Selection of H2020 funded Projects on Circular Economy

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RESYNTEX

Project ID: 641942

Funded under:

H2020-EU.3.5.4. - Enabling the transition towards a green economy and society through ecoinnovation

A new circular economy concept: from textile waste towards chemical and textile industries feedstock

From 2015-06-01 to 2018-11-30, ongoing project | RESYNTEX Website

Project details

Total cost:	Topic(s):	
EUR 11 432 356,25	WASTE-1-2014 - Moving towards a circular economy through industrial	
EU contribution:	symbiosis	
EUR 8 787 749,25	Call for proposal:	
Coordinated in:	H2020-WASTE-2014-two-stage See other projects for this call	
Germany	Funding scheme:	
-	IA - Innovation action	

Objective

The RESYNTEX project aims at designing, developing and demonstrating new high environmental impact industrial symbiosis between the unwearable blends and pure components of textile waste and the chemical and textile industries. The project comprises:

- A strategic design of the whole value chain from textile waste collection, until the new marketable feedstock for chemical & textile industrie, by which the symbiosis opportunities are evaluated (by public authorities and the private sector) in terms of their social, technical, economic, environmental and legislative aspects.

- The improvement of collection approaches particularly for non-wearable textiles for recycling by changing citizen's behaviour and creation of tools for higher social involvement and recycling promotion. This will ensure a greater accessibility to textile waste as resource and increase the textile waste rates destined for recycling. With 50% collection rate all over Europe would be a significant improvement in order to provide large quantities of feedstock.

- A data aggregation system that will be developed and implemented in order to ensure waste traceability and also provide relevant data for economic and environmental assessment;

- The development of new business models adapted for different synergies identified and for new markets. In addition, environmental LCA and LCC for different scenarios and identification of the most promising routes and synergies will support this objective.

- Automation of the macro separation and sorting for pure or blended textiles, in order to enhance productivity and competitiveness of the whole recycling process.

- A new demonstration process based on a synergistic chemical and biotechnological cascading separation/transformation approach of textile basic components (proteins, cellulose, polyamide and polyester) from textile blends as basic feedstock materials for chemical & textile industries. Liquid and solid waste treatment and valorisation will close the loop.

Related information

Report Summaries

Periodic Reporting for period 2 - RESYNTEX (A new circular economy concept: from textile waste towards chemical and textile industries feedstock)



SOEX TEXTIL-VERMARKTUNGSGESELLSCHAFT MBH AN DER STRUSBEK 19 22926 AHRENSBURG Germany

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Participants

IOS, INSTITUT ZA OKOLJEVARSTVO IN SENZORJE, DOO BELORUSKA ULICA 7 2000 MARIBOR Slovenia

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

ARKEMA FRANCE RUE ESTIENNE D ORVES 420 92700 Colombes France

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

UNIVERZA V MARIBORU SLOMSKOV TRG 15 2000 MARIBOR Slovenia

Activity type: Higher or Secondary Education Establishments Contact the organisation

UNIVERSITAET FUER BODENKULTUR WIEN GREGOR MENDEL STRASSE 33 1180 WIEN Austria

Activity type: Higher or Secondary Education Establishments Contact the organisation Germany
EU contribution: EUR 412 300

EU contribution: EUR 1 026

Slovenia

812,50

France

Slovenia **EU contribution:** EUR 690 000

EU contribution: EUR 379 750

Austria **EU contribution:** EUR 583 250



Conseil Européen de l'Industrie Chimique Avenue E Van Nieuwenhuyse 4 1160 Brussels Belgium

Activity type: Other Contact the organisation

TEKSTILNA INDUSTRIJA AJDOVSCINA DD TOVARNISKA 15 5270 AJDOVSCINA Slovenia

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

DETTIN SPA Italy VIA CAMPANIA 9 EU contribution: EUR 1 041 250 36015 SCHIO VI Italy Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation QUANTIS Switzerland PARC SCIENTIFIOUE EPFL PSE D **EU contribution:** EUR 0 1024 ECUBLENS VD Switzerland Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation NATIONAL TECHNICAL UNIVERSITY OF ATHENS - NTUA Greece HEROON POLYTECHNIOU 9 ZOGRAPHOU CAMPUS EU contribution: EUR 478 625 **15780 ATHINA** Greece Activity type: Higher or Secondary Education Establishments Contact the organisation

VALAGRO CARBONE RENOUVELABLE POITOU-CHARENTES 4 RUE MARCEL DORE 86000 POITIERS France

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Slovenia EU contribution: EUR 308 350

France

479,25

EU contribution: EUR 576



INTERUNIVERSITAIR MICRO-ELECTRONICA CENTRUM KAPELDREEF 75 3001 LEUVEN Belgium

Activity type: Research Organisations Contact the organisation

SEPAREX SAS RUE JACQUES MONOD 5 54250 CHAMPIGNEULLES France

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

CHIMAR HELLAS AE SOFOULI 88 55131 THESSALONIKI Greece

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THE MANCHESTER METROPOLITAN UNIVERSITY OXFORD ROAD ALL SAINTS BUILDING M15 6BH MANCHESTER United Kingdom

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ABOUTGOODS COOMPANY 1 ESPLANADE AUGUSTIN AUSSEDAT 74960 CRAN GEVRIER France

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

SUSTAINABILITY CONSULT RUE EMMANUEL VAN DRIESSCHE 9 1050 BRUXELLES Belgium

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation Belgium

France EU contribution: EUR 255 412,50

Greece EU contribution: EUR 203 980

> United Kingdom EU contribution: EUR 529 057,50

> France EU contribution: EUR 366 187,50

Belgium EU contribution: EUR 194 425



BIOCHEMTEX SPA STRADA RIBROCCA 11 15057 TORTONA Italy

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

PROSPEX INSTITUTEBelgiumBREYDELSTRAAT 34EU contribution: EUR 442 5001040 BrusselsBelgium

Activity type: Other Contact the organisation

EUROPEAN APPAREL AND TEXTILE CONFEDERATION Rue Montoyer 24/10 1000 BRUXELLES Belgium

Activity type: Other Contact the organisation

Last updated on 2017-07-03 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/196815_en.html © European Union, 2018

EU contribution: EUR 639

Italy

187,50

Belgium EU contribution: EUR 239 250







CHROMIC

Project ID: 730471

Funded under:

H2020-EU.3.5.3. - Ensuring the sustainable supply of non-energy and non-agricultural raw materials

effiCient mineral processing and Hydrometallurgical RecOvery of by-product Metals from low-grade metal containing seCondary raw materials

From 2016-11-01 to 2020-10-31, ongoing project

Project details

Total cost:	Topic(s):	
EUR 4 869 687,50	SC5-13-2016-2017 - New solutions for sustainable production of raw materials	
EU contribution:	Call for proposal:	
EUR 4 869 687,50	H2020-SC5-2016-OneStageB See other projects for this call	
Coordinated in:	Funding scheme:	
Belgium	RIA - Research and Innovation action	

Objective

Europe is faced with the challenge of sustaining a secure supply of by-product metals, which play a fundamental role in the competitiveness of the manufacturing sector and innovations in high-tech sectors. To loosen the growth restrictions imposed by the inflexible supply from primary mining, alternative sources for these metals must be explored. At the same time a wealth of metals is entrapped within the vast amounts of secondary resources still being landfilled or used in applications where their intrinsic value is not fully utilized. To unlock the potential of these resources, a radically new approach to metal recovery must be deployed. Crucial factor within this new value chain is the zero-waste approach, which captures not only the contained metals but also valorises the residual matrix (often >95% of the bulk material). Such an approach requires the development of innovative, highly selective metal recovery technologies that fully capture the metal-value without impairing the properties of the residual matrix material for valorisation.

CHROMIC aims to develop such new recovery processes for critical (Cr, Nb) and economically valuable (Mo, V) by-product metals from secondary resources, based on the smart integration of enhanced pre-treatment, selective alkaline leaching and highly selective metal recovery across the value chain. An overarching assessment of the related economic, environmental and health and safety aspects will be carried out in an iterative way to ensure that the developed technologies meet the requirements of the circular economy whilst being in line with current market demand. The technology will be developed for two models streams (stainless steel slags and ferrochrome slags) with the potential of replication to numerous industrial residues across Europe. Involvement of society from early on will smooth the path towards implementation, so that the CHROMIC processes can contribute to securing Europe's supply of critical raw materials.



VLAAMSE INSTELLING VOOR TECHNOLOGISCH ONDERZOEK N.V. BOERETANG 200 2400 MOL Belgium

Activity type: Research Organisations Contact the organisation

Participants

MICROWAVE ENERGY APPLICATIONS MANAGEMENT DORENSTRAAT 28 3020 HERENT Belgium

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

ELEKTROWERK WEISWEILER GMBH DURENER STRASSE 487 52249 ESCHWEILER Germany

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FORMICABLU SRL GALLERIA UGO BASSI 1 40121 BOLOGNA Italy

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation



Italy

EU contribution: EUR 308 781,25



EU contribution: EUR 65 125

Belgium
EU contribution: EUR 124 700

EU contribution: EUR 497 625

Belgium

Germany

ARCHE LIEFKENSSTRAAT 35D 9032 GENT Belgium

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

	Characteria
	Slovakla
	EU contribution: EUR 427 500
Slovakia	
Sidvakia	
Activity type: Higher or Secondary Education Establishments	
Contact the organisation	
HEI MHOI TZ-ZENTRUM DRESDEN-ROSSENDORE EV	Germany
BAUTZNER LANDSTRASSE 400	Ell contribution: EUR 571 625
01328 DRESDEN	
Germany	
Activity type: Research Organisations	
Contact the organisation	
VDEH-BETRIEBSFORSCHUNGSINSTITUT GMBH	Germany
SOHNSTRASSE 65	EU contribution: EUR 557
40237 DUSSELDORF	018,75
Germany	
See on map	
Activity type: Research Organisations	
Contact the organisation	
INSTITUT FUR BAUSTOFF-FORSCHUNG EV	Germany
BLIERSHEIMER STRASSE 62	EU contribution: EUR 537
47229 Duisburg	672,50
Germany	
Activity type: Research Organisations	
Contact the organisation	
BUREAU DE RECHERCHES GEOLOGIQUES ET MINIERES	France
3 AV CLAUDE GUILLEMIN	EU contribution: EUR 522

EU contribution: EUR 522 127,50

Last updated on 2017-07-03

Contact the organisation

Activity type: Research Organisations

45060 ORLEANS

France



Permalink: https://cordis.europa.eu/project/rcn/206225_en.html

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PORTABLECRAC

Project ID: 768905

Funded under:

H2020-EU.2.1.5.3. - Sustainable, resource-efficient and low-carbon technologies in energy-intensive process industries

PORTABLE SOLUTION FOR THE ELECTROCHEMICAL REGENERATION OF ACTIVATED CARBON

From 2017-10-01 to 2020-09-30, ongoing project

Project details

Total cost:	Topic(s):	
EUR 2 883 012,50	SPIRE-09-2017 - Pilot lines based on more flexible and down-scaled high	
EU contribution:	performance processing	
EUR 2 206 718,75	Call for proposal:	
Coordinated in:	H2020-SPIRE-2017 See other projects for this call	
Spain	Funding scheme:	
	IA - Innovation action	

Objective

Activated carbon is manufactured overseas (30% of production occurs in CHINA). As an example, in 2016, 12% of worldwide AC demand (0.23 million of tons) corresponded to Western Europe . A Europe import about 80% of their internal consumption of AC. PORTABLECRAC provides a successful business case to reduce overseas imports with negative competitive and environmental impacts in key industries in Europe. Furthermore, great exploitation and replication opportunities for circular-local economy development, at business and environmental perspectives, will be pursued and exploitation path assessed as key implementation task after feasibility analysis is completed. However, due to continuous use, EXHAUSTION of AC filters is a common issue with the consequent high cost in producing virgin filters again. Indeed, there is a side problem related to the manipulation and management of exhausted AC that has to be considered as highly contaminant waste and can vary at regional-national level. Accordingly, the viability of AC use at industrial level roots in the regeneration and reactivation of exhausted AC.

AC can be regenerated (large facilities i.e. do it at this moment), reducing costs by about 50%. Regeneration of spent AC is mainly done by thermal regeneration (as is the case of EMIVASA). However, it requires off-site service, high energy input and carbon losses with negative environmental impacts against the solution provide by PORTABLECRAC as the key value proposition (Table 1) shows.

PORTABLECRAC brings a sustainable and long term solution creating a direct and indirect employment in the "service-sector" from UE. PORTABLECRAC KEY VALUE PROPOSITION is to provide a solution to water treatment with 86% reduction in cost per kg/AC and 4 times reduction in CO2 emissions. Business model will be assessed and validated during the scope of the project, based on traditional key drivers for industry market penetration as cost reduction and legislation framework



CONTACTICA S.L. Spain CALLE CANCHAL 8 LOCAL 3 28021 MADRID Spain Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)

Contact the organisation

Participants ENVIROHEMP SL Spain C MIGUEL VILLANUEVA N 6 2D OFICINA 1 EU contribution: EUR 570 850 26001 LOGRONO LA RIOJA Spain Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation GRADO ZERO INNOVATION SRL Italy **VIA NOVE 2A** EU contribution: EUR 170 406.25 50056 MONTELUPO FIORENTINO FI Italy Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation EMPRESA MIXTA VALENCIANA DE AGUAS SA Spain **AVENIDA REINO DE VALENCIA 28** EU contribution: EUR 275 800 46005 VALENCIA Spain Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation Portugal AGRI PRO AMBIENTE CONSULTORES SA RUA CASTILHO 65/3 ESQ EU contribution: EUR 263 812,50 1250 068 LISBOA Portugal

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation



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UNIVERSIDAD DE VIGO LG CAMPUS LAGOAS MARCOSENDE 36310 VIGO PONTEVEDRA Spain

Activity type: Higher or Secondary Education Establishments Contact the organisation

Last updated on 2017-07-03 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/211289_en.html © European Union, 2018 Spain EU contribution: EUR 190 625







SOMAPI

Project ID: 673581

Funded under:

H2020-EU.2.3.1. - Mainstreaming SME support, especially through a dedicated instrument H2020-EU.3.5. - SOCIETAL CHALLENGES - Climate action, Environment, Resource Efficiency and Raw Materials

Swap.com On-line department store for Massive Amount of Pre-owned Items

From 2015-07-01 to 2017-09-30, closed project | SOMAPI Website

Project details

Total cost:	Topic(s):	
EUR 1 836 931,25	SC5-20-2014 - Boosting the potential of small businesses for eco-innovation	
EU contribution:	and a sustainable supply of raw materials	
EUR 1 285 851,88	Call for proposal:	
Coordinated in:	H2020-SMEINST-2-2014 See other projects for this call	
Finland	Funding scheme:	
	SME-2 - SME instrument phase 2	

Objective

A part of developing more sustainable lifestyles is to extend the life time of items and foster re-use of the items. The first preference would be to acquire a pre-owned item and only if that is not feasible, purchasing a newly manufactured item produced in a sustainable way.

Currently, the challenge in acquiring pre-owned items through peer-to-peer internet sites is that people need to see effort to photograph and list their items and then if someone buys their item, they need to pack and ship the items.

Swap.com provides an on-line consignment department store for pre-owned items in a cost-efficient and easy-to-use way. Items that are no longer needed are sent to Swap.com's fulfillment center where they are sorted, photographed, packed and stored. Swap.com solves customer issues regarding the selling effort by so that customer can pack the items into a box and send the items to Swap.com's fulfillment center.

This project targets to develop an industrial scale capability for selling and trading relatively inexpensive pre-owned (i.e. second-hand) items on-line in massive scale. This means that items with values as low as 2 EUR can be processed so that customers selling their items through Swap.com can get their share and Swap.com can make profitable business.

The approach is to scale-up the fulfillment center operations to a more efficient multi-processing flow where key parts are optimized and automatized further. The project also develops recommendations and search mechanisms in the customer front side (Swap.com service) so that customers find specifically what they are looking for.

Swap.com's concept will encourage re-use of items instead of dumping them into landfills, and will therefore help to enable the transition towards a circular economy. Swap.com's goal is to be the world's leading on-line department store for preowned items.

Related information



NETCYCLER OY RUOHOLAHDENKATU 10 00180 HELSINKI Finland

Finland

EU contribution: EUR 1 285 851,88

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2017-07-12 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/197957_en.html © European Union, 2018

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FiberEUse

Project ID: 730323

Funded under:

H2020-EU.3.5.4. - Enabling the transition towards a green economy and society through ecoinnovation

Large scale demonstration of new circular economy value-chains based on the reuse of end-of-life fiber reinforced composites.

From 2017-06-01 to 2021-05-31, ongoing project

Project details

Total cost:	Topic(s):	
EUR 11 943 963,75	CIRC-01-2016-2017 - Systemic, eco-innovative approaches for the circular	
EU contribution:	economy: large-scale demonstration projects	
EUR 9 793 548,75	Call for proposal:	
Coordinated in:	H2020-CIRC-2016TwoStage See other projects for this call	
Italy	Funding scheme:	
	IA - Innovation action	

Objective

Glass and carbon fiber reinforced polymer composites (GFRP and CFRP) are increasingly used as structural materials in many manufacturing sectors like transport, constructions and energy due to their better lightweight and corrosion resistance compared to metals. Composite recycling is a challenging task. Although mechanical grinding and pyrolysis reached a quite high TRL, landfilling of EoL composites is still widespread since no significant added value in the re-use and remanufacturing of composites is demonstrated.

The FiberEUse project aims at integrating in a holistic approach different innovation actions aimed at enhancing the profitability of composite recycling and reuse in value-added products.

The project is based on the realization of three macro use-cases, further detailed in eight demonstrators:

Use-case 1: Mechanical recycling of short GFRP and re-use in added-value customized applications, including furniture, sport and creative products. Emerging manufacturing technologies like UV-assisted 3D-printing and metallization by Physical Vapor Deposition will be used.

Use-case 2: Thermal recycling of long fibers (glass and carbon) and re-use in high-tech, high-resistance applications. The input product will be EoL wind turbine and aerospace components. The re-use of composites in automotive (aesthetical and structural components) and building will be demonstrated by applying controlled pyrolysis and custom remanufacturing. Use-case 3: Inspection, repair and remanufacturing for EoL CFRP products in high-tech applications. Adaptive design and manufacturing criteria will be implemented to allow for a complete circular economy demonstration in the automotive sector. Through new cloud-based ICT solutions for value-chain integration, scouting of new markets, analysis of legislation barriers, life cycle assessment for different reverse logistic options, FiberEUse will support industry in the transition to a circular economy model for composites.



POLITECNICO DI MILANO PIAZZA LEONARDO DA VINCI 32 20133 MILANO Italy

Activity type: Higher or Secondary Education Establishments Contact the organisation

Participants

CONSIGLIO NAZIONALE DELLE RICERCHE PIAZZALE ALDO MORO 7 00185 ROMA Italy

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RIVIERASCA SPA VIA STRASBURGO 7 24040 BOTTANUCO Italy

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NOVELLINI FRANCE **33 RUE FAIDHERBE** 75011 PARIS France

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

HOLONIX SRL-SPIN OFF DEL POLITECNICO DI MILANO PIAZZA LEONARDO DA VINCI 32 20133 MILANO Italy

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Italy EU contribution: EUR 1 096 500

Italy EU contribution: EUR 427 750

Italy EU contribution: EUR 796 425

> France EU contribution: EUR 397 416,25

> Italy EU contribution: EUR 314 256,25



FUNDACION TECNALIA RESEARCH & INNOVATION Spain PARQUE CIENTIFICO Y TECNOLOGICO DE GIPUZKOA PASEO MIKELETEGI 2 EU contribution: EUR 627 060 20009 DONOSTIA SAN SEBASTIAN Spain Activity type: Research Organisations Contact the organisation SIEMENS GAMESA RENEWABLE ENERGY INNOVATION & TECHNOLOGY S.L. Spain AVENIDA CIUDAD DE LA INNOVACION 9 Y 11 EU contribution: EUR 337 575 31621 SARRIGUREN Spain Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation BATZ SOCIEDAD COOPERATIVA Spain CALLE TORREA 32 **EU contribution:** EUR 441 743,75 48140 IGORRE Spain Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation MAIER SCOOP Spain POLIGONO INDUSTRIAL ARABIETA S/N EU contribution: EUR 508 931.25 48320 AJANGIZ Spain Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation **AERNNOVA ENGINEERING DIVISION SAU** Spain CALLE LEONARDO DA VINCI MINANO SN EU contribution: EUR 290 062,50 01510 VITORIA GASTEIZ Spain Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation TTY-SAATIO Finland KORKEAKOULUNKATU 10 EU contribution: EUR 423 275 **33720 TAMPERE** Finland Activity type: Higher or Secondary Education Establishments Contact the organisation



FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V. Germany HANSASTRASSE 27C **EU contribution:** EUR 747 297,50 80686 MUNCHEN Germany Activity type: Research Organisations Contact the organisation UNIVERSITY OF STRATHCLYDE United Kingdom **Richmond Street 16** EU contribution: EUR 732 375 G1 1XQ GLASGOW United Kingdom Activity type: Higher or Secondary Education Establishments Contact the organisation EDAG ENGINEERING GMBH Germany **KREUZBERGER RING 40** EU contribution: EUR 595 000 65205 WIESBADEN Germany Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation INVENT INNOVATIVE VERBUNDWERKSTOFFEREALISATION UND VERMARKTUNG Germany **NEUERTECHNOLOGIEN GMBH* CHRISTIAN POMMER STRASSE 34** EU contribution: EUR 581 700 38112 BRAUNSCHWEIG Germany Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation GREEN COAT SRL Italy STRADA ROMANA NORD 1 EU contribution: EUR 367 281,25 46027 SAN BENEDETTO PO Italy Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation HEAD SPORT GMBH Austria WUHRKOPFWEG 1 EU contribution: EUR 370 475 6921 KENNELBACH Austria Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

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2 LANCER HOUSE HUSSAR COURT PO7 7SE WATERLOOVILLE HAMPSHIRE United Kingdom

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

SAUBERMACHER DIENSTLEISTUNGS AG HANS ROTH STRASSE 1 8073 FELDKIRCHEN Austria

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Activity type: Other Contact the organisation

Last updated on 2017-07-12 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/210178 en.html © European Union, 2018

Germany EU contribution: EUR 148 500

EU contribution: EUR 214 768,75

Austria

Austria **EU contribution:** EUR 375 156,25

Page 23 of 220 esearch nd Innovation

United Kingdom **EU contribution:** EUR 0

HAMBLESIDE DANELAW LIMITED

DESIGNAUSTRIA (DA)





CIRC-PACK

Project ID: 730423

Funded under:

H2020-EU.3.5.4. - Enabling the transition towards a green economy and society through ecoinnovation

Towards circular economy in the plastic packaging value chain

From 2017-05-01 to 2020-04-30, ongoing project

Project details

Total cost:	Topic(s):	
EUR 9 252 466,25	CIRC-01-2016-2017 - Systemic, eco-innovative approaches for the circular	
EU contribution:	economy: large-scale demonstration projects	
EUR 7 308 180,13	Call for proposal:	
Coordinated in:	H2020-CIRC-2016TwoStage See other projects for this call	
Spain	Funding scheme:	
	IA - Innovation action	

Objective

CIRC-PACK project aims at more sustainable, efficient, competitive, less fossil fuel dependence, integrated and interconnected plastic packaging value chain. To this end, three case studies will work in developing, testing and validating better systemwide economic and environmental outcomes by i) decoupling the chain from fossil feedstocks, (ii) reducing the negative environmental impact of plastic packaging; and (iii) creating an effective after-use plastics economy. All in all, the work will be supported by non-technological analysis and advanced methodological analysis (including circular economy and industrial symbiosis principles) which will trigger a broadly deployment of the tested solutions. CIRC-PACK project will provide breakthrough biodegradable plastics using alternative biobased raw materials, which will have an instrumental role to play in the subsequence steps of the plastic value chain. In addition, eco-design packaging for improving and end-of-like multilayer and multicomponent packaging will be technologically advanced and adapted also to the new materials produced. Thus these developments will also contribute with a great impact in the packaging footprint, and increasing the biobased content and using compostable materials. Lastly, a multi-sectorial cascaded approach along plastic packaging value chain will be applied with critical impacts in other value chains beyond the targeted plastic packaging value chain. The overall outcome of the project will facilitate the transition from the current linear plastic packaging value chain to circular economy principles.

Coordinator

FUNDACION CIRCE CENTRO DE INVESTIGACION DE RECURSOS Y CONSUMOS ENERGETICOS

CALLE MARIANO ESQUILLOR GOMEZ 15 EDIFICIO CIRCE CAMPUS RIO EBRO

Spain EU contribution: EUR 762 887,50

50018 ZARAGOZA

Spain

Activity type: Research Organisations

Contact the organisation



Participants FUNDACION AITIIP POLIGONO EMPRESABILIM CALLE ROMERO 14

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Activity type: Research Organisations Contact the organisation

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MATER-BIOTECH SPAItalyVIA FAUSER 8EU contribution: EUR 343 00028100 NOVARA NOItaly

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

 MATER-BIOPOLYMER SRL
 Italy

 VIA GIACOMO FAUSER 8
 EU contribution: EUR 448 000

 28100 NOVARA
 Italy

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

BUMAGA BVNetherlandsIJSSELBURCHT 3EU contribution: EUR 420
612,506825 BS ARNHEM612,50Netherlands612,50

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

NUEVAS TECNOLOGIAS PARA EL DESARROLLO DE PACKAGING Y PRODUCTOSSpainAGROALIMENTARIOS CON COMPONENTE PLASTICA SLPOLIGONO INDUSTRIAL EMPRESARIUM C/ ROMERO 12EU contribution: EUR 265 12550720 ZARAGOZASpain

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation



Spain EU contribution: EUR 691 500

Italy EU contribution: EUR 646 187,50

MI-PLAST DOO ZA PROIZVODNJU TRGOVINU I PRUZANJE USLUGA - MI-PLAST LLC	Croatia
MANUFACTURING, TRADING AND SERVICES MIPLAST	
MILUTINA BARACA 54	EU contribution: EUR 459 550
51000 RIJEKA	
Croatia	
Activity type: Private for-profit entities (excluding Higher or Secondary Education Estat	plishments)
Contact the organisation	
GRUPO SADA P A SA	Spain
RONDA DE LA ESTACION, 7 TRES CANTOS	EU contribution: EUR 110 425
28760 MADRID	
Spain	
Activity type: Private for-profit entities (excluding Higher or Secondary Education Estab	olishments)
Contact the organisation	
SAPONIA KEMIJSKA, PREHRAMBENA I FARMACEUTSKA INDUSTRIA D.D.	Croatia
MATIJE GUPCA 2	EU contribution: EUR 73 150
31000 OSIJEK	
Croatia	
Activity type: Private for-profit entities (excluding Higher or Secondary Education Estat	plishments)
Contact the organisation	
Fater S.p.A.	Italy
Via A. Volta 10	EU contribution: EUR 361
65129 Pescara	160,63
Italy	
Activity type: Private for-profit entities (excluding Higher or Secondary Education Estab	olishments)
Contact the organisation	
CENTRO RICERCHE FIAT SCPA	Italy
STRADA TORINO 50	EU contribution: EUR 356 250
10043 ORBASSANO	
Italy	
Activity type: Research Organisations	
Contact the organisation	
ASOCIACION ESPANOLA DE NORMALIZACION	Spain
CALLE GENOVA 6	EU contribution: EUR 86 250
28004 MADRID	
Spain	
Activity type: Other	
Contact the organisation	



RINA CONSULTING SPA VIA SAN NAZARO 19 16145 GENOVA Italy	Italy EU contribution: EUR 431 550
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establish Contact the organisation	iments)
EKODENGE MUHENDISLIK MIMARLIK DANISMANLIK TICARET ANONIM SIRKETI HACETTEPE UNIVERSITESI TEKNOKENTI 1NOLU AR GE BINASI ODA 18 BEYTEPE 06800 CANKAYA ANKARA Turkey	Turkey EU contribution: EUR 305 112,50
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establish Contact the organisation	ments)
ECOEMBALAJES ESPANA, S.A. PASEO DE LA CASTELLANA 83-85 28046 MADRID Spain	Spain EU contribution: EUR 256 875
Activity type: Other Contact the organisation	
GRAD RIJEKA-GRADSKO VIJECE KORZO 16 51000 RIJEKA Croatia	Croatia EU contribution: EUR 120 000
Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Ec Contact the organisation	ducation Establishments)
KARTAL BELEDIYE BASKANLIGI YUKARI MAHALLE BELEDIYE CADDESI 6 KAT 4 KARTAL 34860 ISTANBUL Turkey See on map	Turkey EU contribution: EUR 102 500
Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Ec Contact the organisation	ducation Establishments)
CALAF TECNIQUES INDUSTRIALS SL CTRA DE MANRESA NUM 50 08280 CALAF BARCELONA Spain	Spain EU contribution: EUR 399 490
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establish Contact the organisation	ments)



OCU EDICIONES SA CALLE ALBARRACIN 21 28073 MADRID Spain

ICLEI EUROPEAN SECRETARIAT GMBH (ICLEI EUROPASEKRETARIAT GMBH)* Germany
Leopoldring 3 EU contribution: EUR 247 750
79098 Freiburg
Germany
Activity type: Other

Contact the organisation

PLASTIPOLIS Rue Pierre et Marie Curie 180 01115 OYONNAX France

Activity type: Other Contact the organisation

Last updated on 2017-07-12 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/210520_en.html © European Union, 2018 France EU contribution: EUR 147 500







PAPERCHAIN

Project ID: 730305

Funded under:

H2020-EU.3.5.4. - Enabling the transition towards a green economy and society through ecoinnovation

New market niches for the Pulp and Paper Industry waste based on circular economy approaches

From 2017-06-01 to 2021-05-31, ongoing project

Project details

Total cost:	Topic(s):	
EUR 9 217 196,20	CIRC-01-2016-2017 - Systemic, eco-innovative approaches for the circular	
EU contribution:	economy: large-scale demonstration projects	
EUR 7 826 080,89	Call for proposal:	
Coordinated in:	H2020-CIRC-2016TwoStage See other projects for this call	
Spain	Funding scheme:	
	IA - Innovation action	

Objective

Europe is the second world producer of pulp and paper, manufacturing 130 million tonnes in 2014 and representing 23% of world production. The EU pulp and paper manufacturing and converting industries generate an annual turnover of €180 billion, representing 1,26% of the European GDP. In particular, the Pulp and Paper industry (PPI) has a turnover of €75 billion, comprises 920 plants and provides 180,000 jobs in Europe directly, and 1.5 million in the value chain. This sector is resource intensive and produces 11 million tonnes of waste yearly. It has been found that 25-40% of municipal solid waste generated each year worldwide is paper-related. Furthermore, Europe is nowadays facing the challenge of resource scarcity and more efficient use. If managed in a sustainable manner, PPI waste can become a valuable raw material for other resource intensive industries such as the construction (i.e 5,4 billion tonnes of raw material consumption) or the chemical industry (1 billion tonnes). Mining industry waste generation is estimated at up to 20.000 million tons of solid waste yearly, and relevant part of this waste needs to be kept in environmental safety conditions, which in turn implies additional use of resources (e.g borrow materials). New widespread markets are needed to extend the valorisation operations, reduce the landfilling rates and increase the competitiveness of the PPIs creating new added value markets for their inorganic waste. The overall objective of PAPERCHAIN is to deploy five novel circular economy models centred in the valorisation of the waste streams generated by the PPI as secondary raw material for a number of resource intensive sectors: construction sector, mining sector and chemical industry. PAPERCHAIN aims to unlock the potential of a resource efficient model based on industrial symbiosis which will demonstrate the potential of the major non-hazardous waste streams generated by the PPI as valuable secondary raw material.



ACCIONA CONSTRUCCION SA AVENIDA DE EUROPA 18 PARQUE EMPRESARIAL 28108 ALCOBENDAS Spain

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Participants

AKZO NOBEL FUNCIONAL CHEMICALS AB BOX 851 STENUNGSUND Sweden

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

BOLIDEN MINERAL AB

932 81 SKELLEFTEHAMN Sweden

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

DOMSJO FABRIKER AB VASTERNORRLANDS LAN 22 891 86 ORNSKOLDSVIK Sweden

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

DUSAN HOLESEK ULICA SALLAUMINES 9A 1420 TRBOVLJE Slovenia

EU contribution: EUR 386 479,63

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation



Spain EU contribution: EUR 723 625

> Sweden EU contribution: EUR 226 034,38

> Sweden EU contribution: EUR 330 253,44

> > Sweden

EU contribution: EUR 237 737,50

Slovenia

FUNDACION GAIKER Parque Tecnologico de Zamudio, Edificio 202 48170 ZAMUDIO Spain

Activity type: Research Organisations Contact the organisation

GREENIZE PROJECTS SL CALLE IRUNA N9 ESCALERA DERECHA 2D 48014 BILBAO VIZCAYA Spain

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

 LGI CONSULTING SARL
 France

 RUE MARIVAUX 13
 EU contribution: EUR 337 750

 75002 PARIS
 France

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

LULEA TEKNISKA UNIVERSITET UNIVERSITETSOMRADET PORSON 971 87 LULEA Sweden

Activity type: Higher or Secondary Education Establishments Contact the organisation

MEGAVIA - CONSTRUCOES E OBRAS PUBLICAS SA RUA CIDADE TOKUSHIMA LOTE 20 R/C C 2400 LEIRIA Portugal

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

THE NAVIGATOR COMPANY SA PENISULA DA MITRENA SADO 2910 738 SETUBAL SADO Portugal

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Spain EU contribution: EUR 248 977,75

Sweden EU contribution: EUR 594 297,50

Portugal EU contribution: EUR 224 561,79

Portugal EU contribution: EUR 184 299,65



SEKAB BIOFUELS & CHEMICALS AB Sweden Hörneborgsvägen 12 **EU contribution:** EUR 211 968,75 891 26 ORNSKOLDSVIK Sweden Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation SLOVENSKE ZELEZNICE INFRASTRUKTURA DRUZBA ZA UPRAVLJANJE IN VZDRZEVANJE Slovenia ZELEZNISKE INFRASTRUKTURE TER VODENJE ZELEZNISKEGA PROMETA DOO Kolodvorska ulica 11 **EU contribution:** EUR 37 406,25 1000 Ljubljana Slovenia Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation **RISE PROCESSUM AB** Sweden **HORNEBORGSVAGEN 12** EU contribution: EUR 1 365 531,25 891 22 ORNSKOLDSVIK Sweden Activity type: Other Contact the organisation SPRAL - SOCIEDADE DE PRE-ESFORCADOS DE AVEIRO, LDA Portugal RUA LAGOA DO JUNCIO 119 **EU contribution:** EUR 119 521,50 3830 IILHAVO Portugal Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation FUNDACION TECNALIA RESEARCH & INNOVATION Spain PAROUE CIENTIFICO Y TECNOLOGICO DE GIPUZKOA PASEO MIKELETEGI 2 EU contribution: EUR 579 237,50 20009 DONOSTIA SAN SEBASTIAN Spain Activity type: Research Organisations Contact the organisation UNIVERSITAT POLITECNICA DE CATALUNYA Spain CALLE JORDI GIRONA 31 EU contribution: EUR 486 562,50 08034 BARCELONA Spain Activity type: Higher or Secondary Education Establishments Contact the organisation

> Page 32 of 220 Research and Innovation

UNIVERSIDADE DE AVEIRO CAMPUS UNIVERSITÁRIO DE SANTIAGO 3810-193 AVEIRO Portugal

Activity type: Higher or Secondary Education Establishments Contact the organisation

VIPAP VIDEM KRSKO PROIZVODNJA PAPIRJA IN VLAKNIN D.D. TOVARNISKA ULICA 18 8270 KRSKO Slovenia

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

ZAVOD ZA GRADBENISTVO SLOVENIJE DIMICEVA ULICA 12 1000 LJUBLJANA Slovenia

Activity type: Research Organisations Contact the organisation

Last updated on 2017-07-12 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/210515_en.html © European Union, 2018 EU contribution: EUR 101 281,25

Slovenia

Slovenia EU contribution: EUR 656 250

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BIOrescue

Project ID: 720708

Funded under: H2020-EU.3.2.6. - Bio-based Industries Joint Technology Initiative (BBI-

JTI)

Enhanced bioconversion of agricultural residues through cascading use

From 2016-09-01 to 2019-08-31, ongoing project

Project details

Total cost:	Topic(s):	
EUR 3 767 587,50	BBI.R10-2015 - Innovative efficient biorefinery technologies	
EU contribution:	Call for proposal:	
EUR 2 635 140,63	H2020-BBI-PPP-2015-2-1 See other projects for this call	
Coordinated in:	Funding scheme:	
Spain	BBI-RIA - Bio-based Industries Research and Innovation action	

Objective

The BlOrescue project aims to develop and demonstrate a new innovative biorefinery concept based on the cascading use of spent mushroom substrate (SMS) supplemented by wheat straw (and other seasonal underutilised lignocellulosic feedstocks. i.e pruning residues, residual citrus peels and wastes). This new concept will avoid disposal and allow for the production of some biodegradable bio-based products and bioactive compounds that will help to replace the existing ones based on fossil resources.

The research will help to expand the business opportunities of the mushroom cultivation farms, and the know-how and business opportunities of all the partners involved. The main innovations are:

- Improved methods for the lab-based rapid (NIR) analysis of biomass
- Innovative two step fractionation of SMS
- Synergic effects for complete SMS glucan hydrolysis
- Innovative enzyme immobilisation strategy
- Development of highly efficient glucan-enzymes
- Novel lignin based nano- and micro-carriers
- Biopesticide production from monomeric sugars SMS derived and their packaging into nanocarriers

The consortium involved is a representation of some BIC members including a large company (Monaghan Mushrooms) which is leading the proposal and some SMEs (MetGen Oy and CLEA Technologies) and BIC associate members (University of Naples and CENER). Additionally other relevant partners with well-known expertise in their respective areas contribute to the objectives. Among them some research organisations (Imperial College of London and Max Planck Institute of Polymers) and Innovative SMEs (Celignis Limited, Zabala Innovation Consulting, Greenovate Europe and C-TECH Innovation Ltd). The synergies between large industry and SME's go beyond the scope of this project. There is a lot of potential for collaboration between agricultural industry (Monaghan) and biotechnology (MetGen and CLEA) to provide novel solutions for continuous circular economy in large agriculture-based value-chains.

Related information

News

Breakthrough technologies for a sustainable mushroom industry



FUNDACION CENER-CIEMAT AVENIDA CIUDAD DE LA INNOVACION 7 31621 SARRIGUREN Spain

Activity type: Research Organisations Contact the organisation

Participants

UNIVERSITA DEGLI STUDI DI NAPOLI FEDERICO II. Corso Umberto I 40 80138 NAPOLI Italy

Activity type: Higher or Secondary Education Establishments Contact the organisation

MONAGHAN MUSHROOMS IRELAND TYHOLLAND MONAGHAN Ireland

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

METGEN OY RAKENTAJANTIE 26 20780 KAARINA Finland

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

CLEA TECHNOLOGIES BV DELFTECHPARK 34 2628 XH DELFT Netherlands

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Spain EU contribution: EUR 476 918,75

Italy EU contribution: EUR 270 945

> Ireland EU contribution: EUR 0

Finland EU contribution: EUR 503 234,38

Netherlands EU contribution: EUR 250 187,50

Page 35 of 220 Research and Innovation ZABALA INNOVATION CONSULTING, S.A. PASEO SANTXIKI 3 BIS 31192 MUTILVA ALTA NAVARRA Spain

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Greenovate! Europe	Belgium
RUE D ARLON 63-65 1040 Brussels Belgium	EU contribution: EUR 136 218,75
Activity type: Other Contact the organisation	
MAX-PLANCK-GESELLSCHAFT ZUR FORDERUNG DER WISSENSCHAFTEN EV HOFGARTENSTRASSE 8 80539 München Germany	Germany EU contribution: EUR 303 250
Activity type: Research Organisations Contact the organisation	
CELIGNIS LIMITED	Ireland
UPPER WILLIAM STREET UNIT 4 MILL COURT V94 LIMERICK Ireland	EU contribution: EUR 123 702,50
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establish Contact the organisation	ments)
IMPERIAL COLLEGE OF SCIENCE TECHNOLOGY AND MEDICINE	United Kingdom
SOUTH KENSINGTON CAMPUS EXHIBITION ROAD SW7 2AZ LONDON United Kingdom	EU contribution: EUR 202 656,25
Activity type: Higher or Secondary Education Establishments Contact the organisation	
C-TECH INNOVATION LIMITED	United Kingdom
CAPENHURST TECHNOLOGY PARK CH1 6EH CHESTER United Kingdom	EU contribution: EUR 241 027,50
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establish Contact the organisation	ments)

Last updated on 2017-07-14 Retrieved on 2018-07-19


Permalink: https://cordis.europa.eu/project/rcn/205621_en.html © European Union, 2018

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CIRCULAR IMPACTS

Project ID: 730316

Funded under:

H2020-EU.3.5.3.2. - Promote the sustainable supply and use of raw materials, including mineral resources, from land and sea, covering exploration, extraction, processing, re-use, recycling and recovery H2020-EU.3.5.4. - Enabling the transition towards a green economy and society through eco-innovation

Measuring the IMPACTS of the transition to the CIRCULAR economy

From 2016-10-01 to 2018-09-30, ongoing project | CIRCULAR IMPACTS Website

Project details

Total cost:	Topic(s):
EUR 501 280	SC5-25-2016 - Macro-economic and societal benefits from creating new
EU contribution:	markets in a circular economy
EUR 501 280	Call for proposal:
Coordinated in:	H2020-SC5-2016-OneStageB See other projects for this call
Germany	Funding scheme:
	CSA - Coordination and support action

Objective

The EU 2020 targets of the European Union and international commitments of the EU make it mandatory for the EU to reduce its environmental impact while at the same time to make its economy more productive and more competitive. One important pathway to achieve both objectives is making the European economy more circular, meaning that the use of non renewable material resources is reduced, while at the same time the European economy is further developed and more jobs are created.

CIRCULAR IMPACTS aims to provide European policy makers with the knowledge to guide and foster the transition to a more circular economy by developing an overarching impact assessment of that transition and at the same time make the evidence base available for policy makers to develop impact assessment for their own specific policy proposals. As the circular economy is an ambition with a very wide and not precisely defined application area, CIRCULAR IMPACTS will start by defining the circular economy, identifying the most important application areas, understanding the policy needs of the area and developing a methodology for assessing the macroeconomic and societal impacts. It will then focus on assembling the available evidence for impact assessments and make this evidence base available for policy makers and the project itself with a web based search tool. This search tool will also help to make several relevant information collections funded by past EU research framework programs visible again, by connecting their evidence base to the circular economy agenda. The project will then collect missing information in case studies in order to understand the processes of the circular economy and the processes it might replace in more detail. To achieve that CIRCULAR IMPACTS has already assembled a Steering group of industry experts which will be able to provide the connections and the industry knowledge to the impact assessment.

Related information

Report Summaries

Periodic Reporting for period 1 - CIRCULAR IMPACTS (Measuring the IMPACTS of the transition to the CIRCULAR economy)



ECOLOGIC INSTITUT gemeinnützige GmbH Pfalzburger Strasse 43-44 10717 BERLIN Germany

Activity type: Research Organisations Contact the organisation

Participants

CENTRE FOR EUROPEAN POLICY STUDIES PLACE DU CONGRES 1 1000 BRUXELLES Belgium

Activity type: Research Organisations Contact the organisation

STICHTING WAGENINGEN RESEARCH DROEVENDAALSESTEEG 4 6708 PB WAGENINGEN Netherlands

Activity type: Research Organisations Contact the organisation

Last updated on 2017-07-14 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/205706_en.html © European Union, 2018 Germany EU contribution: EUR 221 625

Belgium EU contribution: EUR 147 500

Netherlands EU contribution: EUR 132 155







URBIOFIN

Project ID: 745785

Funded under: H2020-EU.3.2.6. - Bio-based Industries Joint Technology Initiative (BBI-

JTI)

Demonstration of an integrated innovative biorefinery for the transformation of Municipal Solid Waste (MSW) into new BioBased products (URBIOFIN)

From 2017-06-01 to 2021-05-31, ongoing project

Project detailsTotal cost:Topic(s):EUR 15 061 282,51BBI-2016-D06 - Valorisation of the organic content of Municipal Solid Waste and
contributing to the renewable circular economyEUR 10 946 366,03Call for proposal:
H2020-BBI-JTI-2016Coordinated in:H2020-BBI-JTI-2016SpainSee other projects for this callFunding scheme:
BBI-IA-DEMO - Bio-based Industries Innovation action - Demonstration

Objective

Due to the rapid growth of population, municipal solid waste (MSW) has contributed significantly to the total amount of waste generated by our society. Today in Europe, each habitant generates, in average, 0.5 tonnes of MSW per year, increasing at an annual rate of 10%. Around 40-50% of it correspond to organic waste. This organic fraction mainly contains carbohydrates, proteins and lipids, which are all useful raw material that can be converted to valuable products. Its valorisation will help to solve environmental pollution but also contributes to the transition from a linear to a renewable circular economy. Digestion and composting have contributed to the reduction of the biodegradable fraction of MSW sent to landfill. The low economical value of compost and biogas is limiting the sustainable implementation of separate sourcing systems since increasing citizen environmental (waste) taxes is then need to tackle important logistic costs. New biobased products can help to improve waste treatment environmental viability of the conversion at semi-industrial scale (10 T/d) of the organic fraction of MSW (OFMSW) into: Chemical building blocks (bioethanol, volatile fatty acids, biogas), biopolymers (polyhydroyalkanoate and biocomposites) or additives (microalgae hydrolisated for biofertilisers). By using the biorefinery concept applied to MSW (urban biorefinery), URBIOFIN will exploit the OFMSW as feedstock to produce different valuable marketable products for different markets: agriculture, cosmetics. URBIOFIN will offer a new feasible and more sustainable scenario alternative to the current treatment of the OFMSW.

Coordinator

INDUSTRIAS MECANICAS ALCUDIA SA

AVENIDA DE CARLET 76 46250 L ALCUDIA

Spain

Spain EU contribution: EUR 2 022 312,44

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation



Pa	rtio	cip	ant	S
				-

Denmark

AINIA	Spain
CALLE BENJAMIN FRANKLIN 5-11 VALENCIA PARC TECNOLOGIC	EU contribution: EUR 1 034
46980 PATERNA VALENCIA	181,51
Spain	
Activity type: Research Organisations	
Contact the organisation	
URBASER S.A.	Spain
CAMINO DE LAS HORMIGUERAS 171	EU contribution: EUR 868
28031 MADRID	087,19
Spain	
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishr	nents)
Contact the organisation	
BIOMASA PENINSULAR S.A	Spain
CALLE CONSTANCIA BAJO 38	EU contribution: EUR 393
28002 MADRID	434,50
Spain	
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishr	ments)
Contact the organisation	
UNIVERSIDAD DE VALLADOLID	Spain
PLAZA SANTA CRUZ 8 PALACIO DE SANTA CRUZ	EU contribution: EUR 1 040
47002 VALLADOLID	227,69
Spain	
Activity type: Higher or Secondary Education Establishments	
Contact the organisation	
EXERGY LTD	United Kingdom
PUMA WAY THE TECHNOCENTRE COVENTRY	EU contribution: EUR 309
CV1 2TT COVENTRY	744,30
United Kingdom	
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establish	nents)
Contact the organisation	
NOVOZYMES A/S	Denmark
Krogshoejvej 36	EU contribution: EUR 177 692
2880 BAGSVAERD	

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation



G.I. DYNAMICS BV Netherlands **TURFSCHIPPER 90 EU contribution:** EUR 870 377.67 2292 JB WATERINGEN Netherlands Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation STICHTING WAGENINGEN RESEARCH Netherlands **DROEVENDAALSESTEEG 4** EU contribution: EUR 1 001 924,67 6708 PB WAGENINGEN Netherlands Activity type: Research Organisations Contact the organisation CENTRO DE INVESTIGACIONES ENERGETICAS, MEDIOAMBIENTALES Y TECNOLOGICAS-CIEMAT Spain Avenida Complutense 40 EU contribution: EUR 740 932,29 28040 MADRID Spain Activity type: Research Organisations Contact the organisation VISUM LIMITED Ireland COOLKERAGH LOWER EU contribution: EUR 661 540 V31 Listowel Ireland Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation NATUREPLAST SAS France **RUE FRANCOIS ARAGO 11** EU contribution: EUR 256 312 14123 IFS France Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation INSTITUTO REGIONAL DE INVESTIGACION Y DESARROLLO AGROALIMENTARIO Y FORESTAL DE Spain CASTILLA-LA MANCHA CTRA TOLEDO-ALBACETE, S/N EU contribution: EUR 1 126 078,97 13700 TOMELLOSO Spain Activity type: Research Organisations Contact the organisation



BCM BIOECONOMY CLUSTER MANAGEMENT GMBH BLUCHERSTRASSE 26 06120 HALLE SAALE Germany

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

STEFANY EMBALLAGES ET SERVICES ZA DE COURTANNE LIEUDIT LACHAUD 43620 SAINT PAL DE MONS France France EU contribution: EUR 146 503,80

Germany

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

THE INTERNATIONAL NATURAL AND ORGANIC COSMETICS ASSOCIATION AISBLBelgium40 RUE WASHINGTONEU contribution: EUR 109 5921050 BRUXELLESBelgium

Activity type: Other Contact the organisation

Last updated on 2017-07-14 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/210297_en.html © European Union, 2018







SCALER

Project ID: 768748

Funded under:

H2020-EU.2.1.5.3. - Sustainable, resource-efficient and low-carbon technologies in energy-intensive process industries

Scaling European Resources with Industrial Symbiosis

From 2017-11-01 to 2020-04-30, ongoing project

Project details	
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Total cost:	Topic(s):
EUR 1 049 481,25	SPIRE-13-2017 - Potential of Industrial Symbiosis in Europe
EU contribution:	Call for proposal:
EUR 1 049 481,25	H2020-SPIRE-2017 See other projects for this call
Coordinated in:	Funding scheme:
Portugal	CSA - Coordination and support action

Objective

Industrial symbiosis promotes sharing of physical resources (energy, water, residues and recycled materials, etc.) between different industrial processes, increasing business opportunities and creating new jobs while reducing environmental impacts. Neither self-organization nor the few government co-ordinated mechanisms have delivered mass implementation of Industrial Symbiosis. Given the great potential for triple-bottom line benefits this failure must be understood and addressed. SCALER aims to massively increase the implementation of industrial symbiosis, by developing mechanisms to retain the embedded value of European resources, thus, enabling the circular economy to achieve higher resource efficiency through systemic innovations led by intensified industrial symbiosis initiatives and enhanced by cross-sectorial collaboration and, to support the development of a roadmap to improve the adoption of industrial symbiosis in the European process industry at regional / national / European level. SCALER will use new and advanced practices in identifying value opportunities, use new methods to create a larger market for available resources, and use new methods to measure and manage the implementation and sustaining of new relationships. SCALER brings together qualitative and quantitative tools and methods to support self-organised initiatives on industrial symbiosis implementation and cooperation and the engagement of a broader set of stakeholders are crucial elements of the multiplier effect in industrial symbiosis implementation. SCALER provides a comprehensive solution for understanding, assessing and intensifying the potential of industrial symbiosis in Europe.

Coordinator

INSTITUTO DE SOLDADURA E QUALIDADE TAGUSPARK AVENIDA PROFESSOR DR CAVACO SILVA 33 TALAIDE 2740 120 PORTO SALVO

Portugal

Activity type: Research Organisations Contact the organisation Portugal EU contribution: EUR 265 387,50



Participants

THE CHANCELLOR MASTERS AND SCHOLARS OF THE UNIVERSITY OF CAMBRIDGE TRINITY LANE THE OLD SCHOOLS CB2 1TN CAMBRIDGE United Kingdom

Activity type: Higher or Secondary Education Establishments Contact the organisation

STRANE INNOVATION SAS 2 ROUTE DE LA NOUE 91190 GIF SUR YVETTE France

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

QUANTIS PARC SCIENTIFIQUE EPFL PSE D 1024 ECUBLENS VD Switzerland

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

CLIMATE-KIC GMBH TORGAUER STRASSE 12-15 10829 BERLIN Germany

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2017-07-14 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/211323_en.html © European Union, 2018 France **EU contribution:** EUR 265 375

Switzerland

EU contribution: EUR 115 781,25

Germany EU contribution: EUR 145 062,50



United Kingdom EU contribution: EUR 257 875





METALLICA

Project ID: 781060

Funded under:

H2020-EU.2.3.1. - Mainstreaming SME support, especially through a dedicated instrument H2020-EU.3.5. - SOCIETAL CHALLENGES - Climate action, Environment, Resource Efficiency and Raw Materials

Metallurgical patented Process Transforming Residues from the Electronic Industry into Valuable Precious Metals

From 2017-08-01 to 2017-11-30 | METALLICA Website

Project details

Total cost:	Topic(s):	
EUR 71 429	SMEInst-11-2016-2017 - Boosting the potential of small businesses in the areas	
EU contribution:	of climate action, environment, resource efficiency and raw materials	
EUR 50 000	Call for proposal:	
Coordinated in:	H2020-SMEINST-1-2016-2017 See other projects for this call	
Austria	Funding scheme:	
	SME-1 - SME instrument phase 1	

Objective

Waste Electrical and Electronic Equipment (WEEE) is a complex mixture of materials and components that - because of their hazardous content, and if not properly managed (improperly treated and/or exported abroad) — can cause major environmental and health problems. Moreover, the production of modern electronics requires the use of scarce and expensive resources such as precios metals. In the meanwhile, Europe loses enormous amounts of said metals by waste incineration, landfilling or exporting of WEEE. In addition, WEEE is expected to reach 12 million tonnes a year by 2020. So to improve for the processing of WEEE with the aim to enhance resource efficiency the improvement of collection, treatment, and recycling of electronics at the end of their life as well as reduce the CO2 footprint (environmental/health impact) and contribute to a circular economy, our company, UrbanGold has developed the technology of METALLICA. The core of our technology consists of a novel specialised smelting furnace in combination with an optimised separation and refining process of innovative cooling system, increased efficiency, and reduced lead time which allow the recovery with high level of purity of base, precious, and special metals along with the self-generation of electrical power, all from low grade WEEE (scrap) and while dealing with all hazardous emissions generated. With the operation of the benchmark recycling plant of METALLICA, UrbanGold will generate 70 skilled jobs and an annual turnover of around 60 million € after start-up. Additional revenues will come from licensing IP rights of technology to potential customers; metallurgical companies/groups, investors, and municipalities interested in a highly profitable, sustainable, and of compact size recycling plant (30,000 tonnes/year) for WEEE in their urban areas.

Related information

Result In Brief	The zero waste strategy for electronic equipment recycling
Report Summaries	Periodic Reporting for period 1 - METALLICA (Metallurgical patented Process Transforming Residues from the Electronic Industry into Valuable Precious Metals)
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URBANGOLD GMBH PETER-TUNNER STRASSE 4 8700 LEOBEN Austria

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2017-07-17 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/211253_en.html © European Union, 2018

Austria **EU contribution:** EUR 50 000







ECOSHEET-PRO

Project ID: 766649

Funded under:

H2020-EU.2.3.1. - Mainstreaming SME support, especially through a dedicated instrument H2020-EU.3.5. - SOCIETAL CHALLENGES - Climate action, Environment, Resource Efficiency and Raw Materials

An Eco-Innovative Alternative to Plywood

From 2017-06-01 to 2019-03-31, ongoing project

Project details

Total cost:	Topic(s):	
EUR 3 183 977,50	SMEInst-11-2016-2017 - Boosting the potential of small businesses in the areas	
EU contribution:	of climate action, environment, resource efficiency and raw materials	
EUR 2 228 784,25	Call for proposal:	
Coordinated in:	H2020-SMEINST-2-2016-2017 See other projects for this call	
Italy	Funding scheme:	
	SME-2 - SME instrument phase 2	

Objective

ECOSHEET-PRO is an eco-innovative and cost effective alternative to plywood made from mixed plastic waste, suitable for high strength applications in the construction industry. This project will tackle two significant environmental challenges facing Europe, whilst also offering added value to the construction industry.

The first issue addressed is that of mixed plastic waste. In Europe, in 2014, 18 million tonnes of post-consumer waste plastics were landfilled or incinerated, as they could not be easily separated and recycled. Alternative uses for such waste must be found.

The second issue is the growth in the use of plywood, typically manufactured from slow-growing, tropical hardwoods. This material is a key, high volume commodity in construction industry formworks and an area the size of Madrid is deforested each year to meet Europe's demand.

ECOSHEET-PRO transforms mixed plastic that would otherwise be wasted into a competitive, reusable, plywood replacement. Previous attempts to create such boards have failed to deliver the required strength or cost effectiveness required by industry. We have overcome these barriers through an innovative manufacturing process, which will be scaled up and refined during this project.

ECOSHEET-PRO has the potential to re-define the €1.8 billion European plywood industry and help Europe meet its demanding plastic recycling targets, contributing to the circular economy. Our success stems from bringing together the complementary expertise of two eco-innovative SMEs from Italy and the UK, both with a strong ambition to grow and internationalise. Across a network of 13 facilities in 2023, ECOSHEET-PRO will create 77 jobs, generate annual revenues of over €76.5 million, annual profits of €26.8 million, and transform >221,000 tonnes of waste into valuable products.



I.C.M.A. SAN GIORGIO INDUSTRIA COSTRUZIONI MACCHINE E AFFINI SPA VIA MADONNINA 75 20010 SAN GIORGIO SU LEGNANO Italy

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Participants

ENVIRONMENTAL TECHNOLOGY EVOLUTION LTD 4 LANSDOWNE TERRACE NE3 1HN NEWCASTLE UPON TYNE United Kingdom United Kingdom EU contribution: EUR 477 093,75

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2017-07-17 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/210848_en.html © European Union, 2018

Page 49 of 220 Research and Innovation Italy

EU contribution: EUR 1 751 690,50





FISSAC

Project ID: 642154

Funded under:



H2020-EU.3.5.4. - Enabling the transition towards a green economy and society through ecoinnovation

FOSTERING INDUSTRIAL SYMBIOSIS FOR A SUSTAINABLE RESOURCE INTENSIVE INDUSTRY ACROSS THE EXTENDED CONSTRUCTION VALUE CHAIN

From 2015-09-01 to 2020-02-29, ongoing project | FISSAC Website

Project details

Total cost:	Topic(s):
EUR 11 523 404,81	WASTE-1-2014 - Moving towards a circular economy through industrial
EU contribution:	symbiosis
EUR 9 108 594,25	Call for proposal:
Coordinated in:	H2020-WASTE-2014-two-stage See other projects for this call
Spain	Funding scheme:
	IA - Innovation action

Objective

The overall objective of FISSAC project is to develop and demonstrate a new paradigm built on an innovative industrial symbiosis model towards a zero waste approach in the resource intensive industries of the construction value chain, tackling harmonized technological and non technological requirements, leading to material closed-loop processes and moving to a circular economy.

A methodology and a software platform will be developed in order to implement the innovative industrial symbiosis model in a feasible scenario of industrial symbiosis synergies between industries (steel, aluminium, natural stone, chemical and demolition and construction sectors) and stakeholders in the extended construction value chain. It will guide how to overcome technical barriers and non technical barriers, as well as standardisation concerns to implement and replicate industrial symbiosis in a local/regional dimension. The ambition of the model will be to be replicated in other regions and other value chains symbiosis scenarios. The model will be applied based on the three sustainability pillars.

FISSAC will demonstrate the applicability of the model as well as the effectiveness of the innovative processes, services and products at different levels:

- Manufacturing processes: with demonstration of closed loop recycling processes to transform waste into valuable secondary raw materials, and manufacturing processes of the novel products at industrial scale.

- Product validation: with demonstration of the eco-design of eco-innovative construction products (new Eco-Cement and Green Concrete, innovative ceramic tiles and Rubber Wood Plastic Composites) in pre-industrial processes under a life cycle approach, and demonstration at real scale in different case studies of the application and the technical performance of the products.

- FISSAC model, with the demonstration of the software platform and replicability assessment of the model through living lab concept.

Related information

Report Summaries

Periodic Reporting for period 1 - FISSAC (FOSTERING INDUSTRIAL SYMBIOSIS FOR A SUSTAINABLE RESOURCE INTENSIVE INDUSTRY ACROSS THE EXTENDED CONSTRUCTION VALUE CHAIN)



ACCIONA CONSTRUCCION SA AVENIDA DE EUROPA 18 PARQUE EMPRESARIAL 28108 ALCOBENDAS Spain

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Participants

ASSOCIATION DES VILLES ET REGIONS POUR LA GESTION DURABLE DES RESSOURCES Belgium **AVENUE D'AUDERGHEM 63 EU contribution:** EUR 551 352,50 **1040 BRUXELLES** Belgium Activity type: Other Contact the organisation ASOCIACION ESPANOLA DE NORMALIZACION Spain **CALLE GENOVA 6** EU contribution: EUR 75 000 28004 MADRID Spain Activity type: Other Contact the organisation AGENCIA ESTATAL CONSEJO SUPERIOR DEINVESTIGACIONES CIENTIFICAS Spain CALLE SERRANO 117 EU contribution: EUR 113 505 28006 MADRID Spain Activity type: Research Organisations Contact the organisation AKG GAZBETON ISLETMELERI SANAYI VETICARETCARET AS Turkey KEMALPASA CADDESI 6170/1 SOKAK 7 ISIKKENT EU contribution: EUR 402 570 35070 IZMIR Turkey Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)

Contact the organisation



Spain EU contribution: EUR 1 207 370,15

437,50 30179 HANNOVER Germany Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation BRITISH GLASS MANUFACTURERS CONFEDERATION LIMITED United Kingdom 9 CHURCHILL WAY EU contribution: EUR 196 762,50 S35 2PY CHAPELTOWN United Kingdom Activity type: Research Organisations Contact the organisation **RISE CBI BETONGINSTITUTET AB** Sweden **DROTTNING KRISTINAS VAG 26** EU contribution: EUR 313 750 10044 STOCKHOLM Sweden Activity type: Research Organisations Contact the organisation RINA CONSULTING - CENTRO SVILUPPO MATERIALI SPA Italy VIA DI CASTEL ROMANO 100 EU contribution: EUR 250 687.50 00128 ROMA Italy Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation **RINA CONSULTING SPA** Italy VIA SAN NAZARO 19 EU contribution: EUR 469 000 16145 GENOVA Italy Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation EKODENGE MUHENDISLIK MIMARLIK DANISMANLIK TICARET ANONIM SIRKETI Turkev HACETTEPE UNIVERSITESI TEKNOKENTI 1NOLU AR GE BINASI ODA 18 BEYTEPE EU contribution: EUR 378 700 06800 CANKAYA ANKARA Turkey Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Germany

EU contribution: EUR 350

BEFESA SALZCHALACKE GMBH

AM BRINKER HAFEN 6



28040 MADRID Spain Activity type: Other Contact the organisation FENIX TNT SRO Czech DUSIKOVA 906/33 EU contribution: EUR 163 625 638 00 BRNO **Czech Republic** Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation FERALPI SIDERURGICA S.p.A. Italy **VIA AURELIO SAFFI 15** EU contribution: EUR 384 078,63 25100 BRESCIA Italy Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation GEONARDO ENVIRONMENTAL TECHNOLOGIES LTD Hungary **ZAHONY U 7 EU contribution:** EUR 178 609.38 1031 BUDAPEST Hungary Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation GLASS TECHNOLOGY SERVICES LIMITED United Kingdom **CHURCHILL WAY 9 EU contribution:** EUR 112 647,50 S35 2PY SHEFFIELD United Kingdom Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation INGENIEURBUERO TRINIUS GMBH Germany **BARMBEKER STRASSE 9A** EU contribution: EUR 139 371,09 22303 HAMBURG Germany Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Spain

EU contribution: EUR 258 750

FUNDACION AGUSTIN DE BETANCOURT

E.T.S. de Ingenieros de Caminos, Canales y Puertos Ciudad Universitaria



HIFAB AB	Sweden
	EU contribution: EUR 216
104 32 STOCKHOLM	142,50
Sweden	
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establish	ments)
Contact the organisation	
KERABEN GRUPO SA	Spain
CTRA VALENCIA BARCELONA KM44.3	EU contribution: EUR 454
12520 NULES	606,25
Spain	
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establish	ments)
Contact the organisation	
OPENBARE VLAAMSE AFVALSTOFFENMAATSCHAPPIJ	Belgium
STATIONSSTRAAT 110	EU contribution: EUR 212
2800 MECHELEN	322,50
Belgium	
Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Ed	ucation Establishments)
Contact the organisation	
RINA SERVICES SPA	Italy
VIA CORSICA 12	EU contribution: EUR 143
16128 GENOVA	937,50
Italy	
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establish	ments)
Contact the organisation	
RISE RESEARCH INSTITUTES OF SWEDEN AB	Sweden
BRINELLGATAN 4	EU contribution: EUR 576
501 15 BORAS	093,75
Sweden	
Activity type: Research Organisations	
Contact the organisation	
SIMBIOSY SIMBIOSI INDUSTRIAL SL	Spain
COMTE BORRELL 167 4 4	EU contribution: EUR 126
08015 BARCELONA	507,50
Spain	
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establish	ments)
Contact the organisation	



TURKIYE CIMENTO MUSTAHSILLERI BIRLIGI M KEMAL MAH D PINAR BLV A 06800 CANKAYA ANKARA Turkey

Activity type: Other Contact the organisation

FUNDACION TECNALIA RESEARCH & INNOVATION PARQUE CIENTIFICO Y TECNOLOGICO DE GIPUZKOA PASEO MIKELETEGI 2 20009 DONOSTIA SAN SEBASTIAN Spain

Activity type: Research Organisations Contact the organisation

VANNPLASTIC LTD Participation ended ABENBURY WAY UNIT 13 WREXHAM 3 LL13 9UZ WREXHAM United Kingdom

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

SPECIALIST BUILDING PRODUCTS LIMITED UNIT 1B STRATFORD COURT CRANMORE BOULEVARD B90 4QT SOLIHULL United Kingdom

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2017-07-17 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/196821_en.html © European Union, 2018 Spain EU contribution: EUR 634 000

> United Kingdom EU contribution: EUR 8 211,79

United Kingdom EU contribution: EUR 648 055,71







EMBRACED

Project ID: 745746

Funded under: H2020-EU.3.2.6. - Bio-based Industries Joint Technology Initiative (BBI-

JTI)

Establishing a Multi-purpose Biorefinery for the Recycling of the organic content of AHP waste in a Circular Economy Domain

From 2017-06-01 to 2022-05-31, ongoing project

Project details

Total cost:	Topic(s):
EUR 17 334 553,75	BBI-2016-D06 - Valorisation of the organic content of Municipal Solid Waste and
EU contribution:	contributing to the renewable circular economy
EUR 10 695 211,13	Call for proposal:
Coordinated in:	H2020-BBI-JTI-2016 See other projects for this call
Italy	Funding scheme:
	BBI-IA-DEMO - Bio-based Industries Innovation action - Demonstration

Objective

A sizeable category in terms of organic content within MSW is represented by Absorbent Hygiene Products (AHPs; e.g. nappies, adult incontinence products, feminine hygiene items, wipes, etc.) waste, which is currently considered as nonrecyclable fraction of MSW and finds its way to landfills or incineration, leading to important environmental concerns. Indeed, each year 8,500,000 tons of such waste are incinerated or landfilled in Europe (the equivalent of almost 30 landfills every year), and over 30,000,000 tons in the world. AHP are mainly composed of a mix of natural fibres (cellulose) and polymers (PP/PE and superabsorbent polymer), valuable materials that currently don't find a proper valorization. Within EMBRACED project, a first-of-its-kind multi-purpose integrated biorefinery will be established in order to valorize in a relevant environment scenario the cellulosic fractions obtained from AHP waste towards the production of bio-products of significant commercial interest, and - concurrently - high added-value co-products, such polyolefinic plastics and SAP (superabsorbent polymers). This innovative biorefinery model will involve all the main actors of the whole value chain, from AHP consumers and local population to waste management and logistic companies, leading AHP producers and bioprocess developers, as well as final products developers. In a view of circular economy, all the fractions obtained from the processed AHP waste will be reused through valorization into final products, and in particular the high-quality cellulosic fraction of AHP (ca. 1,275,000 ton/y in Europe), which has significant advantages vs. traditional 2nd generation lignocellulosic feedstocks in terms of homogeneity and downstream bioprocessing costs, will be converted and valorized in two parallel value chains, leading to the production of biobased building blocks, polymers and fertilizers.



Fater S.p.A. Italy
Via A. Volta 10
EU contribution: EUR 5 736
EU contribution: EUR 5 736
105,50
Italy
Activity type: Private for profit optities (excluding Higher or Secondary Education Establishments)

Italy

Italy

EU contribution: EUR 212 750

EU contribution: EUR 225 050

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Participants

LEGAMBIENTE ASSOCIAZIONE ONLUS VIA SALARIA 403 00199 ROMA Italy

Activity type: Other Contact the organisation

NOVAMONT SPAItalyVIA GIACOMO FAUSER 8EU contribution: EUR 1 672 12528100 NOVARAItaly

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

CONTARINA SPA VIA VITTORIO VENETO 6 31027 LOVADINA DI SPRESIANO TV Italy

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

 FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.
 Germany

 HANSASTRASSE 27C
 EU contribution: EUR 298 550

 80686 MUNCHEN
 Germany

Activity type: Research Organisations Contact the organisation

> Page 57 of 220 Research and Innovation

FUNDACION CIRCE CENTRO DE INVESTIGACION DE RECURSOS Y CONSUMOS ENERGETICOS Spain CALLE MARIANO ESQUILLOR GOMEZ 15 EDIFICIO CIRCE CAMPUS RIO EBRO EU contribution: EUR 380 500 50018 ZARAGOZA Spain Activity type: Research Organisations Contact the organisation EDIZIONI AMBIENTE SRL Italy VIA NATALE BATTAGLIA 10 EU contribution: EUR 87 500 MILANO Italy Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation AEB EXPLOITATIE BV Netherlands **AUSTRALIEHAVENWEG 21** EU contribution: EUR 1 370 801 1045 BA AMSTERDAM Netherlands Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation TERRACYCLE UK LTD United Kingdom WADSWORTH ROAD 5 EU contribution: EUR 186 144 **UB67KD PERIVALE** United Kingdom Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation PROCTER & GAMBLE INTERNATIONAL OPERATIONS SA Switzerland **ROUTE DE SAINT GEORGES 47** EU contribution: EUR 283 000 1213 PETIT LANCY Switzerland Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation SAPONIA KEMIJSKA, PREHRAMBENA I FARMACEUTSKA INDUSTRIA D.D. Croatia MATIJE GUPCA 2 **EU contribution:** EUR 44 187,50 31000 OSIJEK Croatia

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation



FERTINAGRO BIOTECH SL CALLE BERLIN POLIGONO LA PAZ 185 44195 TERUEL Spain Spain EU contribution: EUR 198 498,13

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

BV RUBBERFABRIEK WITTENBURG PRODUCTIEWEG 12 3899 AK ZEEWOLDE Netherlands Netherlands EU contribution: EUR 0

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2017-07-19 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/210294_en.html © European Union, 2018







RECODE

Project ID: 768583

Funded under:

H2020-EU.2.1.5.3. - Sustainable, resource-efficient and low-carbon technologies in energy-intensive process industries

Recycling carbon dioxide in the cement industry to produce added-value additives: a step towards a CO2 circular economy

From 2017-08-01 to 2021-07-31, ongoing project

Project details

Total cost:	Topic(s):
EUR 7 904 415	SPIRE-08-2017 - Carbon dioxide utilisation to produce added value chemicals
EU contribution:	Call for proposal:
EUR 7 904 415	H2020-SPIRE-2017 See other projects for this call
Coordinated in:	Funding scheme:
Italy	RIA - Research and Innovation action

Objective

CO2 from the flue gases of a rotary kiln in a cement industry (CO2: 25 vol%) will be used for the production of value-added chemicals (acid additives for cement formulations) and materials (CaCO3 nanoparticles to be used as concrete fillers). A circular-economy-approach is enabled: the CO2 produced by cement manufacturing is re-used in a significant part within the plant itself to produce better cement-related products entailing less energy intensity and related CO2 emissions by a quadratic effect.

lonic liquids (bare or amine-functionalised) will be the key technological playground for the efficient and cost-effective (<30 \notin /ton) purification of CO2 to a purity grade sufficient for the above mentioned utilisation paths. A dedicated pilot plant (flue gas flow rate: 50 Nm3/h) will be developed, based on the knowledge-based selection of the best ionic-liquids composition and operating conditions.

Within a final TRL 6 integrated system demo campaign, the thereby derived CO2 will be utilised in parallel to:

-) promote the precipitation of nano-CaCO3 powders which act as strength enhancer and accelerator of the hydration rate. -) synthesize through electrocatalytic and catalytic pathways formic acid, oxalic acid and glycine to be used as hardening acceleration promoters, grinding aids or ionic liquids additives, respectively.

Distinctive features of the RECODE approach are the high process intensification and scale-up-ability; the use of low-grade heat sources; the meaningful reduction of CO2 emissions (>20% accounting for direct and indirect means) and the good market potential of their products at a mass production scale.

The first two years of the project will be focused on the development of key functional materials and process units at TRL 4-5, the third year on the assembly of single-process lines certified at TRL 5-6, and the fourth year on the assembly and testing at a cement manufacturing site (TITAN) of the TRL 6 integrated CO2 process.



FONDAZIONE ISTITUTO ITALIANO DI TECNOLOGIA VIA MOREGO 30 16163 GENOVA Italy

Activity type: Research Organisations Contact the organisation

Participants

AVANTIUM CHEMICALS BV ZEKERINGSTRAAT 29 1014 BV AMSTERDAM Netherlands

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

ETHNIKO KENTRO EREVNAS KAI TECHNOLOGIKIS ANAPTYXIS CHARILAOU THERMI ROAD 6 KM 57001 THERMI THESSALONIKI Greece

Activity type: Research Organisations Contact the organisation

European Research Institute of Catalysis A.I.S.B.L. Rond-Point Schuman 14 1040 Bruxelles Belgium

Activity type: Research Organisations Contact the organisation

DVGW DEUTSCHER VEREIN DES GAS- UND WASSERFACHES - TECHNISCH-WISSENSCHAFTLICHER VEREIN EV JOSEF WIRMER STRASSE 1 - 3 53123 BONN Germany

Activity type: Research Organisations Contact the organisation Italy EU contribution: EUR 799 810

> Netherlands EU contribution: EUR 709 307,50

> Greece EU contribution: EUR 526 118,75

> > Belgium

EU contribution: EUR 580 898,75

Germany

EU contribution: EUR 547 861,25



KARLSRUHER INSTITUT FUER TECHNOLOGIE KAISERSTRASSE 12 76131 KARLSRUHE Germany

Activity type: Higher or Secondary Education Establishments Contact the organisation

POLITECNICO DI TORINO CORSO DUCA DEGLI ABRUZZI 24 10129 TORINO Italy

Activity type: Higher or Secondary Education Establishments Contact the organisation

RIJKSUNIVERSITEIT GRONINGEN Broerstraat 5 9712CP GRONINGEN Netherlands

Activity type: Higher or Secondary Education Establishments Contact the organisation

HYSYTECH SRL STRADA DEL DROSSO 33 18 10135 TORINO Italy

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

IOLITEC IONIC LIQUIDS TECHNOLOGIES GMBH SALZSTRASSE 184 74076 HEILBRONN Germany

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

UAB MODERNIOS E-TECHNOLOGIJOS VISMALIUKU G 34 10423 VILNIUS Lithuania

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Italy EU contribution: EUR 533 472,50

Netherlands

EU contribution: EUR 539 656,25

Italy EU contribution: EUR 1 216 782,50

Germany EU contribution: EUR 643 701,25

Lithuania **EU contribution:** EUR 520 593,75



M.T.M. SRL VIA LA MORRA 1 12062 CHERASCO Italy

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

TITAN CEMENT COMPANY AE HALKIDOS STREET 22A 111 43 ATHINA Greece Greece **EU contribution:** EUR 432 250

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2017-07-19 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/211308_en.html © European Union, 2018







NB4WASTE

Project ID: 782670 Funded under: H2020-EU.2.1.1. - INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies - Information and Communication Technologies (ICT) H2020-EU.2.3.1. - Mainstreaming SME support, especially through a dedicated instrument H2020-EU.3.4. - SOCIETAL CHALLENGES - Smart, Green And Integrated Transport

Narrowband IoT for Waste Collection in Rural Areas

From 2017-08-01 to 2017-11-30, closed project | NB4WASTE Website

Project details

Total cost:	Topic(s):		
EUR 71 429	SMEInst-10-2016-2017 - Small business innovation research for Transport and		
EU contribution:	Smart Cities Mobility		
EUR 50 000	Call for proposal:		
Coordinated in:	H2020-SMEINST-1-2016-2017 See other projects for this call		
Spain	Funding scheme:		
	SME-1 - SME instrument phase 1		

Objective

The NB4WASTE Project, developed by SYLTEC, will put on the market an integral IoT solution for municipal waste collection management in rural areas using the new NB-IoT communication standard, for the first time in this type of market, including a specific developed low cost unit ultrasonic sensor technology with low energy consumption and 10 years battery life. Thanks to NB4WASTE solution municipalities will increase yield and profit per service (30%) and will save on fuel costs (25%). Additionally waste bin companies business will increase by 40% offering the NB4WASTE solution. Exploitation of Big Data obtained by means of the NB4WASTE in order to decrease operating costs will be one of the main objectives. Thus, by route optimization and predictive operations thanks to Big Data exploiting will result in 25-50% costs and 25% CO2 savings. The main alternatives to NB-IoT as competitive solutions available on the market of Low Power Wide Area technologies are LoRa and SigFox but both of them are worse considering market flexibility implementation and coverage. Only NB-IoT ensures business scalability expansion and reliable service. If we add market flexibility (open standards) and coverage (spectrum efficiency) to the main properties scored by experts (low power, bandwidth, supplier breadth, security and deployments) it is the most competitive alternative. NB4WASTE will contribute to Circular Economy by increasing recycling targets due to more optimized selective collection implementation for smart waste management in rural areas. It will also promote competitive rural business and help European Members for digital inclusion ensuring that everybody can contribute to and benefit from the digital economy and society. Financial 5 years forecast demonstrates NB4WASTE profitability. With a margin of 20% and a total of 418 units sold during 2019-2023 period (20% market penetration: France, Italy, Spain, UK and Chile) the Return of Investment for SYLTEC will be around 3,84

Related information

Report Summaries

Periodic Reporting for period 1 - NB4WASTE (Narrowband IoT for Waste Collection in Rural Areas)



SYLFO TECNOCONSULTING SL PASEO DE ZORRILLA 85 47007 VALLADOLID Spain

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2017-07-24 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/211268_en.html © European Union, 2018







R2PI

Project ID: 730378

Funded under:

H2020-EU.3.5.4. - Enabling the transition towards a green economy and society through ecoinnovation

TRANSITION FROM LINEAR 2 CIRCULAR: POLICY AND INNOVATION

From 2016-11-01 to 2019-10-31, ongoing project

Project details

Total cost:	Topic(s):	
EUR 3 013 475	CIRC-04-2016 - New models and economic incentives for circular economy	
EU contribution:	business	
EUR 3 013 475	Call for proposal:	
Coordinated in:	H2020-CIRC-2016OneStage See other projects for this call	
Germany	Funding scheme:	
	RIA - Research and Innovation action	

Objective

"R2π examines the shift from the broad concept of a Circular Economy (CE) to one of a Circular Economy Business Models (CEBM), by tackling both market failure (business, consumers) and policy failure (conflicts, assumptions, unintended consequence). Its innovation lies in having a strong business-focus, examining stimuli beyond environmental goals (including ICT and eco-innovation), and in examining the role of policy innovation (including the use of policy nudges and of ""Policy Packages""). R2π unfolds in diverse contexts with a strong emphasis on involvement and exchange. The research design employs mixed-methods, with a strong emphasis on case studies but also including desktop research, feasibility assessments (including surveys where applicable), policy formulation & stakeholder involvement. The ultimate goal of the project is to see the widespread implementation of the CE based on successful Business Models to ensure sustained economic development, to minimize environmental impact and to maximize social welfare.

The goal of the $R^2\pi$ project is therefore to develop sustainable business models that would facilitate the circular economy and to propose ""Policy Package"" that will support these business models. The R2Pi Consortium consists of 14 partners from 9 Member states and associated countries. The wide range of expertise, knowledge, tools and connections existing among the consortium members will be leveraged to develop innovative practical tools and procedural guidelines that may be widely and systematically applied across many different business sectors in diverse regions and countries, across the spectrum from large established EU countries to newer and smaller member states.. Through these innovative business models and ""Policy Packages"", the European economy will move into a more sustainable, resource efficient and resilient economic track. $R^2\pi$ will position Europe as a world leader in advancing the circular economy model.



COLLABORATING CENTRE ON SUBSTAINABLE CONSUMPTION AND PRODUCTION GGMBH HAGENAUER STRASSE 30 EU contributio 42107 WUPPERTAL Germany

Activity type: Research Organisations Contact the organisation

Participants

LANDBELL AKTIENGESELLSCHAFT FUR RUCKHOL-SYSTEME RHEINSTRASSE 4L 55116 MAINZ Germany

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

THE CARBON TRUST DORSET HOUSE 27/45 STAMFORD STREET SE1 9NT LONDON United Kingdom

Activity type: Other Contact the organisation

CRADLE TO CRADLE BV LINNAEUSSTRAAT 2C 1092 CK AMSTERDAM Netherlands

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

CHAMBRE DE COMMERCE ET D'INDUSTRIE DE REGION PARIS ILE-DE-FRANCE	France	
AVENUE DE FRIEDLAND 27	EU contribution: EUR 216 000	
75382 PARIS		
France		

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

United Kingdom EU contribution: EUR 279 125

Netherlands EU contribution: EUR 123 125

Germany
EU contribution: EUR 112 500

Germany EU contribution: EUR 698 375

Page 67 of 220 Research and Innovation COLEXIO DE SAN XEROME PRAZA DO OBRADOIRO S/N EU contribution: EUR 182 250 15782 SANTIAGO DE COMPOSTELA Spain Activity type: Higher or Secondary Education Establishments Contact the organisation UNIVERSITA TA MALTA Malta University Campus, Tal-Qroqq EU contribution: EUR 156 250 2080 MSIDA Malta Activity type: Higher or Secondary Education Establishments Contact the organisation FUNDACJA INSTYTUT INNOWACYJNA GOSPODARKA Poland JAWORZYNSKA 7/9 EU contribution: EUR 116 250 00 634 WARSZAWA Poland Activity type: Other Contact the organisation MINISTERSTWO ROZWOJU Poland PL. TRZECH KRZYZY 3/5 EU contribution: EUR 85 000 00-507 WARSZAWA Poland Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation CSR EUROPE THE BUSINESS NETWORK FOR CORPORATE SOCIAL RESPONSIBILITY Belgium **RUE VICTOR OUDART 7A** EU contribution: EUR 187 500 **1030 BRUXELLES** Belgium Activity type: Other Contact the organisation UNION EUROPEENNE DE LARTISANAT ETDES PETITES ET MOYENNES ENTREPRISESAISBL Belgium **RUE JACQUES LALAING 4** EU contribution: EUR 93 350 **1040 BRUXELLES** Belgium Activity type: Other Contact the organisation

Spain

UNIVERSIDAD DE SANTIAGO DE COMPOSTELA



JERUSALEM INSTITUTE FOR ISRAELI STUDIES RADAK 20 92186 Jerusalem Israel

Activity type: Research Organisations Contact the organisation

BEN-GURION UNIVERSITY OF THE NEGEV

84105 BEER SHEVA Israel

Activity type: Higher or Secondary Education Establishments Contact the organisation

BUSINESS MODELS INC BV MEDIARENA 11 1114 BC AMSTERDAM Netherlands

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

SAPIR ACADEMIC COLLEGE D.N. HOD ASHKELON 79165 SDEROT Israel

Activity type: Higher or Secondary Education Establishments Contact the organisation

Last updated on 2017-07-24 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/206221_en.html © European Union, 2018

Israel EU contribution: EUR 72 500

Netherlands EU contribution: EUR 266 250

Israel EU contribution: EUR 145 000







PlastiCircle

Project ID: 730292

Funded under:

H2020-EU.3.5.4. - Enabling the transition towards a green economy and society through ecoinnovation

Improvement of the plastic packaging waste chain from a circular economy approach

From 2017-06-01 to 2021-05-31, ongoing project

Proj	ect	detai	ls

Total cost:	Topic(s):		
EUR 8 674 540,89	CIRC-01-2016-2017 - Systemic, eco-innovative approaches for the circular		
EU contribution:	economy: large-scale demonstration projects		
EUR 7 774 016,75	Call for proposal:		
Coordinated in:	H2020-CIRC-2016TwoStage See other projects for this call		
Spain	Funding scheme:		
	IA - Innovation action		

Objective

The European plastic market is not currently aligned with the circular economy. More than 25.8 million tonnes of plastic waste are produced per year in the EU28 being recycled only 29.7%. This represents a clear loose in the plastic market loop (losses of €10.56bn). Moreover, this goes against the EU legislation on waste (high environmental impact; 23.8 Mt of CO2). Low recycling rates of plastic are mainly due to the situation of packaging waste (i.e. main plastic waste fraction), since it is mainly domestic residue and consequently the quality of the material collected depends on the system of segregation available and the environmental awareness of citizens.

PlastiCircle aims to develop and implement a holistic process to increase recycling rates of packaging waste in Europe. This will allow to reprocess again plastic waste in the same value chain (i.e. Circular economy; closure of plastic loop). This process is based on four axes: collection (to increase quantity of packaging collected), transport (to reduce costs of recovered plastic), sorting (to increase quality of recovered plastic), and valorization in value-added products (i.e. foam boards, automotive parts like engine covers/bumpers/dashboards, bituminous roofing membranes, garbage bags, asphalt sheets/roofing felts and urban furniture like fences/benches/protection walls).

The target is to increase collection from 81.7% to 87% and valorization in a 9.8%. The implementation of PlastiCircle approach in Europe have the potential to increase collected plastic in 861,250t (reaching 14.14 Mt) and valorization in 1.59Mt. The valorization of this new material, represents a market value of ≤ 2.86 bn. ≤ 7.95 bn. Taking into account current figures of the plastic sector (turnover ≤ 350 bn, 62,000 companies, 1.45M employees), this could imply creation of 500-1400 new companies and the generation of 11,900-33,000 new jobs in the medium to long term if PlastiCircle approach is extended in a EU level.



INSTITUTO TECNOLOGICO DEL EMBALAJE, TRANSPORTE Y LOGISTICA Calle Albert Einstein. Parque Tecnológico. 1 46980 Paterna Spain

Activity type: Research Organisations Contact the organisation

Participants

STIFTELSEN SINTEF STRINDVEIEN 4 7034 TRONDHEIM Norway

Activity type: Research Organisations Contact the organisation

AXION RECYCLING LTD UNIT 2 TUDOR HOUSE MEADWAY BRAMHALL SK7 2DG STOCKPORT CHESHIRE United Kingdom

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

CENTRO RICERCHE FIAT SCPA STRADA TORINO 50 10043 ORBASSANO Italy

Activity type: Research Organisations Contact the organisation

GEMEENTE UTRECHT STADSPLATEAU 1 3521 AZ UTRECHT Netherlands

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

Spain **EU contribution:** EUR 1 010 750

Norway EU contribution: EUR 1 636 637,50

United Kingdom EU contribution: EUR 260 137,50

Italy EU contribution: EUR 313 000

Netherlands EU contribution: EUR 556 500



Spain Activity type: Other Contact the organisation MUNICIPALITY OF ALBA IULIA Romania CALEA MOTILOR 5 A EU contribution: EUR 163 625 510134 ALBA IULIA Romania Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation MESTNA OBCINA VELENJE Slovenia **TITOV TRG 1 EU contribution:** EUR 103 781,25 3320 VELENJE Slovenia Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation SOCIEDAD ANONIMA AGRICULTORES DE LAVEGA DE VALENCIA Spain PLAZA DE TETUAN 1 EU contribution: EUR 623 070 46003 VALENCIA Spain Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation POLARIS M HOLDING SRL Romania STR SPIRU HARET PAVILLON ADM CAM NR 1 2 A **EU contribution:** EUR 52 937,50 900126 COSTANTA Romania Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation INDUSTRIAS TERMOPLASTICAS VALENCIANAS, S.A. Spain CALLE DEL CID 24 EU contribution: EUR 150 850 46970 ALACUAS VALENCIA Spain Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

FUNDACION DE LA COMUNITAT VALENCIANA PARA LA PROMOCION ESTRATEGICA EL

DESARROLLO Y LA INNOVACION URBANA

PLAZA AYUNTAMIENTO 1

46002 VALENCIA



EU contribution: EUR 328 625
Armacell Benelux S.A. Rue des Trois Entités 9 4890 Thimister-Clermont Belgium

Imperbel N.V. Belgium Bergensesteenweg 32 EU contribution: EUR 329 043,75 1651 Lot Belgium Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation CONSORZIO PER LA PROMOZIONE DELLA CULTURA PLASTICA PROPLAST Italy STRADA COMUNALE SAVONESA 9 EU contribution: EUR 386 250 15057 TORTONA Italy Activity type: Other Contact the organisation HAHN PLASTICS LTD United Kingdom PILKINGTONS SITE, RAKE LANE, SWINTON **EU contribution:** EUR 178 806.25 M27 8LJ MANCHESTER United Kingdom Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation ECOEMBALAJES ESPANA, S.A. Spain PASEO DE LA CASTELLANA 83-85 EU contribution: EUR 294 500 28046 MADRID Spain Activity type: Other Contact the organisation Fundacio Knowledge Innovation Market Barcelona Spain AVDA Diagonal 452 EU contribution: EUR 311 250 08006 Barcelona Spain Activity type: Other Contact the organisation

PLASTICSEUROPE AVENUE E VAN NIEUWENHUYSE 4 1160 BRUXELLES Belgium

Activity type: Research Organisations Contact the organisation

ICLEI EUROPEAN SECRETARIAT GMBH (ICLEI EUROPASEKRETARIAT GMBH)* Leopoldring 3 79098 Freiburg Germany

Activity type: Other Contact the organisation

PICVISA MACHINE VISION SYSTEMS SL CRTA MANRESA (DE) 50 08280 CALAF BARCELONA Spain Spain EU contribution: EUR 359 625

EU contribution: EUR 375 375

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2017-07-24 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/210517_en.html © European Union, 2018 Germany

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BIOPEN

Project ID: 745719

Funded under: H2020-EU.3.2.6. - Bio-based Industries Joint Technology Initiative (BBI-

JTI)

BIOPEN

From 2017-05-01 to 2019-10-31, ongoing project

Project details

Total cost:	Topic(s):	
EUR 1 205 451,25	BBI-2016-S03 - Open-innovation Platform strengthening cooperation and joint	
EU contribution:	development of bio-based industries and downstream sectors	
EUR 994 531	Call for proposal:	
Coordinated in:	H2020-BBI-JTI-2016 See other projects for this call	
Italy	Funding scheme:	
	BBI-CSA - Bio-based Industries Coordination and Support action	

Objective

Nowadays, the center of the bio-based economy is the development of integrated value chains removing sector barriers, where market and product innovations are driven by societal needs and vision of brand owners, and require the collaborations between different sectors through new bio-based value chains (from feedstock to products), also establishing co-operations throughout industry clusters.

Open innovation has been identified as the major driver to perform innovation through the flow (in and out) of knowledge, technologies and competences, for organisations to design, plan, and implement market and product innovations as well as to establish sustainable partnerships joining forces with customers, feedstock suppliers, academia, and financial sector.

In BiOPEN a consortium highly specialized in the bio-based industry, composed by five European bio-based clusters, three open innovation expert companies, and one research centre, will embark on an ambitious programme to support collaboration and knowledge sharing in the bio-based industry, stimulating the set-up of co-innovation partnerships for the development of new products and markets in the sector.

BIOPEN ambition is to become a single voice for the bio-based industries in Europe, gathering expertise and promoting engagement and involvement of industry, researchers and academia at European and national level, by setting up an Openinnovation platform addressing strategic cross-cutting challenges such as (i) clustering and networking to develop new value chains and favour the emergence of co-innovation partnerships across the value chains; (ii) Stakeholders engagement and support with regards to setting-up at least 20 co-innovation partnerships alongside existing and new value chains; (iii) creation of a knowledge centre collecting the prospective and insight of the community, and providing access to relevant information for markets and products innovations in the bio-based ecosystem.



Coordinate

Coordinator	
CIAOTECH Srl VIA PALESTRINA 25 00189 ROMA Italy Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishi	Italy EU contribution: EUR 189 000 ments)
Contact the organisation	
Participants	
INNOVATION ENGINEERING SRL Via Palestrina 25 00189 Rome Italy	Italy EU contribution: EUR 127 531
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establish Contact the organisation	ments)
EUROPE UNLIMITED S.A.	Belgium
PLACE FLAGEY 7 1050 BRUXELLES Belgium	EU contribution: EUR 118 469
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establish Contact the organisation	ments)
NATIONAL TECHNICAL UNIVERSITY OF ATHENS - NTUA	Greece
15780 ATHINA Greece	EU contribution: EUR 69 594
Activity type: Higher or Secondary Education Establishments Contact the organisation	
STOWARZYSZENIE ZACHODNIOPOMORSKI KLASTER CHEMICZNY ZIELONA CHEMIA ULICA AL PIASTOW 48 70 311 SZCZECIN	Poland EU contribution: EUR 97 875

Activity type: Other Contact the organisation

Poland



TURKU SCIENCE PARK OY AB JOUKAHAISENKATU 3 A 20520 TURKU Finland

Activity type: Other Contact the organisation

CLUSTER INDUSTRIELLE BIOTECHNOLOGIE 2021 E.V. Völklinger Straße 4 40219 Düsseldorf Germany

Activity type: Other Contact the organisation

BCM BIOECONOMY CLUSTER MANAGEMENT GMBH BLUCHERSTRASSE 26 06120 HALLE SAALE Germany

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

STICHTING BIOBASED DELTA PLASTICSLAAN 1 4612PX BERGEN OP ZOOM Netherlands

Activity type: Other Contact the organisation

Last updated on 2017-07-24 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/210292_en.html © European Union, 2018

Germany EU contribution: EUR 91 981

Germany
EU contribution: EUR 111 250

Netherlands EU contribution: EUR 105 750







REPAiR

Project ID: 688920

Funded under:

H2020-EU.3.5.4. - Enabling the transition towards a green economy and society through ecoinnovation

REPAiR - REsource Management in Peri-urban AReas: Going Beyond Urban Metabolism

From 2016-09-01 to 2020-08-31, ongoing project

Project details	
Total cost:	Topic(s):
EUR 5 089 636,25	WASTE-6b-2015 - Eco-innovative strategies
EU contribution:	Call for proposal:
EUR 5 089 636,25	H2020-WASTE-2015-two-stage See other projects for this call
Coordinated in:	Funding scheme:
Netherlands	RIA - Research and Innovation action

Objective

A shift towards a more circular economy is crucial to achieve more sustainable and inclusive growth. Our objective is to provide local and regional authorities with an innovative transdisciplinary open source geodesign decision support environment (GDSE) developed and implemented in living labs in six metropolitan areas. The GDSE allows creating integrated, place-based eco-innovative spatial development strategies aiming at a quantitative reduction of waste flows in the strategic interface of peri-urban areas. These strategies will promote the use of waste as a resource, thus support the on-going initiatives of the EC towards establishing a strong circular economy. The identification of such eco-innovative strategies will be based on the integration of life cycle thinking and geodesign to operationalise urban metabolism. Our approach differs from previous UM as we introduce a reversed material flow accounting to collect data accurate and detailed enough for the design of a variety of solutions to place-based challenges. The developed impact and decision models allow quantification and validation of alternative solution paths and therefore promote sustainable urban development built on near-field synergies between the built and natural environments. This will be achieved by quantifying and tracking essential resource flows, mapping and quantification of negative and positive effects of present and future resource flows, and the determination of a set of indicators to inform decision makers concerning the optimization of (re-)use of resources. The GDSE will be open source. With a budget of €5 million, REPAiR funds a consortium rich in experience in waste and resource management, spatial decision support, territorial governance, spatial planning and urban design, and has deep knowledge of the 6 case study areas. REPAIR is supported by a user board, of key stakeholders for the development of CE as well as local authorities, who are heavily involved in the GDSE testing.

Coordinator

TECHNISCHE UNIVERSITEIT DELFT STEVINWEG 1 2628 CN DELFT Netherlands

Activity type: Higher or Secondary Education Establishments Contact the organisation Netherlands

EU contribution: EUR 1 419 321,25



Participants

UNIVERSITEIT GENT SINT PIETERSNIEUWSTRAAT 25	Belgium EU contribution: EUR 540 625
9000 GENT Belgium	
Activity type: Higher or Secondary Education Establishments	
Contact the organisation	
UNIVERSITA DEGLI STUDI DI NAPOLI FEDERICO II.	Italy
Corso Umberto I 40	EU contribution: EUR 633
Italy	101,25
Activity type: Higher or Secondary Education Establishments Contact the organisation	
HAFENCITY UNIVERSITAT HAMBURG	Germany
UBERSEEALLEE 16	EU contribution: EUR 480 925
20457 HAMBURG	
Germany	
Activity type: Higher or Secondary Education Establishments Contact the organisation	
MAGYAR TUDOMANYOS AKADEMIA KOZGAZDASAG- ES REGIONALIS TUDOMANYI	Hungary
KUTATOKOZPONT	
TOTH KALMAN UTCA 4	EU contribution: EUR 251
1097 BUDAPEST Hungary	000,75
Activity type: Higher or Secondary Education Establishments	
Contact the organisation	
INSTYTUT GEOGRAFII I PRZESTRZENNEGO ZAGOSPODAROWANIA IM STANISLAWA	Poland
LESZCZYCKIEGO POLSKIEJ AKADEMII NAUK	
UL. TWARDA 51/55	EU contribution: EUR 266
00-818 WARSZAWA	250,25
Poland	
Activity type: Research Organisations	
Contact the organisation	
JRC -JOINT RESEARCH CENTRE- EUROPEAN COMMISSION	Belgium
Rue de la Loi 200	EU contribution: EUR 425
1049 BRUSSELS	107,50
Belgium	
Activity type: Research Organisations	
Contact the organisation	



ARCINIEGAS LOPEZ GUSTAVO Netherlands MARCO POLOSTRAAT 218-2 **EU contribution:** EUR 118 368.75 1057XA AMSTERDAM Netherlands Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation DELTA PROJECTONTWIKKELING BV Netherlands **BINNEN KALKHAVEN 39 EU contribution:** EUR 73 012,50 3311 JC DORDRECHT Netherlands Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation BIOKOM Pecsi Varosuzemeltetesi es Kornyezetgazdalkodasi Nonprofit Korlatolt Felelossegu Hungary Tarsasag Siklosi ut 52 EU contribution: EUR 48 125 7632 Pecs Hungary Activity type: Other Contact the organisation Gertz Gutsche Rümenapp - Stadtentwicklung und Mobilität GbR Germany Ruhrstraße 11 EU contribution: EUR 245 317,50 22761 Hamburg Germany Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation OPENBARE VLAAMSE AFVALSTOFFENMAATSCHAPPIJ Belgium **STATIONSSTRAAT 110** EU contribution: EUR 107 875 2800 MECHELEN Belgium Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation GEMEENTE HAARLEMMERMEER Netherlands **RAADHUISPLEIN 1** EU contribution: EUR 72 500 2130 AG HOOFDDORF Netherlands Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation



REGIONE CAMPANIA VIA S. LUCIA 81 80132 NAPOLI Italy

OLP SPOLKA Z OGRANICZONA ODPOWIEDZILNOSCIA

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

UL GABRIELA NARUTOWICZA 34 EU contribution: EUR 54 093,75 90 135 LODZ Poland Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation BAUER UMWELT GMBH Germany In der Scherau, 1 **EU contribution:** EUR 0 86529 SCHROBENHAUSEN Germany Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation **BAUER RESOURCES GMBH** Germany **BAUER-STRASSE 1** EU contribution: EUR 139 525 86529 SCHROBENHAUSEN Germany Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation INTERGEMEENTELIJKE VERENIGING VOORAFVALBEHEER IN GENT EN OMSTREKEN Belgium **BOTERMARKT 1** EU contribution: EUR 64 687,50 9000 GENT Belgium Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation STADTREINIGUNG HAMBURG AOR Germany **BULLERDEICH 19 EU contribution:** EUR 71 231,25 20537 HAMBURG

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

Last updated on 2017-07-24 Retrieved on 2018-07-19

Germany

Poland



Permalink: https://cordis.europa.eu/project/rcn/203259_en.html © European Union, 2018

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NOVUM

Project ID: 768604

Funded under:

H2020-EU.2.1.5.3. - Sustainable, resource-efficient and low-carbon technologies in energy-intensive process industries

Pilot line based on novel manufacturing technologies for cellulose-based electrical insulation components

From 2017-10-01 to 2021-09-30, ongoing project

Project details

Total cost:	Topic(s):
EUR 8 491 018,75	SPIRE-09-2017 - Pilot lines based on more flexible and down-scaled high
EU contribution:	performance processing
EUR 6 480 353,13	Call for proposal:
Coordinated in:	H2020-SPIRE-2017 See other projects for this call
Finland	Funding scheme:
	IA - Innovation action

Objective

Production of electrical insulation components is globally a B\$1.19 business. Cellulose is one commonly used raw material for insulation components. State-of-the-art production methods for high quality electrical insulation products are typically labour intensive and slow.

The main objective of NOVUM is to develop and demonstrate a compact and feasible pilot line concept based on novel processing technologies for rapid, design driven production of advanced cellulose-based electrical insulation components. This new pilot line will result in significant efficiency improvement and higher productivity and flexibility, while ensuring lower operational costs as compared with the state-of-the-art process. Manual production will be replaced by an automated manufacturing concept with increased resource efficiency, including 40% reduction in labour time and 60% reduction in waste generation, 20% lower energy consumption and 40% decrease in operating costs.

Processing technologies in the focus of NOVUM are 3D printing of cellulose-based materials having thermoplastic features as well as foam forming and thermoforming of cellulose fibres. These three technologies will be developed in parallel to each other, together with the cellulose materials, in order to reach optimal combination for the pilot line concept. Besides technical feasibility, the decision on the pilot line concept will be based on the end use requirements as well as on economic, social and environmental impacts including circular economy considerations.

The novel manufacturing concept will also enable exploitation of the full potential of design in generating form and thus novel functionalities to cellulose-based electrical insulation components. In addition, the concept will be based on multipliable technologies, enabling their transition and wide adoption for cellulose-based materials across the process industry and for applications beyond NOVUM for other industrial areas.

Related information

News

Manufacturing materials and methods for greener, more customisable and higher quality products



Coordinator

Teknologian tutkimuskeskus VTT Oy VUORIMIEHENTIE 3 02150 Espoo Finland

Activity type: Research Organisations Contact the organisation

Participants

ABB SPZOO UL.ZEGANSKA 1 04 713 WARSZAWA Poland

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

ECOXPAC A/S Denmark
FABRIKSVANGEN 5 EU contribution: EUR 1 321
600,88
Denmark

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

VERTECH GROUP France
11 RUE DEFLY EUR 554 750
06000 NICE
France

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

3DTECH OYFinlandHYVONINKATU 1EU contribution: EUR 28224240 SALO187,50FinlandFinland

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Page 84 of 220 Research and Innovation Poland EU contribution: EUR 757 750 RMA SP ZOO CHWASZCZYNSKA 133A 81 571 GDYNIA Poland

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

EXERGY LTD	United Kingdom
PUMA WAY THE TECHNOCENTRE COVENTRY	EU contribution: EUR 634
CV1 2TT COVENTRY	462,50
United Kingdom	
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establish	iments)
Contact the organisation	
AKADEMIA GORNICZO-HUTNICZA IM. STANISLAWA STASZICA W KRAKOWIE	Poland
AL ADAMA MICKIEWICZA 30	EU contribution: EUR 237 500
30-059 KRAKOW	
Poland	
Activity type: Higher or Secondary Education Establishments	
Contact the organisation	
J. Rettenmaier & Söhne GmbH + CO KG	Germany
Holzmühle 1	EU contribution: EUR 93 625
73494 Rosenberg	
Germany	
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establish	iments)
Contact the organisation	
AHLSTROM-MUNKSJO APPRIEU	France
40 RUE DU GRAND CHAMP	EU contribution: EUR 88
38140 APPRIEU	177,25
France	
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establish	iments)
Contact the organisation	
Last updated on 2017-07-24	
Retrieved on 2018-07-19	
Permalink: https://cordis.europa.eu/project/rcn/211276_en.html	

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SHAREBOX

Project ID: 680843

Funded under:

H2020-EU.2.1.5.3. - Sustainable, resource-efficient and low-carbon technologies in energy-intensive process industries

Secure Management Platform for Shared Process Resources

From 2015-09-01 to 2019-08-31, ongoing project | SHAREBOX Website

Project details

-		
Total cost:	Topic(s):	
EUR 5 910 047,50	SPIRE-06-2015 - Energy and resource management systems for improved	
EU contribution:	efficiency in the process industries	
EUR 5 416 544,75	Call for proposal:	
Coordinated in:	H2020-SPIRE-2015 See other projects for this call	
Spain	Funding scheme:	
	RIA - Research and Innovation action	

Objective

To pave the way forward for IS as a solution for more efficient processing and energy systems for the process industry, we will develop a secure ICT platform (SHAREBOX) for the flexible management of shared process resources that will provide plant operations and production managers with the robust and reliable information that they need in real-time in order to effectively and confidently share resources (plant, energy, water, residues, and recycled materials) with other companies in a symbiotic eco-system.

A suite of new analysis and optimisation tools for flexible energy use and material flow integration will be developed for optimising symbiosis among companies. These tools will be based on inputoutput (IO) modelling for resource (waste and energy) supply-demand matching and process efficiency analysis (to understand physical and technological conditions), game theoretical (GT) approach for integrating company behaviour in cost-, benefit-, and resource-sharing (to understand economic conditions), and agent-based modelling (ABM) for designing the (economic, environmental, and social) optimal symbiotic network (to have the holistic optimum). The outputs from the SHAREBOX controller will provide plant and operations managers with commands for actions to be taken and/or recommendations for decision support. It will be ensured that all commands and recommendations a) fulfil plant operations requirements, b) are within the constraints of any contractual obligations, c) are in compliance with all regulatory thresholds, and d) deliver optimal impacts in terms of cost/savings and ecological footprints. The historical data that is generated by the SHAREBOX platform will be processed by data mining tools that will provide the production/process BIG DATA for symbiotic shared resources optimisation. The platform will be cocreated, implemented and tested at 4 demo locations in EU, using realistic industrial streams and process conditions.

Related information

Report Summaries

Periodic Reporting for period 1 - SHAREBOX (Secure Management Platform for



Coordinator

IRIS TECHNOLOGY SOLUTIONS, SOCIEDAD LIMITADA CALLE VELAZQUEZ, NO 4 28006 MADRID Spain

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Participants

INTERNATIONAL SYNERGIES LTD 16-17 NEWHALL HILL UNIT 5 NEWHALL PLACE B30 3ES BIRMINGHAM United Kingdom

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

UNIVERSITEIT TWENTE DRIENERLOLAAN 5 7522 NB ENSCHEDE Netherlands

Activity type: Higher or Secondary Education Establishments Contact the organisation

UNIVERSITY OF LEEDS WOODHOUSE LANE LS2 9JT LEEDS United Kingdom

Activity type: Higher or Secondary Education Establishments Contact the organisation

ZURCHER HOCHSCHULE FUR ANGEWANDTE WISSENSCHAFTEN GERTRUDSTRASSE 15 8401 WINTERTHUR Switzerland

Activity type: Higher or Secondary Education Establishments Contact the organisation United Kingdom EU contribution: EUR 1 230 600

Netherlands EU contribution: EUR 724 670

> United Kingdom EU contribution: EUR 91 588,75

Switzerland EU contribution: EUR 0



Spain EU contribution: EUR 1 109 400 ASOCIACION DE INVESTIGACION DE LASINDUSTRIAS CERAMICAS AICE Spain CAMPUS UNIVERSITARIO RIU SEC EU contribution: EUR 360 790 12006 CASTELLON Spain Activity type: Research Organisations Contact the organisation UNIVERSITAT POLITECNICA DE CATALUNYA Spain CALLE JORDI GIRONA 31 EU contribution: EUR 284 138,75 08034 BARCELONA Spain Activity type: Higher or Secondary Education Establishments Contact the organisation DECHEMA GESELLSCHAFT FUER CHEMISCHE TECHNIK UND BIOTECHNOLOGIE E.V. Germany **THEODOR HEUSS ALLEE 25** EU contribution: EUR 217 315 60486 FRANKFURT Germany Activity type: Research Organisations Contact the organisation CHEMIE CLUSTER BAYERN GMBH Germany HANSASTRASSE 26 EU contribution: EUR 239 097.50 80686 MUNCHEN Germany Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation **KEROS CERAMICA SL** Spain CARRETERA NACIONAL 340 KM 44 5 CASTELLON EU contribution: EUR 205 375 12520 NULES Spain Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation **KERAFRIT SA** Spain CTRA NACIONAL 340 KM 44100 S/N EU contribution: EUR 223 800 12520 Nules Spain Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation



IBERICA DE SUSPENSIONES SL POLIGONO ONDARRIA S/N 31800 ALSASUA Spain

GUZMAN GLOBAL SL

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

CALLE DELS TRAGINERS 9 46014 VALENCIA Spain Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation FIRST CORPORATE SHIPPING LTD Participation ended United Kingdom ST ANDREW'S ROAD **EU contribution:** EUR 0 BS11 9DQ BRISTOL United Kingdom Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation ESKISEHIR SANAYI ODASI Turkey Organize Sanayi Bolgesi 2. Cad EU contribution: EUR 116 750 26110 ESKISEHIR Turkey Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation THE NORTH EAST OF ENGLAND PROCESS INDUSTRY CLUSTER LBG WESSINGTON WAY 1 HYLTON PARK EU contribution: EUR 134 000 SR5 3HD SUNDERLAND United Kingdom See on map Activity type: Other Contact the organisation UNIVERSITY OF STRATHCLYDE United Kingdom **Richmond Street 16** EU contribution: EUR 254 G1 1XQ GLASGOW United Kingdom

Activity type: Higher or Secondary Education Establishments Contact the organisation

Last updated on 2017-07-24

Spain EU contribution: EUR 138 962,50

United Kingdom

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661,25

Permalink: https://cordis.europa.eu/project/rcn/198388_en.html

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DECISIVE

Project ID: 689229

Funded under:

H2020-EU.3.5.4. - Enabling the transition towards a green economy and society through ecoinnovation

A DECentralIzed management Scheme for Innovative Valorization of urban biowastE

From 2016-09-01 to 2020-08-31, ongoing project

Project details	
Topic(s):	
WASTE-6a-2015 - Eco-innovative solutions	
Call for proposal:	
H2020-WASTE-2015-two-stage See other projects for this call	
Funding scheme:	
IA - Innovation action	

Objective

The growing attractiveness of cities leads to increasing population, thus rising energetic and food demands in urban areas. This makes urban waste management increasingly challenging, both in terms of logistics and environmental or health impacts. To decrease the cities' environmental impacts and to contribute to a better resilience of urban areas towards energy or food supply crisis, waste management systems have to be improved to increase recycling of resources and local valorization. In this context, the DECISIVE project proposes to change the present urban metabolism for organic matter (foods. plants, etc.), energy and biowaste to a more circular economy and to assess the impacts of these changes on the whole waste management cycle. Thus, the challenge will be to shift from a urban "grey box", implying mainly goods importation and extraurban waste management, to a cooperative organization of intra- and peri-urban networks enabling circular local and decentralised valorization of biowaste, through energy and bioproducts production. Such a new waste management paradigm is expected to increase the sustainability of urban development by: (1) promoting citizens awareness about waste costs and values; (2) promoting renewable energy production and use in the city; (3) developing an industrial ecology approach that can promote the integration between urban and peri-urban areas, by providing valuable agronomic by-products for urban agriculture development and so improving the balance of organic products and waste in the city; (4) developing new business opportunities and jobs. In order to achieve these objectives, the project DECISIVE will develop and demonstrate, at real scale, eco-innovative solutions addressed to waste operators and public services, consisting in: (1) a decision support tool to plan, design and assess efficient decentralised management networks for biowaste in urban areas; (2) eco-designed solid-state fermentation processes. Moreover in parallel of real scale demonstration sites, an eco-designed new micro-anaerobic digestion process will be developed and tested.



Coordinator

INSTITUT NATIONAL DE RECHERCHE EN SCIENCES ET TECHNOLOGIES POUR L'ENVIRONNEMENT ET L'AGRICULTURE RUE PIERRE GILLES DE GENNES 1 92761 ANTONY CEDEX France

Activity type: Research Organisations Contact the organisation

Participants

UNIVERSITAT AUTONOMA DE BARCELONA CAMPUS DE LA UAB BELLATERRA 08193 CERDANYOLA BARCELONA Spain

Activity type: Higher or Secondary Education Establishments Contact the organisation

AARHUS UNIVERSITET NORDRE RINGGADE 1 8000 AARHUS C Denmark

Activity type: Higher or Secondary Education Establishments Contact the organisation

TECHNISCHE UNIVERSITAT HAMBURG-HARBURG AM SCHWARZENBERG CAMPUS 1 21073 HAMBURG Germany

Activity type: Higher or Secondary Education Establishments Contact the organisation

FUNDACIO ENT CARRE SANT JOAN 39 PLANTA 1 08800 VILLANOVA I LA GELTRU Spain

Activity type: Other Contact the organisation France

EU contribution: EUR 1 179 940,51

Spain EU contribution: EUR 684 212,50

Denmark EU contribution: EUR 902 585

Germany EU contribution: EUR 947 125

Spain EU contribution: EUR 554 200



INNOVATIVE TECHNOLOGICAL SYSTEMS SRL Italy **VIA DELL'ARTIGIANATO 58** EU contribution: EUR 567 525 34070 GOGLIANO REDIPUGLIA GO Italy Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation AERIS TECNOLOGIAS AMBIENTALES SL Spain **CALLE SANTA ROSA 38** EU contribution: EUR 423 342,50 08290 CERDANYOLA DEL VALLES Spain Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation ASSOCIATION DES VILLES ET REGIONS POUR LA GESTION DURABLE DES RESSOURCES Belgium **AVENUE D'AUDERGHEM 63** EU contribution: EUR 431 975 **1040 BRUXELLES** Belgium Activity type: Other Contact the organisation AGENCIA DE RESIDUS DE CATALUNYA Spain Doctor Roux 80 EU contribution: EUR 615 175 08017 Barcelona Spain Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation PSUTEC SPRL Belgium LE TROU 2 **EU contribution:** EUR 122 383,66 **4190 FERRIERES** Belgium Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation SUEZ GROUPE France 16 PLACE DE L'IRIS TOUR CB21 **EU contribution:** EUR 742 775,26 92040 PARIS LA DEFENSE CEDEX France Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation



HELMHOLTZ ZENTRUM FUR OZEANFORSCHUNG KIEL WISCHHOFSTRASSE 1-3 24148 KIEL Germany

Activity type: Research Organisations Contact the organisation

REFARMERS 3 RUE ADAMOLI 69001 LYON France France EU contribution: EUR 381 334,63

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2017-07-24 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/203386_en.html © European Union, 2018







BAMB

Project ID: 642384

Funded under:

H2020-EU.3.5.4. - Enabling the transition towards a green economy and society through ecoinnovation

Buildings as Material Banks: Integrating Materials Passports with Reversible Building Design to Optimise Circular Industrial Value Chains

From 2015-09-01 to 2019-02-28, ongoing project | BAMB Website

Project details

Total cost:	Topic(s):	
EUR 9 933 112,13	WASTE-1-2014 - Moving towards a circular economy through industrial	
EU contribution:	symbiosis	
EUR 8 858 763,02	Call for proposal:	
Coordinated in:	H2020-WASTE-2014-two-stage See other projects for this call	
Belgium	Funding scheme:	
	IA - Innovation action	

Objective

The aims of BAMB (Buildings as Material Banks) are the prevention of construction and demolition waste, the reduction of virgin resource consumption and the development towards a circular economy through industrial symbiosis, addressing the challenges mentioned in the Work Programme on Climate action, environment, resource efficiency and raw materials. The focus of the project is on building construction and process industries (from architects to raw material suppliers). The BAMB-project implements the principles of the waste hierarchy: the prevention of waste, its reuse and recycling. Key is to improve the value of materials used in buildings for recovery. This is achieved by developing and integrating two complementary value adding frameworks, (1) materials passports and (2) reversible building design. These frameworks will be able to change conventional (cradle-to-grave) building components or material feedstock that can be upcycled in new constructions (using materials passports). This way, continuous loops of materials are created while large amounts of waste will be prevented.

Activities from research to market introduction are planned. Fundamental knowledge gaps should be bridged in order to introduce both frameworks on the market. Advanced ICT tools and management models will enable market uptake and the organization of circular value chains in building and process industries. New business models for (circular) value chains will be developed and tested on selected materials. The inclusion of strategic partners along the value chains in an industrial board will maximize market replicability potential, while several (mostly privately funded) building pilots will demonstrate the potential of the new techniques. Awareness will be raised to facilitate the transition towards circularity by policy reform and changing consumer behavior.

Related information

Report Summaries

Periodic Reporting for period 2 - BAMB (Buildings as Material Banks: Integrating Materials Passports with Reversible Building Design to Optimise Circular Industrial Value Chains)



CIRCULARITY IN THE BUILT ENVIRONMENT ENABLED BY DIGITALISATION

SBE19 Brussels - BAMB-CIRCPATH"Buildings As Material Banks – A Pathway For A Circular Future"

Coordinator

INSTITUT BRUXELLOIS POUR LA GESTION DE L'ENVIRONNEMENT-BRUSSELS INSTITUUT VOOR Belgium
MILIEUBEHEER
AVENUE DU PORT 86C
1000 BRUXELLES
Belgium

Activity type: Research Organisations Contact the organisation

Participants

EPEA NEDERLAND BV LICHTTOREN 32 5611 BJ EINDHOVEN Netherlands

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

VLAAMSE INSTELLING VOOR TECHNOLOGISCH ONDERZOEK N.V. BOERETANG 200 2400 MOL Belgium

Activity type: Research Organisations Contact the organisation

BUILDING RESEARCH ESTABLISHMENT LTD BUCKNALLS LANE WD25 9XX WATFORD United Kingdom

Activity type: Research Organisations Contact the organisation

STICHTING ZUYD HOGESCHOOL NIEUW EYCKHOLT 300 6419 DJ HEERLEN Netherlands

Activity type: Higher or Secondary Education Establishments Contact the organisation Netherlands EU contribution: EUR 1 137 749.38

Belgium EU contribution: EUR 673 242,50

United Kingdom EU contribution: EUR 958 320

> Netherlands EU contribution: EUR 825

837,50



IBM NEDERLAND BV JOHAN HUIZINGALAAN 765 1066VH AMSTERDAM Netherlands

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

VRIJE UNIVERSITEIT BRUSSEL PLEINLAAN 2 1050 BRUSSEL Belgium

Activity type: Higher or Secondary Education Establishments Contact the organisation

RONNEBY KOMMUN STADSHUSET 37280 RONNEBY Sweden

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

SUNDAHUS I LINKOEPING AB Teknikringen 10 58330 Linkoeping Sweden

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

TECHNISCHE UNIVERSITAET MUENCHEN Arcisstrasse 21 80333 MUENCHEN Germany

Activity type: Higher or Secondary Education Establishments Contact the organisation

UNIVERSITEIT TWENTE DRIENERLOLAAN 5 7522 NB ENSCHEDE Netherlands

Activity type: Higher or Secondary Education Establishments Contact the organisation Sweden

048,70

Belgium EU contribution: EUR 756 952

> Sweden EU contribution: EUR 425 315.63

EU contribution: EUR 494

Germany EU contribution: EUR 114 991,25

Netherlands EU contribution: EUR 793 875



UNIVERSIDADE DO MINHO LARGO DO PACO 4704 553 BRAGA Portugal

Activity type: Higher or Secondary Education Establishments Contact the organisation

FONDACIJA ZA RAZVOJ ODRZIVOG DIZAJNA SARAJEVO PATRIOTSKE LIGE 33 71000 SARAJEVO Bosnia and Herzegovina

Activity type: Research Organisations Contact the organisation

DREES & SOMMER ADVANCED BUILDING TECHNOLOGIES GMBH Obere Waldplaetze 11 70569 Stuttgart Germany

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

BAM Construct UK Limited Breakspear Park, Breakspear Way HP24FL Hemel Hempstead United Kingdom

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

AURUBIS BULGARIA AD Participation ended INDUSTRIAL ZONE

2070 PIRDOP Bulgaria

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2017-07-24 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/196829_en.html © European Union, 2018

Bosnia and EU contribution: EUR 353 418,75

EU contribution: EUR 223

United Kingdom EU contribution: EUR 65

Bulgaria **EU contribution:** EUR 0



Portugal

Germany

431,25

712.50

EU contribution: EUR 361 762,39





DEMETO

Project ID: 768573

Funded under:

H2020-EU.2.1.5.3. - Sustainable, resource-efficient and low-carbon technologies in energy-intensive process industries

Modular, scalable and high-performance DE-polymerization by MicrowavE TechnolOgy

From 2017-09-01 to 2020-08-31, ongoing project

Project details

Total cost:	Topic(s):	
EUR 9 890 857,14	SPIRE-09-2017 - Pilot lines based on more flexible and down-scaled high	
EU contribution:	performance processing	
EUR 7 808 937,50	Call for proposal:	
Coordinated in:	H2020-SPIRE-2017 See other projects for this call	
Italy	Funding scheme:	
	IA - Innovation action	

Objective

"Based on an internationally patented technology, the project foresees to bring at industrial level (through a completely functional pilot plant) the usage of microwaves as Process Intensification approach (through an electromagnetic catalytical effect) of the well-known alkaline hydrolysis depolymerization reaction. Such reaction was, up to know, economically unfeasible due to a certain number of technological constraints that DEMETO finally solves.

Coordinated by PROCESSI INNOVATIVI, R&D company of a large EPC (Engineering, Procurement and Construction) group, but supported by a large basis of SMEs that will bring the most innovative aspects of the project technology, DEMETO's Consortium is composed by highly skilled members, which can guarantee the appropriate exploitation of the project business case, also thanks to the involvement of all the major commercial stakeholders of the PET value chain, including the most relevant Customer Segments.

In fact, having followed all previous steps from lab-level testing (TRL3) to industrial demonstration of the core reactor (TRL6), we are now in the position to further move the technology towards its market deployment, by building a pilot plant (containing a full reactive unit) that would act as industrial demonstration of the performances of DEMETO's de-polymerization approach to the market.

One of the project major strengths is in fact that the market is ready to accept DEMETO's technology. The existing value chain of post-consumer recovery of PET plastic waste is perfectly apt to accept the introduction of a new ""ring of the chain"", that would close the loop into a circular economy model, acting either at the end of the chain (mechanical recyclers) or at its beginning (PET producers). This gives us a total addressable market of about 60 plants in Europe (270 worldwide), for a value of around ≤ 1.2 bn (≤ 5.4 bn worldwide).



Coordinator

PROCESSI INNOVATIVI SRL VIA GUIDO POLIDORO 1 67100 L'AQUILA Italy

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Participants

SYNESIS-SOCIETA CONSORTILE A RESPONSABILITA LIMITATA VIA CAVOUR 2 22074 LOMAZZO CO Italy

Activity type: Other Contact the organisation

GR3N SAGL VIA MADERNO 24 6900 LUGANO Switzerland

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

ACT OPERATIONS RESEARCH UK LTD WIGMORE STREET 32 - 1ST FLOOR W1U 2RP LONDON United Kingdom

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

3V TECH EQUIPMENT & PROCESS SYSTEMS SPA VIA FATEBENEFRATELLI 20 20121 MILANO Italy

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Italy EU contribution: EUR 1 475 687,50

Italy EU contribution: EUR 1 365 625

> Switzerland EU contribution: EUR 687 312,50

United Kingdom EU contribution: EUR 283 062,50

Italy EU contribution: EUR 1 029 875

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SCUOLA UNIVERSITARIA PROFESSIONALEDELLA SVIZZERA ITALIANA	Switzerland
STABILE LE GERRE	EU contribution: EUR 628 500
6928 MANNO	
Switzerland	
Activity type: Higher or Secondary Education Establishments	
Contact the organisation	
DANMARKS TEKNISKE UNIVERSITET	Denmark
ANKER ENGELUNDSVEJ 1 BYGNING 101 A	EU contribution: EUR 815 125
2800 KGS LYNGBY	
Denmark	
Activity type: Private for-profit entities (excluding Higher or Secondary Education Est	ablishments)
Contact the organisation	
PET COMPANIA PARA SU RECICLADO S.A.	Spain
POLIGONO INDUSTRIAL LA PAHILLA C/EL BLANQUIZAR S/N	EU contribution: EUR 230
46370 CHIVA	562,50
Spain	
Activity type: Private for-profit entities (excluding Higher or Secondary Education Est	ablishments)
Contact the organisation	
NEO GROUP	Lithuania
INDUSTRIJOS G.2	EU contribution: EUR 143
95346 RIMKAI KLAIPEDA	062,50
Lithuania	
Activity type: Private for-profit entities (excluding Higher or Secondary Education Est	ablishments)
Contact the organisation	
EUROPEAN PLASTICS CONVERTERS	Belgium
AVENUE DE CORTENBERGH 71	EU contribution: EUR 241 875
1000 BRUXELLES	
Belgium	
Activity type: Research Organisations	
Contact the organisation	
FRICKE UND MALLAH MICROWAVE TECHNOLOGY GMBH	Germany
WERNER NORDMEYER STR 25	EU contribution: EUR 545
31226 PEINE	562,50
Germany	
Activity type: Private for-profit entities (excluding Higher or Secondary Education Est	ablishments)
Contact the organisation	

EUROPEAN OUTDOOR GROUP GARTENSTRASSE 2 6302 ZUG Switzerland

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

HENNES & MAURITZ GBC AB MASTER SAMUELSGATAN 46A 10638 STOCKHOLM Sweden Sweden EU contribution: EUR 112 437,50

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

RECUPRENDA SL AVENIDA ESPIOCA NUM 201 46460 SILLA VALENCIA Spain Spain EU contribution: EUR 129 937,50

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2017-07-24 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/211454_en.html © European Union, 2018

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URBAN GreenUP

Project ID: 730426

Funded under:

H2020-EU.3.5.1.2. - Assess impacts, vulnerabilities and develop innovative cost-effective adaptation and risk prevention and management measures H2020-EU.3.5.1.3. - Support mitigation policies, including studies that focus on impact from other sectoral policies H2020-EU.3.5.2.1. - Further our understanding of biodiversity and the functioning of ecosystems, their interactions with social systems and their role in sustaining the economy and human well-being H2020-EU.3.5.2.2. - Developing integrated approaches to address water-related challenges and the transition to

sustainable management and use of water resources and services

H2020-EU.3.5.2.3. - Provide knowledge and tools for effective decision making and public engagement

New Strategy for Re-Naturing Cities through Nature-Based Solutions

From 2017-06-01 to 2022-05-31, ongoing project

Project details

Total cost:	Topic(s):	
EUR 14 811 824,43	SCC-02-2016-2017 - Demonstrating innovative nature-based solutions in cities	
EU contribution:	Call for proposal:	
EUR 13 970 642,25	H2020-SCC-NBS-2stage-2016 See other projects for this call	
Coordinated in:	Funding scheme:	
Spain	IA - Innovation action	

Objective

Urban GreenUP aims at obtaining a tailored methodology (1) to support the co-development of Renaturing Urban Plans focused on climate change mitigation and adaptation and efficient water management, and (2) to assist in the implementation of NBS in an effective way. NBS classification and parametrization will be addressed and some resources to support decision making will be established as part of the project activities.

A large scale and fully replicable demonstration action of NBS accompanied by innovative business models will provide evidences about the benefits of NBS contributing to the creation of new market opportunities for European companies, and fostering citizen insight and awareness about environmental problems.

Three European cities will assume the demos as front-runners (Valladolid, Liverpool and Izmir), other set of two European cities will act as followers to strengthen the replication potential of the results (Ludwigsburg and Mantova) and finally three non-European cities (Medellín, Chengdu and Quy Nhon) will allow to identify the market opportunities for European companies out of Europe and fostering the European leadership in NBS implementation at global level.

URBAN GreenUp also aims to: fostering the creation of a global market and EU international cooperation; deploy a wide Exploitation and Market deployment procedure for NBS solutions & deploy an Impact-based Communication and Dissemination strategy.

Related information



News	Reflecting on a greener future - URBAN GreenUP holds its periodic meeting in Izmir to study the project's different facets and forthcoming actions URBAN GreenUP – New Strategy for Re-naturing Cities through Nature-Based Solutions
	Liverpool, a frontrunner city in re-naturing public spaces
	How can the circular approach save our cities?
	The URBAN GreenUP catalogue of nature-based solutions is now public
	Good governance: a key to Re-naturing Urban Plans' success

Coordinator

FUNDACION CARTIF PQ TECNOLOGICO BOECILLO 205 47151 BOECILLO Spain

Activity type: Research Organisations Contact the organisation

Participants

AYUNTAMIENTO DE VALLADOLID PLAZA MAYOR 1 47001 VALLADOLID Spain

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

ACCIONA CONSTRUCCION SA AVENIDA DE EUROPA 18 PARQUE EMPRESARIAL 28108 ALCOBENDAS Spain

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

SINGULARGREEN SL PLAZA GABRIEL MIRO 18 PLANTA 3 PUERTA B 03001 ALICANTE Spain

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Spain EU contribution: EUR 2 374 302,50

EU contribution: EUR 1 144

Spain

770,56

Spain EU contribution: EUR 295 093,75

Spain EU contribution: EUR 126 043,75



FUNDACION CENTRO DE LAS NUEVAS TECNOLOGIAS DEL AGUA CALLE AMERICO VESPUCIO 5-A pl 2 41092 Sevilla Spain

Activity type: Research Organisations Contact the organisation

CONFEDERACION HIDROGRAFICA DEL DUERO CALLE MURO 5 47004 VALLADOLID Spain

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

LIVERPOOL CITY COUNCIL DALE STREET MUNICIPAL BUILDINGS L2 2DH LIVERPOOL United Kingdom

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

COMMUNITY FOREST TRUST 6 KANSAS AVENUE M50 2GL SALFORD United Kingdom

Activity type: Other Contact the organisation

THE UNIVERSITY OF LIVERPOOL BROWNLOW HILL 765 FOUNDATION BUILDING L69 7ZX LIVERPOOL United Kingdom

Activity type: Higher or Secondary Education Establishments Contact the organisation

IZMIR BUYUKSEHIR BELEDIYESI CUMHURIYET BULVARI 1 KONAK 35251 IZMIR Turkey

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

Spain EU contribution: EUR 99 750

608,50

EU contribution: EUR 2 238

United Kingdom

United Kingdom EU contribution: EUR 1 232 002,25

United Kingdom EU contribution: EUR 393 073,75

EU contribution: EUR 2 327

Turkey

062,50



DE SURDURULEBILIR ENERJI VE INSAAT SANAYI TICARET LIMITED SIRKETI Turkey BARBAROS MAH. TOPHANELIOGLU CAD. MURAT SITESI NO 74 I BLOK D 18 EU contribution: EUR 284 375 34662 USKUDAR Turkey Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation EGE UNIVERSITY Turkey EGE UNIVERSITESI KAMPUSU EU contribution: EUR 229 687,50 35100 IZMIR Turkey Activity type: Higher or Secondary Education Establishments Contact the organisation IZMIR INSTITUTE OF TECHNOLOGY Turkey **GULBAHCE URLA** EU contribution: EUR 241 875 35430 IZMIR Turkey Activity type: Higher or Secondary Education Establishments Contact the organisation BITNET BILISIM HIZMETLERI LIMITED SIRKETI Turkey MERKEZ MAH. KECIAGILI CAD KORU VILLA A1 BL EU contribution: EUR 324 091.25 34782 CEKMEKOY ISTANBUL Turkey Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation GMV AEROSPACE AND DEFENCE SA Spain CALLE ISAAC NEWTON PARQUE TECNOLOGICO DE MADRID **EU contribution:** EUR 388 528,44 28760 TRES CANTOS Spain Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation FONDAZIONE ICONS Italy PIAZZA DELLA VITTORIA 1 **EU contribution:** EUR 601 062,50 26900 LODI Italy

Activity type: Other Contact the organisation



ACONDICIONAMIENTO TARRASENSE ASSOCIACION Spain **CARRER DE LA INNOVACIO 2** EU contribution: EUR 352 687,50 08225 TERRASSA Spain Activity type: Research Organisations Contact the organisation UNIVERSITA COMMERCIALE LUIGI BOCCONI Italy VIA SARFATTI 25 EU contribution: EUR 375 000 20136 MILANO Italy Activity type: Higher or Secondary Education Establishments Contact the organisation CONG TY TNHH DAI HOC RMIT VIET NAM Vietnam 702 NGUYEN VAN LINH TAN PHONG WARD DISTRICT 7 **EU contribution:** EUR 185 937,50 HO CHI MINH CITY Vietnam Activity type: Higher or Secondary Education Establishments Contact the organisation SOCIEDADE PORTUGUESA DE INOVACAO - CONSULTADORIA EMPRESARIAL E FOMENTO DA Portugal INOVACAO S.A. AV MARECHAL GOMES DA COSTA 1376 PORTO CONCELHO FOZ DO DOURO EU contribution: EUR 204 750 4150 356 PORTO Portugal Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation COMUNE DI MANTOVA Italy VIA ROMA 39 **EU contribution:** EUR 92 062,50 46100 MANTOVA Italy Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation STADT LUDWIGSBURG Germany WILHELMSTRASSE 11 EU contribution: EUR 129 062,50 71633 LUDWIGSBURG

Germany

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation



ALCALDIA DE MEDELLIN	Colombia
CENTRO ADMINISTRATIVO LA ALPUJARRA. EDIFICIO DE LA ALCALDIA DE MEDELLIN PISO 13	EU contribution: EUR 96
OFICINA 1303	562,50
050015 MEDELLIN	
Colombia	
Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Contact the organisation	on Establishments)
BIN DINH PEOPLE'S COMMITTEE	Vietnam
1 TRAN PHU STREET	EU contribution: EUR 51
QUY NHON	187,50
Vietnam	
Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education	n Establishments)

SCIENCE AND TECHNOLOGY BUREAU OF CHENGDU HI-TECH INDUSTRIAL DEVELOPMENT ZONE	China
18 N SEC TIANFU AVENUE F 9 CDHT MANAGEMENT COMMITTEE	EU contribution: EUR 0
610041 CHENGDU	
China	

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

Last updated on 2017-07-28 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/210521_en.html

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UrBAN-WASTE

Project ID: 690452

Funded under:

H2020-EU.3.5.4. - Enabling the transition towards a green economy and society through ecoinnovation

Urban strategies for Waste Management in Tourist Cities

From 2016-06-01 to 2019-05-31, ongoing project | UrBAN-WASTE Website

Project details

Total cost:	Topic(s):
EUR 4 248 782,50	WASTE-6b-2015 - Eco-innovative strategies
EU contribution:	Call for proposal:
EUR 4 248 782,50	H2020-WASTE-2015-two-stage See other projects for this call
Coordinated in:	Funding scheme:
Spain	RIA - Research and Innovation action

Objective

Europe's cities are some of the world's greatest tourism destinations. The socio-economic impact of tourism is extraordinary and urban tourism, but it brings at the same time a range of negative externalities, including high levels of unsustainable resource consumption and waste production. In comparison with other cities, tourist cities have to face additional challenges related to waste prevention and management due to their geographical and climatic conditions, the seasonality of tourism flow and the specificity of tourism industry and of tourists as waste producers.

UrBAN-WASTE will support policy makers in answering these challenges and in developing strategies that aim at reducing the amount of municipal waste production and at further support the re-use, recycle, collection and disposal of waste in tourist cities. In doing so UrBAN-WASTE will adopt and apply the urban metabolism approach to support the switch to a circular model where waste is considered as resource and reintegrated in the urban flow.

UrBAN-WASTE will perform a metabolic analysis of the state of art of urban metabolism in 11 pilot cities. In parallel a participatory process involving all the relevant stakeholders will be set up through a mobilization and mutual learning action plan. These inputs will be integrated in the strategies along with a review of the most innovative existing technologies and practices in the field of waste management and prevention. The strategies will then be implemented in the 11 cities and the results will be monitored and disseminated facilitating the transfer and adaptation of the project outcomes in other cases.

Related information

Report Summaries

Periodic Reporting for period 1 - UrBAN-WASTE (Urban strategies for Waste Management in Tourist Cities)



GOBIERNO DE CANARIAS Avenida José Manuel Guimerá 5 38071 SANTA CRUZ DE TENERIFE Spain

Spain EU contribution: EUR 201 668,75

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

Participants TECHNISCHE UNIVERSITEIT DELFT Netherlands **STEVINWEG 1** EU contribution: EUR 175 820 2628 CN DELFT Netherlands Activity type: Higher or Secondary Education Establishments Contact the organisation ASSOCIATION DES VILLES ET REGIONS POUR LA GESTION DURABLE DES RESSOURCES Belgium **AVENUE D'AUDERGHEM 63** EU contribution: EUR 264 950 **1040 BRUXELLES** Belgium Activity type: Other Contact the organisation AARHUS UNIVERSITET Denmark NORDRE RINGGADE 1 EU contribution: EUR 89 450 8000 AARHUS C Denmark Activity type: Higher or Secondary Education Establishments Contact the organisation AYUNTAMIENTO DE SANTANDER Spain PLAZA DEL AYUNTAMIENTO 1 **EU contribution:** EUR 192 143,75 39001 SANTANDER Spain

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation



UNIVERSITAET FUER BODENKULTUR WIEN GREGOR MENDEL STRASSE 33 1180 WIEN Austria

Activity type: Higher or Secondary Education Establishments Contact the organisation

KOBENHAVNS KOMMUNE Denmark **OTTILIAVEJ 1 EU contribution:** EUR 183 312,50 2500 VALBY Denmark Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation CABILDO INSULAR DE TENERIFE Spain **AVENIDA JOSE ANTONIO 2** EU contribution: EUR 100 485 98003 SANTA CRUZ DE TENERIFE Spain Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation ANAPTIXIAKI ANONIMI ETAIRIA DIACHIRISIS APORRIMATON ANOTILIKIS MAKEDONIAS-THRAKIS Greece AE - DIAAMATH NIKOLAOU PLASTIRA STR. 6 **EU contribution:** EUR 120 827,50 **69100 KOMOTINI** Greece Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation KOBENHAVNS UNIVERSITET Denmark NORREGADE 10 EU contribution: EUR 198 500 1165 KOBENHAVN Denmark Activity type: Higher or Secondary Education Establishments Contact the organisation COMUNE DI SIRACUSA Italy PIAZZA DUOMO 4 EU contribution: EUR 167 110 96100 SIRACUSA Italy Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)

Contact the organisation

OBSERVATOIRE REGIONAL DES DECHETS D'ILE DE FRANCE 90 AVENUE DU GENERAL LECLERC 93500 PANTIN France

Activity type: Other Contact the organisation

BIOAZUL	Spain
CALLE SEVERO OCHOA 7	EU contribution: EUR 104
29590 CAMPANILLAS	687,50
Spain	
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establis	hments)
Contact the organisation	
SVERIGES LANTBRUKSUNIVERSITET	Sweden
ALMAS ALLE 8	EU contribution: EUR 179 750
750 07 UPPSALA	
Sweden	
Activity type: Higher or Secondary Education Establishments	
Contact the organisation	
DUNEA DOO ZA REGIONALNI RAZVOJ I POSLOVNE USLUGE	Croatia
BRANITELJA DUBROVNIKA	EU contribution: EUR 87
20 000 DUBROVNIK	781,25
Croatia	
Activity type: Public bodies (excluding Research Organisations and Secondary or Higher E	Education Establishments)
Contact the organisation	
CONSULTA EUROPA PROJECTS AND INNOVATION SL	Spain
PARQUE CIENTIFICO Y TECNOLOGICO CAMPUS UNIVERSITARIO DE TAFIRA EDIFICIO	EU contribution: EUR 398 906.25
Spain	
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establis	hments)
Contact the organisation	
AGENCE OBSERVAT AMENAGE HABITAT REUNION	France
140 RUE JULIETTE DODU	EU contribution: EUR 43
97404 SAINT DENIS DE LA REUNION	072,50
France	
Activity type: Other	
Contact the organisation	

Page 112 of 220 Research and Innovation CAMARA MUNICIPAL DE LISBOA PACOS DO CONCELHO PRACA DO MUNICIPIO 1100-365 LISBOA Portugal

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

UNIVERSIDAD DE LAS PALMAS DE GRAN CANARIA Spain C/ Juan de Quesada 30 EU contribution: EUR 240 912,50 35001 LAS PALMAS DE GRAN CANARIA Spain Activity type: Higher or Secondary Education Establishments Contact the organisation AMBIENTE ITALIA SRL Italy CARLO POERIO 39 EU contribution: EUR 254 865 20129 MILANO Italy Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation ASOCIACION HOTELERA Y EXTRAHOTELERA DE TENERIFE LA PALMA LA GOMERA Y EL HIERRO Spain **RAMBLA GENERAL FRANCO 147 EU contribution:** EUR 55 053.75 38001 SANTA CRUZ DE TENERIFE Spain Activity type: Other Contact the organisation METROPOLE NICE COTE D'AZUR France 5 RUE DE L'HOTEL DE VILLE EU contribution: EUR 170 895 06300 NICE France Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation PERIFEREIA IPEIROY Greece **1ST PYRROS SQUARE** EU contribution: EUR 23 225 45221 IOANNINA Greece

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

276,25



FUNDO REGIONAL PARA A CIENCIA E TECNOLOGIA RUA DO MERCADO 21 9500 326 PONTA DELGADA Portugal

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

LINNEUNIVERSITETET LINNAEUS UNIVERSITY 35195 VAXJO Sweden

Activity type: Higher or Secondary Education Establishments Contact the organisation

LEFKOSIA MUNICIPALITY ELEFTHERIAS SQUARE 1500 LEFKOSIA Cyprus

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

REGIONE TOSCANA Palazzo Strozzi Sacrati - Piazza del Duomo 10 50122 FIRENZE Italy

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

Last updated on 2017-07-28 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/203275_en.html © European Union, 2018

Sweden EU contribution: EUR 65 941,25

EU contribution: EUR 149

Cyprus

022,50

Italy EU contribution: EUR 178 622,50







INCOVER

Project ID: 689242

Funded under:

H2020-EU.3.5.4. - Enabling the transition towards a green economy and society through ecoinnovation

Innovative Eco-Technologies for Resource Recovery from Wastewater

From 2016-06-01 to 2019-05-31, ongoing project | INCOVER Website

Project details

Total cost:	Topic(s):	
EUR 8 431 385	WATER-1b-2015 - Demonstration/pilot activities	
EU contribution:	Call for proposal:	
EUR 7 209 032,01	H2020-WATER-2015-two-stage See other projects for this call	
Coordinated in:	Funding scheme:	
Spain	IA - Innovation action	

Objective

Taking into account the current global water scarcity and the expensive operation and maintenance cost of wastewater treatment, INCOVER concept has been designed to move wastewater treatment from being primarily a sanitation technology towards a bio-product recovery industry and a recycled water supplier. A wastewater specific Decision Support System methodology will be tailored to the INCOVER technologies and provide data and selection criteria for a holistic wastewater management approach

Three added-value plants treating wastewater from three case-studies (municipalities, farms and food and beverage industries) will be implemented, assessed and optimised concurrently. INCOVER plants will be implemented at demonstration scale in order to achieve Technology Readiness Level(TRL) of 7-8 to ensure straightforward up scaling to 100,000 population equivalents (PE). INCOVER added-value plants will generate benefits from wastewater offering three recovery solutions: 1) Chemical recovery (bio-plastic and organic acids) via algae/bacteria and yeast biotechnology; 2) Near-zero-energy plant providing upgraded bio-methane via pre-treatment and anaerobic co-digestion systems; 3) Bio-production and reclaimed water via adsorption, biotechnology based on wetlands systems and hydrothermal carbonisation. To improve added-value production efficiency, INCOVER solutions will include monitoring and control via optical sensing and soft-sensors INCOVER solutions will reduce at least a 50% overall operation and maintenance cost of wastewater treatment through the use of wastewater as a source for energy demand and added-value production to follow UE circular economy strategy. In addition, strategies to facilitate the market uptake of INCOVER innovations will be carried out in order to close the gap between demonstration and end-users

An estimated turnover of 188 million€ for INCOVER lead-users is expected after the initial exploitation strategy of 5 years implementing 27 INCOVER solutions

Related information

Report Summaries

Periodic Reporting for period 1 - INCOVER (Innovative Eco-Technologies for Resource Recovery from Wastewater)



ASOCIACION DE INVESTIGACION METALURGICA DEL NOROESTE CALLE RELVA TORNEIROS 27A 36410 PORRINO Spain

Activity type: Research Organisations Contact the organisation

Participants

FCC AQUALIA SA CALLE FEDERICO SALMON 13 28016 MADRID Spain

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

AARHUS UNIVERSITET NORDRE RINGGADE 1 8000 AARHUS C Denmark

Activity type: Higher or Secondary Education Establishments Contact the organisation

UNIVERSITAT POLITECNICA DE CATALUNYA CALLE JORDI GIRONA 31 08034 BARCELONA Spain

Activity type: Higher or Secondary Education Establishments Contact the organisation

HELMHOLTZ-ZENTRUM FUER UMWELTFORSCHUNG GMBH - UFZ Permoser Strasse 15 04318 LEIPZIG Germany

Activity type: Research Organisations Contact the organisation **EU contribution:** EUR 596 562,50

Spain

Spain EU contribution: EUR 632 537,50

Denmark EU contribution: EUR 423 062,50

Spain EU contribution: EUR 807 500

Germany EU contribution: EUR 812 875



FUTURE INTELLIGENCE EREVNA TILEPIKINONIAKON KE PLIROFORIAKON SYSTIMATON EPE	Greece
PATRIARXOU GRIGORIOU NEAPOLEWS	EU contribution: EUR 220
15341 ATHINA	456,25
Greece	
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishmer	its)
Contact the organisation	
GREGERSEN PEDER	Denmark
FORSOMHO SKOLEVEJ 5	EU contribution: EUR 342
6870 OLGOD	004,38
Denmark	
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishmer	its)
Contact the organisation	
SIMBIENTE - ENGENHARIA E GESTAO AMBIENTAL LDA	Portugal
Avepark - Parque de Ciência e Tecnologia, Edifício Spinpark	EU contribution: EUR 167
4805-017 Guimaraes	693,75
Portugal	
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishmer	its)
Contact the organisation	
UNIVERSIDAD DE VALLADOLID	Spain
PLAZA SANTA CRUZ 8 PALACIO DE SANTA CRUZ	EU contribution: EUR 338
47002 VALLADOLID	687,50
Spain	
Activity type: Higher or Secondary Education Establishments	
Contact the organisation	
SOLARSPRING GMBH	Germany
CHRISTAWEG 40	EU contribution: EUR 261
79108 FREIBURG IM BREISGAU	/23,88
Germany	
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishmer	its)
Contact the organisation	
TEKNOLOGISK INSTITUT	Denmark
GREGERSENSVEJ 1	EU contribution: EUR 387
2630 TAASTRUP	812,50
Denmark	
Activity type: Research Organisations	
Contact the organisation	

Page 117 of 220 Research and Innovation AUTARCON GMBH FRANZ ULRICH STRASSE 18 F 34117 KASSEL Germany

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

INSTITUTO DE BIOLOGIA EXPERIMENTAL E TECNOLOGICA	Portugal
AVENIDA DA REPUBLICA QUINTO DO MARQUES	EU contribution: EUR 494
2781 901 OEIRAS	067,50
Portugal	
Activity type: Research Organisations	
Contact the organisation	
RENERGIE SYSTEME GMBH & CO KG	Germany
HOHER MARKSTEIN 26	EU contribution: EUR 457 275
97631 BAD KONIGSHOFEN	
Germany	
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establish	ments)
Contact the organisation	
	Portugal
BIOCANT PARK NUCLEO 4 LUTE 2	EU contribution: EUR 302 435
Portugal	
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establish	ments)
Contact the organisation	mentsy
OFFICE INTERNATIONAL DE L'EAU	France
RUE DE MADRID 21	EU contribution: EUR 289
75008 PARIS	937,50
France	
Activity type: Other	
Contact the organisation	
	United Kingdom
61 DOWNS WOOD	Ell contribution: ELID 224
KT18 5UI EPSOM	456,25
- United Kingdom	

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation



ICLEI EUROPEAN SECRETARIAT GMBH (ICLEI EUROPASEKRETARIAT GMBH)* Leopoldring 3 79098 Freiburg Germany

Activity type: Other Contact the organisation

Last updated on 2017-07-31 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/203262_en.html © European Union, 2018







Waste4Think

Project ID: 688995

Funded under:

H2020-EU.3.5.4. - Enabling the transition towards a green economy and society through ecoinnovation

Moving towards Life Cycle Thinking by integrating Advanced Waste Management Systems

From 2016-06-01 to 2019-11-30, ongoing project | Waste4Think Website

Project details

Total cost:	Topic(s):	
EUR 10 521 412,35	WASTE-6a-2015 - Eco-innovative solutions	
EU contribution:	Call for proposal:	
EUR 8 818 556,12	H2020-WASTE-2015-two-stage See other projects for this call	
Coordinated in:	Funding scheme:	
Spain	IA - Innovation action	

Objective

The main objective of this project is to move forward the current waste management practices into a circular economy motto, demonstrating the value of integrating and validating a set of 20 eco-innovative solutions that cover all the waste value chain. The benefits of these solutions will be enhanced by a holistic waste data management methodology, and will be demonstrated in 4 complementary urban areas in Europe.

The eco-innovative solutions include technological and non-technological tools such as: a) IT tools to support the daily operation and long-term planning, b) Apps for citizens empowerment and engagement, c) Educational materials based on innovative teaching units and serious games, d) Tools for citizen science for the co-creation of novel solutions, e) Mechanisms to boost behavioral changes based on economic instruments and social actions, and f) Decentralized solutions for valorization and reuse of high value resources.

The different solutions will be implemented in 4 complementary European areas: a) Zamudio (ES) is a highly industrialized area with a spread population that uses a separated kerbside collection; b) Halandri (GR) is a large suburban city with a wide range of business that has a very basic waste management system; c) Seveso (IT) is a residential town that uses a door-to-door system; d) and Cascais (PT) is an extensive and high touristic coastal town that implements an advanced collection system.

The project includes a consortium of 19 partners with 4 public agencies and administrations, 3 research centers and universities, 8 SMEs, 2 LEs, 1 cluster and 1 NGO, that will work together during 36 months with an overall contribution from the EC of €9M.The most relevant expected impacts are: a 20% increase in waste sorting, 10% saving of management costs, and 10% reduction of GHG emissions. The experience gained, and the synergies among the partners describe the best possible scenario to launch new governance and business models.

Related information

Report Summaries

Periodic Reporting for period 1 - Waste4Think (Moving towards Life Cycle Thinking by integrating Advanced Waste Management Systems)



FUNDACION DEUSTO Avenida de las Universidades 24 48007 Bilbao Spain

Activity type: Research Organisations Contact the organisation

Participants

ZABALA INNOVATION CONSULTING, S.A. PASEO SANTXIKI 3 BIS 31192 MUTILVA ALTA NAVARRA Spain

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

AYUNTAMIENTO DE ZAMUDIO PLAZA SABINO ARANA 1 48170 ZAMUDIO Spain

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

ASOCIACION CLUSTER DE INDUSTRIAS DEMEDIO AMBIENTE DE EUSKADI PASCO DE URIBITARTE 3 48001 BILBAO Spain

Activity type: Other Contact the organisation

GREEN TECHNOLOGIES MELETES KAI ERGA GIA TO PERIVALLON ETAIRIA PERIORISMENIS	Greece
EYTHINIS	
ELLINOS STRATIOTOU 5	EU contribution: EUR 465
26223 PATRA	062,47
Greece	

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Spain EU contribution: EUR 1 236 941,81

Spain EU contribution: EUR 439 923.75

Spain EU contribution: EUR 563 221,84

Spain EU contribution: EUR 320 625 ENBIO EPE Greece DORIZA STR 1 EU contribution: EUR 377 912.50 **11525 ATHENS** Greece Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation NATIONAL TECHNICAL UNIVERSITY OF ATHENS - NTUA Greece HEROON POLYTECHNIOU 9 ZOGRAPHOU CAMPUS EU contribution: EUR 787 637,50 **15780 ATHINA** Greece Activity type: Higher or Secondary Education Establishments Contact the organisation PANEPISTIMIO PATRON Greece UNIVERSITY CAMPUS RIO PATRAS **EU contribution:** EUR 522 837,50 265 04 RIO PATRAS Greece Activity type: Higher or Secondary Education Establishments Contact the organisation DIMOS CHALANDRIOU Greece AGIOU GEORGIOU 30 KAI ARISTIDOU EU contribution: EUR 455 250 15234 HALANDRI Greece Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation SERIOUS GAMES INTERACTIVE APS Denmark VIBORGGADE 70, 4 **EU contribution:** EUR 681 187,50 2100 KOBENHAVN Denmark Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation ARS AMBIENTE SRL Italy VIA CARLO NOE 45 EU contribution: EUR 269 937,50 21013 GALLARATE

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Italy



COMUNE DI SEVESO VIALE VITTORIO VENETO 3/5 20822 SEVESO Italy

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

LEGAMBIENTE LOMBARDIA ONLUS	Italy
VIA ADELAIDE BONO CAIROLI 22	EU contribution: EUR 201 875
20127 MILANO	
Italy	
Activity type: Other	
Contact the organisation	
SOFTLINE SRL	Italy
VIA ANTONIO GROSSICH 8	EU contribution: EUR 285
20131 MILANO	687,50
Italy	
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establis	shments)
Contact the organisation	
MOBA MOBILE AUTOMATION AG	Germany
KAPELLENSTRASSE 15	EU contribution: EUR 660
65555 LIMBURG	222,50
Germany	
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establis	shments)
Contact the organisation	
EMAC EMPRESA MUNICIPAL DE AMBIENTEDE CASCAIS EM SA	Portugal
COMPLEXO MUNICIPAL MULTISERVICOS DA ADROANA, ESTRA MANIQUE 1830	EU contribution: EUR 352
2645 138 ALCABIDECHE	397,50
Portugal	
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establis	shments)
Contact the organisation	
AGENCIA DE ECOLOGIA URBANA DE BARCELONA CONSORCIO	Spain
ESCAR 1 PLANTA 3	EU contribution: FUB 437
08039 BARCELONA	048,75
Spain	
Activity type: Research Organisations	
Contact the organisation	



ENGINEERING - INGEGNERIA INFORMATICA SPA Via San Martino Della Battaglia 56 00185 ROMA Italy

Spain

812,50

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

VIRTUALWARE 2007 SA CALLE USAUSUAGA MODULO 5 6 7 PLANTA 7 SUPERIOR ELEMENTO 3 PARCELA 8 1 **EU contribution:** EUR 242 POLIGONO ARTUNDUAGA 7 48970 BASAURI Spain

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2017-08-03 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/203385_en.html © European Union, 2018







sustainablySMART

Project ID: 680604

Funded under: H2020-EU.2.1.5.1. - Technologies for Factories of the

Future

Sustainable Smart Mobile Devices Lifecycles through Advanced Re-design, Reliability, and Re-use and Remanufacturing Technologies

From 2015-09-01 to 2019-10-31, ongoing project | sustainablySMART Website

Project details

Total cost:	Topic(s):
EUR 7 005 292,50	FoF-13-2015 - Re-use and remanufacturing technologies and equipment for
EU contribution:	sustainable product lifecycle management
EUR 6 989 278	Call for proposal:
Coordinated in:	H2020-FoF-2015 See other projects for this call
Germany	Funding scheme:
	RIA - Research and Innovation action

Objective

sustainablySMART will make a change to the life cycle of mobile information and communication devices by developing new product design approaches (including enhanced end-of-life performance, re-use and re-manufacturing aspects; i.e. implementing "Design for a Circular Economy") for smartphones and tablet computers on the product and printed circuit board level, and by new re-/de-manufacturing processes with improved resource efficiency through (1) enhanced sorting capabilities and speed (optimized sorting efficiency), (2) automated disassembly of mobile IT devices for extraction of reusable components / modules, better material separation and depollution of end-of-life devices (increase value creation out of discarded devices significantly to create an economic advantage over shredding processes), and (3) high-quality performance testing (batteries) and rework (semiconductors and modules) of reusable components/modules (creating a market push for reusable parts through enhanced availability for repair and cascade reuse).

Related information

Report Summaries

Periodic Reporting for period 1 - sustainablySMART (Sustainable Smart Mobile Devices Lifecycles through Advanced Re-design, Reliability, and Re-use and Remanufacturing Technologies)



FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V. HANSASTRASSE 27C 80686 MUNCHEN Germany

Activity type: Research Organisations Contact the organisation

Participants

CIRCULAR DEVICES OY **MAARINTIE 6** 02150 ESPOO Finland

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

FAIRPHONE BV Jollemanhof 17 1019GW Amsterdam Netherlands

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

MULTIMEDIA COMPUTER SYSTEM LTD ARANLEIGH HOUSE ARANLEIGH COURT RATHFARNHAM 14 DUBLIN Ireland

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

PRO AUTOMATION GMBH **FRANZOSENGRABEN 10** 1030 WIEN Austria

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Netherlands EU contribution: EUR 157 650

EU contribution: EUR 420

EU contribution: EUR 488 200

EU contribution: EUR 1 095 743,75

Germany

Finland

Ireland

871,75

Austria EU contribution: EUR 400 625

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IFIXIT GMBH TRANKESTRASSE 7 70597 STUTTGART Germany

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

REUSE EV AM FORSTACKER 7A 13587 BERLIN Germany	Germany EU contribution: EUR 300 000
Activity type: Other Contact the organisation	
TECHNISCHE UNIVERSITAET WIEN KARLSPLATZ 13 1040 WIEN Austria	Austria EU contribution: EUR 535 937,50
Activity type: Higher or Secondary Education Establishments Contact the organisation	
INSTYTUT TELE- I RADIOTECHNICZNY RATUSZOWA STREET 11 03-450 WARSZAWA Poland	Poland EU contribution: EUR 298 500
Activity type: Research Organisations Contact the organisation	
Semicon Sp. z.o.o. ZWOLENSKA 43/43A 04-761 Warsaw Poland	Poland EU contribution: EUR 300 000
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establish Contact the organisation	nments)
GRANT4COM OY YRTTIPELLONTIE 6 90230 OULU Finland	Finland EU contribution: EUR 421 250
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establish Contact the organisation	nments)



RFND TECHNOLOGIES AB BROR NILSSONS GATA 4 417 55 GOTEBORG Sweden	Sweden EU contribution: EUR 313 000
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establish Contact the organisation	ments)
AT & S AUSTRIA TECHNOLOGIE & SYSTEMTECHNIK AKTIENGESELLSCHAFT FABRIKSGASSE 13 8700 LEOBEN Austria	Austria EU contribution: EUR 801 250
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establish Contact the organisation	ments)
SPEECH PROCESSING SOLUTIONS GMBH GUTHEIL-SCHODER-GASSE 8-12 1100 WIEN Austria	Austria EU contribution: EUR 202 500
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establish Contact the organisation	ments)
OSTERREICHISCHE GESELLSCHAFT FUR SYSTEM- UND AUTOMATISIERUNGSTECHNIK VEREIN BECKMANNGASSE 51/28 1140 WIEN Austria	Austria EU contribution: EUR 300 000
Activity type: Research Organisations Contact the organisation	
BLANCCO OY LTD LANSIKATU 15 80110 JOENSUU Finland	Finland EU contribution: EUR 401 250
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establish Contact the organisation	ments)
PRIMETEL PLC OMONOIAS 141, MARITIME CENTRE 3045 LIMASSOL Cyprus	Cyprus EU contribution: EUR 196 250
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establish Contact the organisation	ments)
Last updated on 2017-08-04 Retrieved on 2018-07-19	



Permalink: https://cordis.europa.eu/project/rcn/198769_en.html

 $\ensuremath{\mathbb{C}}$ European Union, 2018







NoAW

Project ID: 688338

Funded under:

H2020-EU.3.2. - SOCIETAL CHALLENGES - Food security, sustainable agriculture and forestry, marine, maritime and inland water research, and the bioeconomy H2020-EU.3.5.4. - Enabling the transition towards a green economy and society through eco-innovation

Innovative approaches to turn agricultural waste into ecological and economic assets

From 2016-10-01 to 2020-09-30, ongoing project

Project details

Total cost:	Topic(s):
EUR 7 816 232,50	WASTE-7-2015 - Ensuring sustainable use of agricultural waste, co-products
EU contribution:	and by-products
EUR 6 887 570	Call for proposal:
Coordinated in:	H2020-WASTE-2015-two-stage See other projects for this call
France	Funding scheme:
	RIA - Research and Innovation action

Objective

NoAW: No Agro-Waste.

Innovative approaches to turn agricultural waste into ecological and economic assets.

Driven by a "near zero-waste" society requirement, the goal of NoAW project is to generate innovative efficient approaches to convert growing agricultural waste issues into eco-efficient bio-based products opportunities with direct benefits for both environment, economy and EU consumer. To achieve this goal, the NoAW concept relies on developing holistic life cycle thinking able to support environmentally responsible R&D innovations on agro-waste conversion at different TRLs, in the light of regional and seasonal specificities, not forgetting risks emerging from circular management of agro-wastes (e.g. contaminants accumulation).

By involving all agriculture chain stakeholders in a territorial perspective, the project will:

Develop innovative eco-design and hybrid assessment tools of circular agro-waste management strategies and address related gap of knowledge and data via extensive exchange through the Knowledge exchange Stakeholders Platform;
 Develop breakthrough knowledge on agro-waste molecular complexity and heterogeneity in order to upgrade the most widespread mature conversion technology (anaerobic digestion) and to synergistically eco-design robust cascading processes to fully convert agro-waste into a set of high added value bio-energy, bio-fertilizers and bio-chemicals and building blocks, able to substitute a significant range of non-renewable equivalents, with favourable air, water and soil impacts; and
 Get insights of the complexity of potentially new, cross-sectors, business clusters in order to fast track NoAW strategies toward the field and develop new business concepts and stakeholders platform for cross-chain valorisation of agro-waste on a territorial and seasonal basis.



INSTITUT NATIONAL DE LA RECHERCHE AGRONOMIQUE Rue De L'Universite 147 75338 PARIS CEDEX 07 France

Activity type: Research Organisations Contact the organisation

Participants

INNOVEN SRL VIA LE GRAZIE 15 37134 VERONA Italy

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

RISE RESEARCH INSTITUTES OF SWEDEN AB BRINELLGATAN 4 501 15 BORAS Sweden

Activity type: Research Organisations Contact the organisation

UNIVERSITA DEGLI STUDI DI ROMA LA SAPIENZA Piazzale Aldo Moro 5 00185 ROMA Italy

Activity type: Higher or Secondary Education Establishments Contact the organisation

SCHIESSL PETER FUHRN 12 92431 NEUNBURG VORM WALD Germany

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

France **EU contribution:** EUR 1 134 475

Italy EU contribution: EUR 230 000

> Sweden EU contribution: EUR 484 826,25

Italy EU contribution: EUR 417 250

Germany
EU contribution: EUR 170 000



ALMA MATER STUDIORUM - UNIVERSITA DI BOLOGNA VIA ZAMBONI 33 EU contribution: EUR 500 365 40126 BOLOGNA Italy Activity type: Higher or Secondary Education Establishments Contact the organisation DANMARKS TEKNISKE UNIVERSITET Denmark ANKER ENGELUNDSVEJ 1 BYGNING 101 A EU contribution: EUR 392 807,50 2800 KGS LYNGBY Denmark Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation INSTITUT ZA ARHITEKTURU I URBANIZAM SRBIJE Serbia BULEVAR KRALJA ALEKSANDRA 73 II EU contribution: EUR 349 375 11000 BEOGRAD Serbia Activity type: Research Organisations Contact the organisation Campden BRI Magyarorszag Nonprofit Korlatolt Felelossegu Tarsasag Hungary HALLER U 2 **EU contribution:** EUR 444 786.25 1096 BUDAPEST Hungary Activity type: Research Organisations Contact the organisation INSTITUTO DE BIOLOGIA EXPERIMENTAL E TECNOLOGICA Portugal AVENIDA DA REPUBLICA QUINTO DO MARQUES EU contribution: EUR 175 000 2781 901 OEIRAS Portugal Activity type: Research Organisations Contact the organisation FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V. Germany HANSASTRASSE 27C EU contribution: EUR 209 997,50 80686 MUNCHEN Germany Activity type: Research Organisations Contact the organisation

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INSTITUT FRANCAIS DE LA VIGNE ET DU VIN DOMAINE DE L ESPIGUETTE 30240 LE GRAU DU ROI France

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

NATIONAL TECHNICAL UNIVERSITY OF ATHENS - NTUA HEROON POLYTECHNIOU 9 ZOGRAPHOU CAMPUS 15780 ATHINA Greece

Activity type: Higher or Secondary Education Establishments Contact the organisation

UNIVERSITE DE MONTPELLIER 163 RUE AUGUSTE BROUSSONNET 34090 MONTPELLIER France

Activity type: Higher or Secondary Education Establishments Contact the organisation

GRAP'SUD SOCIETE COOPERATIVE AGRICOLE SCA LA GARDONNENQUE 30360 CRUVIERS LASCOURS France

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

IBBK FACHGRUPPE BIOGAS GMBH
AM FEUERSEE 6
74592 KIRCHBERG AN DER JAGST
Germany

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

AALBORG UNIVERSITET FREDRIK BAJERS VEJ 5 9220 AALBORG Denmark

Activity type: Higher or Secondary Education Establishments Contact the organisation Greece EU contribution: EUR 194 250

EU contribution: EUR 340

France

012,50

France EU contribution: EUR 35 128.75

Germany **EU contribution:** EUR 166 000

Denmark EU contribution: EUR 189 375



SOFIES SA RUE DU VUACHE 1 1201 GENEVE Switzerland

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

STICHTING WAGENINGEN RESEARCH Netherlands **DROEVENDAALSESTEEG 4** EU contribution: EUR 257 417,50 6708 PB WAGENINGEN Netherlands Activity type: Research Organisations Contact the organisation CONFEDERAZIONE GENERALE DELL AGRICOLTURA ITALIANA Italy CORSO VITTORIO EMANUELE II 101 EU contribution: EUR 186 750 00186 ROMA Italy Activity type: Other Contact the organisation ECOZEPT GBR Germany **OBERER GRABEN 22** EU contribution: EUR 214 912.50 85354 FREISING Germany Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation AGRIPORT A7 B.V. Netherlands AGRIPORT 109 EU contribution: EUR 25 000 1775TA MIDDENMEER Netherlands Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE INCORPORATED CHUNGHSING ROAD 195 SECTION 4 310 CHUTUNG Taiwan

Activity type: Research Organisations Contact the organisation



Taiwan EU contribution: EUR 0 CITY UNIVERSITY OF HONG KONG Hong Kong TAT CHEE AVENUE, KOW LOON **EU contribution:** EUR 0 HONG KONG Hong Kong Activity type: Higher or Secondary Education Establishments Contact the organisation SUN YAT-SEN UNIVERSITY China West Xin Gang Road, 135 **EU contribution:** EUR 0 510275 GUANGZHOU China Activity type: Higher or Secondary Education Establishments Contact the organisation INSTITUTE OF AGRO-PRODUCTS PROCESSING SCIENCE AND TECHNOLOGY, CHINESE ACADEMY China OF AGRICULTURAL SCIENCES **1 NONGDA SOUTH ROAD XIBEIWANG HAIDIAN DISTRICT EU contribution:** EUR 0 100193 BEIJING China Activity type: Research Organisations Contact the organisation INRA TRANSFERT S.A. France **RUE DU DOCTEUR FINLAY 28** EU contribution: EUR 255 125 75015 PARIS France Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation PREDUZECE ZA PROIZVODNJU PROMET I USLUGE VINARIJA ALEKSANDROVIC DOO, VINCA Serbia VINARIJA ALEKSANDROVIC EU contribution: EUR 25 575 34310 VINCA TOPOLA Serbia Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation VERMICON AKTIENGESELLSCHAFT Germany Emmy Noether Str. 2 **EU contribution:** EUR 109 203,75 80992 MUENCHEN Germany Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation



BioVantage.dk ApS KLERKEGADE 19, 3 1308 KOBENHAVN Denmark

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

NINGBO TIANAN BIOLOGIC MATERIAL CO. LTD ROOM 613 BUILDING 18 MUDAN DISTRICT XINQI BEILUN 315800 NINGBO China

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

ASSOCIATION POUR L'ENVIRONNEMENT ET LA SECURITE EN AQUITAINE 2 AVENUE DU PRESIDENT ANGOT HELIOPARC 64053 PAU CEDEX 9 France France EU contribution: EUR 112 937,50

EU contribution: EUR 0

China

Activity type: Other Contact the organisation

Last updated on 2017-08-04 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/203384_en.html © European Union, 2018







CABRISS

Project ID: 641972

Funded under:

H2020-EU.3.5.4. - Enabling the transition towards a green economy and society through ecoinnovation

Implementation of a CirculAr economy Based on Recycled, reused and recovered Indium, Silicon and Silver materials for photovoltaic and other applications

From 2015-06-01 to 2018-05-31, closed project | CABRISS Website

Project details

Total cost:	Topic(s):	
EUR 9 281 682,65	WASTE-1-2014 - Moving towards a circular economy through industrial	
EU contribution:	symbiosis	
EUR 7 844 564,54	Call for proposal:	
Coordinated in:	H2020-WASTE-2014-two-stage See other projects for this call	
France	Funding scheme:	
	IA - Innovation action	

Objective

The main vision of CABRISS project is to develop a circular economy mainly for the photovoltaic, but also for electronic and glass industry. It will consist in the implementation of: (i) recycling technologies to recover In, Ag and Si for the sustainable PV technology and other applications; (ii) a solar cell processing roadmap, which will use Si waste for the high throughput, cost-effective manufacturing of hybrid Si based solar cells and will demonstrate the possibility for the re-usability and recyclability at the end of life of key PV materials. The developed Si solar cells will have the specificity to have a low environmental impact by the implementation of low carbon footprint technologies and as a consequence, the technology will present a low energy payback (about 1 year).

The originality of the project relates to the cross-sectorial approach associating together different sectors like the Powder Metallurgy (fabrication of Si powder based low cost substrate), the PV industry (innovative PV Cells) and the industry of recycling (hydrometallurgy and pyrometallurgy) with a common aim : make use of recycled waste materials (Si, In and Ag). CABRISS focuses mainly on a photovoltaic production value chain, thus demonstrating the cross-sectorial industrial symbiosis with closed-loop processes.

Related information

Report Summaries

Periodic Reporting for period 1 - CABRISS (Implementation of a CirculAr economy Based on Recycled, reused and recovered Indium, Silicon and Silver materials for photovoltaic and other applications)



COMMISSARIAT A L ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES RUE LEBLANC 25 75015 PARIS 15 France

Activity type: Research Organisations Contact the organisation

Participants

STIFTELSEN SINTEF STRINDVEIEN 4 7034 TRONDHEIM Norway

Activity type: Research Organisations Contact the organisation

INTERUNIVERSITAIR MICRO-ELECTRONICA CENTRUM KAPELDREEF 75 3001 LEUVEN Belgium

Activity type: Research Organisations Contact the organisation

LOSER CHEMIE GMBH KOPERNIKUSSTRASSE 38-42 08056 ZWICKAU Germany

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

FERROATLANTICA I & D SL PASEO DE LA CASTELLANA 86 28046 MADRID Spain

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

France EU contribution: EUR 1 525 743,90

Norway EU contribution: EUR 915 368,75

Belgium EU contribution: EUR 828 058,75

Germany EU contribution: EUR 268 747,50

Spain EU contribution: EUR 515 375



UAB SOLI TEK R&D MOKSLININKU G. 6A LT-08412 VILNIUS Lithuania	Lithuania EU contribution: EUR 392 350
Activity type: Private for-profit entities (excluding Higher or Secondary Educ Contact the organisation	cation Establishments)
PYROGENESIS SA ATHENS-LAVRION AVE, TECHNOLOGICAL PARK 1 19500 LAVRION Greece	Greece EU contribution: EUR 371 087,50
Activity type: Private for-profit entities (excluding Higher or Secondary Educ Contact the organisation	cation Establishments)
RHP TECHNOLOGY GMBH FORSCHUNGSZENTRUM SEIBERSDORF GEBAUDE CA 2444 SEIBERSDORF AN DER LEITHA Austria	Austria EU contribution: EUR 227 500
Activity type: Private for-profit entities (excluding Higher or Secondary Educ Contact the organisation	cation Establishments)
RESITEC AS SETESDALSVEIEN 110 4617 KRISTIANSAND S Norway	Norway EU contribution: EUR 375 850,13
Activity type: Private for-profit entities (excluding Higher or Secondary Educ Contact the organisation	cation Establishments)
TECHNISCHE UNIVERSITAET WIEN KARLSPLATZ 13 1040 WIEN Austria	Austria EU contribution: EUR 806 457,50
Activity type: Higher or Secondary Education Establishments Contact the organisation	
SUNPLUGGED - SOLARE ENERGIESYSTEME GMBH MINDELHEIMER STRASSE 6 6130 SCHWAZ Austria	Austria EU contribution: EUR 395 199,88
Activity type: Private for-profit entities (excluding Higher or Secondary Educ Contact the organisation	cation Establishments)

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FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V. HANSASTRASSE 27C 80686 MUNCHEN	Germany EU contribution: EUR 415 660
Germany Activity type: Research Organisations Contact the organisation	
PROJEKTKOMPETENZ.EU - GESELLSCHAFT FUR PROJEKTENTWICKLUNG UND -MANAGEMENT MBH	Austria
FRANZ JOSEF STRASSE 19/7	EU contribution: EUR 217 000
5020 SALZBURG	
Austria	
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establish	ments)
Contact the organisation	
	France
140 BIS BUE DE RENNES	Ell contribution: EUR 1// 375
75006 PARIS	
France	
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establish	ments)
Contact the organisation	
	Finland
	Filialiu
02150 ESPOO	093,75
Finland	
Activity type: Private for profit entities (excluding Higher or Secondary Education Establish	ments)
Contact the organisation	inents)
	_
ECM GREENTECH	France
	EU contribution: EUR 115 696,88
France	
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establish	ments)
Contact the organisation	
Last updated on 2017-08-04	
Retrieved on 2018-07-19	

Permalink: https://cordis.europa.eu/project/rcn/196816_en.html © European Union, 2018







VULKANO

Project ID: 723803

Funded under:

H2020-EU.2.1.5.3. - Sustainable, resource-efficient and low-carbon technologies in energy-intensive process industries

Novel integrated refurbishment solution as a key path towards creating eco-efficient and competitive furnaces

From 2016-07-01 to 2019-12-31, ongoing project | VULKANO Website

Project details

Total cost:	Topic(s):
EUR 6 940 813,75	SPIRE-04-2016 - Industrial furnace design addressing energy efficiency in new
EU contribution:	and existing furnaces
EUR 6 940 813,75	Call for proposal:
Coordinated in:	H2020-SPIRE-2016 See other projects for this call
Spain	Funding scheme:
	RIA - Research and Innovation action

Objective

The main goal of VULKANO is the retrofitting of two types of industrial furnaces, namely preheating and melting, applied on three energy-intensive sectors (steel, ceramic and aluminium) with a huge number of potential users in Europe. Thus, this project aims to design, implement and validate an advanced retrofitting integrated solution to increase the energy and environmental efficiency in existing industrial furnaces fed with NG; through the combined implementation of new solutions based on high temperature phase change materials, new refractories, optimised co-firing of NG and syngas from biomass or process gas, an advanced monitoring and control system and an holistic in-house predictive tool. All together will achieve a 20% increase in the energy efficiency of furnaces.

On top of that, the realistic and powerful holistic tool will also able to optimize the integration of the solution with upstream/downstream perspective, following a life cycle and cost thinking. This predictive tool will support plant operators and decision makers to select most suitable retrofitting strategy for their plants, fostering overall efficiency, increase in competitiveness and circular economy and reducing the environmental impact of the product value chain from an LCA and LCC perspective.

The retrofitting solutions will be tested at TRL 7 in two real facilities in Ceramic (Spain) and Steel (Slovenia) sector, validating the replicability of such solutions in a third sector (Aluminium-Turkey). VULKANO addresses the main challenge when facing furnaces retrofitting, which is tackling the problem from an overall and cost thinking perspective, which will enable overcoming the barriers for energy efficiency improvements. A well balanced consortium formed by end-users, technology solutions providers and research organizations ensures successful achievement of objectives, which will allow a wide spreading replication strategy towards furnaces retrofitting towards modern and efficient designs

Related information

Report Summaries

Periodic Reporting for period 1 - VULKANO (Novel integrated refurbishment solution as a key path towards creating eco-efficient and competitive furnaces)



 FUNDACION CIRCE CENTRO DE INVESTIGACION DE RECURSOS Y CONSUMOS ENERGETICOS

 CALLE MARIANO ESQUILLOR GOMEZ 15 EDIFICIO CIRCE CAMPUS RIO EBRO

 50018 ZARAGOZA

 Spain

Activity type: Research Organisations Contact the organisation

Participants

BOSIO PROIZVODNO-TRGOVSKO PODJETJE DOO BUKOVZLAK 109 3000 CELJE Slovenia

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

FIVES STEIN 108-112 AVENUE DE LA LIBERTE 94700 MAISONS-ALFORT France

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

RINA CONSULTING - CENTRO SVILUPPO MATERIALI SPA VIA DI CASTEL ROMANO 100 00128 ROMA Italy

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

PHASE CHANGE MATERIAL PRODUCTS LTD MERE VIEW INDUSTRIAL ESTATE UNIT 32 YAXLEY PE7 3HS PETERBOROUGH CAMBS United Kingdom

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation



United Kingdom

Slovenia EU contribution: EUR 980 625

> France EU contribution: EUR 587 823,75

> Italy EU contribution: EUR 697 188,75

023,75

EU contribution: EUR 321 952,50

Spain

EU contribution: EUR 1 114 687,50 VALJI PROIZVODNJA VALJEV IN ULITKO DOO ZELEZARSKA CESTA 3 **3220 STORE** Slovenia

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

FUNDACION TECNALIA RESEARCH & INNOVATION PARQUE CIENTIFICO Y TECNOLOGICO DE GIPUZKOA PASEO MIKELETEGI 2 20009 DONOSTIA SAN SEBASTIAN Spain

Activity type: Research Organisations Contact the organisation

INSTYTUT ENERGETYKI Poland UL. MORY 8 EU contribution: EUR 836 130 01 330 WARSZAWA Poland Activity type: Research Organisations

Contact the organisation

TORRECID SA PARTIDA TORRETA 12110 ALCORA CASTELLON Spain

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V. Germany HANSASTRASSE 27C EU contribution: EUR 268 750 **80686 MUNCHEN** Germany

Activity type: Research Organisations Contact the organisation

ASAS ALUMINYUM SANAYI VE TICARET ANONIM SIRKETI RUZGARLIBAHCE MAH. KUMLU SOK. ASAS ISM. 2 34810 ISTANBUL Turkey

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation



EU contribution: EUR 587 187.50

Turkey EU contribution: EUR 252 500

Spain

EU contribution: EUR 453 312,50

Spain

FUNDACION CIDAUT PLAZA VICENTE ALEIXANDRE CAMPOS 2 PQ TECNOLOGICO DE BOECILLO 209 47151 VALLADOLID Spain

Activity type: Research Organisations Contact the organisation

Last updated on 2017-08-04 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/205503_en.html

 $\ensuremath{\mathbb{C}}$ European Union, 2018






URBANREC

Project ID: 690103

Funded under:

H2020-EU.3.5.4. - Enabling the transition towards a green economy and society through ecoinnovation

New approaches for the valorisation of URBAN bulky waste into high added value RECycled products

From 2016-06-01 to 2019-11-30, ongoing project | URBANREC Website

Project details

Total cost:	Topic(s):	
EUR 9 978 981,97	WASTE-6a-2015 - Eco-innovative solutions	
EU contribution:	Call for proposal:	
EUR 8 618 970,39	H2020-WASTE-2015-two-stage See other projects for this call	
Coordinated in:	Funding scheme:	
Spain	IA - Innovation action	

Objective

URBANREC project aims to develop and implement an eco-innovative and integral bulky waste management system (enhancing prevention, improving logistics and allowing new waste treatments to obtain high added value recycled products) and demonstrate its effectiveness in different regions. In URBANREC project, Northern, Mediterranean, Eastern and Southeastern areas in Europe are represented by Belgium, Spain, Poland and Turkey, which have very different urban waste recycling rates, from around a 60% in Belgium, 25-30% in Spain, or 20% in Poland, to less than 5% in Turkey. URBANREC project aims to improve the separation and disassembling of bulky waste - implementing advanced fragmentation techniques to obtain high quality raw materials, promoting innovative valorisation routes for those considered more problematic (PUR foam, mixed hard plastics and mixed textiles), not recycled due to lack of eco-innovative cost-effective solutions.

The waste treatments considered in the project include i) rebonding and chemical glycolisis for the PUR materials, to prepare renewable adhesives, ii) needle felt to obtain isolation panels from textiles, iii) fibre reinforced composites from textiles, iv) wood Plastic composites (WPC) and v) catalytic hydro-gasification with plasma for mixed hard plastics to obtain chemicals or fuel. These treatments will be optimized and implemented at industrial level thanks to the collaboration of the URBANREC partners: top Research Institutes at EU level, and companies interested in obtaining novel eco-friendly products from waste, under a circular economy approach.

All relevant actors in the waste management chain in every country have been also involved as project partners (local authorities and city amenity sites in Belgium, Spain, Poland and Turkey) guaranteeing the implementation of the proposed solutions at local level, adapting them to suit the particular characteristics of each area, ensuring the replication at EU level

Related information

Report Summaries

Periodic Reporting for period 1 - URBANREC (New approaches for the valorisation of URBAN bulky waste into high added value RECycled products)



AIMPLAS - ASOCIACION DE INVESTIGACION DE MATERIALES PLASTICOS Y CONEXAS CALLE GUSTAVE EIFFEL 4 PARQUE TECNOLOGICO DE PATERNA 46980 PATERNA VALENCIA Spain

Activity type: Research Organisations Contact the organisation

Participants

FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.	Germany
HANSASTRASSE 27C	EU contribution: EUR 567
80686 MUNCHEN	297,50
Germany	
Activity type: Research Organisations	
Contact the organisation	
CENTRE SCIENTIFIQUE & TECHNIQUE DE L'INDUSTRIE TEXTILE BELGE	Belgium
RUE MONTOYER 24/2	EU contribution: EUR 627 150
1000 BRUXELLES	
Belgium	
Activity type: Research Organisations	
Contact the organisation	
INSTYTUT OCHRONY SRODOWISKA - PANSTWOWY INSTYTUT BADAWCZY	Poland
ULICA KRUCZA 5/11D	EU contribution: EUR 149 925
00 548 WARSZAWA	
Poland	
Activity type: Research Organisations	
Contact the organisation	
IZMIR INSTITUTE OF TECHNOLOGY	Turkey
GULBAHCE URLA	EU contribution: EUR 341
35430 IZMIR	393,75
Turkey	
Activity type: Higher or Secondary Education Establishments	

Contact the organisation



Spain EU contribution: EUR 589 365

ASSOCIATION DES VILLES ET REGIONS POUR LA GESTION DURABLE DES RESSOURCES	Belgium
AVENUE D'AUDERGHEM 63	EU contribution: EUR 298 700
1040 BRUXELLES	
Belgium	
Activity type: Other	
Contact the organisation	
IZNAB SPOLKA Z OGRANICZONA ODPOWIEDZIALNOSCIA	Poland
UL. PORY 78	EU contribution: EUR 269 150
02 757 WARSZAWA	
Poland	
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establish	ments)
Contact the organisation	
ECOFRAG-MENTATION EUROPE SL	Spain
CALLE POETA IOSE CERVERA Y GRIFOL.12, 5A.PTA 37	Ell contribution: EUB 994 361
46013 VALENCIA	
Spain	
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establish	ments)
Contact the organisation	
BLUEPLASMA POWER SL	Spain
CALLE MANUEL AZANA NUM 4, PLANTA 4, PUERTO 4	EU contribution: EUR 590
12006 CASTELLON DE LA PLANA	073,75
Spain	
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establish	ments)
Contact the organisation	
RAMPF ECO SOLUTIONS GMBH & CO. KG	Germany
ELSASSER STRASSE 7	EU contribution: EUR 175
66954 PIRMASENS	787,50
Germany	
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establish	ments)
Contact the organisation	
RESCOLL	France
ALLEE GEOFFROY SAINT HILAIRE 8	Ell contribution: FUR 508
33600 PESSAC	482,13
France	
Activity type: Research Organisations	
Contact the organisation	



EUROSPUMA SOCIEDADE INDUSTRIAL DE ESPUMAS SINTETICAS SA Portugal RUA DOS LAGOS 242 **EU contribution:** EUR 232 927.63 4501 855 ESPINHO Portugal Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation COLCHONES DELAX SL Spain CALLE CERVANTES 23-P°5 - Pta9 EU contribution: EUR 241 142,13 46680 ALGEMESI Spain Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation PROCOTEX CORPORATION SA Belgium **RUE THEODOR KLUBER 8** EU contribution: EUR 273 918,75 7711 DOTTIGNIES Belgium Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation VANHEEDE ENVIRONMENT GROUP Belgium **BEEKSTRAAT 25-27** EU contribution: EUR 364 000 1080 SINT-JANS-MOLENBEEK Belgium Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation INTERGEMEENTELIJKE MAATSCHAPPIJ VOOR OPENBARE GEZONDHEID IN ZUID-WEST-Belgium VLAANDEREN STADHUIS KORTRIJK GROTE MARKT Z/N EU contribution: EUR 652 500 8500 KORTRIJK Belgium Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation CONSORCIO VALENCIA INTERIOR V3 Spain Adarve 5 EU contribution: EUR 333 756,25 46300 UTIEL Spain

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

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OPENBARE VLAAMSE AFVALSTOFFENMAATSCHAPPIJ STATIONSSTRAAT 110 2800 MECHELEN Belgium

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

DIPUTACION DE VALENCIA Spain PLAZA MANISES 4 EU contribution: EUR 335 095 46003 VALENCIA Spain

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

 MIASTO STOLECZNE WARSZAWA
 Poland

 PLAC BANKOWY 3/5
 EU contribution: EUR 266 375

 00 950 WARSZAWA
 Poland

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

BORNOVA BELEDIYESI FEVZI CAKMAK CADDESI 38 35040 IZMIR BORNOVA Turkey Turkey
EU contribution: EUR 129 820

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

Last updated on 2017-08-04 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/203390_en.html © European Union, 2018







INTEGRAL

Project ID: 720878

Funded under:

H2020-EU.2.1.2. - INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies – Nanotechnologies

INitiative to bring the 2nd generation of ThermoElectric Generators into industrial ReALity

From 2016-12-01 to 2019-11-30, ongoing project

Project details

Total cost:	Topic(s):
EUR 8 845 948,75	PILOTS-01-2016 - Pilot lines for manufacturing of materials with customized
EU contribution:	thermal/electrical conductivity properties
EUR 7 000 983,51	Call for proposal:
Coordinated in:	H2020-NMBP-PILOTS-2016 See other projects for this call
France	Funding scheme:
	IA - Innovation action

Objective

Thermoelectric materials have been studied for several decades now. Improved TE materials are emerging with the so-called second-generation thermoelectric (GEN2 TE) materials: silicides and half-Heusler. These materials are low-cost, based on most earth-abundant elements and eco-friendly materials, and can impact positively European industry and society by converting wasted heat into electricity.

As GEN2 TE materials are attracting a growing interest, pilot lines resulting from partnerships between public research institutes, industrial research teams and SME are emerging in Europe.

The aim of the INTEGRAL project is to upscale the GEN2 TE material technology using existing pilot lines and growing SMEs, in order to address mass markets TE needs (automotive, heavy duty trucks, autonomous sensors and industry waste heat recovery). The INTEGRAL project is unique since it gathers in a complete value chain the major companies (including SMEs and startups) developing GEN2 TE advanced materials in Europe and cutting-edge research centers. INTEGRAL will allow the industry to step up towards advanced manufacturing and commercialization of systems integrating multifunctional TE materials (on a nano-based approach), through material customization, next techniques for characterization and process control and up-scaled pilot-line demonstrations of reliability, reproducibility and mastered material consumption. Furthermore, the large-scale processes which will be developed for producing nanostructured materials within the INTEGRAL project will explore a wider range of applications outside thermoelectrics, in particular where customization of electrical or thermal properties of sintered or casted materials are needed. Finally, a technology transfer will be performed from research activities to pilot-lines, towards the commercialization of the new generation of advanced materials with a circular economy vision.



COMMISSARIAT A L ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES RUE LEBLANC 25 75015 PARIS 15 France

Activity type: Research Organisations Contact the organisation

Participants

VALEO SYSTEMES THERMIQUES SAS rue Louis Lormand 8 78321 LA VERRIERE France

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

RICARDO UK LIMITED Shoreham Technical Centre BN43 5FG SHOREHAM-BY-SEA United Kingdom

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

HOTBLOCK ONBOARD 7 PARVIS LOUIS NEEL 38000 GRENOBLE France

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

ELKEM AS DRAMMENSVEIEN 169 0277 OSLO Norway

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation



France EU contribution: EUR 412 480,25

United Kingdom EU contribution: EUR 113 103,38

France EU contribution: EUR 553

218,75

Norway EU contribution: EUR 204 356,25



ISABELLENHUTTE HEUSLER GMBH & CO KG Germany **EIBACHER WEG 3-5 EU contribution:** EUR 995 336,13 35683 DILLENBURG Germany Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation RGS DEVELOPMENT BV Netherlands **BIJLESTAAL 54** EU contribution: EUR 905 668,16 1721 PW BROEKEN OP LANGEDIJK Netherlands Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V. Germany HANSASTRASSE 27C EU contribution: EUR 861 600 **80686 MUNCHEN** Germany Activity type: Research Organisations Contact the organisation FUNDACION CIDETEC Spain PASEO MIRAMON 196 PARQUE TECNOLOGICO DE MIRAMON EU contribution: EUR 458 750 20014 SAN SEBASTIAN Spain Activity type: Research Organisations Contact the organisation MBN NANOMATERIALIA SPA Italy VIA BORTOLAN 42 EU contribution: EUR 496 250 31030 CARBONERA Italy Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation EFFICIENT INNOVATION SAS France **AVENUE CLEMENT ADER 55 EU contribution:** EUR 228 996,25 34170 CASTELNAU-LE-LEZ France Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation



Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

ARCELORMITTAL INNOVACION INVESTIGACION E INVERSION SL LUGAR RESIDENCIA LA GRANDA SN 33418 GOZON Spain

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2017-08-04 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/206837_en.html

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Spain

594,63

EU contribution: EUR 144







AgroCycle

Project ID: 690142

Funded under:

H2020-EU.3.2. - SOCIETAL CHALLENGES - Food security, sustainable agriculture and forestry, marine, maritime and inland water research, and the bioeconomy H2020-EU.3.5.4. - Enabling the transition towards a green economy and society through eco-innovation

Sustainable techno-economic solutions for the agricultural value chain

From 2016-06-01 to 2019-05-31, ongoing project | AgroCycle Website

Project details

Total cost:	Topic(s):
EUR 7 650 049,75	WASTE-7-2015 - Ensuring sustainable use of agricultural waste, co-products
EU contribution:	and by-products
EUR 6 960 293,75	Call for proposal:
Coordinated in:	H2020-WASTE-2015-two-stage See other projects for this call
Ireland	Funding scheme:
	RIA - Research and Innovation action

Objective

Continuing population and consumption growth are driving global food demand, with agricultural activity increasing to keep pace. Europe has a major agricultural waste problem, generating some 700 million tonnes of waste annually. There is an urgent need and huge opportunity to address the efficient use of agricultural wastes, co-products and by-products (AWCB) towards delivering sustainable value chains in the farming and processing sectors. As such, AgroCycle will convert low value agricultural waste into highly valuable products, achieving a 10% increase in waste recycling and valorisation by 2020. This will be achieved by developing a detailed and holistic understanding of the waste streams and piloting a key number of waste utilisation/valorisation pathways. It will bring technologies and systems from ~TRL4 to ~TRL7 within the 3 years of the project. A post-project commercialisation plan will bring commercially promising technologies/systems to TRL8 and TRL9, ensuring AgroCycle will have an enduring impact by achieving sustainable use of AWCB both inside and outside the agricultural sector, leading to the realisation of a Circular Economy.

AgroCycle addresses wastes from several agricultural sectors: wine, olive oil, horticulture, fruit, grassland, swine, dairy and poultry. The AgroCycle consortium is a large (25) multi-national group (including China) comprising the necessary and relevant multi-actors (i.e. researchers; companies in the technical, manufacturing, advisory, retail sectors (Large and SMEs); lead users; end users; and trade/producer associations) for achieving the project's ambitions goals. Farming's unique regional (rural) location means that AgroCycle will help reduce the EU's Innovation Divide and address the Regional Smart Specialisation Strategies for each partner country: impact will be Regional with National and International dimensions. The presence of three partners from China ensures international synergies and a global impact.

Related information

Report Summaries

Periodic Reporting for period 1 - AgroCycle (Sustainable techno-economic solutions for the agricultural value chain)



UNIVERSITY COLLEGE DUBLIN, NATIONAL UNIVERSITY OF IRELAND, DUBLIN BELFIELD 4 DUBLIN Ireland

Activity type: Higher or Secondary Education Establishments Contact the organisation

Participants

UNIVERSITEIT GENT SINT PIETERSNIEUWSTRAAT 25 9000 GENT Belgium

Activity type: Higher or Secondary Education Establishments Contact the organisation

HARPER ADAMS UNIVERSITY EDGMOND TF10 8NB NEWPORT United Kingdom

Activity type: Higher or Secondary Education Establishments Contact the organisation

 FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.
 Germany

 HANSASTRASSE 27C
 EU contribution: EUR 536 717

 80686 MUNCHEN
 Germany

Activity type: Research Organisations Contact the organisation

CONSIGLIO NAZIONALE DELLE RICERCHE PIAZZALE ALDO MORO 7 00185 ROMA Italy

Activity type: Research Organisations Contact the organisation Ireland EU contribution: EUR 878 125

Belgium EU contribution: EUR 452 228

> United Kingdom EU contribution: EUR 444 517,50

Italy EU contribution: EUR 284 556



ETHNIKO KENTRO EREVNAS KAI TECHNOLOGIKIS ANAPTYXIS	Greece
CHARILAOU THERMI ROAD 6 KM	EU contribution: EUR 433 562
57001 THERMI THESSALONIKI	
Greece	
Activity type: Research Organisations	
Contact the organisation	
MEDUNARODNI CENTAR ZA ODRZIVI RAZVOJ ENERGETIKE VODA I OKOLISA	Croatia
IVANA LUCICA 5	EU contribution: EUR 241 413
10000 ZAGREB	
Croatia	
Activity type: Research Organisations	
Contact the organisation	
ELLINIKOS GEORGIKOS ORGANISMOS - DIMITRA	Greece
KOURTIDOU 56-58	Ell contribution: ELIB 294 825
11145 ATHINA	
Greece	
Activity type: Higher or Secondary Education Establishments	
Contact the organisation	
CONSIGLIO PER LA RICERCA IN AGRICOLTURA E L'ANALISI DELL'ECONOMIA AGRARIA	Italy
VIA PO 14	EU contribution: EUR 302 531
00198 ROMA	
Italy	
Activity type: Research Organisations	
Contact the organisation	
The National Non-Food Crops Centre	United Kinadom
Innovation Way, York Science Park, Biocentre,	EU contribution: FUB 240
YO10 5DG YORK	107,50
United Kingdom	
Activity type: Research Organisations	
Contact the organisation	
CHINA AGRICULTURAL UNIVERSITY	China
YUANMINGYUAN XILU 2 HAIDIAN DISTRICT	EU contribution: FUR 0
100193 BEIJING	
China	
Activity type: Higher or Secondary Education Establishments	
Contact the organisation	



Nanjing China Activity type: Higher or Secondary Education Establishments Contact the organisation IRIS TECHNOLOGY SOLUTIONS, SOCIEDAD LIMITADA Spain CALLE VELAZQUEZ, NO 4 EU contribution: EUR 769 000 28006 MADRID Spain Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation TOMSA DESTIL SL Spain CALLE BAHIA DE POLLENSA 21 EU contribution: EUR 200 450 28042 MADRID Spain Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation EXERGY LTD United Kingdom PUMA WAY THE TECHNOCENTRE COVENTRY EU contribution: EUR 464 687.50 CV1 2TT COVENTRY United Kingdom Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation AXEB BIOTHECH SL Spain PARC DE GARDENY S N BLOQUE H3 PLANTA 2 PUERTA B EU contribution: EUR 80 370 25003 LLEIDA Spain Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation MASSTOCK ARABLE UK LIMITED United Kingdom STATION ROAD ANDOVERSFORD CHELTENHAM EU contribution: EUR 208 750 **GL54 4LZ CHELTENHAM GLOUCESTERSHIRE** United Kingdom Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)

China

EU contribution: EUR 0

Contact the organisation

NANJING UNIVERSITY OF TECHNOLOGY

Xinmofan Road 5



RESET CARBON LIMITED	Hong Kong
1903, FU FAI COMMERCIAL CENTRE, 27 HILLIER STREET	EU contribution: EUR 0
0000 SHEUNG WAN	
Hong Kong	
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establis	hments)
Contact the organisation	
CARTON BROS	Ireland
BRACETOWN BUSINESS PARK, CLONEE, CO MEATH	EU contribution: EUR 285 783
CLONEE	
Ireland	
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establis	hments)
Contact the organisation	
NATIONAL UNIVERSITY OF IRELAND MAYNOOTH	Ireland
CO KILDARE	EU contribution: EUR 135 495
W23 Maynooth	
Ireland	
Activity type: Higher or Secondary Education Establishments	
Contact the organisation	
EUROPEAN BIOMASS INDUSTRY ASSOCIATION	Belgium
ROND POINT SCHUMAN 6	EU contribution: EUR 149 845
1040 BRUXELLES	
Belgium	
Activity type: Other	
Contact the organisation	
COMITE EUROPEEN DES GROUPEMENTS DE CONSTRUCTEURS DU MACHINISME AGRICOLE	Belgium
BOULEVARD AUGUSTE REYERS 80	EU contribution: FUB 79 875
1030 BRUXELLES	
Belgium	
Activity type: Other	
Contact the organisation	
CONFEDERATION INTERNATIONALE DES BETTERAVIERS EUROPEENS	Belaium
BOULEVARD ANSPACH 111B	EU contribution: EUR 64 248
1000 BRUXELLES	
Belgium	
Activity type: Other	
Contact the organisation	



EKO KVARNER ORGANIZATION PRIMORSKA 10 51512 NJIVICE Croatia

Activity type: Other Contact the organisation

INSTITUTO TECNOLOGICO AGRARIO DE CASTILLA Y LEON Ctra.Burgos Km 119 47071 VALLADOLID Spain

Activity type: Research Organisations Contact the organisation

INNOVATION FOR AGRICULTURE ARTHUR RANK CENTRE STONELEIGH PARK CV8 2LZ KENILWORTH WARWICKSHIRE United Kingdom

Activity type: Other Contact the organisation

Last updated on 2017-08-04 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/203391_en.html © European Union, 2018 Spain **EU contribution:** EUR 101 420

United Kingdom EU contribution: EUR 211 471,25







CloseWEEE

Project ID: 641747

Funded under:

H2020-EU.3.5.4. - Enabling the transition towards a green economy and society through ecoinnovation

Integrated solutions for pre-processing electronic equipment, closing the loop of postconsumer high-grade plastics, and advanced recovery of critical raw materials antimony and graphite

From 2014-12-01 to 2018-11-30, ongoing project | CloseWEEE Website

Project details

Total cost:	Topic(s):	
EUR 5 919 277,50	WASTE-3-2014 - Recycling of raw materials from products and buildings	
EU contribution:	Call for proposal:	
EUR 5 890 660	H2020-WASTE-2014-one-stage See other projects for this call	
Coordinated in:	Funding scheme:	
Germany	RIA - Research and Innovation action	

Objective

The CloseWEEE project integrates three interlinked research and innovation areas for an improved, resource-efficient recycling of polymer materials and critical raw materials from electrical and electronics equipment (EEE):

(1) Efficient and effective disassembly of EEE is key for high quality material fractions, separation of materials but also for reuse of components and parts. An information system for dismantlers will be developed, accessing webbased dismantling instructions, to ease the dismantling process, reduce destruction of reusable parts and components and to allow for a deeper dismantling level for better economics of the Recycling process.

(2) Developing resource-efficient and innovative solutions for closing the loop of post-consumer high-grade plastics from WEEE, for new EEE through advanced recovery of valuable plastic streams which do not have a recycling system yet, and subsequent replacement of halogenated flame retardants by halogen-free flame retardants in new EEE.

(3) Improved recycling of Lithium-ion batteries through increasing the recovery rates of cobalt and researching a recovery technology for the critical raw material graphite from those batteries.

These technology innovations in the various stages of the EEE recycling value chain are complemented by research on reusing the recovered polymer fractions in new EEE, defining product design measures in favour of an optimised recycling eco-system, embedding related product design criteria in EU policy measures and global green procurement activities. These activities will support effectively the objectives of the European Innovation Partnership on Raw Materials.

Related information





FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V. HANSASTRASSE 27C EU cont 80686 MUNCHEN Germany

Activity type: Research Organisations Contact the organisation

Participants

VERTECH GROUP 11 RUE DEFLY 06000 NICE France

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

COOLREC BV FLIGHT FORUM 240 5657 DH EINDHOVEN Netherlands

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

FUNDACION GAIKER Parque Tecnologico de Zamudio, Edificio 202 48170 ZAMUDIO Spain

Activity type: Research Organisations Contact the organisation

ARGUS ADDITIVE PLASTICS GMBH OBERER WESTRING 3 7 D 33142 Büren Germany

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

ts)

EU contribution: EUR 528

Spain EU contribution: EUR 408 665

> Germany EU contribution: EUR 161 187,50

EU contribution: EUR 1 335 733,75

Page 161 of 220 Research and Innovation



EU contribution: EUR 613 125

Germany

France

Netherlands

831,25

TP Vision Belgium NV Participation ended Belgium **TECHNOLOGIEPARK ZWIJNAARDE 19 EU contribution:** EUR 67 108,75 9052 GENT Belgium Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation FUNDACION TECNALIA RESEARCH & INNOVATION Spain PARQUE CIENTIFICO Y TECNOLOGICO DE GIPUZKOA PASEO MIKELETEGI 2 EU contribution: EUR 316 750 20009 DONOSTIA SAN SEBASTIAN Spain Activity type: Research Organisations Contact the organisation EXERGY LTD United Kingdom PUMA WAY THE TECHNOCENTRE COVENTRY EU contribution: EUR 430 116,25 CV1 2TT COVENTRY United Kingdom Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation **IFIXIT GMBH** Germany **TRANKESTRASSE 7** EU contribution: EUR 394 997.50 70597 STUTTGART Germany Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation ACCUREC-RECYCLING GMBH Germany **BATAVERSTR 21** EU contribution: EUR 964 487,50 47809 KREFELD Germany Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation DIE WIENER VOLKSHOCHSCHULEN GMBH Austria LUSTKANDLGASSE 50 EU contribution: EUR 236 516,25 1090 WIEN Austria Activity type: Other Contact the organisation



SITRAPLAS GMBH MAYBACHSTRASSE 23 32257 BUNDE Germany

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

PHILIPS CONSUMER LIFESTYLE B.V. HIGH TECH CAMPUS 37 5656 AE EINDHOVEN Netherlands Netherlands

EU contribution: EUR 206 891,25

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2017-08-04 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/193849_en.html © European Union, 2018







PLUG-N-HARVEST

Project ID: 768735

Funded under:

H2020-EU.2.1.5.2. - Technologies enabling energy-efficient systems and energy-efficient buildings with a low environmental impact

PLUG-N-play passive and active multi-modal energy HARVESTing systems, circular economy by design, with high replicability for Self-sufficient Districts Near-Zero Buildings

From 2017-09-01 to 2021-11-30, ongoing project

Project details

Total cost:	Topic(s):	
EUR 6 896 147,50	EEB-07-2017 - Integration of energy harvesting at building and district level	
EU contribution:	Call for proposal:	
EUR 5 993 466,25	H2020-EEB-2017 See other projects for this call	
Coordinated in:	Funding scheme:	
Greece	IA - Innovation action	

Objective

Conventional Retrofitting (CR) can result in high energy use reductions at the expense of high installation costs and, usually, without being able to directly perform harvesting from Renewable Energy Sources (RES). Building Automation (BA) systems, as compared to CR, can result in medium energy use reductions and in low or medium harvesting from RES at the expense of medium installation costs and medium operational costs. Recently, the concept of Adaptable/Dynamic Building Envelopes (ADBE) - such as Multifunctional Façade Modules - has been proposed towards overcoming many of the shortcomings of CR and BA. ADBE systems can result in high energy use reductions and high harvesting from RES at the expense of medium-tohigh installation costs and medium operational costs. The main strategic goal of the PLUG-N-HARVEST proposal is to design, develop, demonstrate and exploit a new modular, plug-n-play concept/product for ADBE - deployable to both residential and non-residential buildings - which is able to provide high (maximum possible) energy use reductions and high (maximum possible) energy harvesting from RES both at the single-building and the district scale while requiring medium-to-low installation costs and almost-zero operational costs. Moreover, by appropriately exploiting its attributes, the PLUG-N-HARVEST system will be designed and implemented considering circular economy principles, which will allow implementing new business models based on leasing and renting modes and, by this, leaving the door open to massive implementations. Four different multi-building Pilots - in Germany, Spain, Greece and the U.K. - will be used for demonstrating the use of the integrated PLUG-N-HARVEST system in full-scale, on a 24/7 basis and for a long period. The Pilots involve buildings with all different kinds of energetic, thermal and occupants' interactions, home occupants of highly diverse behaviour and background and include both residential and non-residential buildings.



ETHNIKO KENTRO EREVNAS KAI TECHNOLOGIKIS ANAPTYXIS CHARILAOU THERMI ROAD 6 KM **57001 THERMI THESSALONIKI** Greece

Activity type: Research Organisations Contact the organisation

Participants

RHEINISCH-WESTFAELISCHE TECHNISCHE HOCHSCHULE AACHEN **TEMPLERGRABEN 55 52062 AACHEN** Germany

Activity type: Higher or Secondary Education Establishments Contact the organisation

CARDIFF UNIVERSITY **NEWPORT ROAD 30-36** CF24 ODE CARDIFF United Kingdom

Activity type: Higher or Secondary Education Establishments Contact the organisation

ALOUMYL, BIOMICHANIA ALOUMINIOY ANONIMI ETAIRIA KILKIS INDUSTRIAL AREA 61100 KILKIS Greece

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

SISTEMES AVANCATS DE ENERGIA SOLAR TERMICA SCCL - AIGUASOL CALLE ROGER DE LLURIA 29 - 3R 2E EU contribution: EUR 393 750 08009 BARCELONA Spain

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Greece EU contribution: EUR 1 178 750

Germany EU contribution: EUR 1 263 125

United Kingdom EU contribution: EUR 399 085

EU contribution: EUR 280 350

Greece

Spain



ODIN SOLUTIONS S.L. Calle Peru 5, Planta 3 Puerta 5 - Poligono Industrial Oeste - Edificio Forum 30820 ALCANTARILLA Spain	Spain EU contribution: EUR 250 468,75
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establish Contact the organisation	nments)
SIEMENS SRL BDUL PRECIZIEI 24 IMOBIL H3 ETAJ 3-5 SECTOR 6 062204 BUCURESTI Romania	Romania EU contribution: EUR 282 625
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establish Contact the organisation	nments)
ETRA INVESTIGACION Y DESARROLLO SA CALLE TRES FORQUES 147 46014 VALENCIA Spain	Spain EU contribution: EUR 401 625
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establish Contact the organisation	nments)
ENERGY TRANSITIONS LIMITED CONQUER HALL HEN-DOMEN SY15 6HA MONTGOMERY United Kingdom	United Kingdom EU contribution: EUR 307 125
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establish Contact the organisation	nments)
ECO INTELLIGENT GROWTH, SL AMPOSTA, 14-18 PB 2 08174 SANT CUGAT DEL VALLES Spain	Spain EU contribution: EUR 190 312,50
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establish Contact the organisation	nments)
AGENCIA DE L'HABITATGE DE CATALUNYA CALLE DE LA DIPUTACIO 92 08015 BARCELONA Spain	Spain EU contribution: EUR 357 500
Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Ed Contact the organisation	ducation Establishments)



PERIFIERIA DYTIKHS MAKEDONIAS Periohi ZEP 50100 KOZANI Greece

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

COUNTY COUNCIL OF THE CITY AND COUNTY OF CARDIFF COUNTY HALL ATLANTIC WHARF CF10 4UW CARDIFF United Kingdom United Kingdom **EU contribution:** EUR 383 750

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

Last updated on 2017-08-05 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/211287_en.html

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NUOVOpb

Project ID: 777780

Funded under:

H2020-EU.2.3.1. - Mainstreaming SME support, especially through a dedicated instrument H2020-EU.3.5. - SOCIETAL CHALLENGES - Climate action, Environment, Resource Efficiency and Raw Materials

A unique Lead Acid Battery (LAB) recycling technology to reduce CO2 emissions by 89%, reduce waste by 81%, and transform the battery recycling industry

From 2017-08-01 to 2019-01-31, ongoing project

Project details

Total cost:	Topic(s):	
EUR 1 863 000	SMEInst-11-2016-2017 - Boosting the potential of small businesses in the areas	
EU contribution:	of climate action, environment, resource efficiency and raw materials	
EUR 1 304 100	Call for proposal:	
Coordinated in:	H2020-SMEINST-2-2016-2017 See other projects for this call	
United Kingdom	Funding scheme:	
	SME-2 - SME instrument phase 2	

Objective

Lead Acid Batteries (LABs) are a vital and widely-used technology. The global LAB market is expected to grow by 59% to €71.6 billion by 2022 with Europe accounting for the second largest market share. Waste LAB recycling rates are as high as 95% in Europe, but the current recycling process - smelting waste LABs in a furnace - consumes vast quantities of energy, is highly polluting, wasteful, large scale and expensive. Furthermore, smelted lead must be further processed to produce the essential LAB ingredient: the active lead oxide paste. A new lead recycling process is needed that is energy efficient, non-polluting, low cost, scalable and produces LAB-ready lead products. Such process would meet EC priorities by addressing resource efficiency, the sustainable supply of raw materials and drive the circular economy. AEL has developed a novel hydrometallurgical process technology to recycle waste LABs in a highly energy efficient, non-polluting and cost effective way. NUOVOpb's commercial appeal lies in its low cost and scalability, and our ground-breaking ability to produce LAB-ready products that exceed the performance of current products on the market. Our LAB-ready paste can create new LABs with 22% greater energy capacity and 50% longer life. The technology has the potential to transform the global battery recycling industry, which has an expected value of €9.5 billion in 2024. 5 years post project, we expect to be operating 18 NUOVOpb facilities across the world. These will be processing 490,000 tonnes of waste LABs (6% of the global waste LAB market) and avoiding 196,000 tonnes CO2 emissions every year. In doing so, AEL will secure annual revenues of €206 million, profits of €54 million, and will have created 200 jobs within AEL. NUOVOpb is the most complete closed-loop recycling system in the world, providing significant commercial opportunities for businesses in both the LAB recycling and LAB manufacturing supply chain, globally.



AURELIUS ENVIRONMENTAL LTD INGLESIDE 233 ALCESTER ROAD B13 8PY BIRMINGHAM United Kingdom

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2017-08-08 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/211707_en.html © European Union, 2018

United Kingdom EU contribution: EUR 1 304 100







HISER

Project ID: 642085

Funded under:

H2020-EU.3.5.4. - Enabling the transition towards a green economy and society through ecoinnovation

Holistic Innovative Solutions for an Efficient Recycling and Recovery of Valuable Raw Materials from Complex Construction and Demolition Waste

From 2015-02-01 to 2019-01-31, ongoing project | HISER Website

Project details

Total cost:	Topic(s):	
EUR 7 665 262,50	WASTE-3-2014 - Recycling of raw materials from products and buildings	
EU contribution:	Call for proposal:	
EUR 7 511 870	H2020-WASTE-2014-one-stage See other projects for this call	
Coordinated in:	Funding scheme:	
Spain	RIA - Research and Innovation action	

Objective

EU28 currently generates 461 million tons per year of ever more complex construction and demolition waste (C&DW) with average recycling rates of around 46%. There is still a significant loss of potential valuable minerals, metals and organic materials all over Europe.

The main goal of HISER project is to develop and demonstrate novel cost-effective technological and non-technological holistic solutions for a higher recovery of raw materials from ever more complex C&DW, by considering circular economy approaches throughout the building value chain (from the End-of-Life Buildings to new Buildings). The following solutions are proposed: - Harmonized procedures complemented with an intelligent tool and a supply chain tracking system, for highly-efficient sorting at source in demolition and refurbishment works.

- Advanced sorting and recycling technologies for the production and automated quality assessment of high-purity raw materials from complex C&DW.

- Development of optimized building products (low embodied energy cements, green concretes, bricks, plasterboards and gypsum plasters, extruded composites) through the partial replacement of virgin raw materials by higher amounts of secondary high-purity raw materials recovered from complex C&DW.

These solutions will be demonstrated in demolition projects and 5 case studies across Europe. Moreover, the economic and environmental impact of the HISER solutions will be quantified, from a life cycle perspective (LCA/LCC), and policy and standards recommendations encouraging the implementation of the best solutions will be drafted.

HISER will contribute to higher levels of recovered materials from C&DW from 212 Mt in 2014, to 359 Mt in 2020 and 491 Mt by ca. 2030, on the basis of the increase in the recovery of aggregates, from 40% (169 Mt) to more than 80% (394 t) and wood, from 31% (2.4 Mt) to 55% (5 Mt);. Similarly, unlocking valuable raw materials currently not exploited is foreseen, namely some metals and emerging flows.

Related information

Report Summaries

Periodic Reporting for period 2 - HISER (Holistic Innovative Solutions for an Efficient Recycling and Recovery of Valuable Raw Materials from Complex Construction and Demolition Waste)



FUNDACION TECNALIA RESEARCH & INNOVATION PARQUE CIENTIFICO Y TECNOLOGICO DE GIPUZKOA PASEO MIKELETEGI 2 20009 DONOSTIA SAN SEBASTIAN Spain

Activity type: Research Organisations Contact the organisation

Participants

ACCIONA CONSTRUCCION SA AVENIDA DE EUROPA 18 PARQUE EMPRESARIAL 28108 ALCOBENDAS Spain

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Groupe Archimen France France 2000 Dijon France 562,50

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

ASM CENTRUM BADANI I ANALIZ RYNKU SP ZOO UL. GRUNWALDZKA 5 99 301 KUTNO Poland

Activity type: Research Organisations Contact the organisation

Conenor Oy KAITILANTIE 30 16300 ORIMATTILA Finland

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation



Spain EU contribution: EUR 402 812,50

nts)

Poland **EU contribution:** EUR 218 250

Finland EU contribution: EUR 264 887,50

Page 171 of 220 Research and Innovation VIA SAN NAZARO 19 EU contribution: EUR 165 000 16145 GENOVA Italy Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation DUMOULIN BRICKS Belgium **MOORSEELSESTEENWEG 239** EU contribution: EUR 182 133,75 8800 ROESELAERE Belgium Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation Inashco R&D B.V [] Participation ended Netherlands Stevinweg 1 **EU contribution:** EUR 0 2600 AP DELFT Netherlands Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation KNAUF GMBH Germany AM BAHNHOF 7 EU contribution: EUR 431 765 97346 IPHOFEN Germany Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation KS LAATUENERGIA OY Finland **ASEMATIE 11** EU contribution: EUR 160 312,50 44800 Pihtipudas Finland Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation LAFARGE CENTRE DE RECHERCHE SAS France **RUE DU MONTMURIER 95** EU contribution: EUR 355 000 38070 SAINT QUENTIN FALLAVIER France Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

RINA CONSULTING SPA



MEBIN BV **PETTELAARPARK 30** 5216 PD S HERTOGENBOSCH Netherlands

Contact the organisation

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

RINA SERVICES SPA Italy **VIA CORSICA 12** 16128 GENOVA Italy Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation **RTT STEINERT GMBH** Germany **HIRSCHFELDER RING 9** EU contribution: EUR 334 687,50 02763 ZITTAU Germany Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation STRUKTON CIVIEL BV Netherlands WESTKANAALDIJK 2 EU contribution: EUR 379 3542 DA UTRECHT Netherlands Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation **TIIHONEN ISMO** Finland SAAHKARINTIE 176 **EU contribution:** EUR 163 312,50 77700 RAUTALAMPI Finland Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation CONFEDERATION NATIONALE DE LA CONSTRUCTION ASBL Belgium RUE DU LOMBARD 34-42 EU contribution: EUR 235 625 **1000 BRUXELLES** Belgium Activity type: Other



EU contribution: EUR 128 625

582,50

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SOCIEDAD PUBLICA DE GESTION AMBIENTAL IHOBE SA ALAMEDA DE URQUIJO 36-6 48011 BILBAO Spain

BUREAU DE RECHERCHES GEOLOGIQUES ET MINIERES	France
3 AV CLAUDE GUILLEMIN	EU contribution: EUR 306 025
45060 ORLEANS	
France	
Activity type: Research Organisations	
Contact the organisation	
UNIVERSITEIT LEIDEN	Netherlands
RAPENBURG 70	FII contribution: FUB 294
2311 EZ LEIDEN	681,25
Netherlands	
Activity type: Higher or Secondary Education Establishments	
Contact the organisation	
FUNDACION GAIKER	Spain
Parque Tecnologico de Zamudio, Edificio 202	EU contribution: FUB 199 830
48170 ZAMUDIO	
Spain	
Activity type: Research Organisations	
Contact the organisation	
TECHNISCHE UNIVERSITEIT DELET	Netherlands
STEVINWEG 1	Ell contribution: EUR 691 210
2628 CN DELFT	
Netherlands	

Activity type: Higher or Secondary Education Establishments Contact the organisation

VLAAMSE INSTELLING VOOR TECHNOLOGISCH ONDERZOEK N.V. **BOERETANG 200** 2400 MOL Belgium

Activity type: Research Organisations Contact the organisation

Belgium EU contribution: EUR 537 502,50

Page 174 of 220 Research and Innovation

Teknologian tutkimuskeskus VTT Oy VUORIMIEHENTIE 3 02150 Espoo Finland

Activity type: Research Organisations Contact the organisation

TEKNOLOGIAN TUTKIMUSKESKUS VTT Participation ended

TEKNIIKANTIE 4 A 02044 VTT ESPOO Finland

Activity type: Research Organisations Contact the organisation

SELFRAG AG BIBERENZELGLI 18 3210 KERZERS Switzerland

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

ADR TECHNOLOGY BV MEKELWEG 4 2628 CD DELFT Netherlands

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2017-08-08 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/196611_en.html © European Union, 2018

Finland EU contribution: EUR 0

EU contribution: EUR 0

Switzerland

Netherlands EU contribution: EUR 203 750







SmartWASTE

Project ID: 724613
Funded under:
H2020-EU.2.1.1. - INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies - Information and Communication Technologies (ICT)
H2020-EU.2.3.1. - Mainstreaming SME support, especially through a dedicated instrument
H2020-EU.3.4. - SOCIETAL CHALLENGES - Smart, Green And Integrated Transport

Smart logistics for WASTE and recycling operations in European cities

From 2016-06-01 to 2019-05-31, ongoing project | SmartWASTE Website

Project details

Total cost:	Topic(s):
EUR 2 100 449,56	SMEInst-10-2016-2017 - Small business innovation research for Transport and
EU contribution:	Smart Cities Mobility
EUR 1 470 314,70	Call for proposal:
Coordinated in:	H2020-SMEINST-2-2016-2017 See other projects for this call
Finland	Funding scheme:
	SME-2 - SME instrument phase 2

Objective

The key problem in waste collection today is static routes and schedules: truck drivers are driving "blindly" from bin to bin and collecting containers that are either half empty or over filled. This adds up to a large amount of unnecessary costs, such as time spent, gas consumption and greenhouse gas emissions. Globally, over 400 million waste containers are being served by millions of trucks every day, and 50 % of the value in the market is in the logistics. Enevo is a growing Finnish technology company that aims to capitalise on this 12-billion-euro business opportunity and become the #1 supply chain platform company for waste and recycling operations worldwide.

As waste management plays a central role in the circular economy, Enevo is a key player in developing more efficient waste collection and management systems. Enevo helps its customers make their waste and recycling operations more efficient, leading to a more sustainable world. Enevo's vision is to turn all waste in the world into a valued resource.

SmartWASTE project is addressing two significant EU-wide challenges:

1) Optimising transport operations and tackling the environmental and logistical challenges that the European transport sector is facing

2) Waste management in the circular economy context.

The objective of SmartWASTE proposal is to scale-up and expand the service into new European regions by piloting the solution with potential customers in 10 large scale pilots. Through piloting, Enevo gains important feedback that is provided back to product development to improve Enevo's offering and operations to be better suited for large scale regional expansion.

The proposal's activities aim at creating a solid foundation for Enevo's successful business in European market and accelerate its expansion globally. Enevo is targeting, by 2021, to generate a revenue of 916 M€ and employ 1 500 people globally of which 1 000 will be in Europe.

Related information



Report Summaries

Coordinator

ENEVO OY LINNOITUSTIE 6 02600 ESPOO Finland

Finland EU contribution: EUR 1 470 314,70

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2017-08-17 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/204352_en.html © European Union, 2018







SMART-Plant

Project ID: 690323

Funded under:

H2020-EU.3.5.4. - Enabling the transition towards a green economy and society through ecoinnovation

Scale-up of low-carbon footprint material recovery techniques in existing wastewater treatment plants

From 2016-06-01 to 2020-05-31, ongoing project | SMART-Plant Website

Project details

Total cost:	Topic(s):	
EUR 9 768 806,09	WATER-1b-2015 - Demonstration/pilot activities	
EU contribution:	Call for proposal:	
EUR 7 536 300,02	H2020-WATER-2015-two-stage See other projects for this call	
Coordinated in:	Funding scheme:	
Italy	IA - Innovation action	

Objective

SMART-Plant will scale-up in real environment eco-innovative and energy-efficient solutions to renovate existing wastewater treatment plants and close the circular value chain by applying low-carbon techniques to recover materials that are otherwise lost. 7+2 pilot systems will be optimized fore > 2 years in real environment in 5 municipal water treatment plants, inclunding also 2 post-processing facilities. The systems will be authomatised with the aim of optimizing wastewater treatment, resource recovery, energy-efficiency and reduction of greenhouse emissions. A comprehensive SMART portfolio comprising biopolymers, cellulose, fertilizersand intermediates will be recovered and processed up to the final commercializable endproducts. The integration of resource recovery assets to system-wide asset management programs will be evaluated in each site following the resource recovery paradigm for the wastewater treatment plant of the future, enabled through SMART-Plant solutions. The project will prove the feasibility of circular management of urban wastewater and environmental sustainability of the systems, to be demonstrated through Life Cycle Assessment and Life Cycle Costing approaches to prove the global benefit of the scaled-up water solutions. Dynamic modeling and superstructure framework for decision support will be developed and validated to identify the optimum SMART-Plant system integration options for recovered resources and technologies. Global market deployment will be achieved as right fit solution for water utilities and relevant industrial stakeholders, considering the strategic implications of the resource recovery paradigm in case of both public and private water management. New public-private partnership models will be explored connecting the water sector to the chemical industry and its downstream segments such as the contruction and agricultural sector, thus generating new opportunities for funding, as well as potential public-private competition.

Related information

Report Summaries

Periodic Reporting for period 1 - SMART-Plant (Scale-up of low-carbon footprint material recovery techniques in existing wastewater treatment plants)



UNIVERSITA POLITECNICA DELLE MARCHE PIAZZA ROMA 22 60121 ANCONA Italy

Activity type: Higher or Secondary Education Establishments Contact the organisation

Participants

UNIVERSITA DEGLI STUDI DI ROMA LA SAPIENZA Piazzale Aldo Moro 5 00185 ROMA Italy

Activity type: Higher or Secondary Education Establishments Contact the organisation

BRUNEL UNIVERSITY LONDON KINGSTON LANE UB8 3PH UXBRIDGE United Kingdom

Activity type: Higher or Secondary Education Establishments Contact the organisation

CRANFIELD UNIVERSITY College Road MK43 0AL CRANFIELD - BEDFORDSHIRE United Kingdom

Activity type: Higher or Secondary Education Establishments Contact the organisation

UNIVERSITAT AUTONOMA DE BARCELONA CAMPUS DE LA UAB BELLATERRA 08193 CERDANYOLA BARCELONA Spain

Activity type: Higher or Secondary Education Establishments Contact the organisation Italy EU contribution: EUR 142 500

> United Kingdom EU contribution: EUR 666 066,25

United Kingdom EU contribution: EUR 467 375

Spain EU contribution: EUR 459 455



FUNDACIO UNIVERSITARIA BALMES Spain **CARRER PEROT ROCAGUINARDA 17** EU contribution: EUR 331 160 08500 VIC BARCELONA Spain Activity type: Higher or Secondary Education Establishments Contact the organisation NATIONAL TECHNICAL UNIVERSITY OF ATHENS - NTUA Greece HEROON POLYTECHNIOU 9 ZOGRAPHOU CAMPUS EU contribution: EUR 306 875 **15780 ATHINA** Greece Activity type: Higher or Secondary Education Establishments Contact the organisation KWB KOMPENTENTZZENTRUM WASSER BERLIN GEMEINNUTZIGE GMBH Germany **CICEROSTRASSE 24 EU contribution:** EUR 291 282,50 10709 BERLIN Germany Activity type: Research Organisations Contact the organisation BIOTREND - INOVACAO E ENGENHARIA EM BIOTECNOLOGIA SA Portugal **BIOCANT PARK NUCLEO 4 LOTE 2** EU contribution: EUR 223 475 3060 197 CANTANHEDE Portugal Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation SOCAMEX SA Spain CL COBALTO PARCELA 213 POLIGONO INDUSTRIAL SAN CRISTOBAL EU contribution: EUR 56 000 47012 VALLADOLID Spain Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation BYK ADDITIVES LIMITED United Kingdom MOORFIELD ROAD EU contribution: EUR 76 685 WA8 3AA WIDNES CHESHIRE United Kingdom Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation


POZZATO PIERPAOLO Participation ended Italy VIA DANTE 46/8 **EU contribution:** EUR 0 36031 DUEVILLE Italy Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation AGROBICS LTD Israel THE GALILEE SOCIETY BUILDING ST 79 (HAIFA NAZARETH ST) **EU contribution:** EUR 415 296,88 20200 SHEFA AMR Israel Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation SALSNES FILTER AS Norway VERFTSGT 11 **EU contribution:** EUR 291 506,25 **7801 NAMSOS** Norway Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation INSTITUTO DE BIOLOGIA EXPERIMENTAL E TECNOLOGICA Portugal AVENIDA DA REPUBLICA QUINTO DO MARQUES EU contribution: EUR 314 790 2781 901 OEIRAS Portugal Activity type: Research Organisations Contact the organisation ETAIREIA YDREYSEOS KAI APOCHETEFSEOS PROTEYOYSIS ANONIMI ETAIREIA Greece **OROPOU - GALATSI 156** EU contribution: EUR 129 500 11146 ATHINA Greece Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation ALTO TREVIGIANO SERVIZI SRL Italy **VIA SCHIAVONESCA PRIULA 86 EU contribution:** EUR 315 313,25 31044 MONTEBELLUNA Italy Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation



MEKOROT WATER COMPANY LIMITED Lincoln Street 9 61201 TEL AVIV Israel

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Aigues de Manresa, S.A. Spain Plana de l'Om, 6 EU contribution: EUR 134 443,75 08241 Manresa Spain Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation CIRTEC BV Netherlands **NIJVERHEIDSWEG 10** EU contribution: EUR 473 830 1442 LD PURMEREND Netherlands Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)

EXECON PARTNERS GMBH Participation ended

RATHAUSSTRASSE 14 6340 BAAR Switzerland

Contact the organisation

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

SEVERN TRENT WATER LIMITED SEVERN TRENT CENTRE 2 ST JOHNS STREET CV1 2LZ COVENTRY United Kingdom

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

AKTOR TECHNICAL AE	Greece
ERMOU ODOS 25	EU contribution: EUR 187 250
14564 KIFISIA	
Greece	

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Switzerland EU contribution: EUR 0

United Kingdom EU contribution: EUR 64 050



VANNPLASTIC LTD Participation ended United Kingdom ABENBURY WAY UNIT 13 WREXHAM 3 **EU contribution:** EUR 0 LL13 9UZ WREXHAM United Kingdom Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation WELLNESS SMART CITIES SLU Spain CHARLES DARWIN SN EU contribution: EUR 170 012,50 41092 SEVILLA Spain Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation INNOEXC GMBH Switzerland **BELLARIASTRASSE 7 EU contribution:** EUR 0 8002 ZURICH Switzerland Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation SCAE SRL Italy VIA MATTEI 7/B EU contribution: EUR 287 183.64 36031 DUEVILLE VI Italy Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation SPECIALIST BUILDING PRODUCTS LIMITED United Kingdom UNIT 1B STRATFORD COURT CRANMORE BOULEVARD EU contribution: EUR 356 125 **B90 4QT SOLIHULL** United Kingdom Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation UNIVERSITA DEGLI STUDI DI VERONA Italv **VIA DELL ARTIGLIERE 8** EU contribution: EUR 559 755 37129 VERONA Italy Activity type: Higher or Secondary Education Establishments Contact the organisation Last updated on 2017-08-17 Retrieved on 2018-07-19



Permalink: https://cordis.europa.eu/project/rcn/203273_en.html © European Union, 2018







RESLAG

Project ID: 642067

Funded under:

H2020-EU.3.5.4. - Enabling the transition towards a green economy and society through ecoinnovation

Turning waste from steel industry into a valuable low cost feedstock for energy intensive industry

From 2015-09-01 to 2019-02-28, ongoing project | RESLAG Website

Project details

Total cost:	Topic(s):	
EUR 9 657 038,11	WASTE-1-2014 - Moving towards a circular economy through industrial	
EU contribution:	symbiosis	
EUR 8 022 006,68	Call for proposal:	
Coordinated in:	H2020-WASTE-2014-two-stage See other projects for this call	
Spain	Funding scheme:	
	IA - Innovation action	

Objective

The RESLAG project proposal is aligned with the challenges outlined in the call WASTE-1-2014: Moving towards a circular economy through industrial symbiosis.

In 2010, the European steel industry generated, as waste, about 21.8 Mt of steel slag. The 76 % of the slag was recycled in applications such as aggregates for construction or road materials, but these sectors were unable to absorb the total amount of produced slag. The remaining 24 % was landfilled (2.9 Mt) or self-stored (2.3 Mt). The landfilled slag represents a severe environmental problem.

The main aim of RESLAG is to prove that there are industrial sectors able to make an effective use of the 2.9 Mt/y of landfilled slag, if properly supported by the right technologies. In making this prof, the RESLAG project will also prove that there are other very important environmental benefits coming from an "active" use of the slag in industrial processes, as CO2 saving (up to 970 kt/y from CSP applications, at least 71 kg/ton of produced steel from heat recovery applications), and elimination of negative impacts associated with mining (from the recovery of valuable metals and from the production of ceramic materials). To achieve this ambitious goal four large-scale demonstrations to recycle steel slag are considered: Extraction of non-ferrous high added metals; TES for heat recovery applications; TES to increase dispatchability of the CSP plant electricity; Production of innovative refractory ceramic compounds.

Overall, the RESLAG project aims at an innovative organizational steel by-products management model able to reach high levels of resource and energy efficiency, which considers a cascade of upgrading processes and a life cycle perspective. All these demonstrations will be lead by the industries involved in the RESLAG consortium. The RESLAG project is supported by the main organizations representing energy-intensive industries, CSP sector, energy platforms, governments, etc.

Related information

Report Summaries

Periodic Reporting for period 1 - RESLAG (Turning waste from steel industry into a valuable low cost feedstock for energy intensive industry)



Coordinator

CENTRO DE INVESTIGACION COOPERATIVADE ENERGIAS ALTERNATIVAS FUNDACION CALLE ALBERT EINSTEIN 48 PARQUE TECNOLOGICO DE ALAVA 01510 MINANO Spain

Activity type: Research Organisations Contact the organisation

Participants

ARCELORMITTAL SESTAO SL Calle Chavarri 6 48910 Sestao Spain

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

DEUTSCHES ZENTRUM FUER LUFT - UND RAUMFAHRT EV Linder Hoehe 51147 KOELN Germany

Activity type: Research Organisations Contact the organisation

CASA MARISTAS AZTERLAN ALIENDALDE AUZUNEA 6 48200 DURANGO Spain

Activity type: Research Organisations Contact the organisation

EIDGENOESSISCHE TECHNISCHE HOCHSCHULE ZUERICH Raemistrasse 101 8092 ZUERICH Switzerland

Activity type: Higher or Secondary Education Establishments Contact the organisation Spain EU contribution: EUR 1 179 397,75

Spain EU contribution: EUR 99 575

Germany EU contribution: EUR 845 652,50

Spain EU contribution: EUR 624 962,50

Switzerland EU contribution: EUR 0



IMPERIAL COLLEGE OF SCIENCE TECHNOLOGY AND MEDICINE United Kingdom SOUTH KENSINGTON CAMPUS EXHIBITION ROAD **EU contribution:** EUR 372 983,75 SW7 2AZ LONDON United Kingdom Activity type: Higher or Secondary Education Establishments Contact the organisation FRIEDRICH-ALEXANDER-UNIVERSITAET ERLANGEN NUERNBERG Germany SCHLOSSPLATZ 4 EU contribution: EUR 257 250 91054 ERLANGEN Germany Activity type: Higher or Secondary Education Establishments Contact the organisation COMMISSARIAT A L ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES France **RUE LEBLANC 25 EU contribution:** EUR 728 089,43 75015 PARIS 15 France Activity type: Research Organisations Contact the organisation HLG MANAGEMENT France 26 RUE DULONG EU contribution: EUR 244 525 75017 PARIS France Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation AGENZIA NAZIONALE PER LE NUOVE TECNOLOGIE, L'ENERGIA E LO SVILUPPO ECONOMICO Italy SOSTENIBILE LUNGOTEVERE GRANDE AMMIRAGLIO THAON DI REVEL 76 EU contribution: EUR 1 078 125 000196 ROMA Italy Activity type: Research Organisations Contact the organisation Finland Teknologian tutkimuskeskus VTT Oy **VUORIMIEHENTIE 3** EU contribution: EUR 688 406 02150 Espoo Finland Activity type: Research Organisations Contact the organisation



TAPOJARVI OY Finland LAIVURINKATU 2-4 C 32 **EU contribution:** EUR 0 95400 TORNIO Finland Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation ALSTOM POWER SYSTEMS France 204 ROND-POINT DU PONT DE SEVRES EU contribution: EUR 280 350 92100 BOULOGNE-BILLANCOURT France Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V. Germany HANSASTRASSE 27C EU contribution: EUR 272 850 **80686 MUNCHEN** Germany Activity type: Research Organisations Contact the organisation LIFE CYCLE ENGINEERING SRL Italy **VIA TENENTE MORELLO 13** EU contribution: EUR 264 337.50 10081 CASTELLAMONTE Italy Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation MOROCCAN AGENCY FOR SOLAR ENERGY SA Morocco AVENUE MOHAMED BEN HASSEN EL OUAZZANI STATION DE TRAITEMENT BP RABAT CHELLAHEU contribution: EUR 194 600 10002 RABAT Morocco Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation ZABALA INNOVATION CONSULTING, S.A. Participation ended Spain PASEO SANTXIKI 3 BIS EU contribution: EUR 0 31192 MUTILVA ALTA NAVARRA Spain Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

NOVARGI INDUSTRIES SL CALLE PORTAL DE GAMARRA 1 - OFICINA 311 (EDIFICIO DEBA) 01013 VICTORIA Spain

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

GENERAL ELECTRIC (SWITZERLAND) GMBH BROWN BOVERI STRASSE 7 5401 BADEN Switzerland

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

HASTEN VENTURES AIE POLIG PARQUE TECNOLOGICO DE BIZKAIA 804 48160 DERIO Spain

Activity type: Other Contact the organisation

RENOTECH OY
SAMPSANKATU 4 B
20520 TURKU
Finland

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2017-08-17 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/196819_en.html © European Union, 2018

414,75

EU contribution: EUR 105

Spain

Finland EU contribution: EUR 232 575

Switzerland EU contribution: EUR 0

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CRESTING

Project ID: 765198

Funded under: H2020-EU.1.3.1. - Fostering new skills by means of excellent initial training of researchers

CiRcular Economy: SusTainability Implications and guidING progress

From 2018-01-01 to 2021-12-31, ongoing project

Project details

Total cost:	Topic(s):	
EUR 3 854 797,56	MSCA-ITN-2017 - Innovative Training Networks	
EU contribution:	Call for proposal:	
EUR 3 854 797,56	H2020-MSCA-ITN-2017 See other projects for this call	
Coordinated in:	Funding scheme:	
United Kingdom	MSCA-ITN-ETN - European Training Networks	

Objective

CRESTING will train Early Stage Researchers (ESR) in cutting edge systematic analysis of the process of transformation to a Circular Economy (CE). Establishing a CE (such that the maximum value is extracted from materials and waste generation minimised) is a major policy area within the European Union and elsewhere. Explicitly seen as increasing economic competitiveness and laying a foundation for environmental employment, CE policies are designed to increase resource efficiency and decrease carbon dependency. Previous and ongoing research into the CE, however, has been largely concerned with strategies for implementation. The many different fields of activity comprising the CE (e.g., re-use, recovery, recycling, eco-design amongst others) operate with varying degrees of effectiveness in different places and for different materials. These fields of activity have not been critically analysed as an interrelated social, technical, environmental and, significantly, spatial phenomenon. This programme will advance the critical analysis of the concept and sustainability implications of the CE by the training of 15 ESR analysing CE-related activity and initiatives in a range of geographic and economic settings. CRESTING is divided between 5 work packages (WP) analysing: current discourse and policy contexts (WP1); corporate engagement with the CE (WP2); public sector engagement in the CE (WP3); the potential for local economic development and employment from the CE (WP4); and measuring life cycle impacts and developing sustainability indicators relevant to the CE (WP5). With multidisciplinary and international supervisory teams including non-academic partners within each WP, CRESTING will 1) analyse the sustainability implications of the CE; 2) analyse the spatial dimension of the CE and 3) translate these analyses into specific actions for managing the transformation to the CE.

Coordinator

UNIVERSITY OF HULL COTTINGHAM ROAD HU6 7RX HULL United Kingdom United Kingdom

EU contribution: EUR 819 863,64

Activity type: Higher or Secondary Education Establishments Contact the organisation



Participants

NOVA ID FCT - ASSOCIACAO PARA A INOVACAO E DESENVOLVIMENTO DA FCT CAMPUS DE CAPARICA FACULDADE DE CIENCIAS E TECNOLOGIA DA UNIVERSIDADE NOVA DE LISBOA 2829 516 CAPARICA Portugal

Activity type: Research Organisations Contact the organisation

UNIVERSIDADE ABERTA RUA DA ESCOLA POLITECNICA 147 1269 001 LISBOA Portugal

Activity type: Higher or Secondary Education Establishments Contact the organisation

UNIVERSITEIT UTRECHT HEIDELBERGLAAN 8 3584 CS UTRECHT Netherlands

Activity type: Higher or Secondary Education Establishments Contact the organisation

UNIVERSITAET GRAZ UNIVERSITATSPLATZ 3 8010 GRAZ Austria

Activity type: Higher or Secondary Education Establishments Contact the organisation

UNIVERSITE DE TECHNOLOGIE DE TROYES RUE MARIE CURIE 12 10004 TROYES France

Activity type: Higher or Secondary Education Establishments Contact the organisation

UNIVERSITA DEGLI STUDI DI MESSINA PIAZZA PUGLIATTI 1 98122 MESSINA Italy

Activity type: Higher or Secondary Education Establishments Contact the organisation Portugal EU contribution: EUR 238 356,36

Netherlands

EU contribution: EUR 766 122,84

Austria

EU contribution: EUR 511 868,16

France EU contribution: EUR 525 751,20

Italy EU contribution: EUR 258 061,32



Portugal

EU contribution: EUR 476 712.72

Activity type: Higher or Secondary Education Establishments Contact the organisation

Partner organisations

THE WASTE AND RESOURCES ACTION PROGRAMME 2ND FLOOR BLENHEIM COURT 19 GEORGE STREET OX16 5BH BANBURY OXFORDSHIRE United Kingdom

Activity type: Other Contact the organisation

Rijkswaterstaat (Ministry of Environment and Infrastructure) Brussels Netherlands

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

NANJINGChinaUNIVERSITYHANKOU ROAD 22210093 NANJINGChinaActivity type: Higher or Secondary Education EstablishmentsContact the organisation

University of Ibadan 1 OYO ROAD, AGBOWO 200005 IBADAN Nigeria

> Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

United Kingdom

Netherlands

Nigeria

SAUBERMACHER DIENSTLEISTUNGS AG HANS ROTH STRASSE 1	Austria
8073 FELDKIRCHEN Austria	
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation	
IPOINT-SYSTEMS GMBH	Germany
Ludwig-Erhard-Strasse 52-56	
72760 Reutlingen	
Germany	
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation	
Amt der steiermärkischen Landesregierung (Office of the Regional Government of Styria)	Austria
Graz	
Austria	
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation	
Taiwan CE Network	Taiwan
Taipei	
Taiwan	
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation	
Secretaria-Geral do Ministério do Ambiente (Ministry of Environment, Republica Portuguesa)	Portugal
Lisboa	
Portugal	
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation	
KINGSTON UPON HULL CITY COUNCIL	United Kingdom
GUILDHALL ROAD, TREASURY BUILDING 2ND FLOOR	
HU1 2AB KINGSTON UPON HULL United Kingdom	
Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Ex Contact the organisation	stablishments)

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Environmental and Management Solutions	United Kingdom
Ltd	
Hull	
United Kingdom	
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)	
Contact the organisation	
	France
22b Avenue de l'Europe	Trance
67300 SCHILTIGHEIM	
France	
Activity type: Other	
Contact the organisation	
	lite lui
	Italy
italy	
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)	
Contact the organisation	
APTAR Italia	Italy
SpA	
Pescara	
Italy	
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)	
Contact the organisation	
Mangiatorella	Italy
SpA	
Saponara Villafranca	
Italy	
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)	
Contact the organisation	
Last upuated on 2017-08-17	
Permalink: https://cordis.europa.eu/project/rcn/211590_en.html	
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ERA-MIN 2

Project ID: 730238

Funded under:

H2020-EU.3.5.3. - Ensuring the sustainable supply of non-energy and non-agricultural raw materials

Implement a European-wide coordination of research and innovation programs on raw materials to strengthen the industry competitiveness and the shift to a circular economy

From 2016-12-01 to 2021-11-30, ongoing project

Project details

Total cost:	Topic(s):	
EUR 16 058 787,31	SC5-17-2016 - ERA-NET Cofund on Raw materials	
EU contribution:	Call for proposal:	
EUR 4 999 890,01	H2020-SC5-2016-OneStageB See other projects for this call	
Coordinated in:	Funding scheme:	
Portugal	ERA-NET-Cofund - ERA-NET Cofund	

Objective

Building on the experience of ERA-MIN FP7 funded project, the objective of the ERA-NET Cofund on Raw Materials (ERA-MIN 2) is to strengthen the coordination of national and regional research programmes in the field of non-energy non-agricultural raw materials by implementing one joint call for proposals resulting in grants to third parties with EU co-funding. In line with the integrated strategy proposed in the EU Raw Materials Initiative and the Strategic Implementation Plan of the European Innovation Partnership on Raw Materials, the ERA-MIN 2 Call topics will address the three segments of the nonenergy non-agricultural raw materials: metallic, industrial and construction minerals and will cover the whole value chain: exploration, extraction, processing/refining, as well as recycling and substitution of critical raw materials. ERA-MIN 2 supports the objectives of the EIP on Raw Materials, particularly in the area of research and innovation coordination; improve synergy, co-ordination and coherence between regional, national and EU funding in the relevant research fields through international collaboration; reduce fragmentation of raw materials research and innovation efforts across Europe; improve use of human and financial resources in the area of raw materials research and innovation. As measures to maximise impact, ERA-MIN 2 will cooperate with the existing initiatives, projects and associations, by establishing an effective communication aiming to assure that all dissemination activities, including the promotion and follow up of project results, will reach out to a wider audience of stakeholders, therefore strengthening the raw material community. To further increase its impact and to better fulfil the overarching objectives, ERA-MIN-2 will develop and implement at least two additional joint calls without EU co-funding, in topics of common interest and based on the updated Roadmap provided by CSA VERAM.

Related information



Coordinator

FUNDACAO PARA A CIENCIA E A TECNOLOGIA AVENIDA D CARLOS I 126 1249 074 LISBOA Portugal

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

Participants

VERKET FÖR INNOVATIONSSYSTEM Sweden Mäster Samuelsgatan 56 **EU contribution:** EUR 244 513.99 10158 STOCKHOLM Sweden Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation FORSCHUNGSZENTRUM JULICH GMBH Germany WILHELM JOHNEN STRASSE EU contribution: EUR 786 655,97 52428 JULICH Germany Activity type: Research Organisations Contact the organisation Unitatea Executiva pentru Finantarea Invatamantului Superior, a Cercetarii, Dezvoltarii si Romania Inovarii Mendeleev Street 21-25 EU contribution: EUR 269 491.79 010362 Bucharest Romania Activity type: Research Organisations Contact the organisation MINISTERIO DE ECONOMIA, INDUSTRIA Y COMPETITIVIDAD Spain PASEO DE LA CASTELLANA 162 EU contribution: EUR 183 008,40 28046 MADRID Spain

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation



Portugal EU contribution: EUR 240 354,19 Ministerio de Ciencia, Tecnología e Innovación Productiva Av Cordoba 831 1054 Buenos Aires Argentina

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

NARODOWE CENTRUM BADAN I ROZWOJU **UL. NOWOGRODZKA 47A** 00 695 WARSZAWA Poland

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

COMISION NACIONAL DE INVESTIGACION CIENTIFICA Y TECNOLOGICA Chile CALLE MONEDA 1375 **EU contribution:** EUR 190 070,15 8340486 SANTIAGO Chile

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

Ministrstvo za izobrazevanje, znanost in sport Masarykova 16 1000 Ljubljana Slovenia

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

AGENCE NATIONALE DE LA RECHERCHE France 50 avenue Daumesnil EU contribution: EUR 232 551,49 75012 PARIS France

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

CENTRO PARA EL DESARROLLO TECNOLOGICO INDUSTRIAL. Spain CALLE CID 4 EU contribution: EUR 243 633,58 28001 MADRID Spain

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

EU contribution: EUR 202 999,25



EU contribution: EUR 232 551,49

Poland

Slovenia

DEPARTMENT OF SCIENCE AND TECHNOLOGY Meiring Naude Road 53 CSIR Campus 0001 BRUMMERIA South Africa

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

COMMUNICATIONS, CLIMATE ACTION AND ENVIRONMENTS Adelaide Road 29-31 D02 X285 Dublin Ireland

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

AGENCE DE L'ENVIRONNEMENT ET DE LA MAITRISE DE L'ENERGIE France avenue du Gresille 20 EU contribution: EUR 232 49004 ANGERS 551,49

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

TURKIYE BILIMSEL VE TEKNOLOJIK ARASTIRMA KURUMU Ataturk Bulvari 221 06100 ANKARA Turkey

Activity type: Research Organisations Contact the organisation

France

INNOVAATIORAHOITUSKESKUS BUSINESS FINLAND PO BOX 69 00101 HELSINKI Finland

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

FONDS FLANKEREND ECONOMISCH EN INNOVATIEBELEID BOULEVARD DU ROI ALBERT II 35 1030 BRUXELLES Belgium

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

Ireland

081,34

stablishments)

EU contribution: EUR 214

Turkey EU contribution: EUR 269 491,79

Finland EU contribution: EUR 417 252,99

Page 198 of 220 Research and Innovation Belgium EU contribution: EUR 417 252,99 INSTITUTO PARA LA COMPETITIVIDAD EMPRESARIAL DE CASTILLA Y LEON CALLE JACINTO BENAVENTE 2 47195 ARROYO DE LA ENCOMIENDA Spain

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

FONDS VOOR WETENSCHAPPELIJK ONDERZOEK-VLAANDEREN EGMONTSTRAAT 5 1000 BRUSSEL Belgium

Activity type: Research Organisations Contact the organisation

MINISTERO DELL'ISTRUZIONE, DELL'UNIVERSITA' E DELLA RICERCA Via Michele Carcani 61 00153 ROMA Italy

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

FINANCIADORA DE ESTUDOS E PROJETOS SCN Q 2 BLOCO D TORRE A SALA 1102 EDIFICIO LIBERTY MALL 70712 903 BRASILIA DF Brazil

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2017-08-22 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/206407_en.html © European Union, 2018

Belgium

Italy

566,42

EU contribution: EUR 103 260,45

> Brazil EU contribution: EUR 0

EU contribution: EUR 99







BIOSKOH

Project ID: 709557 Funded under:

H2020-EU.3.2.6.1. - Sustainable and competitive bio-based industries and supporting the development of a European bio-economy H2020-EU.3.2.6.3. - Sustainable biorefineries

BIOSKOH's Innovation Stepping Stones for a novel European Second Generation BioEconomy

From 2016-06-01 to 2021-05-31, ongoing project

Project details

Total cost:	Topic(s):
EUR 30 122 313,75	BBI.VC1.F1 - From lignocellulosic feedstock to advanced bio-based chemicals,
EU contribution:	materials or ethanol
EUR 21 568 194,13	Call for proposal:
Coordinated in:	H2020-BBI-PPP-2015-1-1 See other projects for this call
Italy	Funding scheme:
	BBI-IA-FLAG - Bio-based Industries Innovation action - Flagship

Objective

The BIOSKOH project will pave the way for a Second Generation European Circular Bioeconomy by showcasing how a number Innovation Stepping Stones can realise a breakthrough in techno-economic viability of lignocellulosic biorefineries. It will do so through a two stage investment process and development path to realise the largest (110 kton) second generation (2G) biorefinery in Europe. It starts from a brownfield industrial site in the eastern part of the Slovak Republic to realise the 1st stage Flagship plant to produce 55 kton of cellulosic ethanol per year for EU bio-fuel mandates. Partners include the full value chain starting from land owners and feedstock producers, supply chain experts and an agronomical research partner to set-up a new biomass value chain exploiting large amounts of currently unused crop residues (kton/year), and developing newly grown dedicated crops on marginal land (total circa 320 kton/year), as such revitalising the regional economy. Technology providers (Biochemtex, Novozymes and Lesaffre) developed, tested and demonstrated in the only available semi-industrial scale 2G biorefinery research plant (Crescentino), an innovative integrated pre-treatment, hydrolyses and fermentation package, with higher yield and lower CAPEX which will now be upscaled to the 1st of a kind commercial scale Flagship, to be built by Energochemica. Aim is to showcase techno-economic viability based on a sound business plan and 4 stepping stones (yield, biomass cost, brownfield and industrial symbiosis). Dedicated innovation actions by expert partners include assessing increased cascading potential through lignin valorisation and 2G bio-chemicals. LCA. Socio-economic impact analyses. business plan for a 2nd investment round, exploitation, dissemination and replication actions to various bio-economy clusters in Europe, thus giving both a short term and a long term contribution to the European Industrial Renaissance and bioeconomy.

Related information



Coordinator

BIOCHEMTEX SPA STRADA RIBROCCA 11 15057 TORTONA Italy

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Participants

ENERGOCHEMICA TRADING AS PRIBINOVA 25 81109 BRATISLAVA Slovakia

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

NOVOZYMES A/S Krogshoejvej 36 2880 BAGSVAERD Denmark

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

LESAFFRE INTERNATIONAL SARL RUE GABRIEL PERI 137 59700 MARCQ EN BAROEUL France

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

IMPERIAL COLLEGE OF SCIENCE TECHNOLOGY AND MEDICINE SOUTH KENSINGTON CAMPUS EXHIBITION ROAD SW7 2AZ LONDON United Kingdom

Activity type: Higher or Secondary Education Establishments Contact the organisation

Italy EU contribution: EUR 1 734 885,25

Slovakia EU contribution: EUR 13 441 418,38

Denmark EU contribution: EUR 291 075

> France EU contribution: EUR 360 300,50

United Kingdom EU contribution: EUR 523 215



RISE INNVENTIA AB DROTTNING KRISTINAS VAG 61 114 86 STOCKHOLM Sweden

Activity type: Research Organisations Contact the organisation

FARMA OBORIN SRO	Slovakia
VLCIA DOLINA 958	EU contribution: EUR 3 069 500
04925 DOBSINA	
Slovakia	
Activity type: Private for-profit entities (excluding Higher or Secondary Education E	Establishments)
Contact the organisation	
NARODNE POL'NOHOSPODARSKE A POTRAVINARSKE CENTRUM	Slovakia
HLOHOVECKA 2	EU contribution: EUR 659 375
951 41 LUZIANKY	
Slovakia	
Activity type: Research Organisations	
Contact the organisation	
PNO INNOVATION	Belgium
EXCELSIORLAAN 51	EU contribution: EUR 483 875
1930 ZAVENTEM	
Belgium	
Activity type: Private for-profit entities (excluding Higher or Secondary Education E	Establishments)
Contact the organisation	
SUSTAINABILITY CONSULT	Belgium
RUE EMMANUEL VAN DRIESSCHE 9	EU contribution: EUR 358 750
1050 BRUXELLES	
Belgium	
Activity type: Private for-profit entities (excluding Higher or Secondary Education E Contact the organisation	Establishments)
AGRICONSULTING SPA	Italy
Via Vitorchiano 123	EU contribution: EUR 216 475
00189 ROMA	
Italy	
See on map	
Activity type: Private for-profit entities (excluding Higher or Secondary Education E	Establishments)
Contact the organisation	

Last updated on 2017-08-22

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Permalink: https://cordis.europa.eu/project/rcn/204326_en.html

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ECOBULK

Project ID: 730456

Funded under:

H2020-EU.3.5.4. - Enabling the transition towards a green economy and society through ecoinnovation

Circular Process for Eco-Designed Bulky Products and Internal Car Parts

From 2017-06-01 to 2021-05-31, ongoing project

Project details	
Total cost:	Topic(s):
EUR 12 153 947,38	CIRC-01-2016-2017 - Systemic, eco-innovative approaches for the circular
EU contribution:	economy: large-scale demonstration projects
EUR 9 665 562,88	Call for proposal:
Coordinated in:	H2020-CIRC-2016TwoStage See other projects for this call
United Kingdom	Funding scheme:
	IA - Innovation action

Objective

ECOBULK through a large scale demonstration effort will contribute to "closing the loop" of composite products in the automotive, furniture and building sectors by promoting greater re-use, upgrade, refurbishment and recycle of products, parts, and materials. It will bring opportunities for both the environment and the economy by offering business opportunities along the entire new defined supply and value chains. ECOBULK approach will be based on identifying and promoting commonalities in processes, technologies, products and services ensuring replicability and transferability to other industrial sectors. The ambitious application of the circular economy model in the three selected sectors is justified by the high numbers of synergies, in terms of the design (design for modularity, design for disassembly/dismantling), materials (fibre and particle reinforced plastic composites), manufacturing technology (moulding, extrusion, hot pressing, thermobonding) and business models (leasing, renting, PSS, fix-it shops, etc.). The methodology will embrace and focus on large scale demonstration activities in 7 countries and more than 15 demonstrators to address the key components of the circular economy solutions; rethinking product design to shift towards a Design Circular Framework, validation of material and product manufacturing technologies to ensure technical and economic feasibility, new reverse logistics for the recovery of products and parts from consumers or users and into the supply chain, implementation of Innovative business models exploring C2C, B2C and B2B opportunities, and dissemination to raise awareness and knowledge sharing activities on circular economy solutions. Finally, an end-user and Stakeholder platform linking end users with relevant actors from the early design stages will foster second life, reuse and recycle of product and parts as well as material recovery for reintroduction into a circular production chain.



Coordinator

EXERGY LTD PUMA WAY THE TECHNOCENTRE COVENTRY CV1 2TT COVENTRY United Kingdom

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Participants

CONSIGLIO NAZIONALE DELLE RICERCHE PIAZZALE ALDO MORO 7 00185 ROMA Italy

Activity type: Research Organisations Contact the organisation

CRANFIELD UNIVERSITY College Road MK43 0AL CRANFIELD - BEDFORDSHIRE United Kingdom

Activity type: Higher or Secondary Education Establishments Contact the organisation

CENTRO RICERCHE FIAT SCPA STRADA TORINO 50 10043 ORBASSANO Italy

Activity type: Research Organisations Contact the organisation

INSTITUT TECHNOLOGIQUE FCBA (FORETCELLULOSE BOIS-CONSTRUCTION AMEUBLEMENT) France
I0 RUE DE GALILEE EU contribution: EUR 216 750
77420 CHAMPS SUR MARINE
France

Activity type: Research Organisations Contact the organisation United Kingdom EU contribution: EUR 774 287,50

Italy EU contribution: EUR 304 125

> United Kingdom EU contribution: EUR 290 146,25

Italy EU contribution: EUR 404 625

Page 205 of 220 Research and Innovation INSTITUTO TECNOLOGICO DEL EMBALAJE, TRANSPORTE Y LOGISTICA Spain Calle Albert Einstein. Parque Tecnológico. 1 **EU contribution:** EUR 436 437,50 46980 Paterna Spain Activity type: Research Organisations Contact the organisation NEXT TECHNOLOGY TECNOTESSILE SOCIETA NAZIONALE DI RICERCA R L Italy VIA DEL GELSO 13 EU contribution: EUR 376 125 59100 PRATO Italy Activity type: Research Organisations Contact the organisation TECHNISCHE UNIVERSITEIT DELFT Netherlands **STEVINWEG 1 EU contribution:** EUR 531 092,50 2628 CN DELFT Netherlands Activity type: Higher or Secondary Education Establishments Contact the organisation UNIVERSITAT POLITECNICA DE CATALUNYA Spain CALLE JORDI GIRONA 31 EU contribution: EUR 398 161.13 08034 BARCELONA Spain Activity type: Higher or Secondary Education Establishments Contact the organisation AKZO NOBEL INDUSTRIAL COATINGS AB Sweden STAFFANSTORPSVAGEN 50 EU contribution: EUR 308 073,50 205 17 MALMO Sweden Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation FORMITALIA GROUP SPA Italv VIA CORTICELLA 5-7-9 **EU contribution:** EUR 0 51039 QUARRATA Italy

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation



KASTAMONU ENTEGRE AGAC SANAYI VE TICARET ANONIM SIRKETI Turkey ALTUNIZADE MAHALLESI KISIKLI CADDESI 13 EU contribution: EUR 290 150 34662 ISTANBUL Turkey Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation MAIER SCOOP Spain POLIGONO INDUSTRIAL ARABIETA S/N EU contribution: EUR 573 118,75 48320 AJANGIZ Spain Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation **TECHNOPLANTS SRL** Italy VIALE DE GASPERI 33 EU contribution: EUR 240 275 59100 PRATO Italy Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation **TOMRA Sorting GMBH** Germany Otto-Hahn-Strasse 6 EU contribution: EUR 221 725 56218 Muelheim-Kaerlich Germany Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation Finland Conenor Oy **KAITILANTIE 30** EU contribution: EUR 703 400,25 16300 ORIMATTILA Finland Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation **GRANTA DESIGN LTD** United Kingdom **CLIFTON ROAD RUSTAT HOUSE 62** EU contribution: EUR 434 525 **CB1 7EG CAMBRIDGE** United Kingdom Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation



IRIS TECHNOLOGY SOLUTIONS, SOCIEDAD LIMITADA CALLE VELAZQUEZ, NO 4 28006 MADRID Spain

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

KNEIA SL Spain CALLE ARIBAU 168-170 EU contribution: EUR 163 422 08021 BARCELONA Spain Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation MICROCAB INDUSTRIES LTD United Kingdom **TERRY ROAD 93** EU contribution: EUR 203 000 CV1 2AZ COVENTRY United Kingdom Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation NETCOMPOSITES LIMITED United Kingdom **BRIDGE WAY 4A BROOM BUSINESS PARK** EU contribution: EUR 324 362.50 S41 9QG CHESTERFIELD United Kingdom Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation OAKDENE HOLLINS LIMITED United Kingdom ARDENHAM COURT OXFORD ROAD **EU contribution:** EUR 258 784,75 HP19 8HT AYLESBURY United Kingdom Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation TECNARO GESELLSCHAFT ZUR INDUSTRIELLEN ANWENDUNG NACHWACHSENDER ROHSTOFFE Germany MBH **BUSTADT 40** EU contribution: EUR 251 212,50 74360 ILSFELD Germany Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)

Contact the organisation

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VERTECH GROUP 11 RUE DEFLY 06000 NICE France	France EU contribution: EUR 434 743,75
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establish Contact the organisation	ments)
INTERNATIONAL SOLID WASTE ASSOCIATION AUERSPERGSTRASSE 15/41 1080 WIEN Austria	Austria EU contribution: EUR 217 375
Activity type: Other Contact the organisation	
ASOCIACION ESPANOLA DE NORMALIZACION CALLE GENOVA 6 28004 MADRID Spain	Spain EU contribution: EUR 80 875
Activity type: Other Contact the organisation	
SERVICO INTERMUNICIPALIZADO DE GESTAO DE RESIDUOS DO GRANDE PORTO RUA DA MORENA 805-955 4435 996 BAGUIM DO MONTE GONDOMAR Portugal	Portugal EU contribution: EUR 236 750
Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Ed Contact the organisation	ucation Establishments)
AIMPLAS - ASOCIACION DE INVESTIGACION DE MATERIALES PLASTICOS Y CONEXAS CALLE GUSTAVE EIFFEL 4 PARQUE TECNOLOGICO DE PATERNA 46980 PATERNA VALENCIA Spain	Spain EU contribution: EUR 173 370
Activity type: Research Organisations Contact the organisation	
GBP METAL GROUP SL PASEO PLA DE LA MEZQUITA 14 46800 XATIVA Spain	Spain EU contribution: EUR 106 225
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establish Contact the organisation	ments)



MORETTI COMPACT SPA VIA ENRICO FERMI 30 61020 LUNANO Italy

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2017-08-22 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/210181_en.html

 $\ensuremath{\mathbb{C}}$ European Union, 2018







New Innonet

Project ID: 642231

Funded under:

H2020-EU.3.5.4. - Enabling the transition towards a green economy and society through ecoinnovation

NEW InnoNet: The Near-zero European Waste Innovation Network

From 2015-02-01 to 2017-07-31, closed project | New Innonet Website

Project details		
Total cost:	Topic(s):	
EUR 1 493 211,25	WASTE-4a-2014 - An EU near-zero waste stakeholder platform	
EU contribution:	Call for proposal:	
EUR 1 493 211,25	H2020-WASTE-2014-one-stage See other projects for this call	
Coordinated in:	Funding scheme:	
Netherlands	CSA - Coordination and support action	

Objective

Europe generates around 3 billion tonnes of waste yearly, which is expected to grow further. Despite the introduction of innovative waste and recycling technologies, market uptake varies drastically amongst the 27 Member States.

New-InnoNet is the new stakeholder platform initiative by 12 European consortium members active as entrepreneurs, researchers and policy makers. These recognise that in order to reach a European near zero waste economy, all value chain stakeholders must cooperate, exchange generated knowledge, insights and hands-on experience and enforce changes to the value chain structure together. Previous initiatives were unable to achieve actual, large scale results towards a sustainable growth of the European economy. The reason is that they either focussed on a specific waste area or they lacked the involvement of the competent industries. This project includes various waste value chains which enable exchange of information and technology transfer from one chain to another. In addition, the consortium's network includes over 2000 relevant industrial stakeholders and several already expressed their interest in this new stakeholder platform, its goals and actions. During the project, key stakeholders will be mobilised to participate in the platform and road mapping workshops, as only an active involvement of industrial organisations will lead to the desired changes in the structure of the value chain. The many letters of support show the consortium's strength in mobilising stakeholders.

NEW InnoNet's main objective is to mobilise stakeholders towards building a circular economy by developing and reinforcing solid foundations for building the European Near-Zero Waste Platform through:

- 1. Set-up and maintain near zero waste stakeholder platform
- 2. Analyse selected waste streams and develop innovation roadmaps per waste stream
- 3. Develop an integrated near zero waste strategic research and innovation agenda
- 4. Stakeholder mobilisation and interaction

Related information

Report Summaries

Periodic Reporting for period 2 - New Innonet (NEW InnoNet: The Near-zero **European Waste Innovation Network)**



Coordinator

PNO CONSULTANTS BV LAAN VAN ZUID HOORN 15 2289 DC RIJSWIJK Netherlands

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

the second s	
VAN GANSEWINKEL GROEP BV FLIGHT FORUM 240 5657 DH EINDHOVEN Netherlands	Netherlands EU contribution: EUR 170 000
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establish Contact the organisation	hments)
FUNDACION TECNALIA RESEARCH & INNOVATION PARQUE CIENTIFICO Y TECNOLOGICO DE GIPUZKOA PASEO MIKELETEGI 2 20009 DONOSTIA SAN SEBASTIAN Spain	Spain EU contribution: EUR 136 250
Activity type: Research Organisations Contact the organisation	
Teknologian tutkimuskeskus VTT Oy VUORIMIEHENTIE 3 02150 Espoo Finland	Finland EU contribution: EUR 172 125
Activity type: Research Organisations Contact the organisation	
TEKNOLOGIAN TUTKIMUSKESKUS VTT Participation ended TEKNIIKANTIE 4 A 02044 VTT ESPOO Finland	Finland EU contribution: EUR 0
Activity type: Research Organisations	

Netherlands **EU contribution:** EUR 201 710



STIFTELSEN SINTEF Norway **STRINDVEIEN 4 EU contribution:** EUR 132 282,50 7034 TRONDHEIM Norway Activity type: Research Organisations Contact the organisation IVL SVENSKA MILJOEINSTITUTET AB Sweden Valhallavaegen 81 EU contribution: EUR 120 425 100 31 STOCKHOLM Sweden Activity type: Research Organisations Contact the organisation INSTYTUT EKOLOGII TERENOW UPRZEMYSLOWIONYCH Poland ULICA KOSSUTHA 6 EU contribution: EUR 129 875 40 844 KATOWICE Poland Activity type: Research Organisations Contact the organisation ARN HOLDING BV Netherlands **DE ENTREE 258** EU contribution: EUR 140 000 1101 EE AMSTERDAM ZUIDOOST Netherlands Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation ASSOCIATION EUROPEENNE DES RECYCLEURS DE PLASTIQUES Belgium AVENUE DE CORTENBERGH 71 EU contribution: EUR 56 875 **1000 BRUXELLES** Belgium Activity type: Other Contact the organisation EUROPEAN PLASTICS CONVERTERS Belgium **AVENUE DE CORTENBERGH 71 EU contribution:** EUR 77 187,50 **1000 BRUXELLES** Belgium Activity type: Research Organisations Contact the organisation



SOCIEDAD PUBLICA DE GESTION AMBIENTAL IHOBE SA ALAMEDA DE URQUIJO 36-6 48011 BILBAO Spain

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

VLAAMSE INSTELLING VOOR TECHNOLOGISCH ONDERZOEK N.V. BOERETANG 200 2400 MOL Belgium

Activity type: Research Organisations Contact the organisation

Last updated on 2017-08-23 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/193896_en.html © European Union, 2018 Belgium

EU contribution: EUR 104 351,25







LEGVALUE

Project ID: 727672 Funded under:

H2020-EU.3.2.1.1. - Increasing production efficiency and coping with climate change, while ensuring sustainability and resilience H2020-EU.3.2.2.3. - A sustainable and competitive agri-food industry

Fostering sustainable legume-based farming systems and agri-feed and food chains in the EU

From 2017-06-01 to 2021-05-31, ongoing project

Project details

Total cost:	Topic(s):	
EUR 5 982 903,75	SFS-26-2016 - Legumes - transition paths to sustainable legume-based farming	
EU contribution:	systems and agri-feed and food chains	
EUR 5 000 000	Call for proposal:	
Coordinated in:	H2020-SFS-2016-2 See other projects for this call	
France	Funding scheme:	
	RIA - Research and Innovation action	

Objective

The goal of LEGVALUE is to pave the road to develop sustainable and competitive legume-based farming systems and agrifeed and food chains in the EU. To this end, the project will assess both the economic and environmental benefits for the EU agro industry to widely produce and use legumes in a sustainable manner. Using a list of 20 value chains reflecting the market diversity, and a list of 20 farm networks covering the diversity of grain legumes and fodder legumes species, LEGVALUE will demonstrate the added value of various legumes value chains and will provide a range of solutions to improve the economic interest of each actor involved in the value chains to use legumes. The feature of LEGVALUE is an approach to research that takes stakeholder-driven objectives. The gap between research and practice will be overcome with close collaboration between non-academic actors and scientists. LEGVALUE will result in the first decision tool for farmers to choose the optimal legume species with their adapted crop management and to assess the economic and environmental benefits of legumes in the cropping and grassland systems. LEGVALUE will contribute to identifying the supply chains that are the most competitive to foster legumes crops so helping the EU to identify: i) the technological topics that must be supported in priority to enhance legumes development; ii) insights into how to support actors coordination for better added value sharing iii) the new standards that will help trade and process of legumes. LEGVALUE will provide accurate recommendations for the development of legumes in the EU. By removing current market opacity and the design of transition pathways, LEGVALUE will provide scientific support for EU and national policy-makers directed at increasing legume production, support technological innovation and organisational innovation in supply chains, meeting the EU Parliament 2011 motion on increasing selfsufficiency on protein rich plant materials.



Coordinator

TERRES INOVIA France 11 RUE DU MONCEAU 75008 PARIS France

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Participants

INSTITUT NATIONAL DE LA RECHERCHE AGRONOMIQUE	France
Rue De L'Universite 147	EU contribution: EUR 500 000
75338 PARIS CEDEX 07	
France	
Activity type: Research Organisations	
Contact the organisation	
	lto lu
	EU contribution: EUR 270 000
italy	
Activity type: Higher or Secondary Education Establishments	
Contact the organisation	
STICHTING WAGENINGEN RESEARCH	Netherlands
DROEVENDAALSESTEEG 4	EU contribution: EUR 290 000
6708 PB WAGENINGEN	
Netherlands	
Activity type: Research Organisations	
Contact the organisation	
FACHHOCHSCHULE SUDWESTFALEN	Germany
BAARSTRASSE 6	EU contribution: EUR 480 000
58636 ISERLOHN	
Germany	
Activity type: Higher or Secondary Education Establishments	
Contact the organisation	

EU contribution: EUR 403 800

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PGRO RESEARCH LIMITED GREAT NORTH ROAD THORNHAUGH - THE RESEARCH STATION PE8 6HJ PETERBOROUGH United Kingdom

Activity type: Other Contact the organisation

INRA TRANSFERT S.A. RUE DU DOCTEUR FINLAY 28 75015 PARIS France

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

FORSCHUNGSINSTITUT FUR BIOLOGISCHEN LANDBAU STIFTUNG ACKERSTRASSE 113 5070 FRICK Switzerland

Activity type: Research Organisations Contact the organisation

WAGENINGEN UNIVERSITY DROEVENDAALSESTEEG 4 6708 PB WAGENINGEN Netherlands

Activity type: Higher or Secondary Education Establishments Contact the organisation

UNIVERSITAET HAMBURG MITTELWEG 177 20148 HAMBURG Germany

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

CHAMBRE REGIONALE D'AGRICULTURE DE NORMANDIE RUE DES ROQUEMONTS 6 14000 CAEN France

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

France EU contribution: EUR 250 000

Switzerland EU contribution: EUR 0

Netherlands EU contribution: EUR 120 000

Germany EU contribution: EUR 130 000

Page 217 of 220 Research and Innovation France EU contribution: EUR 256 200

ARTHUR SCHEUNERT ALLEE 40/41 EU contribution: EUR 120 000 14458 NUTHETAL OT BERGHOLZ REHBRUCKE Germany Activity type: Research Organisations Contact the organisation VALOREX SAS France LA MESSAYAIS EU contribution: EUR 80 000 35210 COMBOURTILLE France Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation AICF AGRO INOVACAO S.A. Portugal EDIFICIO NERE - PARQUE INDUSTRIAL E TECNOLOGICO DE EVORA, RUE CIRCULAR NORTE EU contribution: EUR 160 000 7005841 EVORA Portugal Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation INSTITUTO NACIONAL DE INVESTIGAÇÃO AGRARIA E VETERINARIA Portugal AVENIDA DA REPUBLICA QUINTA DO MARQUES EU contribution: EUR 120 000 2780 157 OEIRAS Portugal Activity type: Research Organisations Contact the organisation TERRES UNIVIA L'INTERPROFESSIONDES HUILES ET PROTEINES VEGETALES France RUE DE MONCEAU 11 EU contribution: EUR 200 000 75008 PARIS France Activity type: Other Contact the organisation LANDBRUG & FODEVARER F.M.B.A. Denmark **AXELTORV 3** EU contribution: EUR 140 000 1609 KOBENHAVN V Denmark Activity type: Research Organisations Contact the organisation

Germany

INSTITUT FUR LEBENSMITTEL- UND UMWELTFORSCHUNG EV



RSK ADAS LIMITED SPRING LODGE 172 CHESTER ROAD HELSBY WA6 0AR CHESHIRE United Kingdom Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation LATVIJAS LAUKU KONSULTACIJU UN IZGLITIBAS CENTRS **RIGAS IELA 34** EU contribution: EUR 120 000 3018 OZOLNIEKI OZOLNIEKU NOVADS

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)

Contact the organisation

ROSKILDE UNIVERSITET

Latvia

Universitetsvej 1 EU contribution: EUR 250 000 4000 ROSKILDE Denmark Activity type: Higher or Secondary Education Establishments Contact the organisation ASSOCIATION DE COORDINATION TECHNIQUE POUR L'INDUSTRIE AGROALIMENTAIRE France **16 RUE CLAUDE BERNARD** EU contribution: EUR 140 000 75231 PARIS France Activity type: Other Contact the organisation SCUOLA SUPERIORE DI STUDI UNIVERSITARI E DI PERFEZIONAMENTO SANT'ANNA Italy PIAZZA MARTIRI DELLA LIBERTA 33 EU contribution: EUR 151 800 56127 PISA Italy

Activity type: Higher or Secondary Education Establishments Contact the organisation

UNIVERSITA DI PISA LUNGARNO PACINOTTI 43/44 56126 PISA Italy

Activity type: Higher or Secondary Education Establishments Contact the organisation

Italy EU contribution: EUR 148 200

Latvia

Denmark

Page 219 of 220 esearch nd Innovation

LIETUVOS AGRARINIU IR MISKU MOKSLU CENTRAS INSTITUTO AL 1 AKADEMIJA LT-58344 KEDAINIU RAJ Lithuania

Activity type: Research Organisations Contact the organisation

Last updated on 2017-08-29 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/210498_en.html © European Union, 2018



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ReCiPSS

Project ID: 776577

Funded under:

H2020-EU.3.5.4. - Enabling the transition towards a green economy and society through ecoinnovation

Resource-efficient Circular Product-Service Systems

From 2018-06-01 to 2022-05-31, ongoing project

Project details

Total cost:	Topic(s):
EUR 8 833 302,10	CIRC-01-2016-2017 - Systemic, eco-innovative approaches for the circular
EU contribution:	economy: large-scale demonstration projects
EUR 6 837 122,50	Call for proposal:
Coordinated in:	H2020-CIRC-2017TwoStage See other projects for this call
Sweden	Funding scheme:
	IA - Innovation action

Objective

The overall goal of ReCiPSS is to explore success factors for circular manufacturing systems in two cases where OEMs have different levels control over their value chains: one case with full control, and one case with partial control. The project will achieve this goal through two industry-driven large-scale demonstrators of circular manufacturing systems in two key industries

The white goods demonstrator relates to a tightly connected value chain and will demonstrate the successful implementation of circular manufacturing systems where the OEM (Gorenje) is in full control of the entire product throughout all stages (i.e. design, manufacturing, forward supply chain, customer use phase, reverse supply chain, recovery activities and redistribution). The demonstrator will develop and implement a pay-per-wash offering for 300 washing machines, using cocreation methods. Each washing machine will be refurbished twice and serve over 3 life cycles of 5 years. The generalization of this new business model should lead to additional revenues of €150M per year.

The automotive spare parts demonstrator relates to a more complex value chain where the OEM (Bosch) does not have full control of the product throughout all stages. In order to demonstrate how third-party automotive remanufacturers can be effectively integrated in circular supply chains while keeping their independence from the OEM, the demonstrator will streamline the reverse logistics flow for 80,000 cores, enabling aftermarket stakeholders to close the loop by using a single service provider for reverse logistics. Cores will be identified and evaluated only once and then directly shipped to the final destination (remanufacturer), allowing cost savings of €5 per core i.e. potential savings of €175M per year if generalized throughout the industry. Co-creation workshops with stakeholders will ensure that the way the used cores are identified and transported is optimally aligned with the needs of all parties involved.



Coordinator

KUNGLIGA TEKNISKA HOEGSKOLAN BRINELLVAGEN 8 100 44 STOCKHOLM Sweden

Activity type: Higher or Secondary Education Establishments Contact the organisation

Participants

ROBERT BOSCH GMBH Robert-Bosch Platz 1 70839 GERLINGEN-SCHILLERHOEHE Germany

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SIVECO ROMANIA SA SOSEAUA BUCURESTI-PLOIESTI COMPLEX VICTORIA PARK CORP CLADIRE C4 SECTOR 1 73-81 **EU contribution:** EUR 504 875 013685 BUCURESTI Romania

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

CIRCULAR ECONOMY SOLUTIONS GMBH WILHELM-LAMBRECHT-STRASSE 6 37079 GOTTINGEN Germany

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

CIRBES CIRCULAR BUSINESS AND ENGINEERING SYSTEMS ABSwedenPEPPARBODAVAGEN 5EU contribution: EUR 427 875194 54 UPPLANDS VASBYSweden

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Sweden
EU contribution: EUR 1 038 100

Page 6 of 184 Research and Innovation EU contribution: EUR 469 393,75

Germany

Germany

EU contribution: EUR 978 250

5)

SIGNIFIKANT SVENSKA AB Sweden **INDUSTRIVAGEN 17** EU contribution: EUR 391 125 171 48 SOLNA Sweden Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation PDSVISION OY Finland **KALEVANTIE 2** EU contribution: EUR 265 825 33100 TAMPERE Finland Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation HOMIE BV Netherlands JULIANALAAN 67 A **EU contribution:** EUR 199 281,25 2628 BC DELFT Netherlands Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation STRIEBIG LOGISTIQUE France **5 RUE GUTENBERG EU contribution:** EUR 401 187.50 **67690 HATTEN** France Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V. Germany HANSASTRASSE 27C EU contribution: EUR 308 770,09 **80686 MUNCHEN** Germany Activity type: Research Organisations Contact the organisation GORENJE GOSPODINJSKI APARATI D.D. Slovenia PARTIZANSKA CESTA 12 EU contribution: EUR 1 019 939,91 3320 VELENJE Slovenia Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation



TECHNISCHE UNIVERSITEIT DELFT STEVINWEG 1 2628 CN DELFT Netherlands

Activity type: Higher or Secondary Education Establishments Contact the organisation

Masarykova univerzita Zerotinovo namesti 9 60177 BRNO STRED Czech Republic

Activity type: Higher or Secondary Education Establishments Contact the organisation

Last updated on 2018-06-28 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/216076_en.html © European Union, 2018

Czech EU contribution: EUR 355 625







Project O

Project ID: 776816

Funded under:

H2020-EU.3.5.2.2. - Developing integrated approaches to address water-related challenges and the transition to sustainable management and use of water resources and services H2020-EU.3.5.2.3. - Provide knowledge and tools for effective decision making and public engagement H2020-EU.3.5.4. - Enabling the transition towards a green economy and society through eco-innovation

Project Ô: demonstration of planning and technology tools for a circular, integrated and symbiotic use of water

From 2018-06-01 to 2022-05-31, ongoing project

Project details

Topic(s):	
CIRC-02-2016-2017 - Water in the context of the circular economy	
Call for proposal:	
H2020-CIRC-2017TwoStage See other projects for this call	
Funding scheme:	
IA - Innovation action	

Objective

Project Ô intends to demonstrate approaches and technologies to drive an integrated and symbiotic use of water within a specific area, putting together the needs of different users and waste water producers, involving regulators, service providers, civil society, industry and agriculture. The project seeks to apply the pillars of integrated water management (IWM) as a model for "water planning" (akin to spatial planning) and to demonstrate low cost, modular technologies that can be easily retrofitted into any water management infrastructure at district/plant level, hence enabling even small communities and SMEs to implement virtuous practices. Technologies and planning instruments complement each other as the first make possible the second and the latter can provide as example or even prescribe the former (and similar technologies allowing virtuous water use practices). Indeed the technologies support the regulators in implementing policy instruments, as foreseen by IWM, for convincing stakeholders (like developers and industry) to implement water efficiency strategies and could include instruments for e.g. rewarding virtuous behaviours (for example: advantageous water tariffs), planning regulations that award planning consent more swiftly or even prescribe the use of water from alternative sources (including recycling). Project Ô has in summary the overall objective of providing stakeholders (everybody using or regulating the use of water in an area) with a toolkit that enables them to plan the use of and utilise the resource water whatever its history and provenance, obtaining significant energy savings in terms of avoided treatment of water and waste water and release of pressure (quantity abstracted and pollution released) over green water sources. This overall objective will be demonstrated in up to four sites each in different Countries of Europe and in Israel, involving industries, aquaculture and agriculture as well as local authorities of different sizes.



Coordinator

IRIS SRL CORSO UNIONE SOVIETICA 612/21 10135 TORINO Italy

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Participants

AALBORG UNIVERSITET FREDRIK BAJERS VEJ 5 9220 AALBORG Denmark

Activity type: Higher or Secondary Education Establishments Contact the organisation

UNIVERSITA DEGLI STUDI DI TORINO VIA GIUSEPPE VERDI 8 10124 TORINO Italy

Activity type: Higher or Secondary Education Establishments Contact the organisation

UNIVERSITAT POLITECNICA DE VALENCIA CAMINO DE VERA SN EDIFICIO 3A 46022 VALENCIA Spain

Activity type: Higher or Secondary Education Establishments Contact the organisation

CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS RUE MICHEL ANGE 3 75794 PARIS France

Activity type: Research Organisations Contact the organisation Italy EU contribution: EUR 524 465,50

Denmark EU contribution: EUR 338 937,50

Italy EU contribution: EUR 624 081,25

Spain EU contribution: EUR 331 125

> France EU contribution: EUR 528 811,25



NANOQUIMIA S.L. CÓRDOBA (POL. IND. LA MINILLA) 10 14540 LA RAMBLA Spain

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

HEIM.ART - KULTURVEREIN-FLUSSIG Unternberg 4 4120 NEUFELDEN Austria	Austria EU contribution: EUR 133 343,75
Activity type: Other Contact the organisation	
SOCAMEX SA CL COBALTO PARCELA 213 POLIGONO INDUSTRIAL SAN CRISTOBAL 47012 VALLADOLID Spain	Spain EU contribution: EUR 592 560,50
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establish Contact the organisation	iments)
TECHNION - ISRAEL INSTITUTE OF TECHNOLOGY SENATE BUILDING TECHNION CITY 32000 HAIFA Israel	Israel EU contribution: EUR 475 375
Activity type: Higher or Secondary Education Establishments Contact the organisation	
VERTECH GROUP 11 RUE DEFLY 06000 NICE France	France EU contribution: EUR 465 500
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation	
EKSO SRL ZONA INDUSTRIALE INDUSTRIALE C. DA TABUNA 97100 RAGUSA RG Italy	Italy EU contribution: EUR 290 281,25
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establish Contact the organisation	iments)



EXERGY LTD United Kingdom PUMA WAY THE TECHNOCENTRE COVENTRY **EU contribution:** EUR 491 042,13 CV1 2TT COVENTRY United Kingdom Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation UNIVERSIDADE DE AVEIRO Portugal CAMPUS UNIVERSITÁRIO DE SANTIAGO **EU contribution:** EUR 418 413,75 3810-193 AVEIRO Portugal Activity type: Higher or Secondary Education Establishments Contact the organisation POLITECNICO DI MILANO Italy PIAZZA LEONARDO DA VINCI 32 EU contribution: EUR 902 750 20133 MILANO Italy Activity type: Higher or Secondary Education Establishments Contact the organisation KALUNDBORG KOMMUNE Denmark HOLBAEKVEJ 141 B EU contribution: EUR 172 300 4400 KALUNDBORG Denmark Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation OLIMPIAS TEKSTIL DRUSTVO S OGRANICENOM ODGOVORNOSCU ZA PROIZVODNJU Croatia VUKOVARSKA 219A EU contribution: EUR 334 671,75 31000 OSIJEK Croatia Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation MUNICIPALITY OF EILAT Israel HATIVAT HANEGEV EU contribution: EUR 434 750 88100 EILAT Israel

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation



ACQUEDOTTO PUGLIESE SPA Italy VIA COGNETTI 36 EU contribution: EUR 332 193,75 70100 BARI Italy Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation **REGIONE PUGLIA** Italy Lungomare Nazario Sauro, 33 **EU contribution:** EUR 91 687,50 70121 BARI Italy Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation HOCHSCHULE RHEIN-WAAL-HSRW RHINE-WAAL UNIVERSITY OF APPLIED SCIENCES Germany MARIE CURIE STRASSE 1 EU contribution: EUR 634 437,50 47533 KLEVE Germany Activity type: Higher or Secondary Education Establishments Contact the organisation PARTICULA GROUP DRUSTVO S OGRANICENOM ODGOVORNOSCU ZA USLUGE Croatia **IVANA FILIPOVICA 4 EU contribution:** EUR 55 737.50 51000 RIJEKA Croatia Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation ISRAEL OCEANOGRAPHIC AND LIMNOLOGICAL RESEARCH LIMITED Israel **TEL SHIKMONA** EU contribution: EUR 721 250 31080 HAIFA Israel Activity type: Research Organisations Contact the organisation ENTE NAZIONALE ITALIANO DI UNIFICAZIONE-UNI Italy **VIA SANNIO 2 EU contribution:** EUR 113 457,50 20135 MILANO Italy Activity type: Other Contact the organisation

Last updated on 2018-06-28 Retrieved on 2018-07-19



Permalink: https://cordis.europa.eu/project/rcn/216088_en.html

 $\ensuremath{\mathbb{C}}$ European Union, 2018







CarE-Service

Project ID: 776851

Funded under:

H2020-EU.3.5.4. - Enabling the transition towards a green economy and society through ecoinnovation

Circular Economy Business Models for innovative hybrid and electric mobility through advanced reuse and remanufacturing technologies and services

From 2018-06-01 to 2021-05-31, ongoing project

Project details

Total cost:	Topic(s):	
EUR 7 722 365,75	CIRC-01-2016-2017 - Systemic, eco-innovative approaches for the circular	
EU contribution:	economy: large-scale demonstration projects	
EUR 6 229 505,01	Call for proposal:	
Coordinated in:	H2020-CIRC-2017TwoStage See other projects for this call	
Italy	Funding scheme:	
	IA - Innovation action	

Objective

impacts.

Electric and Hybrid Electric Vehicles (E&HEVs) will be an opportunity to drastically innovate mobility products and services in the direction of sustainability and of higher accessibility for customers. If coupled with innovative services offered by car manufacturers in a network of well coordinated partners supporting extensive and efficient End-Of-Life operations, the advent of E&HEVs could revolution the current mobility consumption uses of people and preserve the environmental much more than the only substitution of traditional cars with E&HEVs could do. In particular, non-ownership based models of E&HEVs with additional added-value services (leasing or renting contracts with periodic upgrade through remanufacturing, pay per use, etc.), would give OEMs the possibility to establish long-term customers relationships on one hand, and of setting-up innovative supply chains that performs systematic remanufacturing and reuse of E&HEVs parts in order to maximize the residual value of components and materials on the other. Remanufacturing, reuse and recycling would become the strategies upon which car manufacturers would base future competitiveness, leveraging on the benefits of costs saving and, at the same time, guaranteeing environmental benefits and superior performances to customers.

However, there are substantial barriers to implement these new business models. The main one is developing adequate capabilities to remanufacture and reuse E&HEVs' components and materials in order to provide customers with added value. This is significantly difficult especially from the technological point of view, since E&HEVs determine a fundamental transformation in vehicles design, featuring a substantial evolution in the critical components and materials. The CarE-Service project will demonstrate new enabling technologies and service to systematically perform innovative reuse and remanufacturing as key-processes to provide value to customers and, at the same time, to minimize environmental



Coordinator

CONSIGLIO NAZIONALE DELLE RICERCHE PIAZZALE ALDO MORO 7 00185 ROMA Italy

Activity type: Research Organisations Contact the organisation

Participants

LINKOPINGS UNIVERSITET CAMPUS VALLA 581 83 Linköping Sweden

Activity type: Higher or Secondary Education Establishments Contact the organisation

ENVIROBAT ESPANA SL AVDA LYON DE NUM 10 PG IND. RODANO 19200 AZUQUECA DE HENARES GUADALAJARA Spain

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

PRODIGENTIA - TECNOLOGIAS DE INFORMACAO SA RUA MIGUEL TORGA EDIFICIO ESPACO ALFRAGIDE 2C PISO ESCRITORIO 1 2610 086 AMADORA Portugal

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

AGENCIA ESTATAL CONSEJO SUPERIOR DEINVESTIGACIONES CIENTIFICAS CALLE SERRANO 117 28006 MADRID Spain

Activity type: Research Organisations Contact the organisation Sweden EU contribution: EUR 346 843,75

Spain EU contribution: EUR 497 947,63

Portugal

EU contribution: EUR 386 042,13

Spain EU contribution: EUR 363 117,50



CIRCULAR ECONOMY SOLUTIONS GMBH Germany WILHELM-LAMBRECHT-STRASSE 6 EU contribution: EUR 406 962,50 37079 GOTTINGEN Germany Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation COBAT, CONSORZIO NAZIONALE RACCOLTAE RICICLO Italy VIA VICENZA 29 EU contribution: EUR 249 906,25 00185 ROME RM Italy Activity type: Other Contact the organisation FIAT CHRYSLER AUTOMOBILES ITALY SPA Italy CORSO GIOVANNI AGNELLI 200 EU contribution: EUR 487 025 10135 TORINO Italy Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation **RADICI NOVACIPS SPA** Italy **VIA BEDESCHI 20** EU contribution: EUR 381 062.50 24040 CHIGNOLO D ISOLA BG Italy Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

 IMA MATERIALFORSCHUNG UND ANWENDUNGSTECHNIK GMBH
 Germany

 WILHELMINE REICHARD RING 4
 EU contribution: EUR 365 575

 01109 DRESDEN
 Germany

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

 FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.
 Germany

 HANSASTRASSE 27C
 EU contribution: EUR 675 845

 80686 MUNCHEN
 Germany

Activity type: Research Organisations Contact the organisation



AVICENNE DEVELOPPEMENT France RUE JEAN JAURES 10 TOUR LITWIN EU contribution: EUR 198 807 92800 PUTEAUX France Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation CIA AUTOMATION AND ROBOTICS SRL Italy VIA SAN CARLO 16 EU contribution: EUR 503 545 20847 ALBIATE Italy Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation E-VAI SRL Italy PIAZZALE CARDONA LUIGI 14 EU contribution: EUR 256 375 20123 MILANO Italy Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation JRC -JOINT RESEARCH CENTRE- EUROPEAN COMMISSION Belgium Rue de la Loi 200 EU contribution: EUR 257 200.75 1049 BRUSSELS

Activity type: Research Organisations Contact the organisation

Last updated on 2018-06-28 Retrieved on 2018-07-19

Belgium

Permalink: https://cordis.europa.eu/project/rcn/216087_en.html © European Union, 2018







HOUSEFUL

Project ID: 776708

Funded under:

H2020-EU.3.5.4. - Enabling the transition towards a green economy and society through ecoinnovation

Innovative circular solutions and services for new business opportunities in the EU housing sector

From 2018-05-01 to 2022-10-31, ongoing project

Project details

Total cost:	Topic(s):	
EUR 8 535 247,50	CIRC-01-2016-2017 - Systemic, eco-innovative approaches for the circular	
EU contribution:	economy: large-scale demonstration projects	
EUR 6 997 228,50	Call for proposal:	
Coordinated in:	H2020-CIRC-2017TwoStage See other projects for this call	
Spain	Funding scheme:	
	IA - Innovation action	

Objective

The housing sector is a major contributor to current global problems of resource depletion and climate change, representing one of the most important consuming sectors at EU level: 50% of all extracted materials, 40% of final energy consumption, 33% of water consumption and 33% of all produced waste. The lock-in to the linear business models of today is causing many environmental problems and is one of the major barriers in transition towards a circular economy. HOUSEFUL project proposes an innovative paradigm shift towards a circular economy for the housing sector by demonstrating the feasibility of an integrated systemic service composed of 11 circular solutions. HOUSEFUL will introduce solutions to become more resource efficient throughout the lifecycle of a building, taking into account an integrated circular approach where energy, materials, waste and water aspects are considered. This approach fosters new forms of co-creation, increasing the collaboration among stakeholders of the housing value chain to develop new circular solutions and services. HOUSEFUL concept will be large scale demonstrated at 4 demo-sites in Austria and Spain, adapting the concept to different scenarios, including in social housing buildings, HOUSEFUL solutions will be evaluated from an environmental (Life Cycle Assessment), economic (Life Cycle Cost) and social (Social Assessment) point of view. The results obtained will be used to define an integrated HOUSEFUL service which will be driven and promoted through a SaaS (Software as a Service). The SaaS will integrate a Circularity Tool to quantify the circularity level of buildings and will include different circular solutions to be offered as services, encouraging the housing value chain to redesign traditional business models towards circular ones. 10 EU Follower buildings will be engaged with the support of a Collaborative Community of Housing Experts to replicate HOUSEFUL results and maximise the impact of the project.



Coordinator

ACONDICIONAMIENTO TARRASENSE ASSOCIACION CARRER DE LA INNOVACIO 2 08225 TERRASSA Spain

Activity type: Research Organisations Contact the organisation

Participants

INSTITUT DE TECNOLOGIA DE LA CONSTRUCCION DE CATALUNYA Calle Wellington 19 08018 Barcelona Spain

Activity type: Other Contact the organisation

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Activity type: Research Organisations Contact the organisation

ALCHEMIA-NOVA GMBH BAUMGARTENSTRASSE 93 1140 WIEN Austria

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

AGENCIA DE L'HABITATGE DE CATALUNYA CALLE DE LA DIPUTACIO 92 08015 BARCELONA Spain

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

Spain EU contribution: EUR 452 787,50

Spain EU contribution: EUR 462 742,50

Austria EU contribution: EUR 1 026 555,25

Spain **EU contribution:** EUR 638 675



VISUM LIMITED Ireland COOLKERAGH LOWER EU contribution: EUR 290 237,50 V31 Listowel Ireland Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation SISTEMES AVANCATS DE ENERGIA SOLAR TERMICA SCCL - AIGUASOL Spain CALLE ROGER DE LLURIA 29 - 3R 2E EU contribution: EUR 404 993,75 08009 BARCELONA Spain Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation LGI CONSULTING SARL France **RUE MARIVAUX 13 EU contribution:** EUR 382 532,50 75002 PARIS France Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation ARCHITEKTURBURO REINBERG ZT GMBH Austria LINDENGASSE 39/8 EU contribution: EUR 199 949.75 1070 WIEN Austria Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation TURNTOO B.V. Netherlands HAMERSTRAAT 3 H EU contribution: EUR 420 446,25 1021 JT Amsterdam Netherlands Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation GEMEINNUTZIGE BAU-, WOHN UND SIEDLUNGSGENOSSENSCHAFT NEUES LEBEN Austria REGISTRIERTE GENOSSENCHAFT MIT BESCHRANKTER HAFTUNG **TROSTSTRASSE 108 EU contribution:** EUR 185 062,50 1100 WIEN Austria Activity type: Other Contact the organisation



COMITE EUROPEEN DE COORDINATION DE L'HABITAT SOCIAL AISBL Belgium **SQUARE DE MEEUS 18** EU contribution: EUR 253 437,50 **1050 BRUXELLES** Belgium Activity type: Other Contact the organisation WATER, ENVIRONMENT AND BUSINESS FORDEVELOPMENT SL Spain PLAZA SANT JAUME 10 PLANTA 2 PUERTA 2 EU contribution: EUR 220 643,50 08192 SANT QUIRZE DEL VALLES Spain Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation FONDAZIONE ICONS Italy PIAZZA DELLA VITTORIA 1 EU contribution: EUR 489 625 26900 LODI Italy Activity type: Other Contact the organisation IDP INGENIERIA Y ARQUITECTURA IBERIA SL Spain AVENIDA FRANCESC MACIA 60 3 PLANTA EU contribution: EUR 475 865.25 08208 SABADELL BARCELONA Spain Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation HOMEBIOGAS LTD Israel HADASA NEURIM EU contribution: EUR 167 487,25 40293 BET YANAI Israel Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation Last updated on 2018-06-28 Retrieved on 2018-07-19 Permalink: https://cordis.europa.eu/project/rcn/216084_en.html

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CIRCUSOL

Project ID: 776680

Funded under:

H2020-EU.3.5.4. - Enabling the transition towards a green economy and society through ecoinnovation

Circular business models for the solar power industry

From 2018-06-01 to 2022-05-31, ongoing project

Project details

Total cost:	Topic(s):
EUR 8 255 590	CIRC-01-2016-2017 - Systemic, eco-innovative approaches for the circular
EU contribution:	economy: large-scale demonstration projects
EUR 7 014 892,76	Call for proposal:
Coordinated in:	H2020-CIRC-2017TwoStage See other projects for this call
Belgium	Funding scheme:
	IA - Innovation action

Objective

Solar power generates nearly 4% (and still growing) of Europe's electricity demand. In 2021, the 200 GW of capacity installed in Europe will result in saving of 219 million CO2 tons/year. By 2030, 8 mill tons of PV panels are expected.

Resource efficiency is a critical success factor for the solar power sustainable growth. Performance-based, third-party ownership Product-Service System (PSS) has been widely seen as a key circular economic model to stimulate resource efficiency and reduce waste generation. CIRCUSOL aims to establish solar power as a spearhead sector to demonstrate a path driven by PSS business models towards a circular economy in Europe.

Through a co-creative approach with end-users and the entire value chain, CIRCUSOL will develop two main blocks of a circular PSS model: circular product management with re-use/refurbish/remanufacture ("second-life") paths in addition to recycling, and value-added new product-services for residential, commercial and utility end-users. Five large-scale, real-life demonstrators will be set up in these 3 market segments, in 3 European countries (FR, BE and CH) to validate market acceptance, business viability and resource efficiency benefits.

CIRCUSOL will deliver tangible innovation for the solar power industry with market-validated PSS business models, 2nd-life PV/battery labelling/certification protocols and cost/application analysis, and an info-sharing ICT platform. The results will be exploited in FR, BE and CH and prepared for replication in Europe (Letters of Support of stakeholders attached). CIRCUSOL will also deliver verified circular business innovation methodologies for broader use by other industries, sustainability professionals and academia; plus evidence-based knowledge in circular economy implementation for policy makers. All together, CIRCUSOL will contribute to a more resource efficient Europe, while reducing GHG emissions and creating new business opportunities and jobs.

Related information

News

CIRCUSOL: Solar power business models towards a circular economy in Europe



Coordinator

VLAAMSE INSTELLING VOOR TECHNOLOGISCH ONDERZOEK N.V. BOERETANG 200 2400 MOL Belgium

Activity type: Research Organisations Contact the organisation

Participants

LUNDS UNIVERSITET Paradisgatan 5c 22100 Lund Sweden

Activity type: Higher or Secondary Education Establishments Contact the organisation

BERNER FACHHOCHSCHULE FALKENPLATZ 24 3012 BERN Switzerland

Activity type: Higher or Secondary Education Establishments Contact the organisation

INTERUNIVERSITAIR MICRO-ELECTRONICA CENTRUM KAPELDREEF 75 3001 LEUVEN Belgium

Activity type: Research Organisations Contact the organisation

UAB SOLI TEK R&D MOKSLININKU G. 6A LT-08412 VILNIUS Lithuania

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Switzerland

EU contribution: EUR 505

Sweden

221.25

Belgium

002,50

EU contribution: EUR 748 650

Lithuania

EU contribution: EUR 602

EU contribution: EUR 186 900

Belgium EU contribution: EUR 1 397 406,25



EU

AVENUE JEAN JAURES **EU contribution:** EUR 418 643,75 **12110 VIVIEZ** France Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation COMMISSARIAT A L ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES France **RUE LEBLANC 25** EU contribution: EUR 666 902,50 75015 PARIS 15 France Activity type: Research Organisations Contact the organisation ECOPOWER Belgium Posthoflei 3 **EU contribution:** EUR 461 867,88 2600 Berchem Belgium See on map Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation **PV CYCLE** Belgium **BOULEVARD BRAND WHITLOCK 114/5** EU contribution: EUR 199 750 1200 BRUXELLES Belgium Activity type: Other Contact the organisation **BKW Energie AG** Switzerland Viktoriaplatz 2 EU contribution: EUR 105 875 3013 Bern Switzerland Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation FUTECH Belgium

France

EU contribution: EUR 1 023

825,25

AMBACHTSSTRAAT 19/2124 3980 TESSENDERLO Belgium

SOCIETE NOUVELLE D'AFFINAGE DES METAUX-SNAM

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation



SOREA SOCIETE DES REGIES DE L'ARC 6 RUE PORTE MARTEL ZA DU PRE DE PAQUES 73870 SAINT JULIEN MONT DENIS France

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

DAIDALOS PEUTZ BOUWFYSISCH INGENIEURSBUREAU VITAL DECOSTERSTRAAT 67A BUS 0001 3000 LEUVEN Belgium

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

ZABALA INNOVATION CONSULTING, S.A. PASEO SANTXIKI 3 BIS 31192 MUTILVA ALTA NAVARRA Spain

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

LOSER CHEMIE GMBH KOPERNIKUSSTRASSE 38-42 08056 ZWICKAU Germany

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2018-06-28 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/216081_en.html © European Union, 2018 Belgium

EU contribution: EUR 119 255,50

Spain EU contribution: EUR 313 906,25

Germany EU contribution: EUR 67 375

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GLOPACK

Project ID: 773375

Funded under: H2020-EU.3.2.2.3. - A sustainable and competitive agri-food

industry

Granting society with LOw environmental impact innovative PACKaging

From 2018-06-01 to 2021-05-31, ongoing project

Project details

Total cost:	Topic(s):
EUR 6 658 650,36	SFS-35-2017 - Innovative solutions for sustainable food packaging
EU contribution:	Call for proposal:
EUR 5 560 785,48	H2020-SFS-2017-1 See other projects for this call
Coordinated in:	Funding scheme:
France	IA - Innovation action

Objective

GLOPACK proposes a cutting-edge strategy addressing the technical and societal barriers to spread in our social system, innovative eco-efficient packaging able to reduce food environmental footprint.

Focusing on accelerating the transition to a circular economy concept, GLOPACK aims to support users and consumers' access to innovative packaging solutions enabling the reduction and circular management of agro-food, including packaging, wastes. Building from existing key enabling but simply applicable technologies, GLOPACK will focus on increasing the TRL of the three main promising advances in the food packaging area: (1) bio-circular (biodegradable materials issued from agro-food residues conversion) packaging materials, (2) active packaging to improve food preservation and shelf-life without additives and (3) RFID enabled wireless food spoilage indicator as new generation of self-adjusting food date label.

GLOPACK strategy will tackle the diffusion of these innovation through the whole stakeholders chains, from the researcher up to the consumer, i.e. the uptake by packaging industry through pilot and large-scale processing for the selected technologies, by food companies through the deployment of a software tool for decision making and for providing proof of usefulness to all stakeholders, by others users (e.g. retailers) and consumer through user-driven adoption strategies, cost-benefit analysis and validation and retro-active adjustment in close to real conditions. Validation of the solutions including compliance with legal requirements, economic feasibility and environmental impact will push forward the three technologies tested and the related decision-making tool from TRL 3-4 to 7 for a rapid and easy market uptake contributing therefore to strengthen European companies' competitiveness in an always more globalised and connected world.

Coordinator

UNIVERSITE DE MONTPELLIER

163 RUE AUGUSTE BROUSSONNET

34090 MONTPELLIER

France

Activity type: Higher or Secondary Education Establishments Contact the organisation France

EU contribution: EUR 791 271,25



Participants

FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V. HANSASTRASSE 27C 80686 MUNCHEN Germany	Germany EU contribution: EUR 629 042,50
Activity type: Research Organisations Contact the organisation	
PACK4FOOD COUPURE LINKS 653 9000 GENT Belgium	Belgium EU contribution: EUR 412 123,75
Activity type: Other Contact the organisation	
Campden BRI Magyarorszag Nonprofit Korlatolt Felelossegu Tarsasag HALLER U 2 1096 BUDAPEST Hungary	Hungary EU contribution: EUR 389 535,63
Activity type: Research Organisations Contact the organisation	
CREME SOFTWARE LTD The Tower, Trinity Technology and Enterprise Campus, Grand Canal Quay D2 DUBLIN Ireland	Ireland EU contribution: EUR 531 664
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establish Contact the organisation	ments)
FURST-PLAST RUE BARTHELEMY CONTESTIN - ZONE ARTISANALE LIEUDIT LA GARE 6 30300 FOURQUES France	France EU contribution: EUR 88 762,19
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establish Contact the organisation	ments)
SOREDAB SAS LA TREMBLAYE 78125 LA BOISSIERE France	France EU contribution: EUR 67 886
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establish	ments)

Contact the organisation



INNOVEN SRL Italy VIA LE GRAZIE 15 EU contribution: EUR 268 327,50 37134 VERONA Italy Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation INSTITUTO DE BIOLOGIA EXPERIMENTAL E TECNOLOGICA Portugal AVENIDA DA REPUBLICA QUINTO DO MARQUES EU contribution: EUR 335 305 2781 901 OEIRAS Portugal Activity type: Research Organisations Contact the organisation SYMETRIS France 29B RUE DE L'ARQUEBUSE **EU contribution:** EUR 197 109,50 21000 DIJON France Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation UNIVERSITEIT GENT Belgium SINT PIETERSNIEUWSTRAAT 25 EU contribution: EUR 383 351.25 9000 GENT Belgium Activity type: Higher or Secondary Education Establishments Contact the organisation LA VIE EST BELLE BVBA Belgium LEGEWEG 135-137 **EU contribution:** EUR 144 067,88 **8020 OOSTKAMP** Belgium Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation VLEVICO Belgium **EDINGENSESTEENWEG 196 EU contribution:** EUR 117 862,50 1500 HALLE Belgium Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishmen Contact the organisation



ECOZEPT GBR **OBERER GRABEN 22** 85354 FREISING Germany

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

COOPBOX GROUP SPA VIA VITTORIO VENETO 1 42021 BIBBIANO Italy

EU contribution: EUR 462 563,85

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

TAGEOS 515 RUE ALFRED NOBEL PARC DU MILLENAIRE 34070 MONTPELLIER France

France EU contribution: EUR 430 683,75

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2018-06-28 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/216065_en.html © European Union, 2018



Germany **EU contribution:** EUR 311

228,93

Italy





HySeas III

Project ID: 769417

Funded under: H2020-EU.3.4. - SOCIETAL CHALLENGES - Smart, Green And Integrated

Transport

Realising the world's first sea-going hydrogen-powered RoPax ferry and a business model for European islands

From 2018-07-01 to 2021-12-31, ongoing project

Project details

Total cost:	Topic(s):	
EUR 12 579 610	MG-2.4-2017 - Complex and value-added specialised vessels	
EU contribution:	Call for proposal:	
EUR 9 276 373,01	H2020-MG-2017-Two-Stages See other projects for this call	
Coordinated in:	Funding scheme:	
United Kingdom	IA - Innovation action	

Objective

The HySeas III project will bring to market the world's first zero emission, sea-going ferry that will be powered by hydrogen from renewable sources. It builds on the pioneering experience of the coordinator (Ferguson Marine), which previously developed the first diesel/electric hybrid ferry in 2013, and involves the leading European supplier of hydrogen fuel cell modules (Ballard Power Systems). The project will not only develop and validate this advanced ferry concept but a prototype version will be constructed and demonstrated in operational service with co-funding from the regional Government in Scotland (which will commission the building of the ferry). It will also demonstrate a novel circular economy model for the local production of hydrogen fuel that could transform the coastal and island economies around Europe. It will be implemented by eight complementary partners, from six countries (BE, DE, DK, FR, NO, UK), through seven interrelated work packages. These include the development and land-side testing of the complete drivetrain, integration within a new concept ferry design and monitoring of its performance in a real island-to-island environment (Orkney Islands). In addition, there will be a dedicated work package aimed at rapid exploitation based on evidence from the marine trials and an innovative business model to overcome the capital investment barriers to replication. The communication & dissemination work package will include engagement with potential follower regions across Europe and be led by the European Office of Interferry, which represents the worldwide ferry industry. Other relevant European associations and networks will participate in a 'Stakeholder Advisory Group' to ensure that the results are widely disseminated to all interested parties.

Coordinator

THE UNIVERSITY COURT OF THE UNIVERSITY OF ST ANDREWS

NORTH STREET 66 COLLEGE GATE

KY16 9AJ ST ANDREWS

United Kingdom

Activity type: Higher or Secondary Education Establishments Contact the organisation United Kingdom EU contribution: EUR 494 570



Participants

FERGUSON MARINE ENGINEERING LTD 1 REDWOOD CRESCENT EAST KILBRIDE G74 5PA GLASGOW United Kingdom

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

KONGSBERG MARITIME AS STRANDPROMENADEN 50 3183 HORTEN Norway

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

BALLARD POWER SYSTEMS EUROPE AS MAJSMARKEN 1 9500 HOBRO Denmark

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

ORKNEY ISLANDS COUNCIL SCHOOL PLACE COUNCIL OFFICES KW15 1NY KIRKWALL ORKNEY United Kingdom

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

DLR-INSTITUT FUR VERNETZTE ENERGIESYSTEME EV CARL VON OSSIETZKY STRASSE 15 26129 OLDENBURG Germany

Activity type: Research Organisations Contact the organisation

McPhy Energy SA La Riétière -Zone d' activités 26190 La Motte Fanjas France

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

United Kingdom EU contribution: EUR 2 635 128,13

Norway EU contribution: EUR 2 087 974,88

Denmark **EU contribution:** EUR 2 668 575

United Kingdom EU contribution: EUR 643 750

Germany EU contribution: EUR 430 500

France EU contribution: EUR 230 125


EUROPEAN FERRY COMPANY RUE DUCALE 67 B2 1000 BRUXELLES Belgium

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2018-06-28 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/216017_en.html © European Union, 2018







GeoRes

Project ID: 778120

Funded under: H2020-EU.1.3.3. - Stimulating innovation by means of cross-fertilisation of knowledge

Geomaterials: from Waste to Resource

From 2018-03-01 to 2022-02-28, ongoing project

Project details

Total cost:	Topic(s):	
EUR 963 000	MSCA-RISE-2017 - Research and Innovation Staff Exchange	
EU contribution:	Call for proposal:	
EUR 886 500	H2020-MSCA-RISE-2017 See other projects for this call	
Coordinated in:	Funding scheme:	
United Kingdom	MSCA-RISE - Marie Skłodowska-Curie Research and Innovation Staff Exchange (RISE)	

Objective

GeoRes aims to expand the scope of the involved teams' research in addressing some of the outstanding challenges in geotechnical and geoenvironmental engineering: developing innovative solutions for the reuse of waste geomaterials generated by construction and mining industries across Europe. Geomaterial waste represents half of the waste volume generated in EU-27. These waste geomaterials generally exhibit poor engineering characteristics that prevent their direct reuse on construction/mining sites. However, if adequately treated, they could represent an excellent resource for construction purposes with significant money saving and reduction in the environmental footprint, thus contributing to the establishment of a circular economy. To achieve this, GeoRes will develop protocols, software and tools to improve the engineering characteristics of waste geomaterials, and to guarantee the level of performance over the service life of geostructures built from waste geomaterials considering site-specific conditions. The fundamental concern of the research in the GeoRes network is thus to develop strategies and tools for sustainable reuse of waste geomaterials generated by geoengineering activities, and to determine how to turn a waste geomaterial into a valued durable material, with a positive revenue stream. The proposed network is at the interface of two domains of engineering; geotechnical and geoenvironmental. Even today, it is not easy to find researchers with expertise in both geotechnical and geoenvironmental engineering. We intend to form a multidisciplinary and intersectoral consortium composed of 6 academic and 5 industrial beneficiaries and 6 Third Country partners which aim to address this problem. GeoRes will create a multidisciplinary and intersectoral network of creative and innovative researchers and practising engineers ready to face geotechnical and geoenvironmental engineering challenges which arise in the vanguard of technological innovation.

Coordinator

THE UNIVERSITY OF EXETER THE QUEEN S DRIVE NORTHCOTE HOUSE EX4 4QJ EXETER United Kingdom

Activity type: Higher or Secondary Education Establishments Contact the organisation United Kingdom EU contribution: EUR 252 000



Participants

UNIVERSITE DE LORRAINE COURS LEOPOLD 34 54052 NANCY CEDEX France	France EU contribution: EUR 274 500
Activity type: Higher or Secondary Education Establishments Contact the organisation	
UNIVERSITA DEGLI STUDI DI CASSINO E DEL LAZIO MERIDIONALE VIALE DELL UNIVERSITA - CAMPUS FOLCARA 03043 CASSINO Italy	Italy EU contribution: EUR 139 500
Activity type: Higher or Secondary Education Establishments Contact the organisation	
LULEA TEKNISKA UNIVERSITET UNIVERSITETSOMRADET PORSON 971 87 LULEA Sweden	Sweden EU contribution: EUR 108 000
Activity type: Higher or Secondary Education Establishments Contact the organisation	
GRONLANDS NATURINSTITUT Kivioq 2 3900 NUUK Greenland	Greenland EU contribution: EUR 9 000
Activity type: Research Organisations Contact the organisation	
STIFTELSEN NORGES GEOTEKNISKE INSTITUTT Sognsveien 72 N-0855 OSLO Norway	Norway EU contribution: EUR 27 000
Activity type: Research Organisations Contact the organisation	

RAMBOLL SVERIGE AB

104 62 STOCKHOLM Sweden

,

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation



Sweden

EU contribution: EUR 22 500

GINGER CEBTP AV. GAY LUSSAC 12 78990 ELANCOURT France

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

ECOLOOP AB STADSGARDEN 6 116 45 STOCKHOLM Sweden

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

HORIZON CONSULTING ENGINEERS LIMITED 26-28 SOUTHERNHAY EAST EX1 1NS EXETER United Kingdom

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

SYNOPSYS (NORTHERN EUROPE) LIMITED BROOK DRIVE 100 GREEN PARK RG2 6UJ READING BERKSHIRE United Kingdom

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Partner organisations

CORPORATION DE L ECOLE POLYTECHNIQUE DE MONTREAL ASSOCIATION BLVD EDOUARD MONTPETIT 2900 H3T 1J4 MONTREAL Canada

Activity type: Higher or Secondary Education Establishments Contact the organisation

MONASH

UNIVERSITY Wellington Road 3800 VICTORIA Australia

> Activity type: Higher or Secondary Education Establishments Contact the organisation

Sweden
EU contribution: EUR 9 000

United Kingdom EU contribution: EUR 18 000

United Kingdom EU contribution: EUR 9 000

Canada

Australia



UNIVERSIDAD DE LOS ANDES FUNDACION	Colombia
CARRERA 1 18A-10 - BOGOTA DC	
Colombia	
Activity type: Higher or Secondary Education Establishments	
Contact the organisation	
UNIVERSIDADE FEDERAL DO RIO GRANDE DO	Brazil
SUL	
AVENIDA PAULO GAMA 110	
90046900 PORTO ALEGRE	
Brazil	
Activity type: Higher or Secondary Education Establishments	
Contact the organisation	
ZHONGGUO KEXUEYUAN WUHAN YANTU LIXUE	China
YANIUSUO	
XIAOHONGSHAN 2	
430071 WUHAN	
China	
Activity type: Higher or Secondary Education Establishments	
Contact the organisation	
DENESHGAH E ELM SANAAT E	Iran
IRAN	
NARMAK TEHRAN 1684613114	
16845 163 TEHRAN	
Iran	
Activity type: Higher or Secondary Education Establishments	
Contact the organisation	
Last updated on 2018-06-28	
Retrieved on 2018-07-19	
Permalink: https://cordis.europa.eu/project/rcn/216101_en.html	
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IMPAQT

Project ID: 774109

Funded under: H2020-EU.3.2.3. - Unlocking the potential of aquatic living

resources

Intelligent management system for integrated multi-trophic aquaculture

From 2018-05-01 to 2021-04-30, ongoing project

Project details

Total cost:	Topic(s):	
EUR 6 218 180	SFS-32-2017 - Promoting and supporting the eco-intensification of aquaculture	
EU contribution:	production systems: inland (including fresh water), coastal zone, and offshore	
EUR 5 883 180	Call for proposal:	
Coordinated in:	H2020-SFS-2017-2 See other projects for this call	
Ireland	Funding scheme:	
	RIA - Research and Innovation action	

Objective

The Integrated Multi-Trophic Aquaculture (IMTA) is acknowledged as a promising solution for the sustainable development of aquaculture. However, IMTA has been only tested at very small scale in Europe, while management of large-scale IMTA areas remains difficult.

The high level ambition of Impaqt project is to drive a paradigm shift in the EU Industry and its , paving the way to both a more environmentally friendly and more efficient/higher yielding European Industry. To that respect, Impaqt proposes an intelligent management platform for IMTA. Impaqt will develop and deploy novel sensors and data sources, together with smart systems required for long term autonomous monitoring in the field. An advanced IMTA model will be provided which yields spatially explicit information on how the different farm components interact with the environment on the scale of an ecosystem and that can be used for planning decisions by both farmers and regulators. Last but not least, an integrated management system, operating at the scale of an IMTA farm and comprising analytics and decision support functionalities, will be developed to enable enhanced operational decisions for animal welfare, production optimization, environmental protection and food quality assessment.

Impaqt systems and models will be validated in 6 pilots (Scotland, The Netherlands, Ireland, Turkey and China), addressing inland, coastal and offshore aquaculture. Impaqt will demonstrate the eco-intensification of EU aquaculture, by demonstrating the eco-efficiency and the environmental impacts minimized, the socioeconomic benefits and ecosystem services enabled, as well as the transition towards a circular economy business model. Impaqt brings together a considerable range of partners including 14 academic/research organizations, 4 SMEs and 3 large industries, all leaders in their respective fields/business, while aims to effectively transfer the project's results to relevant stakeholders through training activities.



Coordinator

MARINE INSTITUTE	Ireland
Rinville, Oranmore	EU contribution: EUR 557
- GALWAY	907,50
Ireland	
Activity type: Research Organisations	
Contact the organisation	
Participants	
WINGS ICT SOLUTIONS INFORMATION & COMMUNICATION TECHNOLOGIES EPE	Greece
LEOF. SYGGROU 336 KALLITHEA	EU contribution: EUR 399 375
17673 ATHINA	
Greece	
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establi	shments)
Contact the organisation	
INTRASOFT INTERNATIONAL SA	Luxembourg
RUE NICOLAS BOVE 2B	EU contribution: EUR 400 000
1253 LUXEMBOURG	
Luxembourg	
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establi	shments)
Contact the organisation	
STICHTING NOORDZEEBOERDERIJ	Netherlands
LANDSDIEP 4	EU contribution: EUR 378
1797 SZ DEN HOORN	292,50
Netherlands	
Activity type: Other	
Contact the organisation	
NETAS TELEKOMUNIKASYON ANONIM SIRKETI	Turkey
YENISEHIR MAH. OSMANLI BULVARI NO:1 ESAS AEROPARK BINASI KURTKOY PENDIK	EU contribution: EUR 270 000
34912 ISTANBUL	
Turkey	
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establi	shments)
Contact the organisation	

Page 39 of 184 Research and Innovation CAMLI YEM BESICILIK SANAYI VE TICARET ANONIM SIRKETI Turkey **KEMALPASA CADDESI 250A ISIKKENT** EU contribution: EUR 393 652,50 35070 IZMIR Turkey Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation EASY GLOBAL MARKET SAS France ROUTE DES LUCIOLES 2000 CS 90029 LES ALGORTIHMES BATIMENT A EU contribution: EUR 224 937,50 06410 BIOT France Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation ACRI-HE France 40 QUAI DE LA DOUANE EU contribution: EUR 225 000 29200 BREST France Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation UNPARALLEL INNOVATION LDA Portugal RUA DAS LENDAS ALGARVIAS LOTE 123 EU contribution: EUR 235 900 8500-794 PORTIMAO Portugal Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation STICHTING DELTARES Netherlands **BOUSSINESQWEG 1 EU contribution:** EUR 150 746,25 2629 HV DELFT Netherlands Activity type: Research Organisations Contact the organisation THE OPEN UNIVERSITY United Kingdom WALTON HALL **EU contribution:** EUR 125 631,25 MK7 6AA MILTON KEYNES United Kingdom Activity type: Higher or Secondary Education Establishments Contact the organisation

> Page 40 of 184 Research and Innovation

THE SCOTTISH ASSOCIATION FOR MARINESCIENCE LBG	Denmark
SCOTTISH MARINE INSTITUTE	EU contribution: EUR 458 500
PA37 1QA DUNBEG OBAN	
Denmark	
Activity type: Research Organisations	
Contact the organisation	
UNIVERSITY COLLEGE CORK - NATIONAL UNIVERSITY OF IRELAND, CORK	Ireland
WESTERN ROAD	EU contribution: EUR 412 925
T12 YN60 Cork	
Ireland	
Activity type: Higher or Secondary Education Establishments	
Contact the organisation	
INSTYTUT OCEANOLOGII POLSKIEJ AKADEMII NAUK	Poland
UL. POWSTANCOW WARSZAWY 55	EU contribution: EUR 150 000
81 712 SOPOT	
Poland	
Activity type: Research Organisations	
Contact the organisation	
ACONDICIONAMIENTO TARRASENSE ASSOCIACION	Spain
CARRER DE LA INNOVACIO 2	EU contribution: EUR 401
08225 TERRASSA	187,50
Spain	
Activity type: Research Organisations	
Contact the organisation	
AGRICULTURAL UNIVERSITY OF ATHENS	Greece
lera Odos 75	EU contribution: EUR 315 000
11855 ATHENS	
Greece	
Activity type: Higher or Secondary Education Establishments	
Contact the organisation	
HAROKOPIO UNIVERSITY	Greece
El. Venizelou Street 70	EU contribution: EUR 125 000
176 71 ATHENS	
Greece	

Activity type: Higher or Secondary Education Establishments Contact the organisation



UNIVERSITA DEGLI STUDI DI ROMA TOR VERGATA Italy **VIA CRACOVIA 50** EU contribution: EUR 314 375 00133 ROMA Italy Activity type: Higher or Secondary Education Establishments Contact the organisation DOKUZ EYLUL UNIVERSITESI Turkey **CUMHURIYET BULVARI 144** EU contribution: EUR 140 000 35210 ALSANCAK IZMIR Turkey Activity type: Higher or Secondary Education Establishments Contact the organisation FUNDACION EMPRESA UNIVERSIDAD GALLEGA Spain RUA LOPE GOMEZ DE MARZOA CAMPUS UNIVERSITARIO SUR EU contribution: EUR 204 750 15705 SANTIAGO DE COMPOSTELA Spain Activity type: Other Contact the organisation YELLOW SEA FISHERIES RESEARCH INSTITUTE, CHINESE ACADEMY OF FISHERY SCIENCES China NANJING ROAD 106 **EU contribution:** EUR 0 266071 QINGDAO China Activity type: Research Organisations Contact the organisation

Last updated on 2018-06-27 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/216066 en.html © European Union, 2018

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COASTAL

Project ID: 773782

Funded under: H2020-EU.3.2.1.3. - Empowerment of rural areas, support to policies and rural innovation H2020-EU.3.2.5. - Cross-cutting marine and maritime research

Collaborative IAnd Sea inTegration pLatform

From 2018-05-01 to 2022-04-30, ongoing project

Project details

	-
Total cost:	Topic(s):
EUR 4 999 943,75	RUR-02-2017 - Coastal-rural interactions: Enhancing synergies between land
EU contribution:	and sea-based activities
EUR 4 999 943,75	Call for proposal:
Coordinated in:	H2020-RUR-2017-2 See other projects for this call
Belgium	Funding scheme:
	RIA - Research and Innovation action

Objective

The goal of the COASTAL project is to formulate and evaluate business solutions and policy recommendations aimed at improving the coastal-rural synergy to foster rural and coastal development while preserving the environment. Rural development in the EU is increasingly affected by changing market developments, decreasing population densities, urban sprawl, lack of employment, desertification and other environmental, economic and social pressures. On the other hand, coastal areas provide interesting business opportunities but are also influenced by economic activities in the hinterland. Multi-Actor Approaches will be combined with System Dynamics to analyse the environmental, economic, and social interactions of rural and coastal areas in a holistic manner. The underlying feedback structures governing the dynamics, vulnerabilities, limitations, and business opportunities of the land-sea system will be identified and analysed, taking into consideration the regulatory frameworks, stakeholder priorities and social-economic conditions at the local, regional and macro-regional scale levels. Multi-Actor Labs using qualitative and quantitative tools will be set up to support the co-creation exchanges between scientific experts, stakeholders, business entrepreneurs, sector- and administrative representatives. The project will be structured around six closely interacting work packages with six complementary case studies in Sweden, Belgium, France, Spain, Greece and Romania.

Coordinator

VLAAMSE INSTELLING VOOR TECHNOLOGISCH ONDERZOEK N.V.

BOERETANG 200

2400 MOL

Belgium

Activity type: Research Organisations

Contact the organisation

Belgium

EU contribution: EUR 1 012 187,50



Participants

HELLENIC CENTRE FOR MARINE RESEARCH	Greece
LEOFOROS ATHENS SOUNIO 46 7KM	EU contribution: EUR 408 750
19013 ATTIKIA ANAVISSOS	
Greece	
Activity type: Research Organisations	
Contact the organisation	
STOCKHOLMS UNIVERSITET	Sweden
Universitetsvaegen 10	EU contribution: EUR 490 125
10691 STOCKHOLM	
Sweden	
Activity type: Higher or Secondary Education Establishments	
Contact the organisation	
SINTEF OCEAN AS	Norway
OTTO NIELSENS VEG 10	EU contribution: EUR 387 500
7052 TRONDHEIM	
Norway	
Activity type: Research Organisations	
Contact the organisation	
INSTITUT NATIONAL DE RECHERCHE EN SCIENCES ET TECHNOLOGIES POUR L'ENVIRONNEMENT ET L'AGRICULTURE	France
RUE PIERRE GILLES DE GENNES 1	EU contribution: EUR 562 250
92761 ANTONY CEDEX	
France	
Activity type: Research Organisations	
Contact the organisation	
INSTITUTUL NATIONAL DE CERCETARE-DEZVOLTARE MARINA GRIGORE ANTIPA	Romania
MAMAIA BLVD. 300	EU contribution: EUR 225 625
900581 CONSTANTA	
Romania	
Activity type: Research Organisations	
Contact the organisation	
INSTITUTUL DE CERCETARE PENTRU ECONOMIA AGRICULTURII SI DEZVOLTARE RURALA	Romania
BUCURESTI	
BULEVARDUL MARASTI 61 SECTOR 1	EU contribution: EUR 198 750
011464 BUCURESTI	
Romania	

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation



INTERNATIONAL CENTER FOR RESEARCH ON THE ENVIRONMENT AND THE ECONOMY LEFKOTHEAS 8 14578 EKALIS Greece	Greece EU contribution: EUR 244 375
Activity type: Other Contact the organisation	
AGENCIA ESTATAL CONSEJO SUPERIOR DEINVESTIGACIONES CIENTIFICAS CALLE SERRANO 117 28006 MADRID Spain	Spain EU contribution: EUR 333 705
Activity type: Research Organisations Contact the organisation	
GEONARDO ENVIRONMENTAL TECHNOLOGIES LTD ZAHONY U 7 1031 BUDAPEST Hungary	Hungary EU contribution: EUR 219 000
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establish Contact the organisation	iments)
GREENBRIDGE INCUBATIE-EN INNOVATIECENTRUM GENT-OOSTENDE WETENSCHAPSPARK 1 8400 OOSTENDE Belgium	Belgium EU contribution: EUR 281 130
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establish Contact the organisation	iments)
VLAAMSE LANDMAATSCHAPPIJ NV GULDEN VLIESLAAN 72 1060 BRUSSEL Belgium	Belgium EU contribution: EUR 56 662,50
Activity type: Research Organisations Contact the organisation	
PROVINCIALE ONTWIKKELINGSMAATSCHAPPIJ WEST-VLAANDEREN KONING LEOPOLD III LAAN 66 8200 BRUGGE Belgium Activity type: Public bodies (excluding Besearch Organisations and Secondary or Higher Fr	Belgium EU contribution: EUR 48 437,50

Contact the organisation



STIFTELSEN THE STOCKHOLM ENVIRONMENT INSTITUTE BOX 24218 104 51 STOCKHOLM Sweden

Activity type: Research Organisations Contact the organisation

NIRAS SWEDEN AB BOX 761 EU contribution: EUR 49 125 601 17 NORRKOPING Sweden

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

CAMPUS ROSLAGEN AB Sweden **EVERT TAUBES GATA 1 EU contribution:** EUR 39 146,25 761 46 NORRTALJE Sweden

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

LUONNONVARAKESKUS LATOKARTANONKAARI 9 00790 HELSINKI Finland

Activity type: Research Organisations Contact the organisation

ASOCIATIA GAL DELTA DUNARII Ovidiu 152 827172 Malcoci Romania

Activity type: Other Contact the organisation

ASOCIATIA GRUPUL DE ACTIUNE LOCALA DOBROGEA CENTRALA STR DECEBAL 35 605600 MEDGIDIA Romania

Activity type: Other Contact the organisation

Finland EU contribution: EUR 44 805

> Romania **EU contribution:** EUR 19 312,50

> Romania **EU contribution:** EUR 19 312,50



Sweden

Sweden

EU contribution: EUR 53 928,75

TOURISTIKES EPICHIRISEIS MESSINIAS ANONIMI ETAIREIA Greece PENTELIS STR. 5 **EU contribution:** EUR 27 187,50 175 64 ATHINA Greece Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation IDRYMA KAPETAN VASILI KAI KARMEN KONSTENTEKOPOULOU Greece EO PYLOU KALAMATAS **EU contribution:** EUR 14 812,50 24001 MYTIKAS Greece Activity type: Other Contact the organisation ANAPTYXIAKH MESSINIAS ANAPTYXIAKH AE Greece **OMIROU & MAIZONOS 50 EU contribution:** EUR 14 812,50 24132 KALAMATA Greece Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation CONSEJERIA DE TURISMO, CULTURA Y MEDIO AMBIENTE DE LA REGION DE MURCIA Spain C/ CATEDRATICO EUGENIO UBEDA 3, 3 **EU contribution:** EUR 21 562.50 30007 MURCIA Spain Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation FEDERACION DE COOPERATIVAS AGRARIASDE MURCIA S COOP Spain **CALLE CABALLERO 13** EU contribution: EUR 27 862,50 30002 MURCIA Spain Activity type: Other Contact the organisation CHAMBRE REGIONALE D'AGRICULTURE NOUVELLE -AOUITAINE France **BOULEVARD DES ARADES EU contribution:** EUR 47 212,50 87060 LIMOGES France Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)

Contact the organisation



HAVEN OOSTENDE AUTONOOM GEMEENTELIJK HAVENBEDRIJF SLIJKENSESTEENWEG 2 8400 OOSTENDE Belgium

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

FEDERATION REGIONALE D'AGRICULTUREBIOLOGIQUE NOUVELLE AQUITAINE	France
AVENUE THIERS 347	EU contribution: EUR 31
33100 BORDEAUX	406,25
France	

Activity type: Other Contact the organisation

VLAAMS INSTITUUT VOOR DE ZEE VZW WANDELAARKAAI 7 8400 OOSTENDE Belgium

Activity type: Research Organisations Contact the organisation

GLOBAL UTMANING BIRGER JARLSGATAN 27 111 45 Stockholm Sweden

Activity type: Other Contact the organisation

Last updated on 2018-06-22 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/215939_en.html © European Union, 2018 Sweden EU contribution: EUR 28 875

EU contribution: EUR 46

EU contribution: EUR 45 828,75

Belgium

Belgium

256,25

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IRS-CESC

Project ID: 792855

Funded under: H2020-EU.1.3.2. - Nurturing excellence by means of cross-border and cross-sector mobility

THE ROLE OF THE INFORMAL RECYCLING SECTOR ON CLOSING THE LOOPS TO SUSTAINABLE CITIES

From 2018-06-01 to 2019-11-30, ongoing project

Project details

Total cost:	Topic(s):
EUR 146 591,10	MSCA-IF-2017 - Individual Fellowships
EU contribution:	Call for proposal:
EUR 146 591,10	H2020-MSCA-IF-2017 See other projects for this call
Coordinated in:	Funding scheme:
United Kingdom	MSCA-IF-EF-CAR - CAR - Career Restart panel

Objective

It is widely recognized that waste recycling can reduce both natural resource scarcity and negative environmental impacts of increasing trash production. Expanding the waste recycling is a key to construct Circular Economy (CE) approaches, contributing significantly to the global climate-change mitigation effort, at both local and national scales. Integrated Sustainable Waste Management (ISWM), of which waste recycling encompasses one part, is essential on a global scale. Innovative, low-cost methods of waste recycling was developed by vulnerable and marginalized waste pickers , which have led to the creation of an informal waste recycling sector (IRS) which are currently being used in Brazil and others LMIC, and have the potential to be more widely deployed. The IRS has developed work procedures that diverge from those deployed in EU recycling, setting a social technology (ST). This IRS ST is beneficial to ISWM, as it diminishes overall costs and amplifies quantities recovered, besides providing income to a poor, jobless population.

This research will validate the possible gains from disseminating the Brazilian IRS ST to other LMIC countries as an ISWM policy and in support to CE strategies, which will involve a comparison of the Brazilian IRS with the EU recycling model; as such, it will consider how to make social and ecological value visible in value-analysis methods. The research will be carried on by the ER, whose ten years' research has driven to a crossing point of economics, engineering, and environmental disciplines, the same scope of University of Leeds' Cities theme. These will enable the ER to acquire the new skills and experience to achieve a position of an independent and professionally mature researcher in the field of CE at international level, leading interdisciplinary action-research groups to support international organizations on initiatives to more sustainable and inclusive cities, in direction to a Green Economy.

Coordinator

UNIVERSITY OF LEEDS WOODHOUSE LANE LS2 9JT LEEDS United Kingdom

Activity type: Higher or Secondary Education Establishments Contact the organisation United Kingdom

EU contribution: EUR 146 591,10



Last updated on 2018-06-07 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/215101_en.html

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Circular Agronomics

Project ID: 773649

Funded under:

H2020-EU.3.2.1.1. - Increasing production efficiency and coping with climate change, while ensuring sustainability and resilience

CIRCULAR AGRONOMICS - Efficient Carbon, Nitrogen and Phosphorus cycling in the European Agri-food System and related up- and down-stream processes to mitigate emissions

From 2018-09-01 to 2022-08-31, Grant Agreement signed

Project details

Total cost:	Topic(s):	
EUR 7 032 749,04	SFS-30-2017 - Closing loops at farm and regional levels to mitigate GHG	
EU contribution:	emissions and environmental contamination - focus on carbon, nitrogen and	
EUR 6 999 795,50	phosphorus cycling in agro-ecosystems	
Coordinated in:	Call for proposal:	
Spain	H2020-SFS-2017-2 See other projects for this call	
	Funding scheme:	
	RIA - Research and Innovation action	

Objective

Circular Agronomics (CA) provides a comprehensive synthesis of practical solutions to improve the current Carbon (C), Nitrogen (N) and Phosphorus (P) cycling in European agro-ecosystems and related up- and down-stream processes within the value-chain of food production. The proposed solutions would constitute a further step towards making agriculture an integral part of a circular economy by increasing resource efficiency while simultaneously addressing associated environmental challenges such as greenhouse gas and ammonia emissions as well as eutrophication of water bodies. Along 7 work packages and 6 case-studies, representing locations with different biogeographic conditions and environmental challenges typical for the European agricultural sector, the objective of CA is to contribute to a development towards sustainable, resilient and inclusive economies that are part of circular and zero-waste societies. The involved multi-actor and international consortium aims (i) To increase the understanding of C, N, P flows and the related potential to reduce environmental impacts at farm and regional level under different bio-geographical conditions; (ii) To close loops within cropland farming, from livestock to cropland farming and to increase the reuse of waste/wastewater from food-industry to improve soil fertility and to increase sustainability of food production in the EU; and (iv) To contribute to the improvement of the European Agricultural Policies by providing evidence based, farmer led and consumer relevant recommendations for the agri-food chain. Cross-cutting social, economic and environmental evaluation ensure the overall sustainability of the investigated solution.



Coordinator

INSTITUT DE RECERCA I TECNOLOGIA AGROALIMENTARIES CTRA C-59 KM 12 TORRE MARIMON 08140 CALDES DE MONTBUI BARCELONA Spain

Activity type: Research Organisations Contact the organisation

Participants

KWB KOMPENTENTZZENTRUM WASSER BERLIN GEMEINNUTZIGE GMBH **CICEROSTRASSE 24** 10709 BERLIN Germany

Activity type: Research Organisations Contact the organisation

WAGENINGEN UNIVERSITY **DROEVENDAALSESTEEG 4** 6708 PB WAGENINGEN Netherlands

Activity type: Higher or Secondary Education Establishments Contact the organisation

VEREIN ZUR FORDERUNG AGRAR- UND STADTOKOLOGISCHER PROJEKTE (ASP) EV INSTITUT FUR AGRAR-UND STADTOKOLOGISCHE PROJEKTE AN DER HUMBOLDT PHILIPPSTRASSE 13 10115 BERLIN Germany

Activity type: Research Organisations Contact the organisation

TECHNISCHE UNIVERSITAET MUENCHEN Arcisstrasse 21 80333 MUENCHEN Germany

Activity type: Higher or Secondary Education Establishments Contact the organisation

Spain EU contribution: EUR 1 181 422

> Germany **EU contribution:** EUR 598 437.50

> Netherlands EU contribution: EUR 564 781.25

> > Germany

EU contribution: EUR 388 375

Germany

EU contribution: EUR 525 656,25

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HOEHERE BUNDESLEHR- UND FORSCHUNGSANSTALT FUER LANDWIRTSCHAFT RAUMBERG- GUMPENSTEIN	Austria
RAUMBERG 38 8952 IRDNING-DONNERSBACHTAL Austria	EU contribution: EUR 300 511,75
Activity type: Research Organisations Contact the organisation	
CENTRE DE RECERCA EN ECONOMIA I DESENVOLUPAMENT AGROALIMENTARI-UPC-IRTA PARC MEDITERRANI DE LA TECNOLOGIA EDIFICI ESAB C/ESTEVE TERRRADES 8 08860 CASTELLDEFELS Spain	Spain EU contribution: EUR 264 000
Activity type: Research Organisations Contact the organisation	
TEAGASC - AGRICULTURE AND FOOD DEVELOPMENT AUTHORITY Oak Park R93 Carlow Ireland	Ireland EU contribution: EUR 250 625
Activity type: Research Organisations Contact the organisation	
FONDAZIONE CRPA STUDI RICERCHE VIALE TIMAVO 43/2 42121 REGGIO EMILIA Italy	Italy EU contribution: EUR 379 375
Activity type: Research Organisations Contact the organisation	
THE RURAL INVESTMENT SUPPORT FOR EUROPE FOUNDATION RUE DE TREVES 67 1040 BRUXELLES Belgium	Belgium EU contribution: EUR 373 162,50
Activity type: Other Contact the organisation	
SOGESCA s.r.l. Via Pitagora 11 a 35030 RUBANO Italy	Italy EU contribution: EUR 194 350
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establish Contact the organisation	ments)



PONDUS VERFAHRENSTECHNIK GMBH Germany LUISE-VON-WERDECK-STRASSE 24 **EU contribution:** EUR 523 886,25 14513 TELTOW Germany Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation EMA DEPURACIO I ENGINYERIA DE L'AIGUA Spain AVDA SANT JORDI 176 EU contribution: EUR 216 963 17800 OLOT Spain Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation NUTRIENTS RECOVERY SYSTEMS Belgium **HOEKSTRAAT 3** EU contribution: EUR 300 000 8540 DEERLIJK Belgium Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation EASTERN AFRICA FARMERS' FEDERATION SOCIETY Kenya RHAPTA ROAD NELLEON PLACE WESTLANDS EU contribution: EUR 170 500 00800 NAIROBI Kenya Activity type: Other Contact the organisation ASIO SPOL SRO Czech **KSIROVA 552/45** EU contribution: EUR 303 000 619 00 BRNO **Czech Republic** Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation SOEPENBERG FERTILIZERS BV Netherlands PARKWEG 15 EU contribution: EUR 136 250 7411 SG DEVENTER Netherlands Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation



Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

Last updated on 2018-05-16 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/214742_en.html

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NEMO

Project ID: 776846

Funded under:

H2020-EU.3.5.3. - Ensuring the sustainable supply of non-energy and non-agricultural raw materials

Near-zero-waste recycling of low-grade sulphidic mining waste for critical-metal, mineral and construction raw-material production in a circular economy

From 2018-05-01 to 2022-04-30, ongoing project

Project details

Total cost:	Topic(s):	
EUR 14 941 396,50	SC5-14-2016-2017 - Raw materials Innovation actions	
EU contribution:	Call for proposal:	
EUR 12 407 294,63	H2020-SC5-2017-TwoStage See other projects for this call	
Coordinated in:	Funding scheme:	
Finland	IA - Innovation action	

Objective

With an estimated volume of 600 Mtonne/yr and a historic stockpile of 28,000 Mtonne, sulphidic mining waste from the production of Cu, Pb, Zn and Ni, represents the largest volume of extractive waste in Europe. When poorly managed, these "tailings" may cause major environmental problems such as acid mine drainage. In 2016 EIP Raw Materials launched a "call to arms" to transform the "extractive-waste problem" into a "resource-recovery opportunity", as "tailings" still contain valuable & critical metals. Using a "4 PILOTS - 2 case-studies" concept NEMO develops, demonstrates and exploits, therefore, new ways to valorise sulphidic tailings. The 2 cases are the Sotkamo Ni-Cu-Zn-REE/Sc mine in Finland and the Las Cruces Cu-mine in Spain; the 4 PILOTS are located at key points in the near-zero-waste flowsheet, encompassing the recovery of valuable & critical metals, the safe concentration of hazardous elements, the removal of sulphur as sulphate salts, while using the residual mineral fraction in cement, concrete and construction products. NEMO has established an interdisciplinary consortium, including 8 industrial partners (2 mining, 4 engineering, 1 machine manufacturing & 1 construction material company), 4 research institutes, 2 universities and 1 civil society group. NEMO's near-zero-waste technology will provide the EU with both direct and long-term, indirect advantages. The former range from new resources (e.g. base metals: Cu, Zn, Ni, Pb; critical metals: Sc, Nd, Y, Sb; SCM and aggregates etc.), CO2 savings from metal recovery and the replacement of Ordinary Portland Cement), new job creation (> 150 FTEs), new revenues (> 200 M€/yr) while the latter represent the multiplication of the former benefits (cf. 28,000 Mtonne of these tailings), while eradicating acid-mine drainage and other environmental issues, and ensuring an enhanced dialogue (framework) between industry and civil society, to obtain and maintain the License to Operate mines in EU.



Coordinator

Teknologian tutkimuskeskus VTT Oy VUORIMIEHENTIE 3 02150 Espoo Finland

Activity type: Research Organisations Contact the organisation

Participants

VLAAMSE INSTELLING VOOR TECHNOLOGISCH ONDERZOEK N.V. BOERETANG 200 2400 MOL Belgium

Activity type: Research Organisations Contact the organisation

OPTIMIZACION ORIENTADA A LA SOSTENIBILIDAD SL AVENIDA LEONARDO DA VINCI 18 PISO 2 41092 SEVILLA Spain

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

KATHOLIEKE UNIVERSITEIT LEUVEN Oude Markt 13 3000 LEUVEN Belgium

Activity type: Higher or Secondary Education Establishments Contact the organisation

TERRAFAME GROUP OY ALEKSANTERINKATU 17/ 800 00101 HELSINKI Finland

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Finland EU contribution: EUR 1 492 836,50

Belgium EU contribution: EUR 1 430 800

Spain EU contribution: EUR 315 700

Belgium EU contribution: EUR 1 358 125

> Finland EU contribution: EUR 990 718,75



THYSSENKRUPP INDUSTRIAL SOLUTIONS AG Germany **THYSSENKRUPP ALLEE 1 EU contribution:** EUR 252 157,50 45143 ESSEN Germany Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation RESOURCEFULL Belgium **DEKENSTRAAT 10** EU contribution: EUR 153 453,13 3000 LEUVEN Belgium Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation BUREAU DE RECHERCHES GEOLOGIOUES ET MINIERES France **3 AV CLAUDE GUILLEMIN** EU contribution: EUR 1 028 141,25 45060 ORLEANS France Activity type: Research Organisations Contact the organisation SKYSCAPE OY Finland **VESIPIRTINTIE 19A** EU contribution: EUR 1 049 125 02330 ESPOO Finland Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation JACOBS NV Belgium **BERLAARBAAN 404 EU contribution:** EUR 140 437,50 2861 ONZE LIEVE VROUW WAVER Belgium Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation COBRE LAS CRUCES SA Spain AVDA. EL GARROBO 4 EU contribution: EUR 2 930 812,50 41860 SEVILLA Spain Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation



INSTITUTUL NATIONAL DE CERCETARE-DEZVOLTARE PENTRU METALE NEFEROASE SIRARE-Romania IMNR **BULEVARDUL BIRUINTEI 102** EU contribution: EUR 265 341,25 077145 PANTELIMON ILFOV Romania Activity type: Research Organisations Contact the organisation COMITE ACADEMICO TECNICO DE ASESORAMIENTO A PROBLEMAS AMBIENTALES VZW Belgium **KONINGIN MARIA HENDRIKAPLEIN 5 6 EU contribution:** EUR 335 562,50 9000 GENT Belgium Activity type: Other Contact the organisation THE UNIVERSITY OF EXETER United Kingdom

THE ONIVERSITY OF EXETER THE QUEEN S DRIVE NORTHCOTE HOUSE EX4 4QJ EXETER United Kingdom

Activity type: Higher or Secondary Education Establishments Contact the organisation

DMT GmbH & CO. KG Am Technologiepark 1 45307 Essen Germany

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2018-05-16 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/214771_en.html © European Union, 2018 Germany EU contribution: EUR 80 500

EU contribution: EUR 583

583,75







HYDROUSA

Project ID: 776643

Funded under:

H2020-EU.3.5.2.2. - Developing integrated approaches to address water-related challenges and the transition to sustainable management and use of water resources and services H2020-EU.3.5.2.3. - Provide knowledge and tools for effective decision making and public engagement H2020-EU.3.5.4. - Enabling the transition towards a green economy and society through eco-innovation

Demonstration of water loops with innovative regenerative business models for the Mediterranean region

From 2018-07-01 to 2022-12-31, ongoing project

Project details

Topic(s):	
CIRC-02-2016-2017 - Water in the context of the circular economy	
Call for proposal:	
H2020-CIRC-2017TwoStage See other projects for this call	
Funding scheme:	
IA - Innovation action	

Objective

HYDROUSA will provide innovative, regenerative and circular solutions for (1) nature-based water management of Mediterranean coastal areas, closing water loops; (2) nutrient management, boosting the agricultural and energy profile; and (3) local economies, based on circular value chains. The services provided lead to a win-win-win situation for the economy, environment and community within the water-energy-food-employment nexus.

HYDROUSA water loops will include water from non-conventional sources including wastewater, rainwater, seawater, groundwater and vapour water, all resulting in recovered and marketable products. HYDROUSA will demonstrate at large scale the feasibility and sustainability of innovative, low-cost water treatment technologies to recover freshwater, nutrients and energy from wastewater, salt and freshwater from seawater, and freshwater from atmospheric water vapour. Water conservation solutions including aquifer storage and sustainable agricultural practices including fertigation will be applied. The solutions will be demonstrated on 3 major touristic islands in Greece. Detailed technical and financial deployment plans will be established for replication in additional 25 locations worldwide. Through the on-site water loops of HYDROUSA, complex supply chains for resource recovery are not required, as producers are directly involved as consumers of derived products. HYDROUSA will combine traditional skilled workmanship with modern ICT integration in beautiful and smart automation systems. HYDROUSA will revolutionise water value chains in Mediterranean areas and beyond, from water abstraction to sewage treatment and reuse. The proposed HYDROUSA solutions show massive potential to change the way humans interact with water, food and energy.



Coordinator

NATIONAL TECHNICAL UNIVERSITY OF ATHENS - NTUA HEROON POLYTECHNIOU 9 ZOGRAPHOU CAMPUS 15780 ATHINA Greece

Activity type: Higher or Secondary Education Establishments Contact the organisation

Participants

ALCHEMIA-NOVA GMBH
BAUMGARTENSTRASSE 93
1140 WIEN
Austria

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

BRUNEL UNIVERSITY LONDON KINGSTON LANE UB8 3PH UXBRIDGE United Kingdom

Activity type: Higher or Secondary Education Establishments Contact the organisation

DIMOS MYKONOY KTIRIO VOINOVITS, GIALOS-AKTI KABANI 84600 MYKONOS Greece

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

UNIVERSITA POLITECNICA DELLE MARCHE PIAZZA ROMA 22 60121 ANCONA Italy

Activity type: Higher or Secondary Education Establishments Contact the organisation Greece EU contribution: EUR 1 313 750

Austria **EU contribution:** EUR 768 075

United Kingdom EU contribution: EUR 862 250

Greece EU contribution: EUR 77 500

Italy EU contribution: EUR 713 500



UNITE TECHNIQUE DU SEMIDE GEIE PLACE SOPHIE LAFFITTE 06902 SOPHIA ANTIPOLIS France

Activity type: Other Contact the organisation

HELIOPOLIS UNIVERSITY ASSOCIATION CAIRO BELBEIS DESERT ROAD 3 11361 CAIRO Egypt

Activity type: Higher or Secondary Education Establishments Contact the organisation

ISIS FOR FOOD INDUSTRIES, LTD 3 CAIRO BELBEIS DESERT ROAD, HELIOPOLIS 2834 CAIRO Egypt

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

IRIDRA SRL Via la Marmora 51 50121 Firenze Italy

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

PLANET DI VILLA ALESSANDRO & C SAS VIA MARTINENGO CESARESCO 15 25128 BRESCIA Italy

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

EUROPEAN WATER SUPPLY AND SANITATION TECHNOLOGY PLATFORM AVENUE EDMOND VAN NIEUWENHUYSE 6 1160 AUDERGHEM Belgium

Activity type: Other Contact the organisation Egypt EU contribution: EUR 132 300

> Italy EU contribution: EUR 228 390,75

EU contribution: EUR 204

Egypt

923,25

Italy EU contribution: EUR 338 747,50

Belgium EU contribution: EUR 84 062,50



FUNDACIO INSTITUT CATALA DE RECERCA DE L'AIGUA CALLE EMILI GRAHIT EDIFICI H20 101 EU contribution: EUR 474 300 17003 GIRONA Spain Activity type: Research Organisations Contact the organisation A.S.A. - AZIENDA SERVIZI AMBIENTALISPA Italy VIA DEL GAZOMETRO 9 EU contribution: EUR 68 775 57122 LIVORNO Italy Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation AGRICULTURAL & ENVIRONMENTAL SOLUTIONS Greece MARKOU MPOTSARI 47 EU contribution: EUR 360 237,50 **11742 ATHENS** Greece Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation **RADTKE MANFRED** Germany **EGERLANDSTRASSE 16** EU contribution: EUR 172 200 97209 VEITSHOCHHEIM Germany Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation ECO LODGE TINOS PAROCHI YPIRESION OIKOLOGIKON TOYRISTIKON EPIPLOMENON KATOIKION Greece TINOS EU ITEM AKERATOS. STENI POTAMIA EU contribution: EUR 349 890,63 84200 TINOS Greece Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation IMPACT HUB LABS Greece **KARAISKAKI 28** EU contribution: EUR 372 125 000 ATHENS Greece Activity type: Research Organisations Contact the organisation



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ASOCIACION CATALANA PARA LA INNOVACION Y LA INTERNACIONALIZACION DEL SECTOR E	DEL Spain
AGUA, CATALAN WATER PARTNERSHIP (CWP)	
CARRER PIC DE PEGUERA, 15	EU contribution: EUR 107 980
17003 GIRONA	
Spain	
Activity type: Other	
Contact the organisation	
NTELAROS OE	Greece
MATHEOU ANDRONIKOU 9	EU contribution: EUR 366
84600 MYKONOS	887,50
Greece	
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establis	hments)
Contact the organisation	
BIOVERSUM - NATURINSPIRIERTE SYSTEME	Austria
JOHANN SEBASTIAN BACH GASSE 19/410	EU contribution: EUR 369 375
7000 EISENSTADT	
Austria	
Activity type: Research Organisations	
Contact the organisation	
PLENUM - GESELLSCHAFT FUR GANZHEITLICH NACHHALTIGE ENTWICKLUNG GMBH	Austria
LINDENGASSE 2/14	EU contribution: EUR 242 375
1070 WIEN	
Austria	
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establis Contact the organisation	hments)
MINAVRA TECHNIKI KATASKEYASTIKI KAIERGOLIPTIKI ANONIMI ETAIRIA	Greece
SPARTIS 6 KAI SARONIKOY 4	EU contribution: EUR 689 500
17673 KALLITHEAS N ATTIKIS	
Greece	
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establis	hments)
Contact the organisation	
DIMOS LESVOU	Greece
EL. VENIZELOU 13-17	EU contribution: EUR 76 250
81132 MYTILENE	
Greece	
Activity type: Public bodies (excluding Research Organisations and Secondary or Higher E	ducation Establishments)
Contact the organisation	



DIMOS TINOS EVAGGELISTRIAS 72 84200 TINOS Greece

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

AERIS TECNOLOGIAS AMBIENTALES SL **CALLE SANTA ROSA 38** 08290 CERDANYOLA DEL VALLES Spain

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

SATISTICA LIMITED 114 KINGS MILL WAY DENHAM **UB9 4BT UXBRIDGE** United Kingdom

United Kingdom EU contribution: EUR 249 375

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

MEMIRA GENESIS LTD
GALILEOU 68
3011 LIMASSOL
Cyprus

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2018-05-16 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/214768 en.html © European Union, 2018

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Cyprus EU contribution: EUR 187

687,50

Spain **EU contribution:** EUR 571

999,75





COREALIS

Project ID: 768994

Funded under: H2020-EU.3.4. - SOCIETAL CHALLENGES - Smart, Green And Integrated

Transport

Capacity with a pOsitive enviRonmEntal and societAL footprInt: portS in the future era

From 2018-05-01 to 2021-04-30, ongoing project

Project details

Total cost:	Topic(s):	
EUR 5 150 540	MG-7-3-2017 - The Port of the future	
EU contribution:	Call for proposal:	
EUR 5 150 540	H2020-MG-2017-Two-Stages See other projects for this call	
Coordinated in:	Funding scheme:	
Greece	RIA - Research and Innovation action	

Objective

Ports are essential for the European economy; 74% of goods exported or imported to the EU are transported via its seaports. At the same time, the challenges they face are only getting greater: Volumes of cargo increase while they also arrive in a shrinking number of vessels: Post-Panamax vessels have a capacity of more than 18k containers. Port operators need to comply with increasingly stricter environmental regulations and societal views for sustainability. A sustainable land-use strategy in and around the port and a strategic transition to new, service-based, management models that improve capacity and efficiency are paramount. They are key enablers for ports that want to keep pace with the ocean carriers needs and establish themselves as trans-shipment hubs with a 'societal license to operate'; for ports whose land strategy, hinterland accessibility and operations are underpinned by circular economy principles. COREALIS proposes a strategic, innovative framework, supported by disruptive technologies, including IoT, data analytics, next generation traffic management and 5G, for modern ports to handle future capacity, traffic, efficiency and environmental challenges. It respects their limitations regarding the port land, intermodal infrastructure and terminal operation. It proposes beyond state of the art innovations to increase efficiency and optimize land-use, while being financially viable, respecting circular economy and being of service to the city. Through COREALIS, the port will minimize its environmental footprint to the city, it will decrease disturbance to local population through a reduction in the congestion around the port. It will be a pillar of business innovation, promoting local startups in disruptive technologies of mutual interest. COREALIS innovations are key both for the major deep sea European ports in view of the new mega-vessel era, but also relevant for medium sized ports with limited investment funds for infrastructure and automation.

Coordinator

INSTITUTE OF COMMUNICATION AND COMPUTER SYSTEMS Patission Str. 42 10682 ATHINA Greece

Activity type: Research Organisations

Contact the organisation

Greece EU contribution: EUR 648 875



Participants

STATHMOS EMPOREVMATOKIVOTION PEIRAIA AE	Greece
AKTI MIAOULI STR 85	EU contribution: EUR 365 625
18538 PIRAEUS	
Greece	
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establis	hments)
Contact the organisation	
NAYTILIAKES METAFORIKES KAI EPIKOINONIAKES EPIXEIRISEIS SEABILITY EPE	Greece
40 ZAN MOREAS	EU contribution: EUR 203 750
11745 ATHENA	
Greece	
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establis Contact the organisation	hments)
EUROPEAN ROAD TRANSPORT TELEMATICSIMPLEMENTATION COORDINATION ORGANISATIC	DN - Belgium
AVENUE LOUISE 326	EU contribution: EUR 211 250
1050 BRUXELLES	
Belgium	
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establis Contact the organisation	hments)
FUNDACION DE LA COMUNIDAD VALENCIANA PARA LA INVESTIGACION, PROMOCION Y	Spain
ESTUDIOS COMERCIALES DE VALENCIAPORT	
Avenida Muelle del Turia s/n	EU contribution: EUR 401
46024 VALENCIA	001,25
Spain	
Activity type: Research Organisations	
Contact the organisation	
MOSAIC FACTOR SL	Spain
CALLE MARINA NUM 60 PLANTA 4 PUERTA 1	EU contribution: EUR 221 750
08005 BARCELONA	
Spain	
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establis	hments)
Contact the organisation	
Teknologian tutkimuskeskus VTT Ov	Finland
VUORIMIEHENTIE 3	EU contribution: EUR 313 875
02150 Espoo	
Finland	
Activity type: Research Organisations	
Contact the organisation	



STICHTING DELTARES BOUSSINESQWEG 1 2629 HV DELFT Netherlands Activity type: Research Organisations

Contact the organisation

NEC LABORATORIES EUROPE GMBH KURFURSTEN-ANLAGE 36 69115 HEIDELBERG Germany

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

SGS SOCIETE GENERALE DE SURVEILLANCE SA PLACE DES ALPES 1 1201 GENEVE Switzerland

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

DYNNIQ NEDERLAND BV HARDWAREWEG 11 3821 BL AMERSFOORT Netherlands

Italy

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

HAVENBEDRIJF ANTWERPENBelgiumZAHA HADIDPLEIN 1EU contribution: EUR 265 6252030 ANTWERPENBelgium

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

CONSORZIO NAZIONALE INTERUNIVERSITARIO PER LE TELECOMUNICAZIONI	Italy
VIALE G. P. USBERTI 181A	EU contribution: EUR 263
43124 PARMA	437,50

Activity type: Higher or Secondary Education Establishments Contact the organisation Germany EU contribution: EUR 358 695

Switzerland
EU contribution: EUR 200 000

Netherlands EU contribution: EUR 331 875


AUTORITA DI SISTEMA PORTUALE DEL MAR TIRRENO SETTENTRIONALE Italy SCALI ROSCIANO 6 EU contribution: EUR 156 250 57123 LIVORNO Italy Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation Ericsson Telecomunicazioni SPA Italy VIA ANAGNINA 203 EU contribution: EUR 499 163,75 00118 Roma Italy Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation MARLO POLAND SPOLKA Z OGRANICZONA ODPOWIEDZIALNOŚCIA Poland **UL KMINKOWA 22** EU contribution: EUR 245 312,50 61 680 POZNAN Poland Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation STEVECO OY Finland **KIRKKOKATU 1** EU contribution: EUR 142 500 48100 KOTKA Finland Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2018-05-15 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/214634_en.html © European Union, 2018







DIET

Project ID: 797259

Funded under: H2020-EU.1.3.2. - Nurturing excellence by means of cross-border and cross-sector mobility

Direct Interspecies Electron Transfer in advanced anaerobic digestion system for gaseous transport biofuel production

From 2018-05-01 to 2020-04-30, ongoing project

Project details

Total cost:	Topic(s):
EUR 187 866	MSCA-IF-2017 - Individual Fellowships
EU contribution:	Call for proposal:
EUR 187 866	H2020-MSCA-IF-2017 See other projects for this call
Coordinated in:	Funding scheme:
Ireland	MSCA-IF-EF-ST - Standard EF

Objective

Anaerobic digestion (AD) has been widely applied to produce biogas through complex communities of syntrophic bacteria and methanogenic archaea. However, AD can suffer from the inefficiency of biogas production, which fundamentally arises from the low efficiency of mediated interspecies electron transfer (MIET) via hydrogen between bacteria and archaea. Dr Richen Lin proposes an advanced AD-based circular economy system by introducing conductive materials (such as biocompatible graphene nanomaterial and digestate derived pyrochar) for third generation gaseous transport biofuel production from algae feedstock. The proposal will particularly explore the mechanism of efficient direct interspecies electron transfer (DIET) between bacteria and methanogens in the presence of conductive materials. The biomethane production rate and total energy recovery in the proposed system are expected to be enhanced by 20-40% as compared to existing AD technology. The goal will be achieved by the following research objectives: 1) Theoretically compare the efficiencies of MIET and DIET in AD; 2) Develop optimal strategies to stimulate DIET and improve biogas production from algae; 3) Outline a future circular economy system by introducing pyrochar into AD. Dr Lin has a strong record of publications (26 peer review journal articles) in bioenergy through his PhD studies in Zhejiang University, China. He proposes a two year stay in the €35M Science Foundation Ireland funded research centre Marine and Renewable Energy Ireland (MaREI). He will be hosted in the Environmental Research Institute, University College Cork and supervised by Prof Jerry Murphy. The fellowship will incorporate a three month secondment in Gas Networks Ireland (an industrial partner in MaREI) to facilitate the integration of new technology in green gas industry. The objective of this proposal is to establish Dr Lin as a leading researcher in bioenergy and assist him in acquiring a position of professional maturity.

Coordinator

UNIVERSITY COLLEGE CORK - NATIONAL UNIVERSITY OF IRELAND, CORK

WESTERN ROAD

T12 YN60 Cork

Ireland

Activity type: Higher or Secondary Education Establishments Contact the organisation Ireland EU contribution: EUR 187 866



Last updated on 2018-05-08 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/214513_en.html

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ComBIOsites

Project ID: 789454

Funded under: H2020-EU.1.3.2. - Nurturing excellence by means of cross-border and cross-sector mobility

Reversibly photocrosslinked BIO-based composites with barrier properties from industrial by-products

From 2018-08-01 to 2020-07-31, Grant Agreement signed

Project details

Total cost:	Topic(s):
EUR 180 277,20	MSCA-IF-2017 - Individual Fellowships
EU contribution:	Call for proposal:
EUR 180 277,20	H2020-MSCA-IF-2017 See other projects for this call
Coordinated in:	Funding scheme:
Italy	MSCA-IF-EF-ST - Standard EF

Objective

ComBIOsites aims at developing recyclable composite materials for packaging, using (i) raw materials issued from bio-based industrial by-products, according to the principles of circular economy, (ii) environmentally friendly processes, such as photopolymerization. This project is fully aligned with the European primary goals for the promotion of a "green" society, with a sustainable and resource efficient economy, by key actions such as the development of new and improved materials with reduced environmental impact, from sourcing and processing to end of life.

Cellulose is an abundant, renewable and sustainable biopolymer, plus it is biodegradable. Microfibrillated cellulose (MFC), obtained with top-down approaches from cellulose sources, forms excellent gas barrier films; however, their high hydrophilicity prevents their use in highly humid environments. It is therefore convenient to combine MFC with polymers in the form of composites. Crosslinked matrices guarantee high mechanical performances and water and solvent resistance. The uncured prepolymers can have very low viscosity, which allows for solvent-free mixing at room temperature. However curing often hinders recyclability. Reversible photocrosslinking of bio-based prepolymers, combined with MFC to obtain recyclable composites is innovative.

To fulfil the final goal of the project, I will use MFC obtained from hemp hurd, a low cost by-product of industrial hemp decortication process, and a bio-based prepolymer, functionalized with a reversibly photocrosslinkable group, able to ensure the curing of the polymeric matrix upon irradiation at a given wavelength, and to allow its dismantling upon irradiation at a different wavelength. Thus, through appropriate matrix-filler combination and processing, I plan to obtain a reversibly photocrosslinked composite material having the performances requested for packaging, the recyclability of thermoplastics and potentially the biodegradability of natural polymers.



POLITECNICO DI TORINO CORSO DUCA DEGLI ABRUZZI 24 10129 TORINO Italy

Activity type: Higher or Secondary Education Establishments Contact the organisation

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Permalink: https://cordis.europa.eu/project/rcn/214435_en.html © European Union, 2018

Italy EU contribution: EUR 180 277,20







CIRC4Life

Project ID: 776503

Funded under:

H2020-EU.3.5.4. - Enabling the transition towards a green economy and society through ecoinnovation

A circular economy approach for lifecycles of products and services

From 2018-05-01 to 2021-04-30, ongoing project

Project details	
Total cost:	Topic(s):
EUR 7 228 773,75	CIRC-01-2016-2017 - Systemic, eco-innovative approaches for the circular
EU contribution:	economy: large-scale demonstration projects
EUR 6 294 033,39	Call for proposal:
Coordinated in:	H2020-CIRC-2017TwoStage See other projects for this call
United Kingdom	Funding scheme:
	IA - Innovation action

Objective

This project aims to develop and implement a circular economy approach for sustainable products and services through their value and supply chains. Three new circular economy business models will be developed including (i) co-creation of products and services, (ii) sustainable consumption, and (iii) collaborative recycling and reuse.

The Co-creation of Products/Services model will bring end-users closer to the design and manufacturing phases by identifying consumer preferences via Big-data online mining product reviews and evaluating product specifications and prototypes via Living Lab to customise the end-user requirements. Benefited from the co-creation features, sets of sustainable production methods will be implemented and new products/services will be created.

The Sustainable Consumption model will develop a method to calculate the eco-points of products based on the outcome of FP7 myEcoCost project, assess product environment footprints (PEF), provide a traceability solution to monitor product's sustainability along the value chain, and support end-users and stakeholders to actively implement the circular economy via awareness raising and knowledge sharing activities.

The Collaborative Recycling/Reuse model will develop a system for stakeholders to interact with each other to facilitate the use/reuse of end-of-life products and reduce waste, and implement the eco-credits awarding scheme to encourage people to recycle/reuse.

This project will be demonstrated at a large scale in electrical and electronic products and farming/agri-foods sectors, provide an effective means to communicate with wide communities to disseminate the project outcome, and involve a large number of stakeholders along value and supply chains throughout the project lifetime, including end-users, producers, researchers and civil society.

An ICT platform will be developed to support the development, implementation, demonstration, communication and dissemination.



THE NOTTINGHAM TRENT UNIVERSITY **BURTON STREET** NG1 4BU NOTTINGHAM United Kingdom

Activity type: Higher or Secondary Education Establishments Contact the organisation

Participants

BJORLING STEN KYRKOGATAN 5 A 2 TR 97232 LULEA Sweden

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

JONATHAN MICHAEL SMITH **BLACKBIRDS PERCH ST MARTIN** TR25 0QN ISLES OF SCILLY United Kingdom

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

KOSNIC LIGHTING LIMITED UNIT D2 KENNET SIDE, BONE LANE **RG14 5PX NEWBURY BERKSHIRE** United Kingdom

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

FUNDACION CIRCE CENTRO DE INVESTIGACION DE RECURSOS Y CONSUMOS ENERGETICOS	Spain
CALLE MARIANO ESQUILLOR GOMEZ 15 EDIFICIO CIRCE CAMPUS RIO EBRO	EU contribution: EUR 314
50018 ZARAGOZA	232,50
Spain	

Activity type: Research Organisations Contact the organisation

United Kingdom EU contribution: EUR 1 000 951,25

Sweden EU contribution: EUR 269 931.38

United Kingdom EU contribution: EUR 180 681,38

United Kingdom EU contribution: EUR 251

550,25

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European EPC Competence Center GmbH MAARWEG 133 50825 KOLN Germany

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

INSTYTUT EKOLOGII TERENOW UPRZEMYSLOWIONYCH	Poland
ULICA KOSSUTHA 6	EU contribution: EUR 385
40 844 KATOWICE	918,75
Poland	
Activity type: Research Organisations Contact the organisation	
	Constant
SWEREA IVF AB	Sweden
Argongatan 30	EU contribution: EUR 422 795
43153 MOELNDAL	

Activity type: Research Organisations Contact the organisation

DELEGATION EUROPEENNE DE MAKE MOTHERS MATTER AVENUE NESTOR PLISSART 8 1040 BRUXELLES Belgium

Activity type: Other Contact the organisation

Sweden

ONA PRODUCT SL ALFARA DEL PATRIARCA, CALLE SAN BARTOLOME 28 46115 VALENCIA Spain

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

INDUMETAL RECYCLING, S.A. CARRETERA DE LA CANTERA 11 E-48950 ASÚA-ERANDIO Spain

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Belgium EU contribution: EUR 369 991,25

Spain EU contribution: EUR 195 550,25

Spain EU contribution: EUR 171 697,75



GS1 GERMANY GMBH MAARWEG 133 50825 KOLN Germany	Germany EU contribution: EUR 302 431,50
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establish Contact the organisation	ments)
LAUREA-AMMATTIKORKEAKOULU OY RATATIE 22 01300 VANTAA Finland	Finland EU contribution: EUR 589 091,25
Activity type: Higher or Secondary Education Establishments Contact the organisation	
CENTRE FOR EUROPEAN POLICY STUDIES PLACE DU CONGRES 1 1000 BRUXELLES Belgium	Belgium EU contribution: EUR 282 545
Activity type: Research Organisations Contact the organisation	
INSTITUTE OF COMMUNICATION AND COMPUTER SYSTEMS Patission Str. 42 10682 ATHINA Greece	Greece EU contribution: EUR 449 665
Activity type: Research Organisations Contact the organisation	
SIG DE RAEE Y PILAS SOCIEDAD LIMITADA C/ORENSE 62 28020 MADRID Spain	Spain EU contribution: EUR 297 782,50
Activity type: Other Contact the organisation	
SOCIEDAD AGRARIA DE TRANSFORMACION 2439 S/N - PARAJE DEL DUENDE DE LORCA DIPUTACION DE LA HOYA 30816 MURCIA Spain	Spain EU contribution: EUR 360 224,38
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establish Contact the organisation	ments)

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CINDERELA

Project ID: 776751

Funded under:

H2020-EU.3.5.4. - Enabling the transition towards a green economy and society through ecoinnovation

New Circular Economy Business Model for More Sustainable Urban Construction

From 2018-06-01 to 2022-05-31, ongoing project

Project details

•	-
Total cost:	Topic(s):
EUR 7 635 365,25	CIRC-01-2016-2017 - Systemic, eco-innovative approaches for the circular
EU contribution:	economy: large-scale demonstration projects
EUR 6 729 219	Call for proposal:
Coordinated in:	H2020-CIRC-2017TwoStage See other projects for this call
Slovenia	Funding scheme:
	IA - Innovation action
	•

Objective

The EU-28 total waste generation in 2014 was 2598M tones, the highest since 2004, 33.5% of which was from the construction sector, being also one of the larger consumers of inorganic raw materials. Construction activities are mainly localized in urban areas where by 2050 about 86% of the developed world is expected to live. CINDERELLA project aims to develop a new Circular Economy Business Model (CEBM) for use of secondary raw materials (SRM) in urban areas, connecting different industries, the construction sector and municipal services, decision makers and the general public with the support of CinderOSS, a "One-Stop-Shop" service, articulated in (i) an on-line ICT platform for tracking and modelling the urban waste-toproduct flows, on-line marketing and sharing knowledge and information along the value chain (ii) production and marketing of (SRM) based construction products and (iii) building with SRM based construction products supported by building information modelling (BIM). Different streams of waste will be exploited in the project, i.e. construction and demolition waste, industrial wastes, heavy fraction from municipal solid waste and sewage sludge, mostly of them currently landfilled and/or incinerated. Their suitability for use for building materials will be demonstrated through large scale demonstration activities in Slovenia, Croatia and Spain while the ICT platform will be demonstrated in Slovenia, Croatia, Spain, Poland, Italy and The Netherlands. The project will contribute to 20% reduction of environmental impacts along the value and supply chain, reducing virgin material exploitation and converting wastes to products. Sustainability of CEBM will be proven with the environmental, economic and social assessment through whole life (LCA, LCC and S-LCA). The pre-feasibility analysis of the proposed CEBM indicates an increase of recycling by 30% of CDW, 13% of industrial waste, 100% of heavy fraction and 25% of sewage sludge with a net profit of 18%.



ZAVOD ZA GRADBENISTVO SLOVENIJE DIMICEVA ULICA 12 1000 LJUBLJANA Slovenia

Activity type: Research Organisations Contact the organisation

Participants

UNIVERSITA COMMERCIALE LUIGI BOCCONI VIA SARFATTI 25 20136 MILANO Italy

Activity type: Higher or Secondary Education Establishments Contact the organisation

BEXEL CONSULTING DOO BEOGRAD VISNJICEVA 8 10000 BEOGRAD Serbia

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

OPENCONTENT SOCIETA COOPERATIVA VIA GALILEO GALILEI 24 38122 TRENTO Italy

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

FUNDACION BENEFICO-DOCENTE GOMEZ-PARDO CALLE ALENZA 1 28003 MADRID Spain

Activity type: Research Organisations Contact the organisation Slovenia EU contribution: EUR 970 947,50

Italy EU contribution: EUR 412 206,50

Serbia EU contribution: EUR 120 785

> Italy EU contribution: EUR 269 762,50

Spain EU contribution: EUR 334 375



PARQUE CIENTIFICO Y TECNOLOGICO DE GIPUZKOA PASEO MIKELETEGI 2 EU contribution: EUR 531 500 20009 DONOSTIA SAN SEBASTIAN Spain Activity type: Research Organisations Contact the organisation NIGRAD KOMUNALNO PODJETJE DD Slovenia ZAGREBSKA CESTA 30 EU contribution: EUR 706 493,75 2000 MARIBOR Slovenia Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation INSTYTUT EKOLOGII TERENOW UPRZEMYSLOWIONYCH Poland ULICA KOSSUTHA 6 EU contribution: EUR 358 125 40 844 KATOWICE Poland Activity type: Research Organisations Contact the organisation ASOCIACION DE EMPRESARIOS DEL HENARES Spain CALLA TENIENTE RUIZ NUM 2 EU contribution: EUR 770 443.75 28806 ALCALA DE HENARES MADRID Spain Activity type: Other Contact the organisation TECHNISCHE UNIVERSITEIT DELFT Netherlands **STEVINWEG 1** EU contribution: EUR 902 980 2628 CN DELFT Netherlands Activity type: Higher or Secondary Education Establishments Contact the organisation I.G.K. RECIKLAZA DOO ZA PROIZVODNJU, TRGOVINU I USLUGE Croatia **BOZIDARA ADZIJE 2** EU contribution: EUR 477 225 44000 SISAK GRAD SISAK Croatia

FUNDACION TECNALIA RESEARCH & INNOVATION

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation



Spain

POLO TECNOLOGICO DI PORDENONE SOCIETA CONSORTILE PER AZIONI VIA ROVEREDO 20/B 33170 PORDENONE Italy

Activity type: Research Organisations Contact the organisation

KPLUSV ORGANISATIEADVIES BV WESTERVOORTSEDIJK 73 LB1 6827AV ARNHEM Netherlands Netherlands EU contribution: EUR 494 375

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

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C-SERVEES

Project ID: 776714

Funded under:

H2020-EU.3.5.4. - Enabling the transition towards a green economy and society through ecoinnovation

Activating Circular Services in the Electric and Electronic Sector

From 2018-05-01 to 2022-04-30, ongoing project

Project details

Total cost:	Topic(s):	
EUR 8 034 707,31	CIRC-01-2016-2017 - Systemic, eco-innovative approaches for the circular	
EU contribution:	economy: large-scale demonstration projects	
EUR 6 349 067,37	Call for proposal:	
Coordinated in:	H2020-CIRC-2017TwoStage See other projects for this call	
Spain	Funding scheme:	
	IA - Innovation action	

Objective

C-SERVEES aims to boost a resource-efficient circular economy in the electrical and electronic (E&E) sector through the development, testing, validation and transfer of new circular economic business models (CEBMs) based on systemic ecoinnovative services that include: (1) eco-leasing of EEE, (2) product customization, (3) improved WEEE management, and (4) ICT services to support the other eco-services. ICT tools (relying on QR codes) will be developed as the driver of the proposed eco-innovative services to take full advantage of the potential and synergies of two major revolutions of our time: the circular economy and the Industry 4.0. The project will thus contribute to transform the E&E sector into circular and 4.0, raising new opportunities for end-users (such as their involvement in design or the access to a product as a service) and for social and solidarity economy (conducted by NGOs, like EMAUS, which employ people at risk of social exclusion to repair and prepare WEEE for re-use). The techno-economic, environmental and social viability of the new CEBMs will be validated through demonstrations dealing with four target products belonging to different EEE categories: large household appliances, IT equipment, telecommunications equipment, and consumer equipment. These EEE categories together account for 77% of WEEE collected in the EU.

The project will result in an estimated economic benefit of 57.03 M€ over the period 2022-2026, which taking into account the project budget (8.03 M€) yields a ROI ~ 7.1. Specifically, the project will generate in the mid-term an economic benefit of 28.4 M€/year, with about 355 green employees (including direct and indirect jobs) and a total reduction of 2,620 tonnes CO2 eq/year.

C-SERVEES (10 Member States and Turkey, including industry, end-users and researchers, ensures that strategic, design and implementation decisions) will be in line with business realities and set the foundation for realistic market-ready solutions.



AIMPLAS - ASOCIACION DE INVESTIGACION DE MATERIALES PLASTICOS Y CONEXAS CALLE GUSTAVE EIFFEL 4 PARQUE TECNOLOGICO DE PATERNA 46980 PATERNA VALENCIA Spain

Activity type: Research Organisations Contact the organisation

Participants

FUNDACION GAIKER Parque Tecnologico de Zamudio, Edificio 202 48170 ZAMUDIO Spain

Activity type: Research Organisations Contact the organisation

LOUGHBOROUGH UNIVERSITY ASHBY ROAD LE11 3TU LOUGHBOROUGH United Kingdom

Activity type: Higher or Secondary Education Establishments Contact the organisation

OSTERREICHISCHE GESELLSCHAFT FUR SYSTEM- UND AUTOMATISIERUNGSTECHNIK VEREIN	Austria
BECKMANNGASSE 51/28	EU contribution: EUR 499 500
1140 WIEN	
Austria	

Activity type: Research Organisations Contact the organisation

LEXMARK INTERNATIONAL CULLINGANLAAN 2 1831 MACHELEN Belgium

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation



Spain EU contribution: EUR 345 360

> United Kingdom EU contribution: EUR 488 147,50

Belgium EU contribution: EUR 458 716,13



ADVA OPTICAL NETWORKING SE Germany **MAERZENQUELLE 1-3** EU contribution: EUR 443 555 98617 MEININGEN Germany Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation ARCELIK A.S. Turkey KARAAGAC, SUTLUCE BEYOGLU CAD. NO:2-6 EU contribution: EUR 703 062,50 34445 ISTANBUL Turkey Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation **RINA CONSULTING SPA** Italy VIA SAN NAZARO 19 **EU contribution:** EUR 477 487,50 16145 GENOVA Italy Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation EMAUS FUNDACION SOCIAL Spain UBA BIDEA/CAMINO DE UBA 37 EU contribution: EUR 254 232.49 20014 DONOSTIA SAN SEBASTIAN GIPUZKOA Spain Activity type: Other Contact the organisation INDUMETAL RECYCLING, S.A. Spain CARRETERA DE LA CANTERA 11 EU contribution: EUR 209 492,50 E-48950 ASÚA-ERANDIO Spain Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation **GREENTRONICS SRL** Romania **STRADA VIILOR 15 EU contribution:** EUR 134 793,75 140110 ALEXANDRIA TELEORMAN Romania Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

BOULEVARD AUGUSTE REYERS 80 EU contribution: EUR 376 562,50 **1030 BRUXELLES** Belgium Activity type: Other Contact the organisation CIRCULARISE BV Netherlands **MOLENGRAAFFSINGEL 12** EU contribution: EUR 687 890 2629 JD DELFT Netherlands Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation EXERGY LTD United Kingdom PUMA WAY THE TECHNOCENTRE COVENTRY EU contribution: EUR 290 675 CV1 2TT COVENTRY United Kingdom Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation PARTICULA GROUP DRUSTVO S OGRANICENOM ODGOVORNOSCU ZA USLUGE Croatia **IVANA FILIPOVICA 4** EU contribution: EUR 139 300 51000 RIJEKA Croatia Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation VERTECH GROUP France 11 RUE DEFLY EU contribution: EUR 373 187,50 06000 NICE France Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation Last updated on 2018-05-02 Retrieved on 2018-07-19

Belgium

Permalink: https://cordis.europa.eu/project/rcn/214365_en.html © European Union, 2018

WASTE OF ELECTRICAL AND ELECTRONICAL EQUIPMENT FORUM AISBL

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C-VoUCHER

Project ID: 777773

Funded under: H2020-EU.2.3.2.2. - Enhancing the innovation capacity of SMEs H2020-EU.2.3.2.3. - Supporting market-driven innovation

Circularize ValUe CHains across European Regional Innovation Strategies

From 2018-04-01 to 2021-03-31, ongoing project

Project details

Total cost:	Topic(s):	
EUR 5 210 220,64	INNOSUP-01-2016-2017 - Cluster facilitated projects for new industrial value	
EU contribution:	chains	
EUR 4 999 393,50	Call for proposal:	
Coordinated in:	H2020-INNOSUP-01-2017-twoStage See other projects for this call	
Poland	Funding scheme:	
	IA - Innovation action	

Objective

C-VoUCHER aims to develop new circular (cradle to cradle) value chains, disrupting traditional linear (cradle to waste) business models by means of cross-fertilization with Design Thinking experts and Circular Disruptors.

This approach is empowered by 6 Regional entities (2 leading ones from SE and DK and 4 learning ones from ES, FR, PL and RO), which together with their 41 clusters representing 5,763 SMEs (linked as 3rd Parties, including 11 gold, 4 silver and 7 bronze label ones) will work, at cross border level, on embedding circular economy (CE) model in their Smart Specialization Strategies.

C-VoUCHER is the proof-of-concept framework where 24 selected Classic SMEs from traditional industries (Agro-Food, Health, Sea, Textile, and Manufacturing), will be offered an innovative 4-phase Circularity Program to develop 12 Circularity Solutions, to be then introduced in 42 Adopter SMEs with similar challenges. The regional CE Champions will be showcased to create 'school' at Regional Level and beyond. The project will leverage €6M of complementary funding for CE Champions and Adopters (provided by private and public investors). Also, a 'Circular Design Toolkit for Regions' will be produced to mainstream the methodology in the other EU Regions.

The project will be coordinated by FBA, the European leader in Financial Support to Third Parties and supported by BLUMORPHO (Business and LEAN Innovation Accelerator) and Fundingbox Communities (expert in online marketing and community building). Industry actors: MADE (representing manufacturing companies as LEGO, Danfoss, among others), ARLA (biggest Scandinavian dairy producer), Green Ship of the Future (private partnership working for cleaner maritime industry), Neuca (Polish entity from Health sector) and Danish Fashion Institute specializing in Textiles, will help to define the industry challenges.

C-VoUCHER will demonstrate how Europe can disrupt traditional value chains and become the Europe of entrepreneurial regions.



FUNDINGBOX ACCELERATOR SP ZOO AL.JEROZOLIMSKIE 136 02-305 WARSZAWA Poland

Activity type: Other Contact the organisation

Participants

AXENCIA GALEGA DE INNOVACION RUA AIRAS NUNES (DE) S/N CONXO 15706 SANTIAGO DE COMPOSTELA Spain

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

AGENCJA ROZWOJU MAZOWSZA SPOLKA AKCYJNA UL.SWIETOJERSKA 9 00-236 WARSZAWA Poland

Activity type: Other Contact the organisation

AGENTIA DE DEZVOLTARE REGIONALA NORD-VEST SAT RADAIA 50 407059 BACIU CLUJ Romania

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

SYSTEM@TIC PARIS REGION 8 AV DE LA VAUVE BAT 863 SITE NANO INNOV 91120 PALAISEAU France Activity type: Other

Contact the organisation

Poland EU contribution: EUR 1 917 312,50

Spain EU contribution: EUR 219 100

Poland EU contribution: EUR 218 375

Romania **EU contribution:** EUR 152 000

France EU contribution: EUR 555 812,50



Tillväxtverket Götgatan 74 102 61 Stockholm Sweden

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

TREKANTOMRADET DANMARK	Denmark
KOLDING APARK 1 2 TV	EU contribution: EUR 510
6000 KOLDING	653,75
Denmark	
Activity type: Other	
Contact the organisation	
BLUMORPHO SAS	France
ESPACE HAMELIN 11-17 RUE DE L'AMIRAL HAMELIN	EU contribution: EUR 357 630
75016 PARIS	
France	
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establish	nments)
Contact the organisation	
FORENINGEN MADE	Denmark
H.C. ANDERSENS BOULEVARD 18	EU contribution: EUR 220 000
1553 KOBENHAVN	
Denmark	
Activity type: Research Organisations	
Contact the organisation	
NEUCA SA	Poland
UL SZOSA BYDGOSKA 58	EU contribution: EUR 28 000
87 100 TORUN	
Poland	
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establish	nments)
Contact the organisation	
DEN ERHVERVSDRIVENDE FOND DEVELOPMENT CENTRE UMT	Denmark
BIRK CENTERPARK 38	EU contribution: EUR 52 675
7400 HERNING	
Denmark	
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establish	iments)
Contact the organisation	

Page 89 of 184 Research and Innovation DANMARKS TEKNISKE UNIVERSITET ANKER ENGELUNDSVEJ 1 BYGNING 101 A 2800 KGS LYNGBY Denmark

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

FUNDINGBOX COMMUNITIES SL CALLE MENDEZ ALVARO 56 28045 MADRID Spain Spain EU contribution: EUR 308 625

Activity type: Other Contact the organisation

Last updated on 2018-05-02 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/214366_en.html

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Treat2ReUse

Project ID: 795974

Funded under: H2020-EU.1.3.2. - Nurturing excellence by means of cross-border and cross-sector mobility

Treatment of Animal Waste to Reduce Gaseous Emissions and Promote Nutrient Reuse

From 2019-01-01 to 2020-12-31, Grant Agreement signed

Project details

Total cost:	Topic(s):
EUR 212 194,80	MSCA-IF-2017 - Individual Fellowships
EU contribution:	Call for proposal:
EUR 212 194,80	H2020-MSCA-IF-2017 See other projects for this call
Coordinated in:	Funding scheme:
Denmark	MSCA-IF-EF-ST - Standard EF

Objective

Intensification and industrialization of livestock operations lead to the production of large and spatially concentrated amounts of animal manure. If not properly treated or utilised, manure has significant negative impacts on the environment. Livestock production is the largest contributor to ammonia emissions of increased concern in the EU and low emission manure management technologies are needed. However, less than 8% of the livestock manure produced in Europe is processed, with large variations within regions. Furthermore, properly treated manure could serve as a valuable source of organic matter and nutrients for fertilizing crops and for energy production, replacing current fossil-based products.

The current project aims to develop a new and efficient treatment technology to reduce environmental impacts from animal manure which will make a substantial contribution for a more sustainable and environmental friendly agriculture practice, gaining economic value from the reuse of treated manures to replace mineral fertilizer, contributing to a biobased and circular economy.

The project will cover fundamental understanding of mechanisms involved in different acidification treatments, the development (with industry) of a new and sustainable acidification practice, and improving the fertiliser value of products. Project outcomes will be i) reduction of gaseous emissions with safer practice on farms and ii) a gained value from reused products, limiting the dependence on mineral fertilizers.

My past professional and research experience gives me confidence in my capabilities to develop, innovate and implement the new methodologies to be employed in the project. Together with the experience and facilities of the host and partners, this guarantees the successful completion of the project, at a time at which this research is highly relevant to current societal and environmental needs, as well as strengthening of my career development.



KOBENHAVNS UNIVERSITET NORREGADE 10 1165 KOBENHAVN Denmark

Activity type: Higher or Secondary Education Establishments Contact the organisation

Last updated on 2018-03-13 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/213989_en.html © European Union, 2018

Denmark EU contribution: EUR 212 194,80







PTwist

Project ID: 780121

Funded under:

H2020-EU.2.1.1. - INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies - Information and Communication Technologies (ICT)

PTwist: An open platform for plastics lifecycle awareness, monetization, and sustainable innovation

From 2018-01-01 to 2019-12-31, ongoing project

Project details

Total cost:	Topic(s):
EUR 2 178 353,75	ICT-11-2017 - Collective Awareness Platforms for Sustainability and Social
EU contribution:	Innovation
EUR 1 824 683,38	Call for proposal:
Coordinated in:	H2020-ICT-2017-1 See other projects for this call
Greece	Funding scheme:
	IA - Innovation action

Objective

PTwist aims to design, deploy, and validate an open platform which will twist plastic reuse practices, by boosting citizens awareness, circular economy practices, and sustainable innovation inline with the new plastics economy vision. This will be achieved by offering : a) crowdsourcing tools to enable generation of an evolving plastic materials reuse taxonomy and an open plastic reuse machinery designs repository; b) a monetary system of PCoins and PWallets maintained by a blockchain based architecture which will safeguard trusted plastics reuse transactions among citizens and inventors (such as fablabs); c) a citizens and communities rewarding and engagement experiences by interactive and collaborative gamification which embeds Pcoins crediting; d) a virtual marketplace for exhibiting and commercializing of PTwist inspired plastics reuse products monetized in the proposed PCoins unit. Cutting edge gamification, analytics, and circular economy mechanisms will be integrated under an open platform to be validated and stress tested under a common use cases methodology. Three local and globally synchronized pilots will intensify all stakeholders (citizens communities, inventors, innovators, and entrepreneurs) involvement and engagement, with emphasis on the social gains and sustainability potential. PTwist will largely impact : citizens and grassrooted groups co-creation, innovative and trusted collaboration and knowledge transfer by increasing all stakeholders awareness; plastics as an asset potential due to increasing its circular economy re-entering; and blockchain based novel routes to markets. Innovation activities in PTwist will be based upon existing open source, blockchain, gaming, crowdsourcing components, open data solutions and developments to the largest possible extent.



ARISTOTELIO PANEPISTIMIO THESSALONIKIS UNIVERSITY CAMPUS ADMINISTRATION BUREAU 54124 THESSALONIKI Greece

Activity type: Higher or Secondary Education Establishments Contact the organisation

Participants

FACHHOCHSCHULE ZENTRALSCHWEIZ - HOCHSCHULE LUZERN WERFTESTRASSE 4 6002 LUZERN Switzerland

Activity type: Higher or Secondary Education Establishments Contact the organisation

NUROGAMES GMBH SCHAAFENSTRASSE 25 50676 KOLN Germany

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

BETTER FUTURE FACTORY BV MAASBOULEVARD 100 3063 NS ROTTERDAM Netherlands

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

ALMERYS 46 RUE DU RESSORT 63100 CLERMONT-FERRAND France

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Greece EU contribution: EUR 428 372,50

Switzerland **EU contribution:** EUR 407 840

Germany EU contribution: EUR 207 047,75

Netherlands

EU contribution: EUR 131 634,13

France EU contribution: EUR 245 985,25

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Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

DIKTYO MESOGEIOS SOS	Greece
MAMAI ST 3	EU contribution: EUR 105
10440 ATHINA	422,50
Greece	
Activity type: Other	
Contact the organisation	
STICHTING BLUECITY	Netherlands
MAASBOULEVARD 100	EU contribution: EUR 57
3063 NS ROTTERDAM	817,50
Netherlands	
Activity type: Other	
Contact the organisation	
TEKNOLOJI ARASTIRMA GELISTIRME ENDUSTRIYEL URUNLER BILISIM TEKNOLOJILERI SANAYI VE	Turkey
TICARET ANONIM TICARET	
AYNUR SOKAK 10 DAIRE 6 GURSEL MAH CAGLAYAN KAGITHANE	EU contribution: EUR 56
34440 ISTANBUL	047,25
Turkey	
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishmen	ts)
Contact the organisation	

Last updated on 2018-02-28 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/213112_en.html © European Union, 2018

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BioBur

Project ID: 808747
Funded under:
H2020-EU.2.1.1. - INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies - Information and Communication Technologies (ICT)
H2020-EU.2.3.1. - Mainstreaming SME support, especially through a dedicated instrument
H2020-EU.3.3. - SOCIETAL CHALLENGES - Secure, clean and efficient energy

Multifuel, Economic, High Efficiency High Thermal Power Rotating Biomass Burner for IndustrialApplications

From 2018-02-01 to 2018-05-31, closed project

Project details

Total cost:	Topic(s):
EUR 71 429	SMEInst-09-2016-2017 - Stimulating the innovation potential of SMEs for a low
EU contribution:	carbon and efficient energy system
EUR 50 000	Call for proposal:
Coordinated in:	H2020-SMEINST-1-2016-2017 See other projects for this call
Spain	Funding scheme:
	SME-1 - SME instrument phase 1

Objective

The food and beverages processing sector (FBP) is the largest manufacturing industry in South East Europe in terms of regional turnover and employment accounting for 27% of turnover and 18% of employment in manufacturing . About 80% of the total energy associated with the entire food life cycle is originated from fossil fuels. In terms of Greenhouse Gases (GHG) food consumption in 2013 has led the average EU citizen to emit the equivalent emissions from travelling about 22.800km by car .

Consequently, the sector is looking for energetic alternatives 1) With high efficiency performance; 2) Reducing their dependency to fossil fuels, 3) Incorporating their business models to the circular economy approach, 4) Reducing their operational costs with more cost-effective fuels and resilient to market price fluctuations, 5) With a fast and easy integration and relatively short pay-back.

Current solutions are mainly based in Grate-fired boilers that are simple and admit different types of feedstock but presents limitations in terms of the high space it needs, its low efficiency and high emissions. Other recent approaches have separated the burner from the boiler even though normally provide no much power, only use one type of biomass, presents low efficiencies (<90%) and require high maintenance.

Natural Fire, leader of bakery biomass burner market industry in Europe, aims to accelerate the commercialization of a multifuel biomass rotating burner (BioBuR) which is high efficient (up to 98%), high compact (50 % reduction in size) and economic (up to 75 % price reduction) when comparing with grate-fired solution; by scaling it up to 3-10 MW and able to substitute to the fossil fuel burners within the FBP industry (saving up to 4 times operational costs and reducing also their GHG).



NATURAL FIRE, SL CTRA VILLENA KM 1, CAMINO LAS ARTESILLAS 30510 YECLA Spain

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2018-02-22 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/213702_en.html

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HORIZON 2020

BIAR

Project ID: 807140

Funded under:

H2020-EU.2.1.1. - INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies - Information and Communication Technologies (ICT) H2020-EU.2.3.1. - Mainstreaming SME support, especially through a dedicated instrument H2020-EU.3.3. - SOCIETAL CHALLENGES - Secure, clean and efficient energy

THE BIAR PROCESS: TRANSFORMING LOW-VALUE BIOMASSESINTO HIGHLY VALUABLE FOR ENERGY-RECOVERY FUELS

From 2018-03-01 to 2018-06-30, closed project

Project details

Total cost:	Topic(s):
EUR 71 429	SMEInst-09-2016-2017 - Stimulating the innovation potential of SMEs for a low
EU contribution:	carbon and efficient energy system
EUR 50 000	Call for proposal:
Coordinated in:	H2020-SMEINST-1-2016-2017 See other projects for this call
Italy	Funding scheme:
	SME-1 - SME instrument phase 1

Objective

Bioenergy is by far the leading renewable energy source in Europe, accounting for 61.2% of all renewable energy sources consumed. The increasing demand is attributed to the fact that biomass is the only renewable energy source providing solutions for all energy sectors: transportation, power, and heating and cooling.

Due to this high demand, European biomass industry has the neccesity of making a better energetic use of the feedstocks and wastes, which are continuously generated but are practically unused in energetic terms due to their ash-rich content, which is regulated by the ISO 17225.

BiAR is a chemical proccess to remove the ash content from ash-rich lignocellulosic (e.g. bark, rice husks) up to 95% biomass or sludge digestate, that consists of 3 differentiated steps: 1) liquefaction of the organics through solvolysis, 2) ash content separation through filtration, and 3) recovery of solvents through distillation. BiAR is a process for the valorisation of wastes, increasing their efficiency as a fuel up to 90% but also increasing their economic value since the produced pellets will be sold at higher price thanks to the improvement in the quality. Thus, biomass pellets producers will be willing to pay for a process that will help them to increase their benefits per ton (in the worst scenario, they will increase the selling price from 129 €/ton Enplus B pellets to 230 €/ton EnplusA1). Thus, BiAR will increase the benefits of biomass pellet producers up to more than 200%.

Moreover, BiAR process in aligned with the EU's Renewable Energy Directive (2009/28/EC), which sets a 20% target of energy consumption from renewable sources by 2020, with bioenergy playing a key role. BiAR will help to boost the Circular Economy in Europe since it is the only proccess able to valorise wastes and sludges, that nowadays cannot be used with energetic purposes.



INSER ENERGIA SRL VIA DONATI 14 10121 TORINO Italy

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2018-02-22 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/213624_en.html © European Union, 2018

Italy EU contribution: EUR 50 000







R3FIBER

Project ID: 809308

Funded under:

H2020-EU.2.3.1. - Mainstreaming SME support, especially through a dedicated instrument H2020-EU.3.5. - SOCIETAL CHALLENGES - Climate action, Environment, Resource Efficiency and Raw Materials

Eco-innovation in Composites Recycling for a Resource-Efficient Circular Economy

From 2018-03-01 to 2018-08-31, ongoing project

Project details

Total cost:	Topic(s):
EUR 71 429	SMEInst-11-2016-2017 - Boosting the potential of small businesses in the areas
EU contribution:	of climate action, environment, resource efficiency and raw materials
EUR 50 000	Call for proposal:
Coordinated in:	H2020-SMEINST-1-2016-2017 See other projects for this call
Spain	Funding scheme:
	SME-1 - SME instrument phase 1

Objective

Composite materials or FRPs are the construction materials of the future. Due to their excellent properties (light weight and high mechanical performance), FRPs are becoming the material of choice for industries such as aerospace, automotive, construction or wind energy. Market drivers such as regulations on CO2 emissions reduction or increased energy efficiency guarantee this rising trend.

However, a new environmental problem is arising since no industrial process exist that allows for material recycling or valorisation. End-of-life composite materials, already considered as an emerging waste, are currently landfilled, the last disposal option in the Waste Directive. A spin-off of the Spanish Higher Council for Scientific Research (CSIC) born in 2016, Thermal Recycling of Composites S.L. (TRC) aims to industrially develop, exploit and commercialise a technology for the recycling of composite materials, allowing for complete valorisation of mass, energy and materials in a zero-residue process. The R3FIBER process, validated at pilot plant scale, provides a disruptive solution to recycle wind turbine blades and other composites, obtaining high quality glass and carbon fibres, heat and energy in a clean and energy-efficient, self-sustained process, thus creating a new global market for raw composite materials. The new process will contribute to address European priorities related to circular economy (COM/2015/0614), resource efficiency (COM(2011) 571) and low carbon economy (2050 Roadmap). During Phase 1, the technical and economic feasibility of R3FIBER will be studied to define key sectors for market introduction, establish strategic alliances with key stakeholders and design the scale-up of the industrial plant for implementation and industrial exploitation during Phase 2.



THERMAL RECYCLING OF COMPOSITES, SOCIEDAD LIMITADA CALLE ALMERIA 1 POLIGONO INDUSTRIAL CIDESA 08740 SANT ANDREU DE LA BARCA Spain Spain EU contribution: EUR 50 000

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2018-02-16 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/213724_en.html © European Union, 2018

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PRS

Project ID: 807611

Funded under:

H2020-EU.2.3.1. - Mainstreaming SME support, especially through a dedicated instrument H2020-EU.3.5. - SOCIETAL CHALLENGES - Climate action, Environment, Resource Efficiency and Raw Materials

PRS, a disruptive technology for the industrial repair of large series of reusable plastic articles in the circular economy

From 2018-02-01 to 2018-07-31, ongoing project

Project details

Total cost:	Topic(s):
EUR 71 429	SMEInst-11-2016-2017 - Boosting the potential of small businesses in the areas
EU contribution:	of climate action, environment, resource efficiency and raw materials
EUR 50 000	Call for proposal:
Coordinated in:	H2020-SMEINST-1-2016-2017 See other projects for this call
Spain	Funding scheme:
	SME-1 - SME instrument phase 1

Objective

In Europe, there are 1.8 billion items of plastic Returnable Transport Packaging (RTP), which are plastic pallets and crates that are used across various sectors, including the automotive, beverage, logistic and pooling services. Also in Europe, the number of plastic street containers for Municipal Solid Waste (MSW) exceeds ten million. The average lifetime of these articles ranges from five to ten years. When they break, these items are discarded and replaced with new ones. Discarded items have three destinations: recycling, incineration or as landfill. The owners of these plastic elements barely consider the possibility of their repair.

At Plastic Repair System, we have developed and patented an industrial technology for the repair of reusable plastic articles, which allows their use with total confidence and guarantees, while the cost of repair is less than one third of the new value of the same article. Repairs undertaken with PRS technology have been analysed by independent laboratories that have certified that PRS recovers 100% of the object's functionality and at least 98% of its original strength.

The industrialization of processes allows the systematic repair of large volumes of plastic articles, achieving significant cost savings for our customers, as well as environmental advantages. We estimate that our technology will help to reduce the carbon footprint in at least 0.89 Kg CO2 per Kg of repaired plastic item.

After having successfully tested our technology on a small scale, we want to expand our Business Model internationally, starting with Europe. In fact, some customers with plants in several countries have asked us to extend our service to their plants in other countries. We have received also interest from two European venture capital funds focused in innovative companies in the circular economy. Phase 1 of SME Instrument represents an opportunity to improve our Business Plan for internationalization in a way that will allow us to minimize any risk.



PLASTIC REPAIR SYSTEM 2011 SL AVENIDA SANCHO EL FUERTE 53 BAJO 31007 PAMPLONA Spain

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2018-02-14 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/213644_en.html © European Union, 2018

Spain EU contribution: EUR 50 000







CE-IOT

Project ID: 777855

Funded under: H2020-EU.1.3.3. - Stimulating innovation by means of cross-fertilisation of knowledge

A Framework for Pairing Circular Economy and IoT: IoT as an enabler of the Circular Economy circularity-by-design as an enabler for IoT (CE-IoT)

From 2018-07-01 to 2022-06-30, ongoing project

Project details

Total cost:	Topic(s):
EUR 1 692 000	MSCA-RISE-2017 - Research and Innovation Staff Exchange
EU contribution:	Call for proposal:
EUR 1 692 000	H2020-MSCA-RISE-2017 See other projects for this call
Coordinated in:	Funding scheme:
France	MSCA-RISE - Marie Skłodowska-Curie Research and Innovation Staff Exchange (RISE)

Objective

The overall aim of CE-IoT is to develop an innovative framework of interplay between Circular Economy and IoT, to explore novel ways in which this interaction can drastically change the nature of products, services, business models and ecosystems. The CE-IoT framework will be bi-dimensional and bi-directional in terms of circularity, aiming to develop (i) novel circular economy business models and service supply chains to unlock CE-IoT synergies in order to generate direct value for customers/end-users and augmenting resource productivity across economies by forming new ecosystems that eliminate both negative externalities and the need for considerable resources altogether, and (ii) open, circular-by-design IoT architecture, where "smart" IoT objects (e.g., sensors, devices, systems and components) are integrated in the IoT ecosystem through patterns with proven key circularity-enabling properties (scalable connectivity, end-to-end security/privacy, dependability and interoperability) to maximize IoT resource and data harvesting in a new breed of circular-by-design IoT ecosystems. To achieve its overall aim, CE-IoT will undertake research and innovation activities to (i) establish a comprehensive framework with IoT as a key enabling and facilitating technology of the circular economy from a business perspective based on circular economy design patterns, (ii) to develop an open modular, circular-by-design IoT architecture based on IoT architectural design patterns and (iii) to integrate an overarching pattern-driven CE-IoT framework covering both business and technical aspects. CE-IoT will carry out comprehensive evaluation of the CE-IoT framework covering business, technical and legal aspects through two demonstrators in the domains of telecommunication and cloud services and will create conditions for effectuating circular economy principles through seamless integration with IoT technology and to broaden the use of the CE-IoT framework.


ECOLE NATIONALE DES PONTS ET CHAUSSEES AVENUE BLAISE PASCAL-CITE DESCARTES-CHAMPS-SUR-MARNE 6-8 77455 MARNE LA VALLEE CEDEX 2 France

Activity type: Higher or Secondary Education Establishments Contact the organisation

Participants

THE CHANCELLOR MASTERS AND SCHOLARS OF THE UNIVERSITY OF CAMBRIDGE TRINITY LANE THE OLD SCHOOLS **CB2 1TN CAMBRIDGE** United Kingdom

Activity type: Higher or Secondary Education Establishments Contact the organisation

FOUNDATION FOR RESEARCH AND TECHNOLOGY HELLAS N PLASTIRA STR 100 70013 HERAKLION Greece

Activity type: Research Organisations Contact the organisation

CABLENET COMMUNICATION SYSTEMS LTD 41-49 AY. NICOLAU STREET, NIMELI COURT, BLOCK A ENGOMI 2408 NICOSIA Cyprus

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

BLUESOFT SPOLKA Z OGRANICZONA ODPOWIEDZIALNOSCIA UL. ALEJE JEROZOLIMSKIE NR. 96 00 807 WARSZAWA Poland

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation



United Kingdom EU contribution: EUR 270 000

Greece EU contribution: EUR 324 000

Cyprus EU contribution: EUR 270 000

Poland EU contribution: EUR 270 000



DELOITTE CONSULTING & ADVISORY GATEWAY BUILDING LUCHTHAVEN NATIONAAL 1J 1930 ZAVENTEM Belgium

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2018-01-24 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/212980_en.html

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KET4CleanProduction

Project ID: 777441

Funded under: H2020-EU.2.3.2.2. - Enhancing the innovation capacity of SMEs H2020-EU.2.3.2.3. - Supporting market-driven innovation

Pan-European Access for man. SME on tech. services for clean production through a Network of premier KET Technology Centres with one stop shop access incl. EEN and discourse with policy makers on RIS3

From 2018-01-15 to 2021-01-14, ongoing project

Project details

Total cost:	Topic(s):
EUR 4 898 510	INNOSUP-03-2017 - Technology services to accelerate the uptake of advanced
EU contribution:	manufacturing technologies for clean production by manufacturing SMEs
EUR 4 898 510	Call for proposal:
Coordinated in:	H2020-INNOSUP-03-07-08-2017 See other projects for this call
Germany	Funding scheme:
	CSA - Coordination and support action

Objective

A multi-KET (key enabling technologies) approach is most beneficiary for SME in regard to increase in productivity, efficiency and market shares. To enable a Pan-European Access for SME on technology services for clean production, a network of premier KET Technology Centres with facilitated one stop shop access, offering SME multi-ket infrastructures and services across borders on pan-european level is generated, involving innovation consultants from the Enterprise Europe Network (EEN) being local = at the doorstep of EU`s manufacturing SMEs.

Due to the disparity of KET TC in EU28, KET4CleanProduction (KET4CP) enables also a discourse with policy makers on RIS3 and the potential of cross-border collaboration to cover specific SME needs for clean production technologies. KET4CP starts with 12-premier KET TC and 7 EEN as an open innovation ecosystem, with a one stop shop access. KET facilitators support the SME in identifying their specific technology challenge for clean production, propose services and technologies based on innovation potential + need analysis. The fast, flexible services focus on the SME 's business case. After a pilot phase with 20 SME innovation projects/micro grants, the network is scaled up adding 17 KET TC and 21 EEN members, to reach a critical mass of CP technology deployment in SME.

Targeted actions stimulate initial requests of >120 SME from > 10 EU MS and a total of 70 SME micro grant projects with min. 140 KET TC. 2 MEUR third party financing go to SME in total. 50 % are targeted for low to modest innovator regions. KET4CP delivers standard procedures / tools for KET TC transnational collaboration and joint service/shared infrastructure, based on business model scenarios stimulating KET TC to collaborate and share clients. KET4CP creates a sustainable platform, a win-win situation for all stakeholders with a high potential for scale up. The aim for 2022 is to have 100 KET TC and 180 EEN members with 1000 SME inquiries p.a.

Related information



STEINBEIS 2I GMBH KIENESTRASSE 35 70174 STUTTGART Germany

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Participants

ACONDICIONAMIENTO TARRASENSE ASSOCIACION CARRER DE LA INNOVACIO 2 08225 TERRASSA Spain

Activity type: Research Organisations Contact the organisation

THE UNIVERSITY OF WARWICK Kirby Corner Road - University House CV4 8UW COVENTRY United Kingdom

Activity type: Higher or Secondary Education Establishments Contact the organisation

RISE ACREO AB BOX 1070 164 25 KISTA Sweden

Activity type: Research Organisations Contact the organisation

HAHN-SCHICKARD-GESELLSCHAFT FUER ANGEWANDTE FORSCHUNG E.v. WILHELM-SCHICKARD-STRASSE 10 78052 Villingen Germany

Activity type: Research Organisations Contact the organisation Germany EU contribution: EUR 2 563 625

Spain EU contribution: EUR 133 450

> United Kingdom EU contribution: EUR 139 232,50

> > Sweden

EU contribution: EUR 138 556,25

Germany

EU contribution: EUR 140 292,50



JOANNEUM RESEARCH FORSCHUNGSGESELLSCHAFT MBH Austria **LEONHARDSTRASSE 59** EU contribution: EUR 127 105 8010 GRAZ Austria Activity type: Research Organisations Contact the organisation UNIVERSITY COLLEGE CORK - NATIONAL UNIVERSITY OF IRELAND, CORK Ireland WESTERN ROAD EU contribution: EUR 128 600 T12 YN60 Cork Ireland Activity type: Higher or Secondary Education Establishments Contact the organisation LABORATORIO IBERICO INTERNACIONAL DE NANOTECNOLOGIA Portugal AVENIDA MESTRE JOSE VEIGA **EU contribution:** EUR 125 218,75 4715-330 BRAGA Portugal Activity type: Research Organisations Contact the organisation Teknologian tutkimuskeskus VTT Oy Finland **VUORIMIEHENTIE 3 EU contribution:** EUR 122 818.75 02150 Espoo Finland Activity type: Research Organisations Contact the organisation COMMISSARIAT A L ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES France **RUE LEBLANC 25** EU contribution: EUR 149 825 75015 PARIS 15 France Activity type: Research Organisations Contact the organisation **BIO BASE EUROPE PILOT PLANT VZW** Belgium **RODENHUIZEKAAI 1** EU contribution: EUR 157 562,50 9042 GENT Belgium Activity type: Other Contact the organisation



FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V. Germany HANSASTRASSE 27C **EU contribution:** EUR 108 693,75 80686 MUNCHEN Germany Activity type: Research Organisations Contact the organisation BAY ZOLTAN ALKALMAZOTT KUTATASI KOZHASZNU NONPROFIT KFT. Hungary KONDORFA UTCA 1 **EU contribution:** EUR 103 468,75 1116 BUDAPEST Hungary Activity type: Research Organisations Contact the organisation INSTITUT JOZEF STEFAN Slovenia Jamova 39 **EU contribution:** EUR 136 131,25 1000 LJUBLJANA Slovenia Activity type: Research Organisations Contact the organisation **GIS-TRANSFERCENTER FOUNDATION** Bulgaria AKAD G BONCHEV ST BLOCK 4 **EU contribution:** EUR 113 437.50 1113 SOFIA Bulgaria Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation FOUNDATION FOR RESEARCH AND TECHNOLOGY HELLAS Greece N PLASTIRA STR 100 EU contribution: EUR 120 625 70013 HERAKLION Greece Activity type: Research Organisations Contact the organisation FONDEN VAEKSTHUS HOVEDSTADSREGIONEN Denmark FRUEBJERGVEJ 3 EU contribution: EUR 101 935 2100 KOBENHAVN Denmark Activity type: Other Contact the organisation



LATVIJAS TEHNOLOGISKAIS CENTRS NODIBINAJUMS AIZKRAUKLES IELA 21 1006 RIGA Latvia

SLOVAK BUSINESS AGENCY
MILETICOVA 23
821 09 BRATISLAVA
Slovakia

Activity type: Other Contact the organisation Slovakia **EU contribution:** EUR 76 770

TERA TEHNOPOLIS DOO ZA PROMICANJE NOVIH TEHNOLOGIJA INOVACIJA I PODUZETNISTVA	Croatia
TRG LJUDEVITA GAJA 6	EU contribution: EUR 105 375
31000 OSIJEK	
Croatia	

Activity type: Research Organisations Contact the organisation

Last updated on 2018-01-24 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/212949_en.html © European Union, 2018







CLIC

Project ID: 776758 Funded under: H2020-EU.3.5.6. - Cultural heritage

CLIC - Circular models Leveraging Investments in Cultural heritage adaptive reuse

From 2017-12-01 to 2020-11-30, ongoing project

Project details

Total cost:	Topic(s):
EUR 4 957 033	SC5-22-2017 - Innovative financing, business and governance models for
EU contribution:	adaptive re-use of cultural heritage
EUR 4 957 033	Call for proposal:
Coordinated in:	H2020-SC5-2017-OneStageB See other projects for this call
Italy	Funding scheme:
	RIA - Research and Innovation action

Objective

"The characteristics of cultural heritage and landscape pose significant challenges for its governance. Long since cultural heritage is considered as a resource for local development strategies. But there are some contradictions. The sites recognized as cultural heritage are increasing; the costs for functional reuse are growing, while public resources available are becoming scarcer, and private actors are increasingly focused on the short time for payback. The consequence is that there is a growing risk that the decay of heritage will increase year by year because of lack of financial support. Cultural heritage is a non-renewable capital and it is linked to the economy because economics refers to the management of scarce and non-renewable resources; for these reasons, heritage conservation is also an economic choice.

The CLIC project addresses significant challenges of cultural heritage and landscape adaptive reuse. It progresses the agenda on heritage-led local sustainable development by developing flexible, transparent, integrated and inclusive tools to manage the change of cultural landscape, which are required to leverage the potential of cultural heritage for Europe. The investment gap in cultural heritage and landscape regeneration will be addressed by CLIC through careful evaluation of all costs, of "complex values"" and impacts of adaptive reuse, selecting function(s) not only linked to tourism attractiveness, but also for the well-being improvement, providing critical evidence of wealth, jobs, social, cultural, environmental and economic returns on the investment.

The overarching goal of the CLIC trans-disciplinary research project is to identify evaluation tools to test, implement, validate and share innovative ""circular"" financing, business and governance models for systemic adaptive reuse of cultural heritage and landscape, demonstrating the economic, social, environmental convenience, in terms of long lasting economic, cultural and environmental wealth."



CONSIGLIO NAZIONALE DELLE RICERCHE PIAZZALE ALDO MORO 7 00185 ROMA Italy

Activity type: Research Organisations Contact the organisation

Participants

UPPSALA UNIVERSITET VON KRAEMERS ALLE 4 751 05 UPPSALA Sweden

Activity type: Higher or Secondary Education Establishments Contact the organisation

GROUPE ICHEC - ISC SAINT-LOUIS - ISFSC BOULEVARD BRAND WHITLOCK 6 1150 BRUXELLES Belgium

Activity type: Higher or Secondary Education Establishments Contact the organisation

UNIVERSITY COLLEGE LONDON GOWER STREET WC1E 6BT London United Kingdom

Activity type: Higher or Secondary Education Establishments Contact the organisation

TECHNISCHE UNIVERSITEIT EINDHOVEN GROENE LOPER 5 5612 AE EINDHOVEN Netherlands

Activity type: Higher or Secondary Education Establishments Contact the organisation Italy EU contribution: EUR 854 161,75

Sweden EU contribution: EUR 311 075

> Belgium EU contribution: EUR 326 112,50

> > United Kingdom

EU contribution: EUR 453 508,75

Netherlands

EU contribution: EUR 352 621,25



UNIVERSITY OF PORTSMOUTH HIGHER EDUCATION CORPORATION WINSTON CHURCHILL AVENUE UNIVERSITY HOUSE PO1 2UP PORTSMOUTH United Kingdom Activity type: Higher or Secondary Education Establishments Contact the organisation UNIVERZA V NOVI GORICI VIPAVSKA CESTA 13 ROZNA DOLINA **5000 NOVA GORICA** Slovenia Activity type: Higher or Secondary Education Establishments Contact the organisation WIRTSCHAFTSUNIVERSITAT WIEN WELTHANDELSPLATZ 1 1020 WIEN Austria Activity type: Higher or Secondary Education Establishments Contact the organisation UNIWERSYTET WARSZAWSKI **KRAKOWSKIE PRZEDMIESCIE 26/28** 00 927 WARSZAWA Poland Activity type: Higher or Secondary Education Establishments Contact the organisation ICLEI EUROPEAN SECRETARIAT GMBH (ICLEI EUROPASEKRETARIAT GMBH)* Leopoldring 3 79098 Freiburg Germany Activity type: Other

Contact the organisation

FACILITYLIVE OPCO SRL VIA FRATELLI CUZIO 42 27100 PAVIA Italy

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

EU contribution: EUR 320 236,25

Slovenia EU contribution: EUR 333 770

> Austria EU contribution: EUR 294 397,50

> > Poland

EU contribution: EUR 334 387,50

Germany EU contribution: EUR 436 400

> Italy EU contribution: EUR 250 083,75



VASTRA GOTALANDS LANS LANDSTING **REGIONENS HUS** 462 80 VANERSBORG Sweden

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

GRAD RIJEKA-GRADSKO VIJECE KORZO 16 51000 RIJEKA Croatia

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

COMUNE DI SALERNO VIA ROMA 1 **EU contribution:** EUR 169 84125 SALERNO Italy

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

STICHTING PAKHUIS DE ZWIJGER PIET HEINKADE 181 K 1019 HC AMSTERDAM Netherlands

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2018-01-24 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/212930 en.html © European Union, 2018

Croatia **EU contribution:** EUR 171 612,50

Italy 091,25

Netherlands EU contribution: EUR 184 325







CELION

Project ID: 791509

Funded under:

H2020-EU.2.3.1. - Mainstreaming SME support, especially through a dedicated instrument H2020-EU.3.5. - SOCIETAL CHALLENGES - Climate action, Environment, Resource Efficiency and Raw Materials

Circular Economy applied to LI-ION batteries for smart electric mobility in cities

From 2017-12-01 to 2018-05-31, closed project

Project details

Total cost:	Topic(s):
EUR 71 429	SMEInst-11-2016-2017 - Boosting the potential of small businesses in the areas
EU contribution:	of climate action, environment, resource efficiency and raw materials
EUR 50 000	Call for proposal:
Coordinated in:	H2020-SMEINST-1-2016-2017 See other projects for this call
Spain	Funding scheme:
	SME-1 - SME instrument phase 1

Objective

Recycling of automotive Li-ion batteries is complicated and not yet established because few End of Life (EoL) batteries will need recycling for another decade. Currently, re-using Li-ion batteries in 2nd-life applications is not as simple as removing a battery from a vehicle then installing it directly into a stationary system. Before a battery can be reused, it first must be manually removed from a vehicle and the pack disassembled into individual cells that must be tested to determine the battery's state of health (SoH), sending batteries without sufficient remaining capacity to be recycled. Even within the batteries suitable for reuse, cells must be sorted by similar remaining capacity, or else the 2nd life system performance would suffer. Thus, there are still clear technological, environmental and social needs in the field of reconditioning and reuse of existing Li-ion batteries of electric and hybrid cars within the small Electric Vehicles (EV) sector. They must be satisfied to get a smooth transition towards e-mobility model.

Under this scenario, ALBUFERA has developed an innovative Business Model (BM) based on circular economy principles capable to place on the market a set of 5 new products & services: 1) Technical advisory services for 1st life batteries (1) (Customer: Large EV manufacturer); 2) Supply of 2nd life batteries for electric motorcycles (2), electric bicycles (3) and golf carts (4) (Customer: small EV manufacturer) and O&M services and 3) supply of recycled materials of useless 2nd life batteries (5) (Customer: recycling companies). For that, the main objective of CELION "Circular Economy applied to LI-ION batteries for smart electric mobility in cities" is to know better both qualitatively and quantitatively the main limiting factors (technical, economic, environment and social) related to the development of a new generation of 2nd-life batteries for minor e-mobility applications through the development of an feasibility study.



ALBUFERA E-POWER SL AVENIDA DE ESPANA S/N 42110 OLVEGA Spain

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2018-01-24 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/213324_en.html © European Union, 2018

Spain EU contribution: EUR 50 000







MRP

Project ID: 789532

Funded under:

H2020-EU.2.3.1. - Mainstreaming SME support, especially through a dedicated instrument H2020-EU.3.5. - SOCIETAL CHALLENGES - Climate action, Environment, Resource Efficiency and Raw Materials

autonomous Multi-electric Recycling Process line

From 2017-11-01 to 2018-03-31, closed project

Project details

Total cost:	Topic(s):
EUR 71 429	SMEInst-11-2016-2017 - Boosting the potential of small businesses in the areas
EU contribution:	of climate action, environment, resource efficiency and raw materials
EUR 50 000	Call for proposal:
Coordinated in:	H2020-SMEINST-1-2016-2017 See other projects for this call
Italy	Funding scheme:
	SME-1 - SME instrument phase 1

Objective

Electronic waste's rampant growth is globally widespread. Moreover, as recycling is carried out at a low scale and at unprofitable costs, the current trend to deal with this issue is to export this waste to developing nations who have inadequate recycling facilities.

We at Guidetti S.r.I, Italian leader in innovative recycling solutions since 1980, are offering our latest technology, called MRP, for the electronic recycling industry offering benefits including: affordability, high production rates, automated processing with 24-hour operational capability and 30% reduction of power consumption. Furthermore, the system recycles a wider scrap profile (including automotive shredder residues) with a 100% recovery rate. No chemicals are used with our system. Our system aims to promote European initiatives on waste management, Waste electrical and electronic equipment WEEE Directive 2012/19/EU and circular economy.

The global market is valued at €14.5 billion (Europe accounting for 33.7% of it) and is forecasted to expand to €50 billion by 2021.

We have already developed a prototype which produced good preliminary results at our testing facility. With the SME Instrument funding support, we intend to finalized our developments and launch the product to the market ideally by 2020. By exploiting our technology, we reckon to generate a revenue and profit of ≤ 12.4 million and ≤ 5.58 million respectively over 5 years.



GUIDETTI SRL VIA SALVI N. 1 44045 RENAZZO CENTO FE Italy

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2018-01-24 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/213241_en.html © European Union, 2018

Italy EU contribution: EUR 50 000







FENIX

Project ID: 760792

Funded under: H2020-EU.2.1.5.4. - New sustainable business models

Future business models for the Efficient recovery of Natural and Industrial secondary resources in eXtended supply chains contexts

From 2018-01-01 to 2020-12-31, ongoing project

Project details

Total cost:	Topic(s):
EUR 3 995 125	NMBP-22-2017 - Business models and industrial strategies supporting novel
EU contribution:	supply chains for innovative product-services
EUR 3 995 125	Call for proposal:
Coordinated in:	H2020-NMBP-2017-two-stage See other projects for this call
Austria	Funding scheme:
	RIA - Research and Innovation action

Objective

The European Union faces several challenges caused by globalization. Both the delocalization of production plants (leading to more imported products) and the instability characterizing several industrial sectors force economies to re-think their business models and re-adapt them in a new context, where the sustainability of products and processes is more relevant. Within this overall framework, the need to think about innovative business models and industrial strategies, able to answer to these new requirements is mandatory. One chance is the exploitation of digital technologies. Another is the exploitation of secondary (and critical) resources that, currently, are wasted without any recovery. The project FENIX wants to consider both these issues and their potential at the same time, proposing something that could allow Europe to re-appropriate its pertaining position in the global market. The idea is to study innovative business models and industrial strategies (based on the circular economy paradigm) enabling the development of new product-services through the definition of novel supply chains, resulting from an unconventional mix of current ones. This could allow the easy re-use, reconfiguration and modularization of production systems, the exploitation of overcapacity and the renaissance of industrial poles all over the Europe. Furthermore, the circular economy driven business models and industrial strategies proposed by project FENIX will be demonstrated in existing pilot plants, adequately reconfigured and integrated based circular economy needs.

Coordinator

OSTERREICHISCHE GESELLSCHAFT FUR SYSTEM- UND AUTOMATISIERUNGSTECHNIK VEREIN

BECKMANNGASSE 51/28

1140 WIEN

Austria

Activity type: Research Organisations Contact the organisation

Participants



Austria **EU contribution:** EUR 508 750

POLITECNICO DI MILANO Italy PIAZZA LEONARDO DA VINCI 32 EU contribution: EUR 482 500 20133 MILANO Italy Activity type: Higher or Secondary Education Establishments Contact the organisation UNIVERSITA DEGLI STUDI DELL'AQUILA Italy PIAZZA VINCENZO RIVERA 1 EU contribution: EUR 560 000 67100 L AQUILA Italy Activity type: Higher or Secondary Education Establishments Contact the organisation CENTRE CIM FUNDACIO PRIVADA Spain Carrer Llorens i Artigas 12 EU contribution: EUR 349 375 08028 Barcelona Spain Activity type: Research Organisations Contact the organisation BALANCE TECHNOLOGY CONSULTING GMBH Germany **CONTRESCARPE 33** EU contribution: EUR 393 875 28203 BREMEN Germany Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation SINGULARLOGIC ANONYMI ETAIREIA PLIROFORIAKON SYSTIMATON KAI EFARMOGON Greece PLIROFORIKIS ACHAIAS 3 & TROIZINIAS EU contribution: EUR 331 250 14564 NEA KIFISIA Greece Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation **GREENTRONICS SRL** Romania **STRADA VIILOR 15** EU contribution: EUR 135 000 140110 ALEXANDRIA TELEORMAN Romania Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

> Page 121 of 184 Research and Innovation

ODOS AFSTRALIAS 114 85100 RODOS Greece Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation MBN NANOMATERIALIA SPA **VIA BORTOLAN 42** 31030 CARBONERA Italy Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation ETHNIKO KENTRO EREVNAS KAI TECHNOLOGIKIS ANAPTYXIS CHARILAOU THERMI ROAD 6 KM **57001 THERMI THESSALONIKI** Greece Activity type: Research Organisations

Contact the organisation

SMYRNAKIS GEORGIOS

Last updated on 2018-01-24 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/212828_en.html © European Union, 2018

Italy EU contribution: EUR 495 625

Greece EU contribution: EUR 267 500

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RENESENG II

Project ID: 778332

Funded under: H2020-EU.1.3.3. - Stimulating innovation by means of cross-fertilisation of knowledge

Renewable systems engineering for waste valorisation II

From 2018-01-01 to 2021-12-31, ongoing project

Project details

Total cost:	Topic(s):
EUR 666 000	MSCA-RISE-2017 - Research and Innovation Staff Exchange
EU contribution:	Call for proposal:
EUR 666 000	H2020-MSCA-RISE-2017 See other projects for this call
Coordinated in:	Funding scheme:
Greece	MSCA-RISE - Marie Skłodowska-Curie Research and Innovation Staff Exchange (RISE)

Objective

The project goal is to further advance the emerging area of Bio - process - systems engineering (BPSE) by capitalizing the recent advances and ITN of RENESENG (FP7 - PEOPLE - ITN) toward the following project objectives :

- Expanding the knowledge for value chains across feedstocks, products and industries, e.g., by looking into the potential of MSW (including food waste) energy chemicals nexus.

- Investigating the area of knowledge management (i.e., data structures, workflows, protocols) for the effective communication across the diverse academic research scales and industrial applications (i.e., lab to unit operations, to

process and plant design, to business development, sustainability assessment).

- Applying the existing RENESENG tools, models, methods, know how as well as the newly developed in this project to emerging topics of bioeconomy and links to circular economy, with special focus on various forms of "waste" biomass (e.g., MSW, glycerol, lignin). Enhancing the network with new aca demic and non academic partners and significantly contributing via meaningful secondments to the career development of ESR and ER.

Coordinator

NATIONAL TECHNICAL UNIVERSITY OF ATHENS - NTUA HEROON POLYTECHNIOU 9 ZOGRAPHOU CAMPUS 15780 ATHINA

Greece

Activity type: Higher or Secondary Education Establishments

Contact the organisation

Participants

Page 123 of 184 Research and Innovation Greece EU contribution: EUR 180 000 ARKEMA FRANCE RUE ESTIENNE D ORVES 420 92700 Colombes France

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

UNIVERSITY OF SURREY Stag Hill GU2 7XH GUILDFORD United Kingdom

Activity type: Higher or Secondary Education Establishments Contact the organisation

STICHTING WAGENINGEN RESEARCH DROEVENDAALSESTEEG 4 6708 PB WAGENINGEN Netherlands

Activity type: Research Organisations Contact the organisation

DANMARKS TEKNISKE UNIVERSITET ANKER ENGELUNDSVEJ 1 BYGNING 101 A 2800 KGS LYNGBY Denmark

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE BATIMENT CE 3316 STATION 1 1015 LAUSANNE Switzerland

Activity type: Higher or Secondary Education Establishments Contact the organisation

GREENE WASTE TO ENERGY SL CALLE MARTIN Y SOLER 18 ELCHE PARQUE EMPRESARIAL 03203 ELCHE Spain

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

United Kingdom EU contribution: EUR 94 500

> Netherlands EU contribution: EUR 0

Denmark **EU contribution:** EUR 81 000

Switzerland EU contribution: EUR 81 000

EU contribution: EUR 9 000

Spain



SOUTH KENSINGTON CAMPUS EXHIBITION ROAD EU contribution: EUR 54 000 SW7 2AZ LONDON United Kingdom Activity type: Higher or Secondary Education Establishments Contact the organisation CHALMERS TEKNISKA HOEGSKOLA AB Sweden EU contribution: EUR 121 500 41296 GOETEBORG Sweden Activity type: Higher or Secondary Education Establishments Contact the organisation **IBI TECHNOLOGY IVS** Denmark NIELS PEDERSENS ALLE 2, FOULUM EU contribution: EUR 9 000 8830 TJELE Denmark Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation **BIOPROCESS PILOT FACILITY BV** Netherlands **ALEXANDER FLEMINGLAAN 1** EU contribution: EUR 9 000 2613 AX DELFT Netherlands Activity type: Other Contact the organisation CHIMAR HELLAS AE Greece SOFOULI 88 EU contribution: EUR 9 000 55131 THESSALONIKI Greece Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation COMPAGNIE INDUSTRIELLE DE LA MATIERE VEGETAL CIM V France **11 BIS RUE LOUIS PHILIPPE** EU contribution: EUR 9 000 92200 NEUILLY SUR SEINE France Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation Last updated on 2018-01-24 Retrieved on 2018-07-19

United Kingdom

IMPERIAL COLLEGE OF SCIENCE TECHNOLOGY AND MEDICINE



Permalink: https://cordis.europa.eu/project/rcn/213025_en.html

 $\ensuremath{\mathbb{C}}$ European Union, 2018







IDEAL-CITIES

Project ID: 778229

Funded under: H2020-EU.1.3.3. - Stimulating innovation by means of cross-fertilisation of knowledge

Intelligence-Driven Urban Internet-of-Things Ecosystems for Trustworthy and Circular Smart Cities

From 2018-07-01 to 2022-06-30, ongoing project

Project details

Total cost:	Topic(s):
EUR 1 611 000	MSCA-RISE-2017 - Research and Innovation Staff Exchange
EU contribution:	Call for proposal:
EUR 1 611 000	H2020-MSCA-RISE-2017 See other projects for this call
Coordinated in:	Funding scheme:
Greece	MSCA-RISE - Marie Skłodowska-Curie Research and Innovation Staff Exchange (RISE)

Objective

IDEAL-CITIES aims to develop, demonstrate and evaluate an open modular platform for building adaptive Internet-of-Things and Participatory Sensing (IoTPS) based Smart City applications, supported by Big Data analytics and Cloud services. IDEAL-CITIES outcomes will increase urban life quality, safety and inclusivity by enabling citizens and authorities to produce and exchange contextualised distributed intelligence and information in real-time, in a trustworthy and sustainable manner. The IDEAL-CITIES platform will foster the development and uptake of novel IoTPS-based Smart City applications and enhance the associated market base, by demonstrating new feasible ways for providing IoTPS applications and services which can contribute to urban citizen's well-being and the cities' circular economy. The IDEAL-CITIES platform will be demonstrated in the context of two fully-fledged IoTPS Applications, with a focus on mobility for the impaired and on citizen safety, in close cooperation with involved communities (a non-profit organisation for the blind and partially-sighted and four municipalities, respectively), validating the utility of the proposed platform and approach.

Coordinator

FOUNDATION FOR RESEARCH AND TECHNOLOGY HELLAS N PLASTIRA STR 100 70013 HERAKLION Greece Greece EU contribution: EUR 297 000

Activity type: Research Organisations Contact the organisation

Participants



ECOLE NATIONALE DES PONTS ET CHAUSSEES AVENUE BLAISE PASCAL-CITE DESCARTES-CHAMPS-SUR-MARNE 6-8 77455 MARNE LA VALLEE CEDEX 2 France

Activity type: Higher or Secondary Education Establishments Contact the organisation

BOURNEMOUTH UNIVERSITY Fern Barrow BH12 5BB POOLE,DORSET United Kingdom

Activity type: Higher or Secondary Education Establishments Contact the organisation

BLUESOFT SPOLKA Z OGRANICZONA ODPOWIEDZIALNOSCIA UL. ALEJE JEROZOLIMSKIE NR. 96 00 807 WARSZAWA Poland

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

CABLENET COMMUNICATION SYSTEMS LTD 41-49 AY. NICOLAU STREET, NIMELI COURT, BLOCK A ENGOMI 2408 NICOSIA Cyprus

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

NODALPOINT SYSTEMS MITROPOLEOS STR. 43 AND MNISIKLEUS STR. 2 10556 ATHENS Greece

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2018-01-24 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/213015_en.html © European Union, 2018

United Kingdom **EU contribution:** EUR 270 000

Poland
EU contribution: EUR 270 000

Cyprus
EU contribution: EUR 252 000

Greece
EU contribution: EUR 270 000







CLAIM

Project ID: 774586

Funded under: H2020-EU.3.2.5. - Cross-cutting marine and maritime

research

Cleaning Litter by developing and Applying Innovative Methods in european seas

From 2017-11-01 to 2021-10-31, ongoing project

Project details

Total cost:	Topic(s):
EUR 6 185 612,75	BG-07-2017 - Blue green innovation for clean coasts and seas
EU contribution:	Call for proposal:
EUR 5 654 786,01	H2020-BG-2017-1 See other projects for this call
Coordinated in:	Funding scheme:
Greece	IA - Innovation action

Objective

CLAIM focuses on the development of innovative cleaning technologies and approaches, targeting the prevention and in situ management of visible and invisible marine litter in the Mediterranean and Baltic Sea.

Two innovative technological methods will be developed, a photocatalytic nanocoating device for cleaning microplastics in wastewater treatment plants and a small-scale thermal treatment device for energy recovery from collected litter on board ships and ports. An innovative floating boom for collecting visible litter and a method to measure microlitter on board ships (Ferrybox) will be developed. The proposed cleaning technologies and approaches prevent litter from entering the sea at two main source points, i.e. wastewater treatment plants and river mouths. Effectiveness of developed devices and methods will be demonstrated under real conditions.

Additionally, CLAIM will develop innovative modeling tools to assess the marine visible and invisible plastic pollution at basin and regional scales (Saronikos Gulf, Gulf of Lyon, Ligurian Sea and Belt Sea).

An ecosystems approach will be followed to evaluate the potential benefit from proposed litter cleaning methods to ecosystem services. New business models will be developed to enhance the economic feasibility for upscaling the innovative cleaning technologies, taking into account the existing legal and policy frameworks in the CLAIM countries, as well as acceptance of the new technologies by their end-users and relevant stakeholders.

The data and information produced will be made available to policymakers, stakeholders and end-users in a user-friendly format, both meaningful and tailored to each stakeholder group. CLAIM aims at the same time to raise public awareness with respect to having healthy oceans and seas, clean of litter and pollutants, and hence the importance of reducing marine (macro, micro and nano) pollution in European seas and beyond towards restoring marine ecosystems based on a circular economy.

Related information

Events

Ways to reduce ocean plastic pollution is the focus of a workshop hosted by European experts



HELLENIC CENTRE FOR MARINE RESEARCH LEOFOROS ATHENS SOUNIO 46 7KM 19013 ATTIKIA ANAVISSOS Greece

Activity type: Research Organisations Contact the organisation

Participants

DANMARKS METEOROLOGISKE INSTITUT Lyngbyvej 100 2100 KOBENHAVN Denmark

Activity type: Research Organisations Contact the organisation

KUNGLIGA TEKNISKA HOEGSKOLAN BRINELLVAGEN 8 100 44 STOCKHOLM Sweden

Activity type: Higher or Secondary Education Establishments Contact the organisation

CONSIGLIO NAZIONALE DELLE RICERCHE PIAZZALE ALDO MORO 7 00185 ROMA Italy

Activity type: Research Organisations Contact the organisation

DANMARKS TEKNISKE UNIVERSITET ANKER ENGELUNDSVEJ 1 BYGNING 101 A 2800 KGS LYNGBY Denmark

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Greece EU contribution: EUR 1 179 277,75

Denmark EU contribution: EUR 497 341,25

Sweden EU contribution: EUR 423 021,25

Italy EU contribution: EUR 353 500

Denmark

EU contribution: EUR 492 402,50



STICHTING VU DE BOELELAAN 1105 1081 HV AMSTERDAM Netherlands

Activity type: Higher or Secondary Education Establishments Contact the organisation

PENSOFT PUBLISHERS Bulgaria UL. GEO MILEV 13A EU contribution: EUR 206 1111 SOFIA Bulgaria Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation **IRIS SRL** Italy CORSO UNIONE SOVIETICA 612/21 EU contribution: EUR 241 689 10135 TORINO Italy Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation IKERCONSULTING EUROPEAN AND REGIONAL INNOVATION SOCIEDAD LIMITADA Spain C/ VIA VIEJA DE LEZAMA 2 EU contribution: EUR 297 48007 BILBAO Spain Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation CHRISTIAN-ALBRECHTS-UNIVERSITAET ZU KIEL Germany **OLSHAUSENSTRASSE 40** EU contribution: EUR 278 112,50 24118 KIEL Germany

Activity type: Higher or Secondary Education Establishments Contact the organisation

TALLINNA TEHNIKAULIKOOL Ehitajate tee 5 12616 TALLINN Estonia

Activity type: Higher or Secondary Education Establishments Contact the organisation

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Estonia EU contribution: EUR 235 437,50

798.38

937,50

Tunisia Activity type: Research Organisations Contact the organisation UNIVERSIDADE DE COIMBRA Portugal PACO DAS ESCOLAS EU contribution: EUR 177 965 3001 451 COIMBRA Portugal Activity type: Higher or Secondary Education Establishments Contact the organisation **PP-POLYMER AB** Sweden **KROSSGATAN 15 EU contribution:** EUR 137 150,13 162 50 VALLINGBY Sweden Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation UNIVERSITE LIBANAISE Lebanon MUSEUM SOUARE RECTORAT CENTRAL ADMINISTRATION EU contribution: EUR 134 695.75 - BEIRUT Lebanon Activity type: Higher or Secondary Education Establishments Contact the organisation WASTE & WATER France 2 ALLEE D'EVRY TECHNOPOLE DE NANCY BRABOIS EU contribution: EUR 115 325 54600 VILLERS-LES-NANCY France Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation INSTITUTE FOR EUROPEAN ENVIRONMENTAL POLICY, LONDON United Kingdom BELGRAVE ROAD 11 IEEP OFFICES FLOOR 3 **EU contribution:** EUR 92 187,50 SW1V 1RB LONDON United Kingdom

Tunisia

687,50

EU contribution: EUR 179

Activity type: Research Organisations Contact the organisation

Institut National des Sciences et Technologies de la Mer

2 Mars 1934 28

2025 Tunis



NEW NAVAL COMMERCIAL TECHNICAL LIMITED LIABILITY COMPANY 2ND KLM LAVRIOU SOUNIOU AVENUE 19500 Lavrion Greece

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

UNIVERSITE D'AIX MARSEILLE Boulevard Charles Livon 58 13284 Marseille France

Activity type: Higher or Secondary Education Establishments Contact the organisation

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Permalink: https://cordis.europa.eu/project/rcn/212422_en.html

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France EU contribution: EUR 105 750







SiEUGreen

Project ID: 774233

Funded under:

H2020-EU.3.2.1.1. - Increasing production efficiency and coping with climate change, while ensuring sustainability and resilience H2020-EU.3.2.1.3. - Empowerment of rural areas, support to policies and rural innovation

Sino-European innovative green and smart cities

From 2018-01-01 to 2021-12-31, ongoing project

Project details

Total cost:	Topic(s):
EUR 8 377 867,50	SFS-48-2017 - Resource-efficient urban agriculture for multiple benefits -
EU contribution:	contribution to the EU-China Urbanisation Partnership
EUR 6 999 999,38	Call for proposal:
Coordinated in:	H2020-SFS-2017-1 See other projects for this call
Norway	Funding scheme:
-	IA - Innovation action

Objective

SiEUGreen aspires to enhance the EU-China cooperation in promoting urban agriculture for food security, resource efficiency and smart, resilient cities. Building on the model of zero-waste and circular economy, it will demonstrate how technological and societal innovation in urban agriculture can have a positive impact on society and economy, by applying novel resourceefficient agricultural techniques in urban and peri-urban areas, developing innovative approaches for social engagement and empowerment and investigating the economic, environmental and social benefits of urban agriculture. In order to achieve its objectives, SiEuGreen brings together a multi-disciplinary Consortium of European and Chinese researchers, technology providers, SMEs, financiers, local and regional authorities and citizen communities. The project consists in the preparation, deployment and evaluation of showcases in 5 selected European and Chinese urban and peri-urban areas: a previous hospital site in Norway, community gardens in Denmark, previously unused municipal areas with dense refugee population in Turkey, big urban community farms in Beijing and Central China. Throughout SiEUGreen's implementation, EU and China will share technologies and experiences, thus contributing to the future developments of urban agriculture and urban resilience in both continents. The impact measurement during and especially beyond the project period is a key component in the project's design. Information and results obtained from the project will be disseminated through diverse communication and dissemination tools including, social media, an innovative app enhancing urban co-design, stakeholder conferences, hand-on training workshops, showcase demonstration forums, municipality events. A sustainable business model allowing SiEUGreen to live beyond the project period is planned by joining forces of private investors, governmental policy makers, communities of citizens, academia and technology providers.



NORGES MILJO-OG BIOVITENSKAPLIGE UNIVERSITET **UNIVERSITETSTUNET 3** 1430 AS Norway

Activity type: Higher or Secondary Education Establishments Contact the organisation

Participants

NIBIO - NORSK INSTITUTT FOR BIOOKONOMI **HOEGSKOLEVEIEN 7** 1430 AAS Norway

Activity type: Research Organisations Contact the organisation

THE INSTITUTE OF VEGETABLES AND FLOWERS CHINESE ACADEMY OF AGRICULTURAL China SCIENCES **12 ZHONGGUANCUN SOUTH STREET EU contribution:** EUR 0 100081 BEIJING China

Activity type: Research Organisations Contact the organisation

CREVIS SPRL RUE DE LA LOI 26 BTE 7 **1000 BRUXELLES** Belgium

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

NORDREGIO Sweden Holmamiralens vaeg 10 EU contribution: EUR 545 131,25 11186 STOCKHOLM Sweden

Activity type: Research Organisations Contact the organisation

Norway EU contribution: EUR 2 629 760

EU contribution: EUR 1 505 540

Norway

Belgium

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143.75

EU contribution: EUR 310

EMETRIS SYMVOULOI ANAPTYXIS ORGANOSIS KAI PLIROFORIKIS AE Greece **ADRIANOUPOLEOS 22** EU contribution: EUR 196 350 55133 KALAMARIA THESSALONIKI Greece Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation ARHUS KOMMUNE Denmark **RADHUSPLADSEN 2** EU contribution: EUR 101 750 8100 ARHUS C Denmark Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation VILABS (CY) LTD Cyprus 12 CHRYSANTHOU MYLONA HARMONIA BUILDING BLOCK 1 OFFICE 15 **EU contribution:** EUR 317 056,25 3030 LIMASSOL Cyprus Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation OKYS LTD Bulgaria 31 GLADSTONE STR, INNER YARD, FLOOR 2 TRIADITSA DISTRICT EU contribution: EUR 176 312.50 1000 SOFIA Bulgaria Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation BEIJING ECO-CREATIVE AGRICULTURAL SERVICE ALLIANCE China BUILDING 3, NO.16 DISTRICT, NO. 188, SOUTH 4TH RIN D, FENGTAI DISTRICT **EU contribution:** EUR 0 100071 BEIIING China Activity type: Other Contact the organisation BEIJING GREEN VALLEY SPROUTS CO LTD China 100 METERS NORTH OF WEST VILLAGE WANG ZUO COUNYRY FENGTAI DISTRICT **EU contribution:** EUR 0 100074 BEIJING China Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)

Contact the organisation



A-AQUA AS Norway **HAUKELIVEIEN 48** EU contribution: EUR 336 087,50 1415 Oppegard Norway Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation HATAY METROPOLITAN MUNICIPALITY Turkey ADNAN MENDERES CAD. CUMHURIYET ALANI 2 EU contribution: EUR 357 965 31100 ANTAKYA HATAY Turkey Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation RURAL DEVELOPMENT INSTITUTE CHINESE ACADEMY OF SOCIAL SCIENCES China 5 JIANGUOMENNEI DAJIE CASS HEADQUARTER BUILDING 13TH FLOOR DONGCHENG DISTRICT **EU contribution:** EUR 0 100732 BEIJING China Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation Sampas Bilisim Ve Iletisim Sistemleri Sanayi Ve Ticaret A.S. Turkey Orhan Veli Kanik Cd. No:3 Eryilmaz Plaza K:3 EU contribution: EUR 214 506.25 34810 Istanbul Turkey Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation HUNAN HENGKAI ENVIRONMENTAL PROTECTION SCIENCE & TECHNOLOGY INVESTMENT China CO.LTD HENG KAI ENVIRONMENTAL SCIENCE AND TECHNOLOGY PARK NO 68 ZHU YUN ROAD, YUELU **EU contribution:** EUR 0 DISTRICT 410000 CHANGSHA HUNAN China Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation SEECON INTERNATIONAL GMBH Switzerland MULIGASSE 7 **EU contribution:** EUR 182 896,88 6130 WILLISAU Switzerland Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation



LEIBNIZ-INSTITUT FUR GEMUSE- UND ZIERPFLANZENBAU GROSSBEEREN/ERFURT EV THEODOR ECHTERMEYER WEG 1 14979 GROSSBEEREN Germany

Activity type: Research Organisations Contact the organisation

BEIJING PHOTON SCIENCE & TECHNOLOGY CO., LTD 6H8, HUIKE BUILDING, NO.158 WEST 4TH RING ROAD, HA RICT 100142 BEIJING China China EU contribution: EUR 0

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2017-10-31 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/212412_en.html

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MYPACK

Project ID: 774265

Funded under: H2020-EU.3.2.2.3. - A sustainable and competitive agri-food

industry

Best markets for the exploitation of innovative sustainable food packaging solutions

From 2017-11-01 to 2021-04-30, ongoing project

Project details

Total cost:	Topic(s):
EUR 5 709 892,50	SFS-35-2017 - Innovative solutions for sustainable food packaging
EU contribution:	Call for proposal:
EUR 4 649 860,91	H2020-SFS-2017-1 See other projects for this call
Coordinated in:	Funding scheme:
France	IA - Innovation action

Objective

Mypack general objective is to help sustainable food packaging technologies to reach or to extend their market. It will provide general guidelines to select the best market for a new technology and to ensure the best commercial development, through (i) the best environmental efficiency (direct impacts of packaging, food waste impacts, optimized recycling composting combusting end life, preserved consumer health), (ii) the best consumer acceptability, and (iii) an optimized industrial feasibility.

In order to do so, 3 ambitious SMART key objectives with associated KPIs will be considered during the Mypack project to promote the commercial development of:

- Biodegradable and compostable packaging.

- Packaging from renewable resources.

- Elaborated (high barrier and active) packaging technologies.

Barriers and challenges are clearly identified and solutions to overcome them are presented.

7 innovative sustainable food packaging solutions are considered of which 5 will be developed and exploited. The sustainable food packaging state of the art is comprehensively described and it is made clear how Mypack solutions will extend beyond it. Appropriate measures, in line with the work program, were selected to maximize the impact of the project.

Mypack project targets the scope of the call throughout this proposal and is thus fully in line with the call objectives. A convincing exploitation plan is presented in the form of 7 work packages, 5 of which are technical in nature. Appropriate milestones and risks are considered in order to complete the project objectives in the due time.

The Mypack consortium is composed of 18 partners, covering the academic, scientific and industrial world, including SMEs. Major stakeholders have provided letters of intent, showing their interest in the Mypack approach which will have essential impact in order to define the best markets for the exploitation of innovative sustainable food packaging solutions.



ASSOCIATION DE COORDINATION TECHNIQUE POUR L'INDUSTRIE AGROALIMENTAIRE 16 RUE CLAUDE BERNARD 75231 PARIS France Activity type: Other

Contact the organisation

Participants

CONSERVATOIRE NATIONAL DES ARTS ET METIERS RUE SAINT MARTIN 292 75141 PARIS CEDEX 03 France

Activity type: Higher or Secondary Education Establishments Contact the organisation

WIPAK WALSRODE GMBH & CO KG BAHNHOFSTRASSE 13 29699 BOMLITZ Germany

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

NOVAMONT SPA VIA GIACOMO FAUSER 8 28100 NOVARA Italy

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

UNIVERSITAET HOHENHEIM SCHLOSS HOHENHEIM 70599 STUTTGART Germany

Activity type: Higher or Secondary Education Establishments Contact the organisation Germany EU contribution: EUR 431 725

France EU contribution: EUR 144 820

EU contribution: EUR 933

Germany EU contribution: EUR 221 726,75

Italy EU contribution: EUR 319 048,63

Page 140 of 184 Research and Innovation France

769,13
WAGENINGEN UNIVERSITY **DROEVENDAALSESTEEG 4** 6708 PB WAGENINGEN Netherlands

Activity type: Higher or Secondary Education Establishments Contact the organisation

NATUREPLAST SAS France **RUE FRANCOIS ARAGO 11** EU contribution: EUR 289 14123 IFS France Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)

Contact the organisation

NATURENVIE France 23 AVENUE PAUL LANGEVIN **EU contribution:** EUR 101 803,63 17180 PERIGNY France Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation 2B Srl

Via della Chiesa Campocroce 4 31021 Mogliano Veneto Italy

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

HIPP-WERK GEORG HIPP OHG Germany LACHNERSTR. 22 **EU contribution:** EUR 62 624,63 **85276 MUNCHEN** Germany

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

CENTRO INTERNAZIONALE DI ALTISTUDI AGRONOMICI MEDITERRANEI Italy **VIA CEGLIE 9 EU contribution:** EUR 154 748,75 70010 VALENZANO Italy

Activity type: Higher or Secondary Education Establishments Contact the organisation

Italy EU contribution: EUR 270 592

005,50

UNIVERSITA DEGLI STUDI DELLA BASILICATA VIA NAZARIO SAURO 85 85100 POTENZA Italy

Activity type: Higher or Secondary Education Establishments Contact the organisation

STICHTING KENNISINSTITUUT DUURZAAM VERPAKKEN ZUID HOLLANDLAAN 7 2596 DEN HAAG Netherlands

Activity type: Other Contact the organisation

NINETEK INNOVAZIONI PER L'AGRO-INDUSTRIA SRL ATENEO LUCANO 10 85100 POTENZA Italy

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

FURST GMBH WERKER 6 91054 ERLANGEN Germany

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

EUROPAISCHE LIZENZIERUNGSSYSTEME GMBH MARGARETENSTRASSE 1 53175 BONN Germany

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

AVA BIOCHEM BSL AG ROTHAUSSTRASSE 61 4132 MUTTENZ Switzerland

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation Netherlands

Italy

925,13

EU contribution: EUR 107 493,75

EU contribution: EUR 212

Germany EU contribution: EUR 221 726,75

Germany EU contribution: EUR 88 902,63

Switzerland EU contribution: EUR 235 436,25



MPARMA STATHIS ANONYMI VIOMICHANIKIKAI EMPORIKI ETAIRIA DROMOS A5 INDUSTRIAL AREA OF THESSALONIKI 57022 SINDOS Greece

EU contribution: EUR 204 292,38

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2017-10-31 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/212414_en.html © European Union, 2018







YPACK

Project ID: 773872

Funded under: H2020-EU.3.2.2.3. - A sustainable and competitive agri-food

industry

HIGH PERFORMANCE POLYHYDROXYALKANOATES BASED PACKAGING TO MINIMISE FOOD WASTE

From 2017-11-01 to 2020-10-31, ongoing project

Project details

Total cost:	Topic(s):		
EUR 7 277 671,25	SFS-35-2017 - Innovative solutions for sustainable food packaging		
EU contribution:	Call for proposal:		
EUR 5 996 591,02	H2020-SFS-2017-1 See other projects for this call		
Coordinated in:	Funding scheme:		
Spain	IA - Innovation action		

Objective

The main objective of YPACK is the pre-industrial scale up and validation of two innovative food packaging solutions (thermoformed tray and flow pack bag) based on PHA, with active and passive barrier properties. New packaging will use food industry by-products (cheese whey and almond shells), assure the biodegradability and recyclability, and reduce food waste, in the frame of the EU Circular Economy strategy.

YPACK will use a holistic approach and methodology involving different knowledge areas: Development of packaging solutions (Production of PHBV layers, compounding, prototyping, Industrial Validation), Product Validation (Quality / Shelf life), Social approach (Customer profiling, Dissemination, Policies & Regulatory) and Market Assessment (Business study and Risk assessment). YPACK is aligned with the EU Circular Economy strategy, including the use of raw bio-based food industry byproducts, LCA studies, recyclability & biodegradability of packaging and trying to reduce Food Waste. The project is constructed in line with the Responsible Research and Innovation guidelines of the European Commission.

The project has a total duration of 36 months. Several processes related to the production of multilayered passive and active systems based on raw PHBV will be optimised and scaled up to pre-industrial size to validate the production of the proposed packaging solutions for extend the shelf life of selected food products. They consist in: i) a multilayer tray involving an inner active layer, and

ii) a multilayer flow pack with improved barrier properties. A consumer profiling and market study will be performed at the first stage of the project in order to identify consumers' preferences, market needs and match them with the new EU regulations and packaging materials breakthroughs.



AGENCIA ESTATAL CONSEJO SUPERIOR DEINVESTIGACIONES CIENTIFICAS CALLE SERRANO 117 28006 MADRID Spain

Activity type: Research Organisations Contact the organisation

Participants

AVECOM INDUSTRIEWEG 122P 9032 GENT-WONDELGEM Belgium

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

BIOINICIA SL CALLE ALGEPSER 65 PUERTA 3 46980 PATERNA Spain

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

BIOTREND - INOVACAO E ENGENHARIA EM BIOTECNOLOGIA SA BIOCANT PARK NUCLEO 4 LOTE 2 3060 197 CANTANHEDE Portugal

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

EUROPEAN FOOD INFORMATION COUNCIL RUE JOSEPH STEVENS 7 1000 BRUXELLES Belgium

Activity type: Other Contact the organisation Spain EU contribution: EUR 510 878,75

Belgium EU contribution: EUR 350 175

> Spain EU contribution: EUR 308 437,50

> > Portugal

EU contribution: EUR 149 242,63

Belgium

EU contribution: EUR 271 687,50



FUNDACION GAIKER Parque Tecnologico de Zamudio, Edificio 202 48170 ZAMUDIO Spain Activity type: Research Organisations Contact the organisation LABORATORIO IBERICO INTERNACIONAL DE NANOTECNOLOGIA AVENIDA MESTRE JOSE VEIGA 4715-330 BRAGA Portugal Activity type: Research Organisations Contact the organisation INTERTEK ITALIA SPA VIA GUIDO MIGLIOLI 2/A **EU contribution:** EUR 392 962,50 20063 CERNUSCO SUL NAVIGLIO Italy Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation **KPAD LTD** United Kingdom **1 KINGS AVENUE** EU contribution: EUR 168 000 N21 3 NA LONDON United Kingdom Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation LASER CONSULT MUSZAKI-TUDOMANYOS ES GAZDASAGI TANACSADO KORLATOLT Hungary FELELOSSEGU TARSASAG FELSO-TISZA PART 31 34 G IX EM 24 **EU contribution:** EUR 178 823,75 6723 SZEGED Hungary

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

LINPAC PACKAGING PRAVIA, SA VEGAFRIOSA, LA CALZADA 33128 PRAVIA, ASTURIAS Spain

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation



Portugal EU contribution: EUR 344 690

Italy

Spain

308,88

EU contribution: EUR 252



MELODEA LTD Israel THE FACULTY OF AGRICULTURE OF THE EU contribution: EUR 297 937.50 **76100 REHOVOT** Israel Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation MIGROS TICARET ANONIM SIRKETI Turkey ATATURK MAH TURGUT BULVARI NO7 ATASEHIR EU contribution: EUR 184 931,25 34758 ISTANBUL Turkey Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation NOVA ID FCT - ASSOCIACAO PARA A INOVACAO E DESENVOLVIMENTO DA FCT Portugal CAMPUS DE CAPARICA FACULDADE DE CIENCIAS E TECNOLOGIA DA UNIVERSIDADE NOVA **EU contribution:** EUR 410 187,50 DE LISBOA 2829 516 CAPARICA Portugal Activity type: Research Organisations Contact the organisation COMPANY FOR SOFTWARE PRODUCTION, TRADE AND SERVICES PRAJM APPS LLC SKOPHEer Yugoslav Republic of F 16-TA MAKEDONSKA BRIGADA NO. 13B-LOCAL 304 **EU contribution:** EUR 97 050,63 1000 SKOPJE Former Yugoslav Republic of Macedonia Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation SONAE CENTER SERVICOS II S.A. Portugal LUGAR DO ESPIDO, VIA NORTE EU contribution: EUR 234 806.25 4470-177 MAIA Portugal Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation NUEVAS TECNOLOGIAS PARA EL DESARROLLO DE PACKAGING Y PRODUCTOS Spain AGROALIMENTARIOS CON COMPONENTE PLASTICA SL POLIGONO INDUSTRIAL EMPRESARIUM C/ ROMERO 12 **EU contribution:** EUR 165 812,50 50720 ZARAGOZA Spain Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)

Contact the organisation



TUTTI PASTA SA POLIGONO COMARCA 2, CALLE B 10 31191 ESQUIROZ-NAVARRA Spain

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

UNIVERSIDADE DO MINHO LARGO DO PACO 4704 553 BRAGA Portugal

Activity type: Higher or Secondary Education Establishments Contact the organisation

UNIO CORPORACIO ALIMENTARIA, SCCL C. JOAN OLIVER NUM. 16-24 43206 REUS, TARRAGONA Spain

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

WAGENINGEN UNIVERSITY DROEVENDAALSESTEEG 4 6708 PB WAGENINGEN Netherlands

Activity type: Higher or Secondary Education Establishments Contact the organisation

Last updated on 2017-10-31 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/212406_en.html © European Union, 2018

Portugal EU contribution: EUR 600 320

Spain

873,88

Netherlands

EU contribution: EUR 54

EU contribution: EUR 627 075







RECOPHARMA

Project ID: 778266

Funded under: H2020-EU.1.3.3. - Stimulating innovation by means of cross-fertilisation of knowledge

Removal and Recovery of Pharmaceutical Persistent Pollutants from Wastewater by Selective Reagentless Process

From 2018-01-01 to 2021-12-31, ongoing project

Project details

Total cost:	Topic(s):		
EUR 895 500	MSCA-RISE-2017 - Research and Innovation Staff Exchange		
EU contribution:	Call for proposal:		
EUR 895 500	H2020-MSCA-RISE-2017 See other projects for this call		
Coordinated in:	Funding scheme:		
Spain	MSCA-RISE - Marie Skłodowska-Curie Research and Innovation Staff Exchange (RISE)		

Objective

Pharmaceutical drugs, characterized by their environmental persistence (e.g. cytostatic drugs [CDs]) have been detected in water bodies (drinking water, groundwater, surface water, and effluent wastewater) at concentrations up to µg/L level. Actual methods for the removal and degradation of CDs, including electrochemical, photochemical, and biological methods have been developed. However, these methods are expensive and sometimes inefficient for CDs complete removal from the treated water. Including the exploitation of previous results from EU funded projects, the goal of project RECOPHARMA is to design, develop, validate and demonstrate a novel process by sequential integration the potentials offered by Molecular Imprinted Polymers (MIPs), Reagentless Thermosorption (RTS), Nanocomposites Functional Materials, Advanced Oxidation Processes, for an effective treatment aiming the recovery of target recalcitrant CDs and degradation of corresponding transformation products or metabolites, working in a continuous operation mode. The suggested approach offers versatile, fast, highly efficient, and low-cost treatment for wastewaters.

RECOPHARMA brings together academic research centres and the private sector, with a long-term goal of designing and developing advanced water treatment technologies in the interest of the society and integrate them for demonstration following a circular economy approach. Through the scheduled secondments, the involved staff will perform the required R&I to demonstrate the technical and economic feasibility of the developed process, including the technical formation of specialists as a fundamental activity to project success. The secondments will also enhance the exchange of knowledge, best practices, know-how, innovations, experience, mutual cooperation and culture of work between different organizations, regions and countries through the partners' well-established reputation as transfer hubs.

Related information



UNIVERSITAT AUTONOMA DE BARCELONA CAMPUS DE LA UAB BELLATERRA 08193 CERDANYOLA BARCELONA Spain

Activity type: Higher or Secondary Education Establishments Contact the organisation

Participants

Contact the organisation

LUNDS UNIVERSITET Sweden Paradisgatan 5c EU contribution: EUR 171 000 22100 Lund Sweden Activity type: Higher or Secondary Education Establishments Contact the organisation UNIVERSITE DE PAU ET DES PAYS DE L'ADOUR France Avenue de l'Universite EU contribution: EUR 153 000 64000 PAU France Activity type: Higher or Secondary Education Establishments Contact the organisation UNIVERSITA DEGLI STUDI DI UDINE Italy **VIA PALLADIO 8** EU contribution: EUR 171 000 33100 UDINE Italy Activity type: Higher or Secondary Education Establishments Contact the organisation AERIS TECNOLOGIAS AMBIENTALES SL Spain **CALLE SANTA ROSA 38** EU contribution: EUR 63 000 08290 CERDANYOLA DEL VALLES Spain Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)

Page 150 of 184 Research and Innovation EUROPE FOR BUSINESS LTD 1ST FLOOR 26 FOUBERT PLACE W1F 7PP LONDON United Kingdom

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Partner organisations

UNIVERSIDAD DE LA HABANA COLINA UNIVERSITARIA SAN LAZARO Y L 10400 PLAZA Cuba Activity type: Higher or Secondary Education Establishments Contact the organisation

CENTRO DE INVESTIGACION Y DESARROLLO DE MEDICAMENTOS AVE 26 NO. 1605 BETWEEN BOYEROS AND PUERTES GRANDE PLAZA DE LA REVOLUCION 10600 HAVANA Cuba

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2017-10-31 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/212474_en.html © European Union, 2018



Cuba

Cuba





VIP

Project ID: 784865
Funded under:
H2020-EU.2.1.1. - INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies - Information and Communication Technologies (ICT)
H2020-EU.2.3.1. - Mainstreaming SME support, especially through a dedicated instrument
H2020-EU.3.4. - SOCIETAL CHALLENGES - Smart, Green And Integrated Transport

Véhicule Intelligent et Propre (Green and Smart Vehicle)

From 2017-10-01 to 2019-09-30, ongoing project

Project details

Total cost:	Topic(s):		
EUR 1 690 162,50	SMEInst-10-2016-2017 - Small business innovation research for Transport and		
EU contribution:	Smart Cities Mobility		
EUR 1 182 238,75	Call for proposal:		
Coordinated in:	H2020-SMEINST-2-2016-2017 See other projects for this call		
France	Funding scheme:		
	SME-2 - SME instrument phase 2		

Objective

VIP project objective is to develop, at an industrial level, a fuel quality sensor solution to be installed on-board vehicles for CO2 reduction.

At a time when all eyes are turning to alternative, carbon-free methods of propulsion, technology related to electric batteries and fuel cells are at the forefront when it comes to the means of producing or storing energy. However, the duration of the transition phase should not be underestimated - when existing technology and thermal engines are improved. The thermal engine is, and will remain for these next 30 years, the best way of moving vehicles. This means there is a part that must be dealt with urgently: the CLEAN thermal vehicle during this long transitional phase.

Europe and the world's leading jurisdictions are advocating and legislatively pushing for the adoption and widespread use of renewable fuels, which promote the circular economy and short circuits. These new fuels operate in traditional "drop in fuel" engines (i.e. up to 100%) by offering a reduction in CO2 of up to 90% compared to a conventional gasoline or diesel fossil fuel on the complete Well to Wheel cycle.

It is therefore the strengthening of legislation and taxation based on CO2 and pollutant emissions, coupled with a stricter approval process, including a part on vehicle real field use conditions which will lead to the integration and spread of new onboard measurement and control systems, closer to the fuel tank system.

This combination of constraints on vehicle approval, the regulatory effort to reduce greenhouse gas emissions combined with the availability on the market of refined renewable fuels in compliance with the RFQ / RED Guidelines on large volumes, opens a real prospect for the integration of a connected fuel quality/CO2 reduction function.

Fuel monitoring system also opens the door for automakers for engine/fuel co-optimization allowing to double CO2 saving by reaching up to 10% compared to a standard combustion with fossil fuels.



SP3H DOMAINE DU PETIT ARBOIS BATIMENT LAENNEC 13100 AIX EN PROVENCE France France EU contribution: EUR 1 182 238,75

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2017-10-31 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/212168_en.html

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MUBIC

Project ID: 778065

Funded under:

H2020-EU.2.3.1. - Mainstreaming SME support, especially through a dedicated instrument H2020-EU.3.5. - SOCIETAL CHALLENGES - Climate action, Environment, Resource Efficiency and Raw Materials

Mushroom and biogas production in a circular economy

From 2017-08-01 to 2019-07-31, ongoing project

Project details

Total cost:	Topic(s):	
EUR 4 185 022,50	SMEInst-11-2016-2017 - Boosting the potential of small businesses in the areas	
EU contribution:	of climate action, environment, resource efficiency and raw materials	
EUR 2 499 999	Call for proposal:	
Coordinated in:	H2020-SMEINST-2-2016-2017 See other projects for this call	
Denmark	Funding scheme:	
	SME-2 - SME instrument phase 2	

Objective

The problems: Biogas is important for the European renewable energy transition as it turns waste streams such as manure and sewage into biogas, and provides CO2-neutral energy. But the efficiency is low because the methane producing bacteria in the biogas digester have trouble accessing the energy locked in fibrous materials such as cellulose and lignin. This fraction passes through the biogas plant unused and is incinerated or spread on agricultural land. At the same time, mushroom producers must buy substrate to grow mushrooms and pay to discard it after use.

The solution: The AST technology creates a resource cycle between biogas production and mushroom production, reducing costs of mushroom production by up to 50% and utilizing also the fibrous fraction in biogas plants. The innovation is a technology where the fibrous fraction from biogas is used for growing mushrooms, and then returned to the biogas plant, offering improved economy as well as significant environmental benefits to both the mushroom and biogas industry.

The project: The AST concept has already been proven in pilot scale, and the next step is a full scale demonstration plant. In this project two AST plants are scaled up and integrated with mushroom production facilities and a biogas plant, respectively. It is essential for the market introduction and thus the commercial success to demonstrate such commercial operation for customers to invest in such plants.

Impact: The project will increase the competitiveness of the European mushroom industry currently under strong pressure from China, as well as the biogas industry, suffering from high operational costs.

The market: Biogas plants are rapidly being established to support the renewable energy transition with more than 15,000 plants currently in operation in Europe. The European mushroom industry uses about 3 m tons of substrate annually and grows with 10%. The market for the innovation is large, has a growing trend and strong drivers.



ADVANCED SUBSTRATE TECHNOLOGIES AS NIELS PEDERSENS ALLE 2 8830 TJELE Denmark

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Participants

PANBO SYSTEMS BV SCHUURKENSPAD 7 5986 BERINGE Netherlands Netherlands EU contribution: EUR 921 496

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2017-10-31 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/212144_en.html © European Union, 2018

Denmark EU contribution: EUR 1 578 503







Go SIV

Project ID: 776962

Funded under: H2020-EU.2.3.2.2. - Enhancing the innovation capacity of

SMEs

Support SMEs innovation and initiatives within Smart Industrial Villages (SIV), an approach for renovating traditional urban industrial areas

From 2017-10-16 to 2018-10-15, ongoing project

Project details

	v		
Total cost:	Topic(s):		
EUR 50 000	INNOSUP-05-2016-2017 - Peer learning of innovation agencies		
EU contribution:	Call for proposal:		
EUR 50 000	H2020-INNOSUP-05-2016-2017 See other projects for this call		
Coordinated in:	Funding scheme:		
Poland	CSA-LS - CSA Lump sum		

Objective

Go SIV project aims at improving the support provided to SMEs innovation processes by testing and developing a model of innovation ecosystem named "Smart Industrial Villages" (SIV).

In specific, the "Smart Industrial Villages" approach refers to a process of renovation of small and medium sized industrial areas located in the suburbs or within urban that were planned according to old models and included both small industrial enterprises and craft activities.

Go SIV has the aims to respond to specific needs (renovate the industrial areas; qualify the SMEs located in the area, respond to new criteria of urban quality). It also has the aims to develop and test an innovative model for refurbishment of industrial and craft areas promoting inclusive and participatory processes, the best synergies with public transport, accessibility, commercial and recreational use, activating new «smart» services, proposing forms of circular economy and sustainability. Through this, promoting the functionality of the local areas as innovation ecosystem, new forms of innovation and entrepreneurship in a proactive way as suggested by the call "for a better innovation of SMEs" of the work programme 2016-2017.

The project will use the peer learning methodology promoted by the INNOSUP-05-2016-2017 topic, involving different regional development and innovation agencies with complementary expertise about the topics relevant for the "Smart Industrial Villages". The partners will exchange knowledge and experience, and will develop proper local case studies (obtaining a process of "learning by doing"). The joint work of project partners together with the peer learning will produce a Design Options Paper for the implementation of local initiatives intended to develop a "Smart Industrial Village" and related innovation support services, and will promote an enhancement of the role and the effectiveness of development and innovation agencie as innovation intermediaries as expected by the topic.



AGENCJA ROZWOJU REGIONALNEGO SA ULICA CIESZYNSKA 365 43382 BIELSKO BIALA Poland

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Participants

ERVET - EMILIA ROMAGNA VALORIZZAZIONE ECONOMICA TERRITORIO SPA VIA G B MORGAGNI 6 40122 BOLOGNA Italy

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

ADRAL - AGENCIA DE DESENVOLVIMENTO REGIONAL DO ALENTEJO SA RUA 24 DE JULHO 1 1 E 7000 673 EVORA Portugal

Activity type: Other Contact the organisation

Last updated on 2017-10-30 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/212450_en.html © European Union, 2018

Poland EU contribution: EUR 50 000

> Italy EU contribution: EUR 0

> **EU contribution:** EUR 0

Portugal

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PolyCE

Project ID: 730308

Funded under:

H2020-EU.3.5.4. - Enabling the transition towards a green economy and society through ecoinnovation

Post-Consumer High-tech Recycled Polymers for a Circular Economy - PolyCE

From 2017-06-01 to 2021-05-31, ongoing project

Project details		
Total cost:	Topic(s):	
EUR 9 452 964,59	CIRC-01-2016-2017 - Systemic, eco-innovative approaches for the circular	
EU contribution:	economy: large-scale demonstration projects	
EUR 8 321 995,72	Call for proposal:	
Coordinated in:	H2020-CIRC-2016TwoStage See other projects for this call	
Germany	Funding scheme:	
	IA - Innovation action	

Objective

Various activities address the WEEE value chain in order to reduce waste generation and enhance the sustainable resource management through use of recycled materials instead of their virgin counterparts. While the system for metals recycling is already well established, the rising volumes of waste plastics point to stalemates in the current plastics economy, which hamper its shift to a more circular model. Although there are individual efforts to improve the collection and recycling of WEEE plastics, the plastics value chain is still too fragmented and WEEE recycled plastics seem unattractive material for the enduser. To shift towards circular economy a systematic transformation is required, involving all actors in the value chain and encompassing the entire lifecycle of plastic materials.

While substantially reducing the WEEE plastics generation and enhancing the use of recycled plastics in new applications, PolyCE will demonstrate the feasibility of circular plastics supply and value chain. In particular, PolyCE will elaborate harmonized set of technical requirements addressing the entire value chain and develop grade system for recycled plastics according to their material properties and final application suitability. Accordingly, PolyCE will strengthen the market for recycled plastics through an online platform integrating the different plastic grades. In parallel, the technical and economic feasibility as well as environmental benefits of using recycled plastics will be validated in several electronics demonstrators. In addition, PolyCE will provide Guidelines for designing new electronics products with recycled plastics. The project's impact will be scaled up by involving target cities and their green public procurement initiatives; by EU-wide information and awareness raising campaigns. PolyCE will establish a feedback loop from the research activities, provide policy input regarding technical feasibilities and policy conflicts from technical perspective



FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V. HANSASTRASSE 27C EU cor 80686 MUNCHEN Germany

Activity type: Research Organisations Contact the organisation

Participants

UNITED NATIONS UNIVERSITY JINGUMAE 5 CHOME 53-70 150 8925 SHIBUYA KU TOKYO Japan

Activity type: Higher or Secondary Education Establishments Contact the organisation

THE UNIVERSITY OF NORTHAMPTON HIGHER EDUCATION CORPORATION BOUGHTON GREEN ROAD PARK CAMPUS NN2 7AL NORTHAMPTON United Kingdom

Activity type: Higher or Secondary Education Establishments Contact the organisation

MGG POLYMERS GMBH WIPARK, 12. STRASSE 8 3331 KEMATEN AN DER YBBS Austria

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

SITRAPLAS GMBH MAYBACHSTRASSE 23 32257 BUNDE Germany

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Austria

EU contribution: EUR 324

EU contribution: EUR 444 892

Japan EU contribution: EUR 813 500

EU contribution: EUR 843 045

Germany

United Kingdom

252.50

EU contribution: EUR 186 987,50



Germany

PARQUE CIENTIFICO Y TECNOLOGICO DE GIPUZKOA PASEO MIKELETEGI 2 EU contribution: EUR 589 625 20009 DONOSTIA SAN SEBASTIAN Spain Activity type: Research Organisations Contact the organisation UNIVERSITEIT GENT Belgium SINT PIETERSNIEUWSTRAAT 25 EU contribution: EUR 886 458,34 9000 GENT Belgium Activity type: Higher or Secondary Education Establishments Contact the organisation KATHOLIEKE UNIVERSITEIT LEUVEN Belgium Oude Markt 13 EU contribution: EUR 750 500 3000 LEUVEN Belgium Activity type: Higher or Secondary Education Establishments Contact the organisation ONA PRODUCT SL Spain ALFARA DEL PATRIARCA, CALLE SAN BARTOLOME 28 EU contribution: EUR 102 427.50 46115 VALENCIA Spain Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation CIRCULAR DEVICES OY Finland **MAARINTIE 6** EU contribution: EUR 290 675 02150 ESPOO Finland Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation ECODOM-CONSORZIO ITALIANO PER IL RECUPERO E RICICLAGGIO ELETTROD Italv **VIA LEPETIT 40** EU contribution: EUR 668 625 20020 LAINATE Italy Activity type: Other Contact the organisation

Spain

FUNDACION TECNALIA RESEARCH & INNOVATION



KUNSTSTOFFWEB GMBH Germany SAALBURGSTRASSE 157 **EU contribution:** EUR 97 212,50 61350 BAD HOMBURG Germany Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation PEZY GROUP BV Netherlands **SLEEPBOOT 11** EU contribution: EUR 242 130 3991 CN HOUTEN Netherlands Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation **UL INTERNATIONAL FRANCE SA** France ROUTE DE L'ORME DES MERISIERS IMMEUBLE EXPLORER ES TECHNOLOGIQUE SAINT EU contribution: EUR 293 212,50 AUBIN 91190 SAINT AUBIN France Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation BUREAU EUROPEEN DE L'ENVIRONNEMENT AISBL Belgium **BOULEVARD DE WATERLOO 34** EU contribution: EUR 135 000 **1000 BRUXELLES** Belgium Activity type: Other Contact the organisation TECHNISCHE UNIVERSITAET BERLIN Germany STRASSE DES 17 JUNI 135 EU contribution: EUR 672 062,50 10623 BERLIN Germany Activity type: Higher or Secondary Education Establishments Contact the organisation PHILIPS CONSUMER LIFESTYLE B.V. Netherlands **HIGH TECH CAMPUS 37** EU contribution: EUR 251 631,63 5656 AE EINDHOVEN Netherlands Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

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WHIRLPOOL EMEA SPA VIA CARLO PISACANE 1 20016 PERO Italy

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

PROLABIN & TEFARM SRL VIA DELL'ACCIAIO NUM 9 06134 PERUGIA Italy Italy EU contribution: EUR 227 683,75

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

THE IMAGINATION FACTORY LIMITED 38 LAWRENCE ROAD W5 4XH LONDON United Kingdom United Kingdom EU contribution: EUR 218 750

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2017-09-11 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/210516_en.html © European Union, 2018







MEMAN

Project ID: 636926

Funded under: H2020-EU.2.1.5.1. - Technologies for Factories of the

Future

Integral Material and Energy flow MANagement in MANufacturing metal mechanic sector

From 2015-01-01 to 2018-06-30, closed project | MEMAN Website

Project details

Total cost:	Topic(s):		
EUR 5 998 686,25	FoF-03-2014 - Global energy and other resources efficiency in manufacturing		
EU contribution:	enterprises		
EUR 5 998 686	Call for proposal:		
Coordinated in:	H2020-FoF-2014 See other projects for this call		
Spain	Funding scheme:		
	RIA - Research and Innovation action		

Objective

Present approaches to increasing resource efficiency in manufacturing companies are mainly focused on single process optimisation. A wider and integrated optimisation is assumed to have significantly higher savings potential. In fact, a pilot study has been performed by Greenovate! Europe, showing resource saving potentials of 70%.

Such a strategy should include optimisation across the interfaces between different steps in complex production chains and different companies involved in the overall value chain.

In that sense, MEMAN consortium brings together 15 partners from 6 countries represented by industrial enterprises, SMEs mainly, and service companies experts in eco-innovative models, working on improving the competitiveness of the metal mechanic sector, through the full validation of new business models that allow the collaboration of companies in the whole value chain in order to reduce global impacts in terms of energy and other resources.

MEMAN project will implement an approach to optimise resource efficiency across 3 manufacturing value chains cases, integrating an analytical toolbox based on MEFA and LCA and providing practical decision-making support. Furthermore, new business models will be developed to support the implementation of global energy and resources efficiency along the 3 value chains. Energy characterisations considering the whole value chain, will be also developed within MEMAN.

The consortium has the capacity and ambition of exploiting and reaching the market with the results of the project, at an international level, in terms of technology and business models. Hence, the technologies developed and the synergies created in the project would have the impact estimated bellow:

- Energy consumption and CO2 emission reduction for the final product between 20-30% from cradle to gate and between 30-35% from cradle to grave.

- Product's LCC reduction between 10-20% from cradle to grave.

The budget and the final requested EC contribution reaches 5.998.686€.

Related information



nd Innovatior

Seizing circular economy opportunities in manufacturing

Seizing the opportunity of circular economy in manufacturing

Coordinator

MONDRAGON CORPORACION COOPERATIVA SCOOP PASEO JOSE M ARIZMENDIARRIETA 5 20500 MONDRAGON GUIPUZCOA Spain

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Participants

CENTRE TECHNIQUE DES INDUSTRIES MECANIQUES AVENUE FELIX LOUAT 52 60304 SENLIS CEDEX France

Activity type: Research Organisations Contact the organisation

EIFFO EG HERZOG CARL STRASSE 2 73760 OSTFILDERN Germany

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

DOWEL MANAGEMENT 25 ALLEE PIERRE ZILLER NAXOS 06560 VALBONNE France

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

TECHNISCHE UNIVERSITAET BRAUNSCHWEIG UNIVERSITAETSPLATZ 2 38106 BRAUNSCHWEIG Germany

Activity type: Higher or Secondary Education Establishments Contact the organisation Germany EU contribution: EUR 786 361,25

France

France EU contribution: EUR 552 728,75

EU contribution: EUR 402 771,25

Germany



Spain EU contribution: EUR 733 341

EU contribution: EUR 443 525

Loramendi S.Coop Spain Alibarra 26, Ali-Gobeo **EU contribution:** EUR 513 688,75 01010 Vitoria-Gasteiz Spain Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation FAGOR EDERLAN S.COOP. Spain **TORREBASO PASEALEKUA 7** EU contribution: EUR 412 056,25 20540 ESKORIATZA GUIPUZCOA Spain Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation INGENIERIA Y SERVICIOS TECNICOS SA Spain **AVENIDA CERVANTES 6 EU contribution:** EUR 0 48970 BASAURI Spain Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation MECANIC VALLEE France **31 ROUTE DES TUILERIES** EU contribution: EUR 335 077.50 **12110 VIVIEZ** France Activity type: Other Contact the organisation STAHL JUDENBURG GMBH Austria Gussstahlwerkstraße 21 EU contribution: EUR 291 545 A-8750 Judenburg Austria Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation THOMA METALLVEREDELUNG GMBH Germany Achstrasse 14 EU contribution: EUR 188 125 8775 Heimertingen Germany Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation



VAN DER MEER & VAN TILBURG WEST BV HARDWAREWEG 30 3821 BM AMERSFOORT Netherlands

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

ACCIONA CONSTRUCCION SA AVENIDA DE EUROPA 18 PARQUE EMPRESARIAL 28108 ALCOBENDAS Spain

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Greenovate! Europe	Belgium
RUE D ARLON 63-65	EU contribution: EUR 490
1040 Brussels	177,50
Belgium	
Activity type: Other	
Contact the organisation	

KONIKER S COOP Participation ended

SAN ANDRES AUZOA, 20 20500 ARRASATE GIPUZKOA Spain

Activity type: Research Organisations Contact the organisation

INDUSTRIAL FURNACES INSERTEC S.L. Avenida Cervantes 6 48970 BASAURI Spain

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2017-09-11 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/193441_en.html © European Union, 2018

Page 166 of 184 Research and Innovation Netherlands

Spain EU contribution: EUR 240 173,75

Spain EU contribution: EUR 0

Spain EU contribution: EUR 442 428,75

nts)





ROBUST

Project ID: 727988

Funded under: H2020-EU.3.2.1.3. - Empowerment of rural areas, support to policies and rural innovation

Rural-Urban Outlooks: Unlocking Synergies

From 2017-06-01 to 2021-05-31, ongoing project

Project details

Total cost:	Topic(s):		
EUR 5 999 937,50	RUR-01-2016 - Consolidated policy framework and governance models for		
EU contribution:	synergies in rural-urban linkages		
EUR 5 999 934	Call for proposal:		
Coordinated in:	H2020-RUR-2016-2 See other projects for this call		
Netherlands	Funding scheme:		
	RIA - Research and Innovation action		

Objective

Mutually beneficial relations along rural - peri-urban - urban trajectories can contribute substantially to Europe's smart, sustainable and inclusive growth agenda. Success in creating synergies is largely determined by decisions made at local and regional levels. Well-designed governance arrangements can be conducive to decisions that strengthen beneficial relations between rural and urban areas. Central to ROBUST is a place-based case study approach in which the case studies focus on thematic functional linkages cutting across rural-urban areas. The content and governance of these functional linkages are analyzed in diverse case study areas that represent the main types of rural - peri-urban - urban settings across Europe. ROBUST will identify and strengthen policies, governance systems and practices that can contribute more effectively to smart, sustainable and inclusive growth. Particular attention will be paid to the capacities of municipal and regional governments, the related administrations and other stakeholders to deliver and enhance mutually beneficial relations. ROBUST aims to provide practice-oriented information about successful governance models applicable to different settings as well as related communication and training material. In ROBUST, the questions and research needs of practice partners will guide the research process. Researchers will support the related multi-actor consultations through data collection and analysis, by providing suitable platforms and through facilitation. The insights co-generated by research and practice partners and stakeholders will be translated into tools, including scenario development, as well as training materials and capacity building measures. ROBUST will in this way contribute to a better understanding of rural-urban interactions, and it will at the same time enhance the capacity of relevant actors and institutions to foster mutually beneficial relations along rural - peri-urban - urban trajectories.

Coordinator

WAGENINGEN UNIVERSITY DROEVENDAALSESTEEG 4 6708 PB WAGENINGEN Netherlands

Activity type: Higher or Secondary Education Establishments Contact the organisation Netherlands EU contribution: EUR 901 062



Participants

ABERYSTWYTH UNIVERSITY King Street, Old College SY232AX ABERYSTWYTH United Kingdom

Activity type: Higher or Secondary Education Establishments Contact the organisation

NODIBINAJUMS BALTIC STUDIES CENTRE KOKNESES PROSPEKTS 26-2 1014 RIGA Latvia

Activity type: Research Organisations Contact the organisation

TUKUMA NOVADA DOME TALSU IELA 4 3101 TUKUMA Latvia

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

UNIVERSITY OF GLOUCESTERSHIRE LBG THE PARK GL50 2RH CHELTENHAM United Kingdom

Activity type: Higher or Secondary Education Establishments Contact the organisation

BUNDESANSTALT FUER BERGBAUERNFRAGEN
Marxergasse 2
1030 WIEN
Austria

Activity type: Research Organisations Contact the organisation

PLANUNG & FORSCHUNG POLICY RESEARCH & CONSULTANCY BERGS UND ISSA PARTNERSCHAFTSGESELLSCHAFT WIRTSCHAFTS-UND SOZIALWISSENSCHAFTLER IM HOPFENGARTEN 19 B 65812 BAD SODEN Germany

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

United Kingdom EU contribution: EUR 344 625

Latvia EU contribution: EUR 279 125

Latvia EU contribution: EUR 107 500

United Kingdom EU contribution: EUR 430 385

Austria EU contribution: EUR 289 125

Germany

EU contribution: EUR 505 500

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Activity type: Other Contact the organisation

UNIVERSITAT DE VALENCIA AVENIDA BLASCO IBANEZ 13 46010 VALENCIA Spain

Activity type: Higher or Secondary Education Establishments Contact the organisation

OIKOS SVETOVANJE ZA RAZVOJ DOO GLAVNI TRG 19 1241 KAMNIK Slovenia

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

LUONNONVARAKESKUS LATOKARTANONKAARI 9 00790 HELSINKI Finland

Activity type: Research Organisations Contact the organisation

HELSINGIN KAUPUNKI POHJOIS ESPLANADI 15-17 00099 HELSINGIN Finland

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

REGIONALNA RAZVOJNA AGENCIJA - LJUBLJANSKE URBANE REGIJE ZAVODSloveniaTEHNOLOSKI PARK 19EU contribution: EUR 82 3121000 LJUBLJANASlovenia

Activity type: Research Organisations Contact the organisation Spain EU contribution: EUR 200 360

EU contribution: EUR 188 325

Slovenia

Finland EU contribution: EUR 438 717

Finland EU contribution: EUR 248 375



ICLEI EUROPEAN SECRETARIAT GMBH (ICLEI EUROPASEKRETARIAT GMBH)*	Germany
Leopoldring 3	EU contribution: EUR 364 687
79098 Freiburg	
Germany	
Activity types Other	
Activity type: Other	
Contact the organisation	
	Netherlands
BERGSTRAAT 4	EU contribution: EUR 167 213
6711 DD EDE	
Netherlands	
Activity type: Public bodies (excluding Research Organisations and Secondary or Highe	er Education Establishments)
Contact the organisation	
COMMISSAO DE COORDENACAO E DESENVOLVIMENTO REGIONAL DE LISBOA E VALE DO	TEJO Portugal
RUA DE ARTILHARIA UM 33	FU contribution: FUB 101 475
1296-145 LISBON	
Portugal	
Activity type: Public bodies (excluding Research Organisations and Secondary or Highe	er Education Establishments)
Contact the organisation	
INSTITUTO SUPERIOR TECNICO	Portugal
AVENIDA ROVISCO PAIS 1	EU contribution: EUR 235 245
1049-001 LISBOA	
Portugal	
Activity type: Higher or Secondary Education Establishments	
Contact the organisation	
	line h.c.
	Italy
LUNGARNO PACINOTTI 43/44	EU contribution: EUR 162 212
italy	
Activity type: Higher or Secondary Education Establishments	
Contact the organisation	
GLOUCESTERSHIRE COUNTY COUNCIL	United Kingdom
SHIRE HALL WESTGATE STREET	EU contribution: EUR 153 690
GL1 2TG GLOUCESTER	
United Kingdom	
-	
Activity type: Public bodies (excluding Research Organisations and Secondary or Highe	er Education Establishments)
Contact the organisation	



REGIONALVERBAND FRANKFURTRHEINMAIN POSTSTRASSE 16 60329 FRANKFURT AM MAIN Germany

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

PROVINCIA DI LUCCA CORTILE CARRARA 1 55100 LUCCA Italy

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

WELSH LOCAL GOVERNMENT ASSOCIATION LOCAL GOUVERNEMENT HOUSE DRAKE WALK CF10 4LG CARDIFF United Kingdom

Activity type: Research Organisations Contact the organisation

REGIONALMANAGEMENT STEIRISCHER ZENTRALRAUM GMBH JUNGFERNGASSE 1/3 8010 GRAZ Austria

Activity type: Other Contact the organisation

Last updated on 2017-09-11 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/210506_en.html © European Union, 2018

Italy EU contribution: EUR 138 985

United Kingdom EU contribution: EUR 151 850

Austria **EU contribution:** EUR 126 875







Water2REturn

Project ID: 730398

Funded under:

H2020-EU.3.5.2.2. - Developing integrated approaches to address water-related challenges and the transition to sustainable management and use of water resources and services H2020-EU.3.5.2.3. - Provide knowledge and tools for effective decision making and public engagement H2020-EU.3.5.4. - Enabling the transition towards a green economy and society through eco-innovation

REcovery and REcycling of nutrients TURNing wasteWATER into added-value products for a circular economy in agriculture

From 2017-07-01 to 2020-12-31, ongoing project

Proj	ject	deta	ails
------	------	------	------

Total cost:	Topic(s):
EUR 7 129 322,50	CIRC-02-2016-2017 - Water in the context of the circular economy
EU contribution:	Call for proposal:
EUR 5 871 895,76	H2020-CIRC-2016TwoStage See other projects for this call
Coordinated in:	Funding scheme:
Spain	IA - Innovation action

Objective

Water2REturn proposes a full-scale demonstration process for integrated nutrients recovery from wastewater from the slaughterhouse industry using biochemical and physical technologies and a positive balance in energy footprint. The project will not only produce a nitrates and phosphate concentrate available for use as organic fertiliser in agriculture, but its novelty rests on the use of an innovative fermentative process designed for sludge valorisation which results in a hydrolysed sludge (with a multiplied Biomethane Potential) and biostimultants products, with low development costs and high added value in plant nutrition and agriculture.

This process is complemented by proven technologies such as biological aeration systems, membrane technologies, anaerobic processes for bio-methane production and algal technologies, all combined in a zero-waste-emission and an integrated monitoring control tool that will improve the quality of data on nutrient flows. The project will close the loop by demonstrating the benefits associated with nutrients recycling through the implementation of different business models for each final product. This will be done with a systemic and replicable approach that considers economic, governance and social acceptance aspects through the whole chain of water and targets essentially two market demands: 1) Demand for more efficient and sustainable production methods in the meat industry; and 2) Demand for new recycled products as a nutrient source for agriculture.

As a summary, Water2REturn project adopts a Circular Economy approach where nutrients present in wastewaters from the meat industry can be recycled and injected back into the agricultural system as new raw materials. The project foster synergies between the food and sustainable agriculture industries and propose innovative business models for the resulting products that will open new market opportunities for the European industries and SMEs in two key economic sectors.



BIOAZUL CALLE SEVERO OCHOA 7 29590 CAMPANILLAS Spain Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Participants

UNIVERSIDAD DE SEVILLA Spain CALLE S. FERNANDO 4 EU contribution: EUR 678 230 41004 SEVILLA Spain Activity type: Higher or Secondary Education Establishments Contact the organisation UNIVERSIDAD DE CADIZ Spain CALLE ANCHA 16 EU contribution: EUR 637 361,25 11001 CADIZ Spain Activity type: Higher or Secondary Education Establishments Contact the organisation FUNDACION CENTRO DE LAS NUEVAS TECNOLOGIAS DEL AGUA Spain CALLE AMERICO VESPUCIO 5-A pl 2 EU contribution: EUR 615 125 41092 Sevilla Spain Activity type: Research Organisations Contact the organisation AGROINDUSTRIAL KIMITEC SL Spain CARRETERA DE ALICUN 369 EDIFICIO MA EU contribution: EUR 587 727 04721 ROQUETAS DE MAR Spain Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)

Contact the organisation

Spain EU contribution: EUR 460 381,25



ADVENTECH - ADVANCED ENVIRONMENTAL TECHNOLOGIES LDA RUA DE FUNDOES - CENTRO EMPRESARIAL E TECNOLOGICO 151 3700 121 SAO JOAO DA MADEIRA Portugal

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

ALGEN, CENTER ZA ALGNE TEHNOLOGIJE, DOO BRNCICEVA ULICA 29 1231 LJUBLJANA Slovenia

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

UNIVERZA V LJUBLJANI Slovenia KONGRESNI TRG 12 EU contribution: EUR 350 1000 LJUBLJANA 141,25 Slovenia Activity type: Higher or Secondary Education Establishments Contact the organisation SLOROM SRL Participation ended Romania COMUNA DRAGHICENI EU contribution: EUR 0 237160 OLT

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

ENCO SRL VIA MICHELANGELO SCHIPA 115 80122 NAPOLI Italy

Romania

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

2B Srl Via della Chiesa Campocroce 4 31021 Mogliano Veneto Italy

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation



Portugal EU contribution: EUR 356 562,50

Slovenia

EU contribution: EUR 343 984,38

Italy

EU contribution: EUR 214 156,25

Italy EU contribution: EUR 182 000 UNION EUROPEENNE DU COMMERCE DU BETAIL ET DE LA VIANDE RUE DE LA LOI 81A 1040 Brussels Belgium

Activity type: Other Contact the organisation

ISITEC GMBH BUSSESTRASSE 27 27570 BREMERHAVEN Germany

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

EXERGY LTD PUMA WAY THE TECHNOCENTRE COVENTRY CV1 2TT COVENTRY United Kingdom

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

EUROPEAN LANDOWNERS ORGANIZATION RUE DE TREVES 67 1040 BRUXELLES Belgium

Activity type: Other Contact the organisation

SLOROM D&C DRAGHICENI SRL STRADA PRINCIPALA 150 SAT DRAGHICENI COMUNA DRAGHI 237160 DRAGHICENI Romania

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2017-09-07 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/210179_en.html © European Union, 2018

Germany EU contribution: EUR 276 500

> United Kingdom EU contribution: EUR 418 403,13

Belgium EU contribution: EUR 363 750

> Romania EU contribution: EUR 94 281,25



Belgium EU contribution: EUR 293 292,50





SUPREME

Project ID: 768612

Funded under:

H2020-EU.2.1.5.3. - Sustainable, resource-efficient and low-carbon technologies in energy-intensive process industries

Sustainable and flexible powder metallurgy processes optimization by a holistic reduction of raw material resources and energy consumption.

From 2017-09-01 to 2020-08-31, ongoing project

Project details

Total cost:	Topic(s):
EUR 9 810 118,75	SPIRE-07-2017 - Integrated approach to process optimisation for raw material
EU contribution:	resources efficiency, excluding recovery technologies of waste streams
EUR 7 959 642,89	Call for proposal:
Coordinated in:	H2020-SPIRE-2017 See other projects for this call
France	Funding scheme:
	IA - Innovation action

Objective

SUPREME aims at optimizing powder metallurgy processes throughout the supply chain. It will focus on a combination of fastgrowing industrial production routes and advanced ferrous and non-ferrous metals. By offering more integrated, flexible and sustainable processes for powders manufacturing and metallic parts fabrication, SUPREME enables the reduction of the raw material resources (minerals, metal powder, gas and water) losses while improving energy efficiency, production rate and CO2 emissions, into sustainable processes and towards a circular economy. To achieve this goal, an ambitious cross-sectorial integration and optimization has been designed between several powder metallurgy processes: gas and water atomization as well as ball milling for metal powder production, additive manufacturing and near-net shape technologies for end-parts fabrication. Quality and process control will be developed to monitor KPI, based on eco-innovation approach, to demonstrate the optimization of material and energy use. 4 demonstrators will be proposed at each step of the value chain in real industrial setting and ready for business exploitation at TRL 7: mineral concentration, metal powder manufacturing, metal part manufacturing and end-product that will validate a global optimization of more than 25% on material yield losses, more than 10% on energy efficiency, more than 10% on production rate and beyond 30% of CO2 emissions. SUPREME has gathered an outstanding consortium of 17 partners from 8 countries, represented by 11 companies including 6 SMEs that will ensure a successful implementation towards market applications. 5 applications sectors are targeted: automotive, aeronautics, cutting tools, molding tools and medical. The process key differentiation advantages will bring modularity, flexibility and sustainability to powder metallurgy and will reduce the total cost breakdown of these technologies, boosting their adoption by industry.


COMMISSARIAT A L ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES RUE LEBLANC 25 75015 PARIS 15 France

France EU contribution: EUR 948 318,75

EU contribution: EUR 490

Activity type: Research Organisations Contact the organisation

Participants

OUTOTEC (FINLAND) OY RAUHALANPUISTO 9 02230 ESPOO Finland

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

MBN NANOMATERIALIA SPA VIA BORTOLAN 42 31030 CARBONERA Italy

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

ATOMISING SYSTEMS LIMITED 371 COLEFORD ROAD S95NF SHEFFIELD United Kingdom

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

GKN SINTER METALS ENGINEERING GMBH KREBSOGE 10 42477 RADEVORMWALD Germany

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

EU contribution: EUR 440

Finland

703.50

Italy

650.25

United Kingdom EU contribution: EUR 564 575,38

Germany EU contribution: EUR 480 675,13

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FUNDACION PRODINTEC Avenida Jardin Botanico - Parque Cientifico y Tecnologico Zona Intra 1345 33203 Gijon Spain	Spain EU contribution: EUR 330 750
Activity type: Research Organisations Contact the organisation	
CENTRE TECHNIQUE INDUSTRIEL DE LA PLASTURGIE ET DES COMPOSITES RUE PIERRE ET MARIE CURIE 2 01100 BELLIGNAT France	France EU contribution: EUR 545 512,50
Activity type: Research Organisations Contact the organisation	
TWI LIMITED GRANTA PARK GREAT ABINGTON CB21 6AL CAMBRIDGE United Kingdom	United Kingdom EU contribution: EUR 623 575
Activity type: Research Organisations Contact the organisation	
RHP TECHNOLOGY GMBH FORSCHUNGSZENTRUM SEIBERSDORF GEBAUDE CA 2444 SEIBERSDORF AN DER LEITHA Austria	Austria EU contribution: EUR 247 187,50
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establish Contact the organisation	ments)
FUNDACION TECNALIA RESEARCH & INNOVATION PARQUE CIENTIFICO Y TECNOLOGICO DE GIPUZKOA PASEO MIKELETEGI 2 20009 DONOSTIA SAN SEBASTIAN Spain	Spain EU contribution: EUR 522 728,75
Activity type: Research Organisations Contact the organisation	
RENISHAW PLC NEW MILLS GL12 8JR WOTTON UNDER EDGE United Kingdom	United Kingdom EU contribution: EUR 442 930,25
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establish Contact the organisation	ments)



IRIS TECHNOLOGY SOLUTIONS, SOCIEDAD LIMITADA Spain CALLE VELAZQUEZ, NO 4 EU contribution: EUR 663 600 28006 MADRID Spain Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation MBA INCORPORADO SL Spain AVDA JARDIN BOTANICO 1345 EDIFICIO SILOS DEL INTRA EU contribution: EUR 233 273,25 33203 GIJON Spain Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation METALADDITIS 3D Participation ended France RUE DU PRE DIDIER **EU contribution:** EUR 0 38120 FONTANIL CORNILLON France Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation DELLAS SPA Italy **VIA PERNISA 12** EU contribution: EUR 275 012,50 37020 LUGO DI GREZZANA Italy Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation CENTRO RICERCHE FIAT SCPA Italy **STRADA TORINO 50** EU contribution: EUR 383 375 10043 ORBASSANO Italy Activity type: Research Organisations Contact the organisation EUROPEAN POWDER METALLURGY ASSOCIATION AISBL Belgium AVENUE LOUISE BTE 33 326 EU contribution: EUR 245 800 **1050 BRUXELLES** Belgium Activity type: Other Contact the organisation



PRISMADD DEFENSE ZI DU BUISSON 42230 ROCHE-LA-MOLIERE France France EU contribution: EUR 520 975,13

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2017-09-04 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/211767_en.html © European Union, 2018







ChemPET

Project ID: 773863

Funded under:

H2020-EU.2.3.1. - Mainstreaming SME support, especially through a dedicated instrument H2020-EU.3.5. - SOCIETAL CHALLENGES - Climate action, Environment, Resource Efficiency and Raw Materials

Industrial scale PET chemical recycling plant based on innovative glycolysis process

From 2017-06-01 to 2017-08-31 | ChemPET Website

Project details

Total cost:	Topic(s):	
EUR 71 429	SMEInst-11-2016-2017 - Boosting the potential of small businesses in the areas	
EU contribution:	of climate action, environment, resource efficiency and raw materials	
EUR 50 000	Call for proposal:	
Coordinated in:	H2020-SMEINST-1-2016-2017 See other projects for this call	
Italy	Funding scheme:	
	SME-1 - SME instrument phase 1	

Objective

Polyethylene terephthalate (PET) is a Thermoplastic Polymer increasingly used in several applications due to its excellent physical and chemical properties.

With the increase in the amount of PET wastes, its disposal began to pose serious economic and environmental problems; current PET waste disposal options include incineration, landfilling and recycling. Landfilling and incineration are outdated processes, their environmental impact is high and the dependency from crude oil is critical. Recycling is the preferred option for the treatment of waste PET: plastics must be a resource and their recycling is the only way to make sustainable the plastic production chain in Europe without loss of material.

The recycling of PET does not only serve as a partial solution to the solid waste problem but also contributes to the conservation of raw petrochemical products and energy.

The proposed project aims at implementing an industrial plant to produce high quality PET through the chemical recycling of PET wastes (icluding opaque & multi-layer) and promotes true sustainable development of PET production enabling virtually endless PET re-use.

Garbo's chemical recycling technology represents a novel and industrial applicable technology for the transformation of PET based wastes in monomer (BHET) that can be purified and re-used in the production of PET as raw material instead of terephthalic acid (TPA) and ethylene glycol (EG), with enormous advantage for the polyester value chain in terms of competitiveness and jobs creation.

The Garbo's technology serves 3 purposes:

helping Europe to obtain "Zero Plastics to landfill by 2025" recommended by the most important associations in the plastic market promoting the Circular Economy Package as required by the European Plastics value chain and representing a new way for the European PET producers to reduce the dependence and the influence of the raw materials (TPA and EG) derived from crude oil and, consequently, their correlated costs.

Related information

Report Summaries

Periodic Reporting for period 1 - ChemPET (Industrial scale PET chemical recycling plant based on innovative glycolysis process)



GARBO SRL VIA PRATI NUOVI 9 28065 CERANO NO Italy

Italy EU contribution: EUR 50 000

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2017-09-04 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/210388_en.html © European Union, 2018







Madaster

Project ID: 779024
Funded under:
H2020-EU.2.1.1. - INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies - Information and Communication Technologies (ICT)
H2020-EU.2.3.1. - Mainstreaming SME support, especially through a dedicated instrument

Towards a circular economy: Eliminate waste through an open platform that facilitates material passports

From 2017-05-01 to 2019-04-30, ongoing project

Project details

Total cost:	Topic(s):	
EUR 3 539 089,16	SMEInst-01-2016-2017 - Open Disruptive Innovation Scheme	
EU contribution:	Call for proposal:	
EUR 2 477 362,41	H2020-SMEINST-2-2016-2017 See other projects for this call	
Coordinated in:	Funding scheme:	
Netherlands	SME-2 - SME instrument phase 2	

Objective

Our planet is a closed system with finite resources. The current economic system is strongly based on consuming and discarding these materials and products. Combined with the growing population and strong economic growth this leads to a rapid depletion of the earth's valuable resources while creating huge amounts of waste. To overcome this, it is essential to change our current linear economy and move towards a sustainable circular economy in which resources are reused and recycled while eliminating the production of waste.

Many circular initiatives have failed to create sustainable material cycles due to a lack of usable information on material contents. This information is of utmost importance to allow re-use and recycling of materials and thus, to maintain the material's value. Consequently, this will result in the thoughtful deconstruction of products, maintaining their valuable materials and subsequent re-use or recycling, minimizing waste.

To facilitate this highly needed information exchange and to facilitate the vital transition towards a circular economy, Madaster Services BV and Winvision BV have developed the disruptive Madaster ICT Platform which, for the first time, is able to precisely document and store material-related information of products. This innovative solution specifically focusses on the construction sector with the strong ambition to eliminate waste.

The following project objectives are defined:

- 1. Produce Material Passports of construction objects in an operational setting;
- 2. Develop protocols for data extraction and integration of resource-related information of construction;
- 3. Create an open-standard IT infrastructure to enhance interoperability with other systems that will make use of the resourcerelated information of construction objects in the database;
- 4. Develop a clearly defined business strategy for the Madaster Platform, the Material Passport and data services



MADASTER SERVICES BV NEWTONLAAN 115 3584 UTRECHT Netherlands

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Participants

WINVISION BV MARCONIBAAN 12 3439 NIEUWEGEIN Netherlands Netherlands EU contribution: EUR 1 471 916,25

EU contribution: EUR 1 005

Netherlands

446,16

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2017-09-04 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/211978_en.html © European Union, 2018

lishments)



Selection of H2020 funded projects on Circular Economy (3)

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WHEY2VALUE

Project ID: 697958

Funded under:

H2020-EU.2.3.1. - Mainstreaming SME support, especially through a dedicated instrument H2020-EU.3.5. - SOCIETAL CHALLENGES - Climate action, Environment, Resource Efficiency and Raw Materials

Whey2Value: Valorising waste whey into high-value products

From 2015-11-01 to 2017-10-31, closed project | WHEY2VALUE Website

Project details

Total cost:	Topic(s):	
EUR 2 545 625	SC5-20-2015 - Boosting the potential of small businesses for eco-innovation	
EU contribution:	and a sustainable supply of raw materials	
EUR 1 781 937,50	Call for proposal:	
Coordinated in:	H2020-SMEINST-2-2015 See other projects for this call	
Slovenia	Funding scheme:	
	SME-2 - SME instrument phase 2	

Objective

ACIES BIO, a SME with a decade of profound experience and market understanding, has developed an innovative and disruptive technology already recognized within SME INST Phase 1 to address a major unsolved high-cost environmental challenge for the world's dairy industry: acid waste whey. Around 200 million tons of waste whey is produced annually, of which nearly 50% goes unprocessed and ends up clogging the wastewater treatment stations or, in less regulated environments, is released into streams thus heavily polluting the environment.

The W2V project aims to bring to market a unique patent-pending eco-innovation bioprocess to utilize acid waste whey as a primary ingredient for microbial fermentation to produce sustainable high value product. Its key objective is to launch production of organic vitamin B12 on the market through eco-innovative technology, which uses waste whey as input substrate and produces as a result high value product vitamin B12 and purified water. It is solving the unmet challenge of sustainable milk processing with Make-Use-Reuse principle: from milk industries (cheese production) through waste whey management to vitamin B12 production used for the animal feed additives industry and cleaned water reused in the dairy industry again.

The implementation of W2V technology will greatly reduce the environmental footprint, lower the production costs and increase competitiveness of dairy companies. Particularly, W2V technology will be highly relevant for European dairy industry, where most companies consist of small-medium sized dairy factories, which cannot afford costly processing facilities for disposal of acid whey. W2V will generate an entirely new type of product for the EU and global markets: an organic vitamin B12-enriched microbial biomass, which can be used as very high quality animal feed, creating a perfect example of sustainable and economical circular zero-waste economy and bringing production of vitamin B12 back to Europe.

Related information

Report Summaries

Periodic Reporting for period 3 - WHEY2VALUE (Whey2Value: Valorising waste whey into high-value products)



ACIES BIO BIOTEHNOLOSKE RAZISKAVE IN RAZVOJ DOO TEHNOLOSKI PARK 21 1000 LJUBLJANA Slovenia Slovenia EU contribution: EUR 1 781 937,50

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2017-06-29 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/198917_en.html

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STAR-ProBio

Project ID: 727740

Funded under: H2020-EU.3.2.4.3. - Supporting market development for bio-based products and processes

Sustainability Transition Assessment and Research of Bio-based Products

From 2017-05-01 to 2020-04-30, ongoing project

Project details

Total cost:	Topic(s):	
EUR 5 306 371,50	BB-01-2016 - Sustainability schemes for the bio-based economy	
EU contribution:	Call for proposal:	
EUR 4 983 871,50	H2020-BB-2016-2 See other projects for this call	
Coordinated in:	Funding scheme:	
Italy	RIA - Research and Innovation action	

Objective

STAR-ProBio constitutes a multidisciplinary and multi-actor collaborative project that will meet environmental, social and economic challenges, paving the way for a much-needed sustainability transition towards a bio-based economy. The overall objective of the project is to promote a more efficient and harmonized policy regulation framework, needed to promote the market-pull of bio-based products. This will be achieved by developing a fit-for-purpose sustainability scheme, including standards, labels and certifications for bio-based products. To this aim, an integral part of STAR-ProBio will be the adoption of life-cycle methodologies to assess the roll-out of bio-based products. Environmental assessment will be performed, through LCA, in a circular economy framework (with a focus on end-of-life analysis) looking at issues which emerge upstream and downstream the value chain. This will be complemented by a techno-economic assessment and by a social impact assessment conducted through stakeholder analysis, SLCA, surveys and field experiments. Indirect land use change issues (ILUC) will also be addressed from an environmental, economic and social perspective. Moreover, the analysis of selected case studies on (1) construction materials, (2) bio-based polymers, and (3) fine chemicals, will ensure that the approach is not too broad and theoretic, allowing the benchmarking against non bio-based products.

Hence, STAR-ProBio will integrate scientific and engineering approaches with social sciences and humanities-based approaches in order to formulate guidelines for a common framework promoting the development of regulations and standards to support the adoption of business innovation models in the bio-based products sector.

Coordinator

UNITELMA SAPIENZA UNIVERSITA

VIALE REGINA ELENA 295

00161 ROMA

Italy

EU contribution: EUR 749 830

Italv

Activity type: Higher or Secondary Education Establishments Contact the organisation

Participants



UNIVERSITY OF YORK United Kingdom HESLINGTON **EU contribution:** EUR 491 278,75 YO10 5DD YORK NORTH YORKSHIRE United Kingdom Activity type: Higher or Secondary Education Establishments Contact the organisation TECHNISCHE UNIVERSITAET BERLIN Germany STRASSE DES 17 JUNI 135 EU contribution: EUR 564 250 10623 BERLIN Germany Activity type: Higher or Secondary Education Establishments Contact the organisation AGRICULTURAL UNIVERSITY OF ATHENS Greece lera Odos 75 EU contribution: EUR 535 440 **11855 ATHENS** Greece Activity type: Higher or Secondary Education Establishments Contact the organisation DBFZ DEUTSCHES BIOMASSEFORSCHUNGSZENTRUM GEMEINNUETZIGE GMBH Germany **TORGAUER STRASSE 116** EU contribution: EUR 447 514 04347 LEIPZIG Germany Activity type: Research Organisations Contact the organisation SQ CONSULT B.V. Netherlands PRINS BERNHARDSTRAAT 27 EU contribution: EUR 429 510 3981BL BUNNIK Netherlands Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation ALMA MATER STUDIORUM - UNIVERSITA DI BOLOGNA Italy VIA ZAMBONI 33 EU contribution: EUR 309 988,75 40126 BOLOGNA Italv

Activity type: Higher or Secondary Education Establishments Contact the organisation



UNIWERSYTET WARMINSKO MAZURSKI W OLSZTYNIE UL. OCZAPOWSKIEGO 2 10 719 OLSZTYN Poland

Activity type: Higher or Secondary Education Establishments Contact the organisation

LUCZYNSKI MICHAL KRZYSZTOF UL. KSIEZYCOWA 10 10 713 OLSZTYN Poland

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

QUANTISSwitzerlandPARC SCIENTIFIQUE EPFL PSE DEU contribution: EUR 01024 ECUBLENS VD1024 ECUBLENS VD

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

NOVAMONT SPA VIA GIACOMO FAUSER 8 28100 NOVARA Italy

Switzerland

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

NATURVARDSVERKETSwedenValhallavagen 195EU contribution: EUR 115 000106 48 STOCKHOLMSweden

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

UNIVERSIDAD DE SANTIAGO DE COMPOSTELA COLEXIO DE SAN XEROME PRAZA DO OBRADOIRO S/N 15782 SANTIAGO DE COMPOSTELA Spain

Activity type: Higher or Secondary Education Establishments Contact the organisation Poland EU contribution: EUR 106 250

Italy EU contribution: EUR 210 625

Spain EU contribution: EUR 334 485



EUROPEAN ENVIRONMENTAL CITIZENS ORGANISATION FOR STANDARDISATION Rue d'Edimbourg 26 1050 BRUXELLES Belgium

Activity type: Other Contact the organisation

AGROVET GMBH KOENIGSBRUNNER STRASSE 8 2202 ENZERSFELD Austria Austria **EU contribution:** EUR 60 000

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2017-06-27 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/210168_en.html © European Union, 2018







FUTURING

Project ID: 723633

Funded under:

H2020-EU.2.1.1. - INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies - Information and Communication Technologies (ICT) H2020-EU.2.1.5. - INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies - Advanced

Futuring European Industry

From 2016-09-01 to 2018-02-28, closed project

manufacturing and processing

Project details

Total cost:	Topic(s):	
EUR 1 470 126,25	NMBP-36-2016 - Policy support for Industry 2020 in the circular economy	
EU contribution:	Call for proposal:	
EUR 1 470 126,25	H2020-NMBP-CSA-2016 See other projects for this call	
Coordinated in:	Funding scheme:	
Greece	CSA - Coordination and support action	

Objective

FUTURING aims at contributing to define the strategy for the re-industrialization of Europe, by focusing on the role of Research and Innovation within the framework of other dimensions – Economy, Society, Environment, Globalization, geopolitics– and incoming paradigms such as Circular Economy.

It explores 2030 future scenarios, concerning EU Industry, through the use of foresight and other Policy Intelligence tools, to identify critical factors on which action should be taken in order to overcome barriers and to foster opportunities for the EU reindustrialization process.

A large variety of experts and stakeholders, both directly as partners and externals, representing the main dimensions of the landscape in which the EU re-industrialization is going to take place, are participating.

Given the number of participants, their location in different countries of Europe, it is expected that the output of the project will be widely disseminated among relevant stakeholders throughout Europe. In particular, Recommendations will provide Policy Makers, at European, National and Regional level, guidelines for future Research and Innovation activities.

Coordinator

PANEPISTIMIO PATRON

UNIVERSITY CAMPUS RIO PATRAS

265 04 RIO PATRAS

Greece

Greece EU contribution: EUR 339 375

Activity type: Higher or Secondary Education Establishments Contact the organisation

Participants



COTEC - FONDAZIONE PER L'INNOVAZIONE TECNOLOGICA Italy VIA DELLA LUNGARA 10 EU contribution: EUR 147 725 00165 ROMA Italy Activity type: Research Organisations Contact the organisation EUROPEAN FACTORIES OF THE FUTURE RESEARCH ASSOCIATION AISBL Belgium **Boulevard Auguste Reyers 80** EU contribution: EUR 75 000 1030 Brussels Belgium Activity type: Other Contact the organisation A.SPIRE Belgium AV. EDMOND VAN NIEUWENHUYSE, 4 EU contribution: EUR 68 750 1160 AUDERGHEM Belgium Activity type: Other Contact the organisation COMMISSARIAT A L ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES France **RUE LEBLANC 25** EU contribution: EUR 180 945 75015 PARIS 15 France Activity type: Research Organisations Contact the organisation FESTO AG & CO KG Germany **RUITER STRASSE 82** EU contribution: EUR 104 750 73734 ESSLINGEN Germany Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation FUNDACION TECNALIA RESEARCH & INNOVATION Spain PARQUE CIENTIFICO Y TECNOLOGICO DE GIPUZKOA PASEO MIKELETEGI 2 EU contribution: EUR 156 250 20009 DONOSTIA SAN SEBASTIAN Spain Activity type: Research Organisations Contact the organisation



INESC TEC - INSTITUTO DE ENGENHARIA DE SISTEMAS E COMPUTADORES, TECNOLOGIA E CIENCIA	Portugal
RUA DR ROBERTO FRIAS CAMPUS DA FEUP 4200 465 PORTO	EU contribution: EUR 89 062,50
Portugal	
Activity type: Research Organisations Contact the organisation	
NEDERLANDSE ORGANISATIE VOOR TOEGEPAST NATUURWETENSCHAPPELIJK ONDERZOEK TN	O Netherlands
ANNA VAN BUERENPLEIN 1	EU contribution: EUR 134 956.25
2595 DA DEN HAAG	550,25
Nethendrids	
Activity type: Research Organisations	
Contact the organisation	
FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.	Germany
HANSASTRASSE 27C	EU contribution: EUR 81
80686 MUNCHEN	437,50
Germany	
Activity type: Research Organisations	
Contact the organisation	
THE UNIVERSITY OF BIRMINGHAM	United Kingdom
Edgbaston	EU contribution: EUR 47 500
B15 2TT BIRMINGHAM	
United Kingdom	
Activity type: Higher or Secondary Education Establishments	
Contact the organisation	
	Deleved
50370 WBOCI AW	EU contribution: EUR 44 375
Poland	
Activity type: Higher or Secondary Education Establishments	
Last upuated on 2017-00-25	
Permalink: https://cordis.europa.eu/project/rcn/205554_en.html	
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FORCE

Project ID: 689157

Funded under:

H2020-EU.3.5.4. - Enabling the transition towards a green economy and society through ecoinnovation

Cities Cooperating for Circular Economy

From 2016-09-01 to 2020-08-31, ongoing project

Project details

Total cost:	Topic(s):	
EUR 11 308 117,50	WASTE-6a-2015 - Eco-innovative solutions	
EU contribution:	Call for proposal:	
EUR 9 724 969,13	H2020-WASTE-2015-two-stage See other projects for this call	
Coordinated in:	Funding scheme:	
Denmark	IA - Innovation action	

Objective

The overall objective is to minimise the leakage of materials from the linear economy and work towards a circular economy. Specific objectives are to:

• Engage cities, enterprises, citizens and academia in 16 participatory value chain based partnerships to create and develop eco-innovative solutions together.

• Develop 10 viable end-markets by demonstrating new applications for plastic waste, metals (EEE devices), biowaste and wood waste.

- Develop a governance model for cities based on value chain based partnerships.
- Develop decision support tools and assess the actual impact by use of Big Data.

• Ensure replication through the FORCE Academy aiming at enterprises, citizens and policy makers.

The eco-innovative solutions will be demonstrated across four cities (Copenhagen, Hamburg, Lisbon and Genoa) and using the four materials:

Flexible plastics: Recycling and upgrade of 5,000 tonnes of flexible plastic from enterprises and private households will enable virgin material substitution, corresponding to preventing emissions of 12,500 tonnes of CO2.

Metals: Citizens will be mobilised to reclaim an additional 2 kg/capita of WEEE (app. 3,600 tonnes). A communication campaign will reach 100,000 citizens and support at least five SME's that repair damaged EEE devices so that 10-20% of the collected WEEE can be redistributed.

Wood waste: additional 12,000 tonnes wood waste from urban and mountain areas will be collected. 8-10,000 tonnes of brushwood will be used for compost production, and 14-16,000 tonnes will be processed into wood particles.

Biowaste: around 7,000 tonnes of biowaste from the municipal mixed waste stream will be recovered: 3,000 tonnes coming from restaurants and hotels, and 4,000 tonnes coming from households.

The partnerships will result in the creation of viable eco-innovative market solutions, exploited by the partners. Replication in other cities will be incentivised thus ensuring competitiveness of European Circular Economy and green growth.



KOBENHAVNS KOMMUNE OTTILIAVEJ 1 2500 VALBY Denmark

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

Participants

FREIE UND HANSESTADT HAMBURG RATHAUSMARKT 1 20095 HAMBURG Germany See on map

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

CAMARA MUNICIPAL DE LISBOA PACOS DO CONCELHO PRACA DO MUNICIPIO 1100-365 LISBOA Portugal

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

COMUNE DI GENOVA VIA GARIBALDI 9 16124 GENOVA Italy

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

AAGE VESTERGAARD LARSEN A/S KLOSTERMARKEN 3 9550 MARIAGER Denmark

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation



EU contribution: EUR 217 500

Germany

Portugal
EU contribution: EUR 1 648 125

Italy EU contribution: EUR 830 312,50

Denmark EU contribution: EUR 131 250



TEKNOLOGISK INSTITUT GREGERSENSVEJ 1 2630 TAASTRUP Denmark

Activity type: Research Organisations Contact the organisation

LETBAEK PLAST AS
Denmark

HORNEVEJ 18
EU contribution: EUR 117

6862 TISTRUP
828,38

Denmark
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)
Contact the organisation

DANSK ROTATIONS PLASTIC APS
Denmark

KALVEHAVE HAVNEVEJ 3 4771 KALVEHAVE Denmark

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

STADTREINIGUNG HAMBURG AOR BULLERDEICH 19 20537 HAMBURG Germany

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

HAFENCITY UNIVERSITAT HAMBURG UBERSEEALLEE 16 20457 HAMBURG Germany

Activity type: Higher or Secondary Education Establishments Contact the organisation

HOCHSCHULE FUR ANGEWANDTE WISSENSCHAFTEN HAMBURG BERLINER TOR 5 20099 HAMBURG Germany

Activity type: Higher or Secondary Education Establishments Contact the organisation

EU contribution: EUR 424 956,25

nts)

EU contribution: EUR 117

827,50

Germany **EU contribution:** EUR 1 540 532

Germany EU contribution: EUR 315 625

Germany EU contribution: EUR 298 750



CONSIST ITU ENVIRONMENTAL SOFTWARE GMBH JAKOBIKIRCHHOF 8 20095 Hamburg Germany

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

AURUBIS AG	Germany
HOVESTRASSE 50	EU contribution: EUR 83
20539 HAMBURG	562,50
Germany	
Activity type: Private for profit entities (excluding Higher or Secondary Education Establishm	vonta)
Contact the ergenication	
	Dortugal
VALORSUL - VALORIZAÇÃO E TRATAMENTO DE RESIDUOS SOLIDOS DAS REGIÕES DE LISSIDOA	Poltugal
	EU contribution: EUR /9 625
2695 709 LOURES	
Portugal	
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishm	nents)
Contact the organisation	
DARIACORDAR ASSOCIACAO PARA A RECUPERACAO DE DESPERDICIO	Portugal
RUA ADRIANO CORREIA DE OLIVEIRA 4A OEIRAS	EU contribution: EUR 197
1600 312 LISBOA	562,50
Portugal	
Activity type: Other	
Contact the organisation	
Quercus - Associação nacional de Conservação da natureza	Portugal
CENTRO ASSOCIATIVO DO CALHAU BAIRRO DO CALHAU	EU contribution: EUR 11 250
1500 045 LISBOA	
Portugal	
Activity type: Other	
Contact the organisation	
-	
ASSOCIACAO DA HOTELARIA RESTAURACAO E SIMILARES DE PORTUGAL	Portugal
AV DUQUE DE AVILA 75	Ell contribution: EUR 5 625
1049 011 LISBOA	
Portugal	
Activity type: Other	
Contact the organisation	



AMIU GENOVA SPA Italy VIA GABRIELE D' ANNUNZIO 27 EU contribution: EUR 587 475 16121 GENOVA Italy Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation ECOLEGNO GENOVA SRL Italy VIA N. LORENZI 25 EU contribution: EUR 196 350 16152 GENOVA Italy Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation TECNOLOGIE INNOVATIVE PER IL CONTROLLO AMBIENTALE E LO SVILUPPO SOSTENIBILE Italy SOCIETA CONSORTILE A RESPONSABILITA LIMITATA VIA FIASELLA 3/16 EU contribution: EUR 498 750 16121 GENOVA Italy Activity type: Research Organisations Contact the organisation ACTIVE CELLS SRL Italy VIA DEI REGGIO 2 EU contribution: EUR 199 150 16155 GENOVA Italy Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation ADDAPTCREATIVE LDA Portugal **RUA DAS FAIAS 13 ATELIER EU contribution:** EUR 159 162.50 2725 305 MEM MARTINS Portugal Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation Last updated on 2017-06-10 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/207269_en.html © European Union, 2018







T2gE

Project ID: 724052

Funded under:

H2020-EU.3.5. - SOCIETAL CHALLENGES - Climate action, Environment, Resource Efficiency and Raw Materials

Transition to the Green Economy

From 2016-06-01 to 2017-02-28, closed project | T2gE Website

Project details

Total cost:	Topic(s):
EUR 317 143,96	SC5-24-2016 - Support to confirmed Presidency event (conference) in Slovakia
EU contribution:	Call for proposal:
EUR 285 688,96	H2020-SC5-2016-OneStageA See other projects for this call
Coordinated in:	Funding scheme:
Slovakia	CSA - Coordination and support action

Objective

The main objective of the project is to contribute to a transition towards a green economy in Europe through organization of the international conference "Transition to a green economy" (T2gE). This international conference will be an event of major strategic nature during the Slovak Presidency of the European Council. Conference will bring together a broad spectrum of stakeholders. Its ambition is to improve understanding of the green economy concept, identify conclusions and pathways for transition as well as to involve and mobilise various actors and stakeholders in the discussions of possible future actions. The conference also aims to strengthen synergy among various recent initiatives and programmes launched by the European Commission (i.e 7EAP, Circular economy package, Energy Union, Juncker Commission's priorities etc) and by the Member States, to the benefit of the overall coherence.

The conference will aim to bring together policymakers from various EU countries, as well as a range of stakeholders from international organizations, academia, business, and civil society and encourage an open debate around key green economy issues. At the end of the conference, draft conclusions, for both the national and the European level, will be approved which will be useful tool for implementation of policy in the field of green economy. Parallel breakout sessions will be devoted to various relevant subjects with the involvement of representatives from civil society, policymakers, business, science and innovations, and regional and local authorities. The participants will present examples of the green economy approaches from successful countries, which will be discussed and reflected in the conclusions to ensure that green economy policy conclusions are relevant to countries' needs. Part of the conference will be oriented on practical demonstration of Slovak examples of green/circular economy – field trip.

Related information

Report Summaries

Periodic Reporting for period 1 - T2gE (Transition to the Green Economy)



SLOVENSKA AGENTURA ZIVOTNEHO PROSTREDIA TAJOVSKEHO 28 975 90 BANSKA BYSTRICA Slovakia

Activity type: Research Organisations Contact the organisation

Participants

MINISTRY OF ENVIRONMENT NAMESTIE LUDOVITA STURA 1 81235 BRATISLAVA Slovakia

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

PEDAL CONSULTING SRO BJORNSONOVA 4807/5 03601 MARTIN Slovakia

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

MOTION ZONE SRO TUPEHO 23 831 01 BRATISLAVA Slovakia Slovakia EU contribution: EUR 190 756,46

EU contribution: EUR 55 000

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2017-06-02 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/204290_en.html © European Union, 2018

Slovakia

Slovakia

Slovakia

EU contribution: EUR 39 932,50

EU contribution: EUR 0

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NBS2017

Project ID: 769003

Funded under:

H2020-EU.3.5. - SOCIETAL CHALLENGES - Climate action, Environment, Resource Efficiency and Raw Materials

Nature-based Solutions: From Innovation to Common-use

From 2017-06-01 to 2018-02-28, closed project

Project details

Total cost:	Topic(s):
EUR 274 516,58	SC5-23-2016-2017 - Support to confirmed Presidency events (conferences) -
EU contribution:	Malta, United Kingdom, Estonia
EUR 274 516,58	Call for proposal:
Coordinated in:	H2020-SC5-2017-OneStageA See other projects for this call
Estonia	Funding scheme:
	CSA - Coordination and support action

Objective

The Estonian Presidency Conference "Nature-based Solutions: From Innovation to Common-use" (NBS2017) will involve original knowledge on Nature-based Solutions (NBS) policy, multi-functionality and effectiveness and management options. Presented research and applied results will contribute to improved use and implementation of NBS. The conference aims to strengthen synergy among various recent initiatives and programs launched by the European Commission and the Member States and develop recommendations for future practical solutions and actions. This benefits the overall coherence and helps to improve policies and implementation of NBS in the European Union (EU).

The conference is planned for 500 participants and will be held 24 - 26 October 2017 in Tallinn, Estonia. The first day of the conference will be planned for side events (including special working meeting with invitations) and field trips related to the theme of the conference; the second day will concentrate on the EU level and strategic steps related to NBS concept and policy; the third day will concentrate on applied projects and case studies of NBS (EU including Estonian cases, Eastern Partnership countries).

The knowledge and experiences of the invited guests, politicians and representatives of international organizations and countries will provide an input for drafting recommendations related to necessary political and societal processes that can facilitate the process towards NBS at national and EU level. In line with the objectives of 7th Environment Action Programme, the Council conclusions on the EU action plan for the circular economy and the European Commission Research & Innovation agenda "Nature-Based Solutions and Re-Naturing Cities" on new and innovative NBS to societal challenges, the conference will contribute to the protection of our natural capital, stimulate resource-efficiency and innovation, and safeguard people's health and wellbeing, while respecting the Earth's natural limit.



KESKKONNAMINISTEERIUM NARVA MNT 7A 15172 TALLINN Estonia

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

Participants

TALLINN UNIVERSITY Narva Road 25 10120 TALLINN Estonia

Activity type: Higher or Secondary Education Establishments Contact the organisation

Last updated on 2017-05-31 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/211158_en.html © European Union, 2018

Estonia EU contribution: EUR 56 580

> Estonia EU contribution: EUR 217 936,58







RUN4LIFE

Project ID: 730285

Funded under:

H2020-EU.3.5.2.2. - Developing integrated approaches to address water-related challenges and the transition to sustainable management and use of water resources and services H2020-EU.3.5.2.3. - Provide knowledge and tools for effective decision making and public engagement H2020-EU.3.5.4. - Enabling the transition towards a green economy and society through eco-innovation

RECOVERY AND UTILIZATION OF NUTRIENTS 4 LOW IMPACT FERTILIZER

From 2017-06-01 to 2021-05-31, ongoing project

Project details

Total cost:	Topic(s):
EUR 7 720 900,61	CIRC-02-2016-2017 - Water in the context of the circular economy
EU contribution:	Call for proposal:
EUR 6 239 340,65	H2020-CIRC-2016TwoStage See other projects for this call
Coordinated in:	Funding scheme:
Spain	IA - Innovation action

Objective

Domestic wastewater (WW) is an important carrier of nutrients usually wasted away by current decentralised WW treatments (WWT). Run4Life proposes an alternative strategy for improving nutrient recovery rates and material qualities, based on a decentralised treatment of segregated black water (BW), kitchen waste and grey water combining existing WWT with innovative ultra-low water flushing vacuum toilets for concentrating BW, hyper-thermophilic anaerobic digestion as one-step process for fertilisers production and bio-electrochemical systems for nitrogen recovery. It is foreseen up to 100% nutrient (NPK) recovery (2 and >15 times current P and N recovery rates) and >90% water reuse.

Obtained products will be >90% reused thanks to prospective end-users in the consortium and a new Business model based on a cooperative financial scheme. Run4Life impacts will be evaluated on safety and security (Risk Assessment), from an environmental point of view (Life Cycle Assessment and Environmental Technical Verification), on the economy (Benefit Cost Analysis) and considering Social Risk Perception. Active measures will be developed with the support of a Stakeholders and Exploitation Panel for achieving institutional, legal and social acceptance. Different parts of Run4Life will be large scale demonstrated at 4 demo-sites in Belgium, Spain, Netherlands and Sweden, adapting the concept to different scenarios (market, society, legislation). Performance tests will be carried out with obtained products (compared to commercial fertilisers) with close collaboration with fertiliser companies. Process will be optimised by on-line monitoring key performance indicators (nutrient concentration, pathogens, micropollutants). The information obtained in the 4 demo-sites will be used for process simulation to conceive a unified Run4Life model which will be applied in a fifth demo-site in Czech Republic, allowing new business opportunities and providing data for critical raw material policies.



FCC AQUALIA SA **CALLE FEDERICO SALMON 13** 28016 MADRID Spain

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Participants

DESAH BV PIETER ZEEMANSTRAAT 6 8606JR SNEEK Netherlands

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

SVERIGES LANTBRUKSUNIVERSITET ALMAS ALLE 8 750 07 UPPSALA Sweden

Activity type: Higher or Secondary Education Establishments Contact the organisation

LEAF BV **BORNSE WEILANDEN 9** 6708 WG WAGENINGEN Netherlands

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

ACONDICIONAMIENTO TARRASENSE ASSOCIACION **CARRER DE LA INNOVACIO 2** 08225 TERRASSA Spain

Activity type: Research Organisations Contact the organisation

Spain EU contribution: EUR 853 879,04

Netherlands **EU contribution:** EUR 587 562.50

Sweden EU contribution: EUR 366 500

Netherlands

EU contribution: EUR 208 240,59

Spain **EU contribution:** EUR 532 787,50

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Contact the organisation UNIVERSIDAD DE SANTIAGO DE COMPOSTELA COLEXIO DE SAN XEROME PRAZA DO OBRADOIRO S/N 15782 SANTIAGO DE COMPOSTELA Spain Activity type: Higher or Secondary Education Establishments Contact the organisation

WATER, ENVIRONMENT AND BUSINESS FORDEVELOPMENT SL PLAZA SANT JAUME 10 PLANTA 2 PUERTA 2 08192 SANT QUIRZE DEL VALLES Spain

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

WAGENINGEN UNIVERSITY DROEVENDAALSESTEEG 4 6708 PB WAGENINGEN Netherlands

Activity type: Higher or Secondary Education Establishments Contact the organisation

CONSORCIO DE LA ZONA FRANCA DE VIGO AREA PORTUARIA DE BOUZAS SN 36208 VIGO Spain

Activity type: Other Contact the organisation

ECOMOTIVE AS MYRAVEGEN 1 6060 HAREID Norway

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Spain EU contribution: EUR 527 125

541,93

EU contribution: EUR 183

Netherlands

Spain

EU contribution: EUR 568 329,83

Spain EU contribution: EUR 207 250

Norway EU contribution: EUR 325 976,88



NORDVASTRA SKANES VATTEN OCH AVLOPP AB RONNOWSGATAN 10 252 25 HELSINGBORG Sweden

Activity type: Other

ISLE UTILITIES LIMITED 61 DOWNS WOOD **KT18 5UJ EPSOM** United Kingdom

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

CLEAN ENERGY INNOVATIVE PROJECTS **MEIBOOM 22 1500 HALLE** Belgium

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

FORFARMERS CORPORATE SERVICES BV **KWINKWEERD 12** 7241 CW LOCHEM Netherlands

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

ASB GRUNLAND HELMUT AURENZ GMBH MITTLERER 19 70499 STUTTGART WEILIMDORF Germany

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2017-05-30 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/210513 en.html © European Union, 2018

EU contribution: EUR 559 029,55

Belgium

EU contribution: EUR 278 195,32

Netherlands

Germany

EU contribution: EUR 234 930,07







INNOFIXX

Project ID: 773315

Funded under:

H2020-EU.2.1.1. - INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies - Information and Communication Technologies (ICT) H2020-EU.2.3.1. - Mainstreaming SME support, especially through a dedicated instrument H2020-EU.3.3. - SOCIETAL CHALLENGES - Secure, clean and efficient energy

Development of a high quality stainless steel dowel for easy renovation and construction in façades, thermal insulation and solar panels sub-sectors

From 2017-05-01 to 2017-08-31, closed project | INNOFIXX Website

Project details

Total cost:	Topic(s):
EUR 71 429	SMEInst-09-2016-2017 - Stimulating the innovation potential of SMEs for a low
EU contribution:	carbon and efficient energy system
EUR 50 000	Call for proposal:
Coordinated in:	H2020-SMEINST-1-2016-2017 See other projects for this call
Germany	Funding scheme:
	SME-1 - SME instrument phase 1

Objective

The building sector has been identified as one of the key sectors to achieve the 20/20/20 targets of the EU. Buildings are responsible for 40% of energy consumption and 36% of CO2 emissions. Studies show that renovations of existing buildings is one of the low-cost options to reduce emissions of CO2, and potentially improve energy security by reducing imports of fossil fuels. Additionally, the EU has set a target for all new buildings to be nearly zero-energy by 2020. Every building needs dowels to be constructed. Current dowels are an obstacle for the renovation of buildings, and addition of new technologies that support energy efficiency directives.

INNOFIXX's development, a new type of dowels for heavy duty loads and façades, has demonstrated to be fast and easy to assemble (it can reduce 20% of fixing costs in buildings), it can carry simultaneously vertical and horizontal loads, it covers a wide range of applications: fixing balconies, adding solar panels in the façades, repairing façades), it is able to add extra thermal insulation in buildings without the need to destroy current walls, it saves energy compared to existing dowels (it has demonstrated that INNOFIXX has lower heating bridges, which can save 2°C per dowel), it supports the European Energy directives in buildings (2010 Energy Performance of Buildings Directive, and the 2012 Energy Efficiency Directive), it can be recycled and re-used, and it has a long-life, they can last as long as the façade exists. INNOFIXX clearly supports the circular economy principle.

Related information

Report Summaries

Periodic Reporting for period 1 - INNOFIXX (Development of a high quality stainless steel dowel for easy renovation and construction in façades, thermal insulation and solar panels sub-sectors)



HERZSPRUNG-DREHTEILE GMBH ZITADELLENWEG 34, HALLE 603 13599 BERLIN Germany

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2017-05-18 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/210644_en.html

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RESTARTER

Project ID: 773305

Funded under:

H2020-EU.2.3.1. - Mainstreaming SME support, especially through a dedicated instrument H2020-EU.3.6. - SOCIETAL CHALLENGES - Europe In A Changing World - Inclusive, Innovative And Reflective Societies

A FRESH START TOWARD A NEW (SECOND) LIFE OF OBJECTS AND PEOPLE

From 2017-04-01 to 2017-09-30, closed project | RESTARTER Website

Project details

Total cost:	Topic(s):	
EUR 71 429	SMEInst-12-2016-2017 - New business models for inclusive, innovative and	
EU contribution:	reflective societies	
EUR 50 000	Call for proposal:	
Coordinated in:	H2020-SMEINST-1-2016-2017 See other projects for this call	
Italy	Funding scheme:	
	SME-1 - SME instrument phase 1	

Objective

Restarter aims to develop and implement at European level an innovative business model of second hand clothes commercial sales and hybrid public/private supply social service, based on a sustainable production and distribution process. Restarter represents an important innovative initiative with the ultimate goal to be a proactive contributor towards a circular economy system in which products, components and materials are kept at their highest utility and value at all times of the consumption process, extending their life and thus reducing waste and pollution. The project is implemented along the following objectives:

• Implement a novel collection and sanitization production process, through a supply chain fully traceable for both the donors and the users (i.e. the customers & people in need) via a dedicated ICT platform;

• Launch a distribution sales network of second hand clothes, marketed under the Restarter brand;

• Initiate a social public/private service able to provide second hand clothes and to involves people in need in a rehabilitation inclusive programme;

• Generate nearly 5M€ revenue and 1M€ profit within 3 years from project's completion, hiring additional 25 employees mainly selected from people in need and individuals with disabilities.

The proposed activities include risk assessment, market study, user involvement, commercial partner search, feasibility of concept, plant design.

Restarter addresses 3 concurrent users' needs: increasing worldwide demand of consumers of second hand clothes, socialhumanitarian requirements driven by the people in need and by the population from less developed countries, environmental challenge due to the world industrialization, combined with the growing buying process. The main economic benefit of the proposed project is a competitive price due to an optimized supply chain having an internal front-end process and a cleaner distribution network, resulting in a lower mark-up towards the end user.

Related information

Report Summaries

Periodic Reporting for period 1 - RESTARTER (A FRESH START TOWARD A NEW (SECOND) LIFE OF OBJECTS AND PEOPLE)



LA FRATERNITA SOCIETA COOPERATIVA SOCIALE A R L VIA VALVERDE 10 B 47923 RIMINI Italy

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2017-05-17 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/210641_en.html

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Italy EU contribution: EUR 50 000







ReTyre

Project ID: 775210

Funded under:

H2020-EU.2.3.1. - Mainstreaming SME support, especially through a dedicated instrument H2020-EU.3.5. - SOCIETAL CHALLENGES - Climate action, Environment, Resource Efficiency and Raw Materials

Separation and valorisation of carbon black from the pyrolytic char

From 2017-06-01 to 2017-08-31, closed project | ReTyre Website

Project details

Total cost:	Topic(s):	
EUR 71 429	SMEInst-11-2016-2017 - Boosting the potential of small businesses in the areas	
EU contribution:	of climate action, environment, resource efficiency and raw materials	
EUR 50 000	Call for proposal:	
Coordinated in:	H2020-SMEINST-1-2016-2017 See other projects for this call	
United Kingdom	Funding scheme:	
-	SME-1 - SME instrument phase 1	

Objective

End-of-Life Tyres (ELTs) presents one of the most problematic sources of solid waste, due to the large volume produced and their inherent durability. Incineration, gasification and pyrolysis are the three main ELT management routes, with former two being responsible for environmental pollution and negative effect on the circular economy through loss of valuable materials. Pyrolysis has potential to reclaim valuable materials and prevent harmful emissions but is still commercially unattractive. Over the last 15 years, significant R&D efforts have been made to increase the yield and quality of pyrolysis outputs to enable its commercial uptake. One of the most valuable pyrolysis products is carbon black (CB) which, when reclaimed, purified and reused, can inject significant economic leverage.

At PPP Group, we have created the 'ReTyre' process for purification and valorisation of carbon black from ELT pyrolysis. ReTyre provides a sustainable and financially attractive ELT management solution and prevents pollution from the production of carbon black for burning. The objective of this feasibility study is to develop our business model for successful commercialisation of ReTyre.

With annual generation of 3.3m tons of ELTs within the EU only and the ability of recovered CB to displace virgin CB in the tyre manufacturing, paints, inks, coatings and rubber manufacture; our projections deliver a 5-year ROI of 8:1 for PPP following market entry in 2019, based on our estimated development costs of €2.12m over the next 2.5 years.

Related information

Report Summaries

Periodic Reporting for period 1 - ReTyre (Separation and valorisation of carbon black from the pyrolytic char)



PETER AND MARY O'KANE 79 GORTGOLE ROAD BT448AN PORTGLENONE United Kingdom

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2017-05-17 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/210693_en.html

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United Kingdom **EU contribution:** EUR 50 000







REFUCOAT

Project ID: 745791

Funded under: H2020-EU.3.2.6. - Bio-based Industries Joint Technology Initiative (BBI-

JTI)

Full recyclable food package with enhanced gas barrier properties and new functionalities by the use of high performance coatings

From 2017-06-01 to 2020-05-31, ongoing project

Project detailsTotal cost:Topic(s):EUR 3 234 338,50BBI-2016-R05 - Advanced biomaterials for smart food packagingEU contribution:Call for proposal:EUR 2 300 735,30H2020-BBI-JTI-2016Coordinated in:Funding scheme:SpainBBI-RIA - Bio-based Industries Research and Innovation action

Objective

RefuCoat project aims to develop hybrid bio-based high oxygen/water barrier and active coatings to be used in a monolayer bio-based food packages (films and trays) as alternative to current metallised and modified atmosphere (MAP) packages to avoid the use of non-renewable materials in multilayer structures that currently lead to complex and expensive recycling steps.

Hybrid coating formulations will combine cost-efficiently produced polyglycolic acid (PGA) and modified silica oxide. Fully biodegradable packages for fresh food products will be obtained with middle chain modified PHAs. PGA and PHA based hybrid coatings with high gas barrier properties will be further improved with active substances for improved shelf-life. Furthermore, new packages based on bio-PET and bio-PE combined with hybrid and active

coatings will be developed. The generated products will be validated and compared to current metallised, non bio-based alternatives in industrial products, in performance, shelf-life and biodegradability. Safety and regulatory compliance, environmental and economic sustainability will be specifically addressed. RefuCoat consortium is formed by 12 synergistic partners, 7 of them BIC members, reunites all actors in the value chain, SME partners (MIPLAST and IRIS), industrial partners (GRUPO APEX, MANOR, DACSA and

BIOPOLIS), and RTO Partners (THUNEN, CIB, AIMPLAS, EUFIC, Fraunhofer and AINIA). The project maximizes exploitation within the Consortium, promoting a circular economy concept, but also considers dissemination and communication in order to maximize the value of the project outcomes. maximizesexploitation within the consortium, promoting a circular economy concept, but also considers dissemination and communication in order to maximize the value of the project outcomes. Refucoat main impacts are expected in the improved performance of food packages, reduction of landfilling waste, cost-and environmental effectiveness in processing by Life Cycle and Techno-Economic Assessment, improved preservation of food products, new markets and contribution to KPI of BBI-JI. RefuCoat aims at a significant contribution in more than 880 jobs.

Related information



AIMPLAS - ASOCIACION DE INVESTIGACION DE MATERIALES PLASTICOS Y CONEXAS CALLE GUSTAVE EIFFEL 4 PARQUE TECNOLOGICO DE PATERNA 46980 PATERNA VALENCIA Spain

Spain EU contribution: EUR 492 875,30

Activity type: Research Organisations Contact the organisation

Participants

BIOPOLIS SL	Spain
CALLE CATEDRATICO AGUSTIN ESCARDINO 9	EU contribution: EUR 0
46980 PATERNA VALENCIA	
Spain	
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establis	hments)
Contact the organisation	
AINIA	Spain
CALLE BENJAMIN FRANKLIN 5-11 VALENCIA PARC TECNOLOGIC	EU contribution: EUR 280 727
46980 PATERNA VALENCIA	
Spain	
Activity type: Research Organisations	
Contact the organisation	
FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.	Germany
HANSASTRASSE 27C	Ell contribution: EUB 344 926
80686 MUNCHEN	
Germany	
Activity type: Research Organisations	
Contact the organisation	
IOHANN HEINRICH VON THUENEN-INSTITUT. BUNDESFORSCHUNGSINSTITUT FUER LAENDLIG	CHE Germany
RAEUME. WALD UND FISCHEREI	
BUNDESALLEE 50	EU contribution: FUR 312 494
38116 BRAUNSCHWEIG	
Germany	
Activity type: Research Organisations	

Contact the organisation



MI-PLAST DOO ZA PROIZVODNJU TRGOVINU I PRUZANJE USLUGA - MI-PLAST LLC MANUFACTURING, TRADING AND SERVICES MIPLAST	Croatia
MILUTINA BARACA 54 51000 RIJEKA Croatia	EU contribution: EUR 156 825
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establish Contact the organisation	iments)
IRIS TECHNOLOGY SOLUTIONS, SOCIEDAD LIMITADA CALLE VELAZQUEZ, NO 4 28006 MADRID Spain	Spain EU contribution: EUR 300 735
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establish Contact the organisation	iments)
AGENCIA ESTATAL CONSEJO SUPERIOR DEINVESTIGACIONES CIENTIFICAS CALLE SERRANO 117 28006 MADRID Spain	Spain EU contribution: EUR 267 115
Activity type: Research Organisations Contact the organisation	
CARTON BROS BRACETOWN BUSINESS PARK, CLONEE, CO MEATH CLONEE Ireland	Ireland EU contribution: EUR 0
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establish Contact the organisation	iments)
MAICERIAS ESPANOLAS SA CARRETERA DE BARCELONA KM 5 46132 ALMASSERA Spain	Spain EU contribution: EUR 0
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establish Contact the organisation	iments)
EUROPEAN FOOD INFORMATION COUNCIL RUE JOSEPH STEVENS 7 1000 BRUXELLES Belgium	Belgium EU contribution: EUR 145 038
Contact the organisation	



APERITIVOS Y EXTRUSIONADOS SAU CTRA NACIONAL 232 KM 104 31550 RIBAFORADA Spain

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2017-05-09 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/210580_en.html © European Union, 2018







XTOnE

Project ID: 774657Funded under:H2020-EU.2.3.1. - Mainstreaming SME support, especially through a dedicated instrumentH2020-EU.3.2.1. - Sustainable agriculture and forestryH2020-EU.3.2.2. - Sustainable and competitive agri-food sector for a safe and healthy dietH2020-EU.3.2.4. - Sustainable and competitive bio-based industries and supporting the development of aEuropean bioeconomy

Use of Extremophile Bacterium XT1 in Biological Approach to Promote Plant Growth and Tackle Pathogens

From 2017-06-01 to 2017-11-30 | XTOnE Website

Project details	
Total cost:	Topic(s):
EUR 71 429	SMEInst-07-2016-2017 - Stimulating the innovation potential of SMEs for
EU contribution: EUR 50 000	sustainable and competitive agriculture, forestry, agri-food and bio-based sectors
Coordinated in:	Call for proposal:
Spain	H2020-SMEINST-1-2016-2017 See other projects for this call Funding scheme: CME 1. CME instrument phase 1
	SME-1 - SME Instrument phase 1

Objective

Securing sustainable food production whilst preserving ecosystem services has become imperative following the growing trend of population and the increasing need in environment protection. Traditional agricultural methods are called to introduce changes to meet these challenges.

One of the main threats posed to global food security is plant diseases, commonly treated with chemicals responsible for toxic effects and biodiversity disorders.

The present project proposes XTOnE, an organic alternative to chemicals based on the patented extremophile bacterium XT1, whose innovative concept lies on the unique characteristics of this microorganism. XT1 enables induced mechanisms in plants raising self-defense against external pathogens and stresses, stimulating nutrition efficiency and uptake and improving growth and quality.

The expected outcome is a product that acts contemporarily as biostimulant, biofertiliser and organic pest controller whose benefits on plants are preserved even in extreme conditions.

XTOnE addresses the need of farmers by guaranteeing a plant protection throughout the entire life-cycle and reducing losses. It can be grown into organic wastes allowing the reuse of leftovers and unlocking the agriculture potential in delivering the objectives of the Circular Economy.

Its first application will be against a worldwide fungal disease, Verticillium, attacking more than 200 species and affecting especially Europe. XTOnE raised the interest of companies with a European and International presence, due to the lacking of similar solution. Thanks to its easy-of-use and affordable price, it projected to have European and global commercial potential. In the Feasibility Study, Xtrem Biotech aims to assess the end users' requirements and the innovation's economic benefits. The best regulatory and protection roadmap will be defined together with the associated activities to be developed through a potential Phase 2 funding for ensuring the commercialization.

Related information



Result In Brief

An organic solution to heal plants and help them grow

Report Summaries

Periodic Reporting for period 1 - XTOnE (Use of Extremophile Bacterium XT1 in Biological Approach to Promote Plant Growth and Tackle Pathogens)

Coordinator

XTREM BIOTECH, SL CALLE SAN JUAN DE DIOS 5 ESC 4 PLANTA 1 PUERTA A 18001 GRANADA Spain Spain EU contribution: EUR 50 000

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2017-05-09 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/210676_en.html

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AFTERLIFE

Project ID: 745737

Funded under: H2020-EU.3.2.6. - Bio-based Industries Joint Technology Initiative (BBI-

JTI)

Advanced Filtration TEchnologies for the Recovery and Later conversion of relevant Fractions from wastEwater

From 2017-09-01 to 2021-08-31, ongoing project

Project details

Total cost:	Topic(s):
EUR 4 180 166,38	BBI-2016-R01 - Valorisation of the organic content of wastewater as feedstock,
EU contribution:	contributing to the renewable circular economy
EUR 3 890 593,13	Call for proposal:
Coordinated in:	H2020-BBI-JTI-2016 See other projects for this call
Italy	Funding scheme:
	BBI-RIA - Bio-based Industries Research and Innovation action

Objective

AFTERLIFE proposes a flexible, cost- and resource-efficient process framed in the zero-waste and circular economy approach for the recovery and valorisation of the relevant fractions from wastewater. The first step of such process is an initial step consisting of a cascade of membrane filtration units for the separation of the totally of solids in wastewater. Then, the concentrates recovered in each unit will be treated to obtain high-pure extracts and metabolites or, alternatively, to be converted into value-added biopolymers (polyhydroxyalkanoates). Moreover, the outflow of the process is an ultra-pure water stream that can be directly reused.

The outcomes of the project will be focused on:

- Demonstration of an integrated pilot using real wastewater from three water intensive food processing industries (fruit processing, cheese and sweets manufacturing)

- Demonstration of the applicability of the recovered compounds and the value added bioproducts in manufacturing environments

The design and optimisation of the AFTERLIFE process following a holistic approach will contribute to improve performance and reduce the costs associated to wastewater treatment by maximising the value recovery.

Coordinator

EGGPLANT SOCIETA A RESPONSABILITA LIMITATA

VIA DON MINZONI 27

70044 POLIGNANO A MARE (BA) Italy Italy EU contribution: EUR 334 687,50

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)

Contact the organisation



Participants OPTIMIZACION ORIENTADA A LA SOSTENIBILIDAD SL Spain AVENIDA LEONARDO DA VINCI 18 PISO 2 EU contribution: EUR 250 750 41092 SEVILLA Spain Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation AUSTEP-AUSTEAM ENVIRONMENTAL PROTECTION SPA Italy VIA MECENATE 76/45 **EU contribution:** EUR 0 20138 MILANO Italy Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation **BIO BASE EUROPE PILOT PLANT VZW** Belgium **RODENHUIZEKAAI 1** EU contribution: EUR 636 750 9042 GENT Belgium Activity type: Other Contact the organisation CELABOR SCRL Belgium AVENUE DU PARC 38 ZONING DE PETIT RECHAIN EU contribution: EUR 309 875.63 **4650 HERVE CHAINEUX** Belgium Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation L'UREDERRA, FUNDACION PARA EL DESARROLLO TECNOLOGICO Y SOCIAL Spain ÁREA INDUSTRIAL PERGUITA C/A Nº1 EU contribution: EUR 301 250 31210 LOS ARCOS Spain

Activity type: Research Organisations Contact the organisation

MI-PLAST DOO ZA PROIZVODNJU TRGOVINU I PRUZANJE USLUGA - MI-PLAST LLC Croatia
MANUFACTURING, TRADING AND SERVICES MIPLAST
MILUTINA BARACA 54 EU contribution: EUR 182 250
51000 RIJEKA
Croatia

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation



NOVA-INSTITUT FUR POLITISCHE UND OKOLOGISCHE INNOVATION GMBH Germany Chemiepark Knapsack Industriestrasse EU contribution: EUR 265 000 50354 Huerth Germany Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation Teknologian tutkimuskeskus VTT Oy Finland **VUORIMIEHENTIE 3** EU contribution: EUR 400 000 02150 Espoo Finland Activity type: Research Organisations Contact the organisation AGENCIA ESTATAL CONSEJO SUPERIOR DEINVESTIGACIONES CIENTIFICAS Spain CALLE SERRANO 117 EU contribution: EUR 216 000 28006 MADRID Spain Activity type: Research Organisations Contact the organisation ASOCIACION EMPRESARIAL DE INVESTIGACION CENTRO TECNOLOGICO NACIONAL DE LA Spain CONSERVA CALLE DE LA CONCORDIA EU contribution: EUR 199 560 30500 MURCIA Spain Activity type: Research Organisations Contact the organisation NOVA ID FCT - ASSOCIACAO PARA A INOVACAO E DESENVOLVIMENTO DA FCT Portugal CAMPUS DE CAPARICA FACULDADE DE CIENCIAS E TECNOLOGIA DA UNIVERSIDADE NOVA DE EU contribution: EUR 247 000 LISBOA 2829 516 CAPARICA Portugal Activity type: Research Organisations Contact the organisation JAKE SA Spain CARRETERA DE MADRID KM 376 EU contribution: EUR 93 825 30500 MOLINA DE SEGURA MURCIA Spain Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation



HERITAGE 1466 RUE DE CHARNEUX 32 4650 HERVE Belgium

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

CITROMIL SL CRTA DE ABANILLA KM 1.6 30140 SANTOMERA MURCIA Spain Spain EU contribution: EUR 97 200

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

INNOVEN SRL	Italy
VIA LE GRAZIE 15	EU contribution: EUR 266 445
37134 VERONA	
Italy	
Activity type: Drivete for profit entities (evoluting Higher or Cocon	dary Education Establishments)

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2017-05-05 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/210293_en.html © European Union, 2018

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MIN-GUIDE

Project ID: 689527

Funded under:

H2020-EU.3.5.3. - Ensuring the sustainable supply of non-energy and non-agricultural raw materials

Minerals Policy Guidance for Europe

From 2016-02-01 to 2019-01-31, ongoing project | MIN-GUIDE Website

Project details

Total cost:	Topic(s):	
EUR 1 999 625	SC5-13c-2015 - Innovation friendly minerals policy framework	
EU contribution:	Call for proposal:	
EUR 1 999 625	H2020-SC5-2015-one-stage See other projects for this call	
Coordinated in:	Funding scheme:	
Austria	CSA - Coordination and support action	

Objective

MIN-GUIDE is a project addressing the need for a secure and sustainable supply of minerals in Europe by developing a 'Minerals Policy Guide'. The key objectives of the project are (1) providing guidance for EU and MS minerals policy, (2) facilitating minerals policy decision making through knowledge co-production for transferability of best practice minerals policy, and (3) fostering community and network building for the co-management of an innovation catalysing minerals policy framework.

This will be achieved through a systematic profiling and policy benchmarking of relevant policy and legislation in Europe, which includes the identification of innovation friendly best practices through quantitative indicators and a qualitative analysis country-specific framework conditions, as well as through the compilation of minerals statistics and reporting systems. These insights will form the basis for developing an interactive, tailor-made online 'Minerals Policy Guide'. Another key feature of the MIN-GUIDE project will be knowledge co-production for minerals policy decision makers through Policy Laboratories exploring these best practice examples along the whole mineral production value chain (exploration and extraction, processing, recycling and mine closure). Furthermore, MIN-GUIDE will facilitate the building of a sustainable minerals policy stakeholder network through this knowledge co-production and utilization in Policy Laboratories as well as through three major Conferences. These Conferences will explore the minerals governance framework, work on recommendations for promoting innovation along the whole minerals production value chain, and put it into the wider context of the circular economy. The MIN-GUIDE project and in particular the dissemination of the 'Minerals Policy Guide' to specific target audiences will have the expected impact of guiding EU MS and EU level minerals policy-making towards a more coherent, transparent and innovation-catalysing framework.

Related information

 Report Summaries
 Periodic Reporting for period 1 - MIN-GUIDE (Minerals Policy Guidance for Europe)



WIRTSCHAFTSUNIVERSITAT WIEN WELTHANDELSPLATZ 1 1020 WIEN Austria

Activity type: Higher or Secondary Education Establishments Contact the organisation

Participants

THE UNIVERSITY OF WESTMINSTER LBG REGENT STREET 309 W1B 2UW LONDON United Kingdom

Activity type: Higher or Secondary Education Establishments Contact the organisation

MONTANUNIVERSITAT LEOBEN FRANZ JOSEF STRASSE 18 8700 LEOBEN Austria

Activity type: Higher or Secondary Education Establishments Contact the organisation

LULEA TEKNISKA UNIVERSITET UNIVERSITETSOMRADET PORSON 971 87 LULEA Sweden

Activity type: Higher or Secondary Education Establishments Contact the organisation

NATIONAL TECHNICAL UNIVERSITY OF ATHENS - NTUA HEROON POLYTECHNIOU 9 ZOGRAPHOU CAMPUS 15780 ATHINA Greece

Activity type: Higher or Secondary Education Establishments Contact the organisation Austria **EU contribution:** EUR 604 000

United Kingdom EU contribution: EUR 215 756.25

Austria **EU contribution:** EUR 182 125

Sweden
EU contribution: EUR 323 750

Greece EU contribution: EUR 148 750



INSTITUTO GEOLÓGICO Y MINERO DE ESPAÑA RÍOS ROSAS 23 28003 MADRID Spain

Activity type: Research Organisations Contact the organisation

UNIVERSIDADE DE AVEIRO CAMPUS UNIVERSITÁRIO DE SANTIAGO 3810-193 AVEIRO Portugal

Activity type: Higher or Secondary Education Establishments Contact the organisation

GOPA COM BOULEVARD DE LA WOLUWE 2 1150 BRUXELLES Belgium See on map

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

SVEUCILISTE U ZAGREBU RUDARSKO-GEOLOSKO-NAFTNI FAKULTET PIEROTTIJEVA 6 10000 ZAGREB Croatia

Activity type: Higher or Secondary Education Establishments Contact the organisation

TYÖ- JA ELINKEINOMINISTERIÖ Ratakatu 3 00023 Helsinki Finland

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

Last updated on 2017-05-05 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/199896_en.html © European Union, 2018 Portugal EU contribution: EUR 70 961,25

Belgium EU contribution: EUR 144 395

> Croatia EU contribution: EUR 59 551.25

> Finland EU contribution: EUR 58 393.75

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EFFIGAS

Project ID: 775720

Funded under:

H2020-EU.2.1.1. - INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies - Information and Communication Technologies (ICT) H2020-EU.2.3.1. - Mainstreaming SME support, especially through a dedicated instrument H2020-EU.3.3. - SOCIETAL CHALLENGES - Secure, clean and efficient energy

Innovative self-controlling biomass gasification technology to improve the biogas efficiency achieving a top quality syngas

From 2017-05-01 to 2017-08-31, closed project | EFFIGAS Website

Project details

Total cost:	Topic(s):
EUR 71 429	SMEInst-09-2016-2017 - Stimulating the innovation potential of SMEs for a low
EU contribution:	carbon and efficient energy system
EUR 50 000	Call for proposal:
Coordinated in:	H2020-SMEINST-1-2016-2017 See other projects for this call
Italy	Funding scheme:
	SME-1 - SME instrument phase 1

Objective

Legno Energia Srl is an Italian company dedicated to the production and supply of electricity and thermal energy for a target market with low power installations. Legno, in order to improve the current gasification technology, has developed an innovative wood gasification plant which enables very low tar production and thus an easy and high efficient process of syngas (23-24 %). After implementing some improvements in the roasting stage and in the oxidizing process, and adjusting the PLC control system, Legno has designed and developed, within this project, a pilot system, EFIGAS, able to produce, in a stable way, and transforming different kind of waste, including agricultural and industrial residues, a good guality highly calorific syngas with very low content of tar (<0.3 g/Nm3), achieving a higher efficiency (28-30%) with a very competitive price. The increasing trend of the bioenergy market, which is expected to get 231.98 bn€ by 2024, eases EFIGAS to enter the market, expecting an accumulated profit of 18 M€ during the first 5 years. This innovative gasification technology will access target sectors such as small heating and electricity networks, mainly rural areas where the vast biomass resource can be exploited and where they can make up for the absence of grid electricity supply. In addition, EFIGAS will save approximately 27.51 tons of CO2 to the environment during the first 5 years in the market. Therefore, this innovative system, EFIGAS, can replace conventional biomass gasification technologies and contributes to achieve the European 2020-targets related to the increase of energy consumption produced from renewable sources, the improvement in the EU's energy efficiency and the reduction in EU greenhouse gas emissions. Moreover, EFIGAS boosts Europe's transition towards a circular economy as it is framed in the Waste to Energy sector, encouraging global competitiveness and sustainable economic growth.

Related information

Report Summaries

Periodic Reporting for period 1 - EFFIGAS (Innovative self-controlling biomass gasification technology to improve the biogas efficiency achieving a top quality syngas)



LEGNO ENERGIA SRL VIA STRADA DI FORT 16 23027 TIRANO Italy

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2017-05-05 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/210431_en.html

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Italy EU contribution: EUR 50 000







ZERO BRINE

Project ID: 730390

Funded under:

H2020-EU.3.5.4. - Enabling the transition towards a green economy and society through ecoinnovation

Re-designing the value and supply chain of water and minerals: a circular economy approach for the recovery of resources from saline impaired effluent (brine) generated by process industries

From 2017-06-01 to 2021-05-31, ongoing project

Project details

Total cost:	Topic(s):
EUR 11 081 972,78	CIRC-01-2016-2017 - Systemic, eco-innovative approaches for the circular
EU contribution:	economy: large-scale demonstration projects
EUR 9 992 209,11	Call for proposal:
Coordinated in:	H2020-CIRC-2016TwoStage See other projects for this call
Netherlands	Funding scheme:
	IA - Innovation action

Objective

This project aims to facilitate the implementation of the Circular Economy package and the SPIRE Roadmap in various process industries by developing the necessary concepts, technological solutions and business models to re-design the value and supply chains of minerals (including magnesium) and water, while dealing with present organic compounds in a way that allows their subsequent recovery.

This is achieved by demonstrating new configurations to recover these resources from saline impaired effluents (brines) generated by process industry, while eliminating wastewater discharge and minimising environmental impact of industrial operations through brines (ZERO BRINE). The project will bring together and integrate several existing and innovative technologies aiming to recover end-products of high quality and sufficient purity with good market value. It will be carried out by large Process Industries, SMEs with disruptive technologies and a Brine Consortium of technology suppliers across EU, while world-class research centres ensure strong scientific capacity and inter-disciplinary coordination to account for social, economic and environmental considerations, including LCA.

A large scale demonstration will be developed in the Energy Port and Petrochemical cluster of Rotterdam Port, involving local large industries. Two demo plants will be able to treat part of the brine effluents generated by one process industry (EVIDES), while the waste heat will be sourced by neighbouring factories. The quality of the recovered end-products will be aimed to meet local market specifications. The involvement of representatives covering the whole supply chain will provide an excellent opportunity to showcase Circular Economy in Rotterdam Port, at large scale. Finally, three large-scale pilot plants will be developed in other process industries, providing the potential for immediate replication and uptake of the project results after its successful completion.



TECHNISCHE UNIVERSITEIT DELFT STEVINWEG 1 2628 CN DELFT Netherlands

Activity type: Higher or Secondary Education Establishments Contact the organisation

Participants

NATIONAL TECHNICAL UNIVERSITY OF ATHENS - NTUA HEROON POLYTECHNIOU 9 ZOGRAPHOU CAMPUS 15780 ATHINA Greece

Activity type: Higher or Secondary Education Establishments Contact the organisation

FUNDACIO CTM CENTRE TECNOLOGIC PLACA DE LA CIENCIA 2 08243 MANRESA BARCELONA Spain

Activity type: Research Organisations Contact the organisation

WITTEVEEN+BOS RAADGEVENDE INGENIEURS BV VAN TWICKELOSTRAAT 2 7411 SC DEVENTER Netherlands

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

UNIVERSITA DEGLI STUDI DI PALERMO PIAZZA MARINA 61 90133 PALERMO Italy

Activity type: Higher or Secondary Education Establishments Contact the organisation Netherlands EU contribution: EUR 2 432 963,75

Greece EU contribution: EUR 1 271 875

Spain EU contribution: EUR 689 750

> Netherlands EU contribution: EUR 63 743,75

Italy
EU contribution: EUR 493 750



44-100 GLIWICE Poland Activity type: Higher or Secondary Education Establishments Contact the organisation SOCIEDAD DE FOMENTO AGRICOLA CASTELLONENSE, S.A. Spain CL MAYOR 82-84 COMPLEJO SAN AGUSTIN **EU contribution:** EUR 111 212,50 12001 CASTELLON Spain Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation SEALEAU BV Netherlands **ROTTERDAMSEWEG 183 C** EU contribution: EUR 527 625 2629 HD DELFT Netherlands Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation EUROPEAN WATER SUPPLY AND SANITATION TECHNOLOGY PLATFORM Belgium **AVENUE EDMOND VAN NIEUWENHUYSE 6 EU contribution:** EUR 118 906.25 1160 AUDERGHEM Belgium Activity type: Other Contact the organisation **REVOLVE MEDIA** Belgium RUE D ARLON 63-67 EU contribution: EUR 401 625 **1040 BRUXELLES** Belgium Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation THE UNIVERSITY COURT OF THE UNIVERSITY OF ABERDEEN United Kingdom KING'S COLLEGE REGENT WALK EU contribution: EUR 85 705 AB24 3FX ABERDEEN United Kingdom

Poland

EU contribution: EUR 563 250

Activity type: Higher or Secondary Education Establishments Contact the organisation

POLITECHNIKA SLASKA

UI. Akademicka 2A

LENNTECH BV Netherlands **ROTTERDAMSEWEG 402 EU contribution:** EUR 328 100,50 2629HH DELFT Netherlands Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation IVL SVENSKA MILJOEINSTITUTET AB Sweden Valhallavaegen 81 EU contribution: EUR 376 715 100 31 STOCKHOLM Sweden Activity type: Research Organisations Contact the organisation **TECNICA Y PROYECTOS SA** Spain **CALLE GOMERA 9** EU contribution: EUR 351 110,14 28703 SAN SEBASTIAN DE LOS REYES MADRID Spain Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation INDUSTRIAS QUIMICAS DEL EBRO SA Spain POLIGONO MALPICA CALLE D 97 EU contribution: EUR 255 937.50 50016 ZARAGOZA Spain Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation EVIDES INDUSTRIEWATER BV Netherlands SCHAARDIJK INGANG B 150 EU contribution: EUR 323 063,97 3063 NH ROTTERDAM Netherlands Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation TURKIYE BILIMSEL VE TEKNOLOJIK ARASTIRMA KURUMU Turkey Ataturk Bulvari 221 EU contribution: EUR 599 900 06100 ANKARA Turkey Activity type: Research Organisations Contact the organisation



HUNTSMAN (EUROPE) BVBA Everslaan 45 3078 EVERBERG Belgium

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

DEUTSCHES ZENTRUM FUER LUFT - UND RAUMFAHRT EV Linder Hoehe 51147 KOELN Germany

Activity type: Research Organisations Contact the organisation

EUROPIREN BV MARCONISTRAAT 16 - 18E VERDIEPING 3029 AK ROTTERDAM Netherlands

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

ARVIA TECHNOLOGY LIMITED THE HEATH BUSINESS AND TECHNICAL PARK WA7 4EB RUNCORN CHESHIRE United Kingdom

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

STICHTING S-ISPT GROEN VAN PRINSTERERLAAN 37 3818 JN AMERSFOORT Netherlands

Activity type: Other Contact the organisation

Last updated on 2017-05-04 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/210177_en.html © European Union, 2018

Germany

Netherlands

412,50

EU contribution: EUR 509 737,19

United Kingdom EU contribution: EUR 138 451.06

EU contribution: EUR 24

Netherlands EU contribution: EUR 306 875







RoadToBio

Project ID: 745623

Funded under: H2020-EU.3.2.6. - Bio-based Industries Joint Technology Initiative (BBI-ITI)

Roadmap for the Chemical Industry in Europe towards a Bioeconomy

From 2017-05-01 to 2019-04-30, ongoing project

Project details

Total cost:	Topic(s):
EUR 996 820	BBI-2016-S01 - A roadmap for the chemical industry to a bioeconomy
EU contribution:	Call for proposal:
EUR 996 820	H2020-BBI-JTI-2016 See other projects for this call
Coordinated in:	Funding scheme:
Germany	BBI-CSA - Bio-based Industries Coordination and Support action

Objective

RoadToBio will deliver a roadmap that will specify the benefits for the chemical industry along the path towards a bioeconomy to meet the societal needs in 2030. The roadmap will contain the following two main components:

(1) An analysis of the most promising opportunities (sweet spots) for the chemical industry to increase its bio-based portfolio, as well as the technological and commercial barriers and the hurdles in regulations and acceptance by society, governing bodies and the industry itself.

(2) A strategy, action plan and engagement guide to overcome the existing and anticipated barriers and hurdles as mentioned above. Furthermore it will bring together different parts of chemical industry, society, and governing bodies, to start a dialogue and to create a platform where this action plan can unfold its full potential, in order to help meet the very ambitious targets of the BIC for 2030.

The approach is based on three pillars, which are:

- (a) Aalysis of status quo and potentials;
- (b) Forward looking activities;
- (c) Continuous feedback loops and interactions with stakeholders.

The results will be wrapped up and phrased as a roadmap and an engagement guide describing the benefits and a way forward for the European Chemical Industry towards a more bio-based future. In order to derive a holistic roadmap that can lead the way, the analytical part of the project will consider feedstocks, technologies and markets as well as regulatory issues, societal needs, consumer questions and communication.

The consortium partners bring in complementary expertise in relevant fields of the bioeconomy and chemical industry, covering in depth all aspects that need to be included in the roadmap. All partners have been or are still actively involved in successfully completed and ongoing FP7, H2020, and BBI projects on different aspects of the bioeconomy, as well as in several groups and committees working on political or standardization aspects of bio-based products.

Related information



DECHEMA GESELLSCHAFT FUER CHEMISCHE TECHNIK UND BIOTECHNOLOGIE E.V. THEODOR HEUSS ALLEE 25 60486 FRANKFURT Germany

Activity type: Research Organisations Contact the organisation

Participants

B.T.G. BIOMASS TECHNOLOGY GROUP BV Josink Esweg 34 7545 PN ENSCHEDE Netherlands

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

E4TECH (UK) LTD VICTORIA STREET 83 SW1H 0HW LONDON United Kingdom

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

 NOVA-INSTITUT FUR POLITISCHE UND OKOLOGISCHE INNOVATION GMBH
 Germany

 Chemiepark Knapsack Industriestrasse
 EU contribution: EUR 233 750

 50354 Huerth
 Germany

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2017-05-04 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/210288_en.html © European Union, 2018

Page 54 of 133 Research and Innovation Germany EU contribution: EUR 284 375

Netherlands EU contribution: EUR 281 250

United Kingdom EU contribution: EUR 197 445





SYSTEMIC

Project ID: 730400

Funded under:

H2020-EU.3.5.4. - Enabling the transition towards a green economy and society through ecoinnovation

Systemic large scale eco-innovation to advance circular economy and mineral recovery from organic waste in Europe

From 2017-06-01 to 2021-05-31, ongoing project

Project details

Total cost:	Topic(s):
EUR 9 723 586,25	CIRC-01-2016-2017 - Systemic, eco-innovative approaches for the circular
EU contribution:	economy: large-scale demonstration projects
EUR 7 859 828,75	Call for proposal:
Coordinated in:	H2020-CIRC-2016TwoStage See other projects for this call
Netherlands	Funding scheme:
	IA - Innovation action

Objective

SYSTEMIC will reach a break-through to re-enter recovered nutrients from organic waste into the production cycle. Consequently, this will offer solutions for pressing environmental issues and to reduce the import of P as finite irreplaceable resource in mines.

The SYSTEMIC project aims to shift the European Biomass treatment practice to the next level. Departing from existing business cases and a new ground-breaking large scale demonstration plant, the future of anaerobic digestion (AD) value chains will be investigated and demonstrated. The result will help existing and future AD-operators to maximise their performance: produce and sell more quality products, generate more energy and be independent on subsidies. By the market driven leadership, the SYSTEMIC-project will finally turn biomass waste into valuable products while reducing water pollution, greenhouse gas emission and creating quality jobs in rural areas.

The planned demonstration plant will allow innovative combinations of modules to elaborate possible optimizations for increasing the production quantity and quality of new mineral products, and the integration of these products into a circular economy. Reflecting the experiences from the demonstration plant with a set of 4 mirror cases in different members states allow systemic innovation including end-user driven (a) specific technical development and (b) the cost efficient investigation of real world circular economy business cases and (c) operational, regulatory, institutional and contextual barriers to overcome.

Using partial funding from the EC, the SYSTEMIC industry-driven consortium will validate for the first time the technical and economic viability of a fully integrated, multistep approach in an operational environment. The successful practical demonstration will put the European sector in a leading position to offer efficient mineral recovery technologies.



STICHTING WAGENINGEN RESEARCH DROEVENDAALSESTEEG 4 6708 PB WAGENINGEN Netherlands

Activity type: Research Organisations Contact the organisation

Participants

AMPOWER BRUGSESTEENWEG 176 8740 PITTEM Belgium

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

GROOT ZEVERT VERGISTING BV DEVENTER KUNSTWEG 2 A 7156 NW BELTRUM Netherlands

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

ACQUA & SOLE SRL VIA VITTOR PISANI 16 20124 MILANO Italy

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

RIKA BIOFUEL DEVELOPMENTS LTD ALDENHAM HALL, MORVILLE WV16 4RN BRIDGENORTH United Kingdom

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Netherlands **EU contribution:** EUR 1 451 525

Belgium EU contribution: EUR 1 083 950

> Netherlands EU contribution: EUR 1 121 977,50

Italy EU contribution: EUR 518 350

United Kingdom

EU contribution: EUR 407 898,75



GNS GESELLSCHAFT FUR NACHHALTIGE STOFFNUTZUNG MBH Germany WEINBERGWEG 23 EU contribution: EUR 210 350 06120 HALLE Germany Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation A-TUOTTAJAT OY Finland ITIKANMAENKATU 3 EU contribution: EUR 84 000 60100 SEINAJOK Finland Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation ICL FERTILIZERS EUROPE CV Netherlands **FOSFAATWEG 48** EU contribution: EUR 117 250 1013 BM AMSTERDAM Netherlands Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation NIJHUIS WATER TECHNOLOGY BV Netherlands **INNOVATIEWEG 4** EU contribution: EUR 316 750 7007 CD DOETINCHEM Netherlands Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation PROMAN MANAGEMENT GMBH Austria WEINGARTENSTRASSE 92 **EU contribution:** EUR 488 241,25 2214 AUERSTHAL Austria Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation UNIVERSITEIT GENT Belgium SINT PIETERSNIEUWSTRAAT 25 EU contribution: EUR 840 982,50 9000 GENT Belgium Activity type: Higher or Secondary Education Establishments Contact the organisation



UNIVERSITA DEGLI STUDI DI MILANO Via Festa Del Perdono 7 20122 MILANO Italy

Activity type: Higher or Secondary Education Establishments Contact the organisation

VLAAMS COORDINATIECENTRUM MESTVERWERKING ABDIJBEKESTRAAT 9 8200 SINT ANDRIES BRUGGE Belgium

Activity type: Other Contact the organisation

EUROPEAN BIOGAS ASSOCIATION Rue d'Arlon 63-65 1040 Brussels Belgium

Activity type: Other Contact the organisation

THE RURAL INVESTMENT SUPPORT FOR EUROPE FOUNDATION RUE DE TREVES 67 1040 BRUXELLES Belgium

Activity type: Other Contact the organisation

Last updated on 2017-05-04 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/210180_en.html © European Union, 2018 Belgium EU contribution: EUR 370 335

Belgium EU contribution: EUR 138 750

Belgium

EU contribution: EUR 324 818,75







cTerF

Project ID: 752384

Funded under: H2020-EU.1.3.2. - Nurturing excellence by means of cross-border and cross-sector mobility

Realizing a development platform for sustainable sun powered production of intermediates for chemical industry.

From 2018-01-02 to 2020-01-01, ongoing project

Project details

Total cost:	Topic(s):
EUR 177 598,80	MSCA-IF-2016 - Individual Fellowships
EU contribution:	Call for proposal:
EUR 177 598,80	H2020-MSCA-IF-2016 See other projects for this call
Coordinated in:	Funding scheme:
Netherlands	MSCA-IF-EF-SE - Society and Enterprise panel

Objective

The objective is to develop a base cyanobacterial cell factory for terpene precursors that can be the development platform for commercial terpene production with cyanobacteria.

Trends such as growth in world population, higher energy and food demand, depletion of raw materials and global warming make it necessary to implement breakthrough bio-based production technologies. A breakthrough is the use of genetically engineered cyanobacteria that turn CO2 directly and efficiently into predetermined products when exposed to light. This CO2-consuming process is based on circular economy principles and independent of first generation (food crop) feedstocks.

A promising group of products for cyano-based production are terpenes and terpenoids. These compounds are of interest to chemical industry due to their potential of producing platform chemicals that are now obtained from fossil fuels. Terpenes have an advantage over other biobased commodities because they are drop-in chemicals that can be processed in much the same manner as crude oil.

Despite potential uses in the medicine, food and fragrance sectors, the natural abundance of terpenes is too low for industrial production. Many approaches have been sought to engineer microbial strains capable of producing terpenoids in high yields. Up to now these do not result in increased production rates to the high levels needed. The project addresses this problem by producing a cyanobacterial strain capable of synthesizing high-levels of cell metabolite building blocks as an avenue towards the terpene production.

The SME host, together with industrial partners, develops and markets cyano-based production technology. The fellow's work will strengthen this and will give him the experience to establish a career in industrial R&D and entrepreneurship. A research and training program with ample industrial and academic interaction, supported by dissemination and communication actions, has been set up to realise this impact.



PHOTANOL BV ROETERSSTRAAT 35 1018 WB AMSTERDAM Netherlands Netherlands EU contribution: EUR 177 598,80

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2017-04-21 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/209990_en.html © European Union, 2018







SAbDA

Project ID: 743553

Funded under: H2020-EU.1.3.2. - Nurturing excellence by means of cross-border and cross-sector mobility

Sustainability Assessment based on Decision Aiding

From 2018-09-26 to 2021-09-25, Grant Agreement signed

Project details

Total cost:	Topic(s):
EUR 227 361,60	MSCA-IF-2016 - Individual Fellowships
EU contribution:	Call for proposal:
EUR 227 361,60	H2020-MSCA-IF-2016 See other projects for this call
Coordinated in:	Funding scheme:
Poland	MSCA-IF-GF - Global Fellowships

Objective

There is a pressing need for clear and understandable information regarding the sustainability of products, companies and policies. To achieve this, one of the main priorities for the European Commission is strengthening the integration of Sustainable Development (SD) principles into the policy-making processes. For this to occur there is an impelling need for: (i) enhancing the economic profitability of businesses employing the principles of a circular economy; (ii) providing consumers with a comprehensive understanding of the impacts of products from a sustainability perspective, including environmental (e.g. energy consumption), economic (e.g. raw materials costs) and social considerations (e.g. workers' safety); and (iii) accounting for limited availability of primary resources. These objectives can be achieved if robust evaluations for the sustainability of products, companies and policies are conducted and communicated. The premier tool to support the achievement of these objectives is Sustainability Assessment (SA). Due to the importance of such societal challenges, an increasing number of criteria have been proposed to conduct a SA. A main challenge is the ability to communicate effectively the sustainability of the target alternatives in an easily understandable format, being as a score of performance, a preference class, or a ranking. Multiple Criteria Decision Aiding (MCDA) is an excellent approach to achieving these goals. Frameworks applying MCDA to SA have been proposed, but they are tailored to a set of MCDA methods and only support a limited typology of data and preference elicitation techniques. This SAbDA project will tackle these shortcomings by introducing a step-wise framework to support the development of SAs and selection of the most relevant MCDA method(s). This will include assessing the MCDA methods currently available and developing new ones, including those for evaluations at the micro (product) and meso (organization, region) levels.

Coordinator

POLITECHNIKA POZNANSKA PL MARII SKLODOWSKIEJ CURIE 5 60 965 POZNAN Poland

Activity type: Higher or Secondary Education Establishments

Contact the organisation

EU contribution: EUR 227 361,60

Poland



Partner organisations

U.S. ENVIRONMENTAL PROTECTION AGENCY -

EPA

Ariel Rios Building, 1200 Pennsylvania Avenue, N.W. 20460 WASHINGTON United States

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

Last updated on 2017-04-21 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/210064_en.html

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HELICOID

Project ID: 741855

Funded under: H2020-EU.1.3.2. - Nurturing excellence by means of cross-border and cross-sector mobility

Bio-inspired helicoidal multilayers for photonic innovation

From 2017-11-15 to 2019-11-14, ongoing project

Project details

Total cost:	Topic(s):
EUR 187 419,60	MSCA-IF-2016 - Individual Fellowships
EU contribution:	Call for proposal:
EUR 187 419,60	H2020-MSCA-IF-2016 See other projects for this call
Coordinated in:	Funding scheme:
Switzerland	MSCA-IF-EF-ST - Standard EF

Objective

Natural photonic structures are present in a wide variety of flora and fauna, and are useful for camouflage mechanisms, mating and pollination signalling among other biological purposes. These natural photonic architectures constitute an invaluable source of blueprints for scientists to innovate in bio-inspired technological devices that can make a real impact in the technology based economy, for example in sensors, solar cells and lighting applications. Among the natural structures that have an artificial counterpart with huge impact in the economy are optical thin films, where for example single layers are used for anti-reflection coatings and multilayers for high quality mirrors and filters. Interestingly, some animals, such as the scarab beetles, exhibit unique circular polarization dependent reflection properties due to an inner helicoidal structure embedded within the multilayers of its cuticle. Fabricating such multilayers with added optical functionalities can find applications for example in anti-counterfeiting elements or in optical applications as chirality dependent micro-mirrors. During this MSCA I aim to gain the necessary training and knowledge to become an independent researcher in the fields of structural colour in nature and bio-inspired photonic devices. To achieve this goal, I will build up from the expertise of the host supervisor (Prof. Ullrich Steiner) and his group at the Adolphe Merkle Institute in Fribourg, Switzerland on the field of structural colour in nature, and specifically, on their experience with the chiral structures of such beetles. I will investigate novel multilayered devices exhibiting unique optical properties by performing optical simulations and combining state-of-theart nano-patterning techniques together with a self-assembly method for multilayer fabrication that will yield unprecedented optical responses leading to innovative photonic devices.

Coordinator

UNIVERSITE DE FRIBOURG AVENUE DE L EUROPE 20 1700 FRIBOURG Switzerland

Activity type: Higher or Secondary Education Establishments Contact the organisation Switzerland EU contribution: EUR 187 419.60



Last updated on 2017-04-11

Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/209955_en.html

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NitroPortugal

Project ID: 692331

Funded under: H2020-EU.4.b. - Twinning of research

institutions

Strengthening Portuguese research and innovation capacities in the field of excess reactive nitrogen

From 2016-01-01 to 2018-12-31, ongoing project | NitroPortugal Website

Project details

Total cost:	Topic(s):
EUR 999 937,50	H2020-TWINN-2015 - Twinning
EU contribution:	Call for proposal:
EUR 999 937,50	H2020-TWINN-2015 See other projects for this call
Coordinated in:	Funding scheme:
Portugal	CSA - Coordination and support action

Objective

Nitrogen (N) is a key nutrient, indispensible for the survival of all living organisms on earth, including Man. However, due to human pressure, the N cycle has become the most altered among the element cycles, highlighting the N problem as one of the most pressing environmental issues faced today. Despite the recent work on nitrogen in Europe and the rest of the world, Portugal has not so far utilized its full capacity to integrate the available scientific, technical or practical knowledge. NitroPortugal addresses how to improve the S&T skills and the scientific output of Portugal, at the same time strengthening the potential for N policy application. The project develops around the consensus that N is an emerging issue, that it impacts all the environmental compartments, and has both human health and social implications. This twinning effort on N is divided into five key areas which coincide with the whole N concept WAGES (Water, Air, Greenhouse gases, Ecosystems and biodiversity and Soil) launched by the European Nitrogen Assessment. Based on bringing together existing data on data analysis and on training in new methods for each of the five key topics, a comprehensive analysis will be delivered that prioritizes the key gaps in knowledge. These gaps will then serve as themes for different types of training activities. Emerging questions will feed brainstorming workshops to be held at key points through the project, which will strengthen the Portuguese skills base and enhance peer-review publication. Based on the new skills of the host country team, the basis for preparing a Portuguese Nitrogen Assessment will be obtained that will strengthen Portuguese engagement within the EU and in UNECE Air and Water Conventions. The resulting increase in scientific productivity, associated with strengthened networking between the Portuguese and international partners will be measurable through objective indicators of publication output, policy support and the public engagement

Related information

Report Summaries

Periodic Reporting for period 1 - NitroPortugal (Strengthening Portuguese research and innovation capacities in the field of excess reactive nitrogen)



Instituto Superior de Agronomia TAPADA DA AJUDA 1349 017 LISBOA Portugal

Activity type: Higher or Secondary Education Establishments Contact the organisation

Participants

FUNDACAO DA FACULDADE DE CIENCIAS DA UNIVERSIDADE DE LISBOA FI CAMPO GRANDE EDIFICIO C1 PISO 3 EU contribution: EUR 63 378.23 1749 016 LISBOA Portugal Activity type: Research Organisations

Contact the organisation

UNITED KINGDOM RESEARCH AND INNOVATION POLARIS HOUSE NORTH STAR AVENUE SN2 1FL SWINDON United Kingdom

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

NATURAL ENVIRONMENT RESEARCH COUNCIL

Polaris House, North Star Avenue SN2 1EU SWINDON WILTSHIRE United Kingdom

Activity type: Research Organisations Contact the organisation

AARHUS UNIVERSITET NORDRE RINGGADE 1 8000 AARHUS C Denmark

Activity type: Higher or Secondary Education Establishments Contact the organisation

Denmark EU contribution: EUR 218 750

Portugal **EU contribution:** EUR 361 187,50

United Kingdom EU contribution: EUR 220 000

EU contribution: EUR 0

United Kingdom

Page 66 of 133 esearch nd Innovation

Portugal

FCIENCIAS.ID - ASSOCIACAO PARA A INVESTIGACAO E DESENVOLVIMENTO DE CIENCIAS CAMPO GRANDE, EDIFICIO C1, PISO 3 1749 016 LISBON Portugal

Activity type: Research Organisations Contact the organisation

Last updated on 2017-03-31 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/200303_en.html © European Union, 2018







AceForm4.0

Project ID: 723045

Funded under:

H2020-EU.2.1.2. - INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies – Nanotechnologies H2020-EU.2.1.3. - INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies - Advanced materials

Activating Value Chains for EU leadership in FORMulation Manufacturing 4.0

From 2016-10-01 to 2018-09-30, ongoing project

Project details

Total cost:	Topic(s):
EUR 626 125	NMBP-30-2016 - Facilitating knowledge management, networking and
EU contribution:	coordination in the field of formulated products
EUR 626 125	Call for proposal:
Coordinated in:	H2020-NMBP-CSA-2016 See other projects for this call
United Kingdom	Funding scheme:
	CSA - Coordination and support action

Objective

AceForm4.0 will strengthen European leadership in the development and commercialisation of innovative and sustainable formulated products by i) engaging stakeholders and establishing a strategic common vision, European 2025 roadmap for formulated products and an associated implementation plan; and ii) facilitating knowledge exchange activities aiming at the formation of new collaborative value chains and partnerships in the context of the challenges, barriers and opportunities offered by Industry 4.0 and the drive towards a Circular Economy. Whilst a number of the challenges faced by manufacturers of formulated products are shared with the wider process industry, their nature is very different. Being often microheterogeneous, formulated products tend to be unstable and rely on a judicious selection of ingredients and fine-tuned production methods to guarantee physical and chemical stability during their lifetime. Compared to basic chemicals, this makes product development far more challenging in terms of, e.g.: 1) predicting the properties of combined ingredients at an early stage of their lifecycle for optimal use of ingredients; 2) designing new manufacturing processes and equipment; 3) selection of adequate modelling and simulation processes to minimise resources and energy utilisation; 4) scale-up from lab to production; and 5) developing in-stream high throughput metrology to enable quality control, plant automation and supply chain management. AceForm4.0 will establish and engage a European-wide Formulation Interest Group, comprising of stakeholders from industry, research institutes and government bodies to identify specific cross-sector challenges, barriers and opportunities. The resulting common European strategy will provide a framework for the rational development of sustainable products and stimulate targeted investment in RDI initiatives leading to new commercialised products, manufacturing facilities and services.

Related information



Centre for Process Innovation Limited WILTON CENTRE WILTON TS10 4RF REDCAR CLEVELAND United Kingdom

Activity type: Research Organisations Contact the organisation

Participants

RISE RESEARCH INSTITUTES OF SWEDEN AB BRINELLGATAN 4 501 15 BORAS Sweden

Activity type: Research Organisations Contact the organisation

DECHEMA GESELLSCHAFT FUER CHEMISCHE TECHNIK UND BIOTECHNOLOGIE E.V.	Germany
THEODOR HEUSS ALLEE 25	EU contribution: EUR 125 625
60486 FRANKFURT	
Germany	

Activity type: Research Organisations Contact the organisation

Strategisch Initiatief Materialen	Belgium
Technologiepark 935	EU contribution: EUR 135 750
9052 Zwijnaarde	
Belgium	
Activity type: Research Organisations Contact the organisation	

LULEA TEKNISKA UNIVERSITET UNIVERSITETSOMRADET PORSON 971 87 LULEA Sweden

Activity type: Higher or Secondary Education Establishments Contact the organisation Sweden EU contribution: EUR 51 875



EU contribution: EUR 108 250

Sweden



UNIVERSITE DE LORRAINE COURS LEOPOLD 34 54052 NANCY CEDEX France

Activity type: Higher or Secondary Education Establishments Contact the organisation

NPL MANAGEMENT LIMITED HAMPTON ROAD TEDDINGTON TW11 0LW MIDDLESEX United Kingdom United Kingdom EU contribution: EUR 15 625

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2017-03-31 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/205625_en.html © European Union, 2018







SCREEN

Project ID: 730313

Funded under:

H2020-EU.3.5.4. - Enabling the transition towards a green economy and society through ecoinnovation

Synergic Circular Economy across European Regions

From 2016-11-01 to 2018-10-31, ongoing project | SCREEN Website

Project details

-	
Total cost:	Topic(s):
EUR 1 771 865	CIRC-03-2016 - Smart Specialisation for systemic eco-innovation/circular
EU contribution:	economy
EUR 1 742 747,50	Call for proposal:
Coordinated in:	H2020-CIRC-2016OneStage See other projects for this call
Italy	Funding scheme:
	CSA - Coordination and support action

Objective

SCREEN aims at the definition of a replicable systemic approach towards a transition to Circular Economy in EU regions within the context of the Smart Specialization Strategy, through the identification and implementation of operational synergies between R&I investments from H2020 and the European Structural and Investment Funds, thus contributing to novel future eco-innovative and horizontal business models across different value chains.

The concept of the action is to develop a EU reference framework for establish operational synergies between Horizon 2020 and the European Structural and Investment Funds related to Circular Economy by:

a) Sustaining the regional actors' participation at H2020 The mechanism of the "vouchers", already adopted in the past, will be reinforced an harmonized, in order to ensure common rules in EU regions and therefore encouraging to composition of international Consortia applying for circular economy projects related to the regional Smart Specialisation.

b) Encouraging the entrepreneurial initiatives based on H2020 project's results

The participating Regions will agree about a specific rule in their Structural Funds giving an advantage for those initiatives targeted to the exploitation of the H2020 project results with a circular economy approach.

c) Investigating the possibility of maximizing the H2020 investment through a "recovery" (fully or partial) of well ranked unfinanced proposals dealing with circular economy

Even if there is a clear presence of several bureaucratic and operational barriers, a possible solution could have an impressive multiplier effect on the H2020 results.

The approach of the action is to leverage on growing industry sectors in EU regions to act as a driver also for the less performing ones, through a circular economy approach, and to support the emergence of new actors in the regional economies leading to new or redesigned value chains.

Related information

Report Summaries

Periodic Reporting for period 1 - SCREEN (Synergic Circular Economy across **European Regions**)



REGIONE LAZIO	Italy
Via del Giorgione 129	EU contribution: EUR 424 750
00147 Roma	
Italy	

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

Participants

UNIVERSITA DEGLI STUDI DELLA TUSCIA	Italy
VIA S MARIA IN GRADI 4	EU contribution: EUR 194 750
01100 VITERBO	
Italy	
Activity type: Higher or Secondary Education Establishments	
Contact the organisation	
REGIONE LOMBARDIA	Italy
PIAZZA CITTA DI LOMBARDIA 1	EU contribution: EUR 225 250
20124 MILANO	
Italy	
Activity type: Public bodies (excluding Research Organisations and Secondary or Hig	her Education Establishments)
Contact the organisation	
COMUNIDAD FORAL DE NAVARRA - GOBIERNO DE NAVARRA	Spain
AVENIDA CARLOS III 2	EU contribution: EUR 138 500
31002 PAMPLONA	
Spain	
Activity type: Public bodies (excluding Research Organisations and Secondary or Hig	her Education Establishments)
Contact the organisation	,
COMISSAO DE COORDENACAO E DESENVOLVIMENTO REGIONAL DO CENTRO	Portugal
RUA BERNADIM RIBEIRO 80	EU contribution: EUR 103 550
3000-069 COIMBRA	
Portugal	
Activity type: Public bodies (excluding Research Organisations and Secondary or Hig	her Education Establishments)
Contact the organisation	

Page 72 of 133 Research and Innovation WOJEWODZTWO LODZKIE AL MARSZALKA JOZEFA PILSUDSKIEGO 8 90 051 LODZ Poland

Contact the organisation

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

KRITI Plateia Eleftherias 71201 Heraklion Greece	Greece EU contribution: EUR 37 750
Activity type: Public bodies (excluding Research Organisations and Secondary or Higher E Contact the organisation	Education Establishments)
NEXA - AGENCE REGIONALE DE DEVELOPPEMENT D'INVESTISSEMENT ET D'INNOVATION 62, Boulevard du chaudron 97491 SAINTE CLOTILDE France	France EU contribution: EUR 17 250
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establis Contact the organisation	hments)
KNOWLEDGE TRANSFER NETWORK LIMITED	United Kingdom
52 UPPER STREET SUITE 218 BUSINESS DESIGN CENTRE ISLINGTON N1 0QH LONDON United Kingdom	EU contribution: EUR 94 197,50
Activity type: Other Contact the organisation	
Limburg Province	Netherlands
n/a 6202MA Maastricht Netherlands	EU contribution: EUR 92 750
Activity type: Public bodies (excluding Research Organisations and Secondary or Higher E Contact the organisation	Education Establishments)
PROVINCIE FRYSLAN	Netherlands
TWEEBAKSMARKT 52 8911 KZ LEEUWARDEN Netherlands	EU contribution: EUR 153 500
Activity type: Public bodies (excluding Research Organisations and Secondary or Higher E	Education Establishments)



PIRKANMAAN LIITTO NALKALANKATU 12 33200 TAMPERE Finland

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments) Contact the organisation

Last updated on 2017-03-27 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/205933_en.html © European Union, 2018







SCARCE

Project ID: 714080

Funded under: H2020-EU.1.1. - EXCELLENT SCIENCE - European Research Council (ERC)

Sustainable Chemical Alternatives for Re-use in the Circular Economy

From 2017-04-01 to 2022-03-31, ongoing project

Project details

Total cost:	Topic(s):
EUR 1 499 655,89	ERC-2016-STG - ERC Starting Grant
EU contribution:	Call for proposal:
EUR 1 499 655,89	ERC-2016-STG See other projects for this call
Coordinated in:	Funding scheme:
United Kingdom	ERC-STG - Starting Grant

Objective

This proposal seeks to develop a novel non-invasive, real-time direct observation methodology to provide new knowledge on the mechanisms underpinning crystal growth and harvesting within membrane crystallisation reactor technology. Crystallisation represents one of the most important separation processes in the chemical industry and will play a critical role in the circular economy through enabling the recovery of resources from wastewater to yield an array of sustainable low cost chemicals for use in European industries. Existing crystallisation reactor designs suffer from imperfect mixing and inhomogeneous solvent removal which makes control of crystal quality and consistency problematic and can limit application of the final product.

Membrane crystallisation reactor technology is a disruptive innovation that combines process intensification with the capability to achieve significant control over the crystallisation process at a fraction of the scale thus ameliorating many of the problems associated with existing crystallisers. However, before this disruptive membrane based technology can be realised at full scale, there is a critical need to understand the role of shear forces in mediating the growth and harvesting of crystals at the solvent-membrane boundary which has to date received little attention. With no reliable and accurate description of the shear force behaviour within the boundary layer, there is considerable risk incurred in the scaling up of membrane crystallisation reactor design which could lead to inconsistent and inefficient performance. Development of the novel non-invasive, real-time direct observation methodology will enable direct measurement of these discrete forces. The arising new knowledge will be challenged at various process sizes to evolve the science underlying process scale-up of membrane crystallisers and in doing so will deliver internationally competitive research, placing the applicant at the forefront of his academic field.

Host Institution

CRANFIELD UNIVERSITY College Road MK43 0AL CRANFIELD - BEDFORDSHIRE United Kingdom

Activity type: Higher or Secondary Education Establishments Contact the organisation United Kingdom EU contribution: EUR 1 499 655.89



Beneficiaries

CRANFIELD UNIVERSITY College Road MK43 0AL CRANFIELD - BEDFORDSHIRE United Kingdom

Activity type: Higher or Secondary Education Establishments Contact the organisation

To know more

http://erc.europa.eu/

Last updated on 2017-03-20 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/209124_en.html © European Union, 2018

United Kingdom EU contribution: EUR 1 499 655,89







CircEuit

Project ID: 721909

Funded under: H2020-EU.1.3.1. - Fostering new skills by means of excellent initial training of researchers

Circular European Economy Innovative Training Network

From 2016-09-01 to 2020-08-31, ongoing project

Project details

Total cost:	Topic(s):
EUR 3 995 643,24	MSCA-ITN-2016 - Innovative Training Networks
EU contribution:	Call for proposal:
EUR 3 995 643,24	H2020-MSCA-ITN-2016 See other projects for this call
Coordinated in:	Funding scheme:
Netherlands	MSCA-ITN-ETN - European Training Networks

Objective

Circ€uit – the Circular European Economy Innovative Training Network - creates a cohort of future leaders in research, policy & business through its innovative training programme focused on the Circular Economy. Circular business models, based on leasing or providing functionality rather than products, often called Product Services Systems, are widely seen as a way how business can create sustainable jobs and growth. The Ellen MacArthur Foundation (EMF) and McKinsey calculated that circular business will create billions of value. This opportunity has become an important development area for researchers engaged in the sustainability, engineering and design and business fields.

Seven top universities well embedded in the EIT KIC Raw materials, supported by the EMF, their CE100 network and various companies propose here a multi-disciplinary approach to ensure a range of research perspectives are included across the circular field. 5 main areas of research are relevant to understand how to create such business models.

1. Businesses and business models: how to stimulate circular provisioning?

- 2. Supply chains: how to organize supply and delivery chains for circularity?
- 3. Users: how to motivate stimulate circular consumption?
- 4. Design: how to design circular value propositions?

5. Systems: How to ensure economic and environmental benefits can support for change to circularity?

We choose these areas as our main Work Packages, and appoint PhD students in each of these areas with as main goals:

1. Create new business model innovation across Europe that helps to support the economy while at the same time reduce ecological burden

2. Create a new, sustainable and cross-disciplinary network of trained experts who will have the skills, qualifications, and professional connections to drive future innovation.

3. Create new links between industry and academia in training ESRs to develop new approaches to PSS which will help orgs to compete, create growth and innovation.

Related information



UNIVERSITEIT LEIDEN RAPENBURG 70 2311 EZ LEIDEN Netherlands

Activity type: Higher or Secondary Education Establishments Contact the organisation

Participants

NORGES TEKNISK-NATURVITENSKAPELIGE UNIVERSITET NTNU HOGSKOLERINGEN 1 7491 TRONDHEIM Norway

Activity type: Higher or Secondary Education Establishments Contact the organisation

TECHNISCHE UNIVERSITEIT DELFT STEVINWEG 1 2628 CN DELFT Netherlands

Activity type: Higher or Secondary Education Establishments Contact the organisation

INSTITUT POLYTECHNIQUE DE GRENOBLE AVENUE FELIX VIALLET 46 38031 GRENOBLE CEDEX 1 France

Activity type: Higher or Secondary Education Establishments Contact the organisation

CRANFIELD UNIVERSITY College Road MK43 0AL CRANFIELD - BEDFORDSHIRE United Kingdom

Activity type: Higher or Secondary Education Establishments Contact the organisation Netherlands

EU contribution: EUR 510 748,56

Norway EU contribution: EUR 572 550.48

Netherlands EU contribution: EUR 766 122,84

France

EU contribution: EUR 525 751,20

United Kingdom

EU contribution: EUR 546 575,76



ASTON UNIVERSITY ASTON TRIANGLE **B4 7ET BIRMINGHAM** United Kingdom

Activity type: Higher or Secondary Education Establishments Contact the organisation

LINKOPINGS UNIVERSITET CAMPUS VALLA 581 83 LINKOPING Sweden

Activity type: Higher or Secondary Education Establishments Contact the organisation

Partner organisations

Ellen MacArthur United Kingdom Foundation MEDINA ROAD 42 THE SAIL LOFT 42 PO31 7BX COWES ISLE OF WIGHT United Kingdom Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation Toyota Material Handling Europe AB 59581 Mjolby Sweden

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Winnow Solutions Ltd London United Kingdom Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)

Contact the organisation

Reduse

Ltd

62 Alpha Rd CB4 3DG Cambridge United Kingdom

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

EU contribution: EUR 546 575,76

Sweden EU contribution: EUR 527 318,64

Sweden

United Kingdom

United Kingdom

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Last updated on 2017-03-09

Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/205515_en.html

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Ro-Boost Inno SMEs

Project ID: 743761 Funded under: H2020-EU.2.3. - INDUSTRIAL LEADERSHIP - Innovation In SMEs

RO-Boost Inno SMEs - Boosting the Innovative Potential of Romanian SMEs

From 2017-01-01 to 2018-12-31, ongoing project

Project details

Total cost:	Topic(s):	
EUR 56 546,25	H2020-SGA2-EEN - H2020 2D CONSULTATION EEN	
EU contribution:	Call for proposal:	
EUR 56 281	H2020-EEN-SGA2-2017-2018 See other projects for this call	
Coordinated in:	Funding scheme:	
Romania	H2020-EEN-SGA - Specific Grant Agreement Enterprise Europe Network (EEN)	

Objective

In the context of innovation-divided Europe and scarce consultancy in RDI, Macro Region 4 Romania is in full process of moving towards a "turning point" of economic positioning in a climate of globalization, disruptive innovations and circular economies. This dynamic brings to surface impediments innovation actors in the region face multiple challenges, while their ability to overcome them is crucial to the impact of such changes. The core members of the Ro-Boost SMEs consortium are aware that it is time for smart action in order to achieve the goal of reducing the innovation divide among companies. Based on the vision stated in the Ro-Boost SMEs Implementation Strategy, the core members of the consortium jointly elaborated the project "Ro-Boost Inno SMEs" aimed at consolidating innovative businesses - rooted into the Smart Specialisation Strategy - and to expand their position within the sector global value chains. To achieve this goal, dedicated innovation support envisaged at the beginning of 2015 shall be continued in order to increase added value of SMEs and innovative sectors in the global economy, using an innovative delivery system and consolidating the community of innovators.

The proposal is built around the expertise of relevant partners at Macro Region 4 level and in-depth competences gained in 2015-2016. It shall also capitalize on the impact generated in the previous period in order to gain further recognition of the innovation management as success driver among SMEs in terms of both economic impact and innovation culture within business environment.

Coordinator

REGIONAL DEVELOPMENT AGENCY OF THE WEST REGION ROMANIA ST PROCLAMATIA DE LA TIMISOARA 5 300554 TIMISOARA

Romania

Activity type: Other Contact the organisation

Participants

Romania EU contribution: EUR 490



AGENTIA PENTRU DEZVOLTARE REGIONALA SUD-VEST OLTENIA STRADA ALEEA TEATRULUI 2 A 200402 CRAIOVA DOLJ Romania

Activity type: Other Contact the organisation

ASOCIATIA TEHIMPULS-CENTRUL REGIONAL DE INOVARE SI TRANSFER TEHNOLOGIC STR PROCLAMATIA DE LA TIMISOARA 5 300054 TIMISOARA Romania

Activity type: Other Contact the organisation

ASOCIATIA CENTRUL DE DEZVOLTARE ARAD STR EROUL NECUNOSCUT 15B ET3 AP5 310118 ARAD Romania

Activity type: Research Organisations Contact the organisation

UNIVERSITATEA DIN CRAIOVA A I CUZA STREET 13 200585 CRAIOVA Romania

Activity type: Higher or Secondary Education Establishments Contact the organisation

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Permalink: https://cordis.europa.eu/project/rcn/208214_en.html © European Union, 2018

Romania EU contribution: EUR 45 143,50

Romania EU contribution: EUR 0

Romania

EU contribution: EUR 2 247,50







INTERLACE

Project ID: 754494 Funded under: H2020-EU.1.2.1. - FET Open

Interacting Decentralized Transactional and Ledger Architecture for Mutual Credit

From 2017-05-01 to 2018-10-31, ongoing project

Project details

Total cost:	Topic(s):	
EUR 99 978,75	FETOPEN-04-2016-2017 - FET Innovation Launchpad	
EU contribution:	Call for proposal:	
EUR 99 978,75	H2020-FETOPEN-4-2016-2017 See other projects for this call	
Coordinated in:	Funding scheme:	
Italy	CSA - Coordination and support action	

Objective

The objective of INTERLACE is to use the Abstract State Interaction Machines framework (CoreASIM) open source output of the FP7 FET project BIOMICS to develop a decentralized transactional and ledger architecture demonstrator for B2B mutual credit. INTERLACE will add to the work already started by its coordinator, Sardex s.r.l., to develop this architecture. SARDEX will use the Open Transaction protocol (OTX) as an intermediate solution between fully centralized and distributed architectures. OTX involves a pool of Auditor nodes to validate the transactions executed by each Notary node. In INTERLACE there will be only one central Notary, as a first step from the current centralized server towards a more distributed architecture. The persistence layer will be implemented as a private blockchain stored on the central server to create a sparse 160-bit address space implemented as a binary hash tree. This approach achieves continuity with the existing solution while also enabling scalability to multiple circuits (multiple Notaries) under the same mathematical and computational framework. SARDEX has been operating successfully an electronic, B2B, zero-interest mutual credit system on the island of Sardinia since 2009. The Sardex system (also known as Circuito di Credito Commerciale) enables local economic actors (SMEs in particular) to trade with each other in a trustful and circular fashion with a unique digital trade credit unit. It does this by monetizing the spare capacity of the local economy in the form of mutual, and taxable, credit between participating companies, at zero interest, on a strong basis of trust, solidarity, and local cultural identity. Therefore, INTERLACE will address very effectively the Workprogramme objective to generate socio-economic impact from EU-funded research. INTERLACE is uniquely positioned to integrate the very advanced results of BIOMICS directly in a deeply innovative, transformative, and successful fintech platform for B2B trade.

Coordinator

SARDEX SPA VIA SERRA 44 09038 SERRAMANNA Italy

Italy EU contribution: EUR 23 000

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Participants



THE UNIVERSITY OF HERTFORDSHIRE HIGHER EDUCATION CORPORATION COLLEGE LANE AL10 9AB HATFIELD United Kingdom

Activity type: Higher or Secondary Education Establishments Contact the organisation

UNIVERSITAT PASSAU INNSTRASSE 41 94032 PASSAU Germany

Activity type: Higher or Secondary Education Establishments Contact the organisation

Fachhochschule Salzburg GmbH URSTEIN SUED 1 5412 PUCH BEI HALLEIN Austria

Activity type: Higher or Secondary Education Establishments Contact the organisation

Last updated on 2017-03-09 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/209089_en.html © European Union, 2018 United Kingdom

EU contribution: EUR 11 356,25

Germany EU contribution: EUR 18 800

Austria

EU contribution: EUR 46 822,50







MULTI2HYCAT

Project ID: 720783

Funded under:

H2020-EU.2.1.3. - INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies - Advanced materials

MULTI-site organic-inorganic HYbrid CATalysts for MULTI-step chemical processes

From 2017-01-01 to 2020-12-31, ongoing project

Project details

Total cost:	Topic(s):
EUR 5 346 957,50	NMBP-01-2016 - Novel hybrid materials for heterogeneous catalysis
EU contribution:	Call for proposal:
EUR 5 346 957,50	H2020-NMBP-2016-two-stage See other projects for this call
Coordinated in:	Funding scheme:
Italy	RIA - Research and Innovation action

Objective

The main goal of MULTI2HYCAT is to design, obtain proof of concept (2 gr.) and upscale in a pre-pilot reactor (20-50 gr.) a new class of hierarchically-porous organic-inorganic hybrid materials, which will be used as active catalysts to carry out multi-step asymmetric catalytic processes with predominantly high conversions (up to 90%) and selectivity (in the range of 80-90%) towards the desired final products. The project promises to solve, for the first time, the low conversion and selectivity of current organosiliceous solids, while at the same time improving the flexibility and versatility and reducing costs of the obtained catalysts, making them attractive for a wide range of industrial applications. To this end, during the project, these novel catalysts will be demonstrated for specialty chemical and pharmaceutical applications, as a concrete prime-mover for subsequent replication.

The MULTI2HYCAT project will contribute to the implementation of the EU policies and Directives on competitiveness and sustainability (e.g. Circular Economy Strategy and Resource Efficiency), through the validation of novel concepts in hybrid materials design for heterogeneous catalysis. This includes the preparation and validation of innovative hierarchical porous organic-inorganic materials with several active sites (organocatalysts) perfectly located in specific structural positions in their framework which will be used as single-solid reusable hybrid active catalyst to carry out multi-step catalytic processes. The new material will allow avoiding the extra-efforts associated with isolation of intermediate products, wastes and solvents elimination and purification processes thus enabling more efficient and sustainable catalytic routes from the economic, energetic as well as the environmental points of view.

Coordinator

UNIVERSITA DEGLI STUDI DEL PIEMONTE ORIENTALE AMEDEO AVOGADRO

DUOMO 6 13100 VERCELLI Italy EU contribution: EUR 963 862,50

Italv

Activity type: Higher or Secondary Education Establishments Contact the organisation



orticipont -

40472 DUSSELDORF

Germany

Participants	
AGENCIA ESTATAL CONSEJO SUPERIOR DEINVESTIGACIONES CIENTIFICAS CALLE SERRANO 117 28006 MADRID Spain	Spain EU contribution: EUR 794 050
Activity type: Research Organisations Contact the organisation	
UNIVERSITY OF SOUTHAMPTON Highfield SO17 1BJ SOUTHAMPTON United Kingdom	United Kingdom EU contribution: EUR 854 962,50
Activity type: Higher or Secondary Education Establishments Contact the organisation	
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS RUE MICHEL ANGE 3 75794 PARIS France	France EU contribution: EUR 584 531,25
Activity type: Research Organisations Contact the organisation	
SOLVAY SA RUE DE RANSBEEK 310 1120 BRUXELLES Belgium	Belgium EU contribution: EUR 808 551,25
Activity type: Private for-profit entities (excluding Higher or Secondary Educ Contact the organisation	cation Establishments)
CAGE CHEMICALS SRL VIA BOVIO 6 28100 NOVARA Italy	Italy EU contribution: EUR 347 500
Activity type: Private for-profit entities (excluding Higher or Secondary Educ Contact the organisation	cation Establishments)
PNO CONSULTANTS GMBH HELTORFER STRASSE 4	Germany EU contribution: EUR 475 000

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation



ALMIRALL SA GENERAL MITRE 151 08022 BARCELONA Spain

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2017-03-09 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/206746_en.html © European Union, 2018







IFLFSCTM

Project ID: 729221
Funded under:
H2020-EU.2.3.1. - Mainstreaming SME support, especially through a dedicated instrument
H2020-EU.3.2.1. - Sustainable agriculture and forestry
H2020-EU.3.2.2. - Sustainable and competitive agri-food sector for a safe and healthy diet
H2020-EU.3.2.4. - Sustainable and competitive bio-based industries and supporting the development of a European bioeconomy

Intelligent Freshtag Labels for Supply Chain Temperature Monitoring

From 2016-05-01 to 2016-10-31, closed project

Project details

Total cost:	Topic(s):
EUR 71 429	SMEInst-07-2016-2017 - Stimulating the innovation potential of SMEs for
EU contribution:	sustainable and competitive agriculture, forestry, agri-food and bio-based
EUR 50 000	sectors
Coordinated in:	Call for proposal:
United Kingdom	H2020-SMEINST-1-2016-2017 See other projects for this call
	Funding scheme:
	SME-1 - SME instrument phase 1

Objective

Insignia Technologies has developed and run initial testing on time and temperature sensitive labels that are used to reduce food waste and monitor temperature abuse within the supply chain. To build on the small scale testing that has been carried out thus far, Insignia proposes to run a Phase 1 project with the aim of producing further prototype Freshtag labels that will be used in live trials with customers in Europe including Autogrill, Sodexo and The Co-Operative. Define optimal requirements from the test customers, attend FachPack in Nuremberg in September 2016 to showcase the technology, research developing markets and use all of the results and data gathered to structure a business plan that moves forward to large scale trials with a range of customers as part of a Phase 2 project.

Related information

Report Summaries

Periodic Reporting for period 1 - IFLFSCTM (Intelligent Freshtag Labels for Supply Chain Temperature Monitoring)



INSIGNIA TECHNOLOGIES LIMITED BIOCITY SCOTLAND BO'NESS ROAD ML15UH NEWHOUSE United Kingdom United Kingdom **EU contribution:** EUR 50 000

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2017-03-07 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/204341_en.html

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BRINE MINING

Project ID: 739507

Funded under: H2020-EU.2.3.2.2. - Enhancing the innovation capacity of SMEs

Applying circular economy solutions in industrial wastewater management: request of SME Associate to develop the necessary energy simulation tools for recovery of waste heat from industrial operations

From 2017-09-01 to 2018-08-31, ongoing project

Project details

Total cost:	Topic(s):
EUR 82 000	INNOSUP-02-2016 - European SME innovation Associate - pilot
EU contribution:	Call for proposal:
EUR 82 000	H2020-INNOSUP-02-2016 See other projects for this call
Coordinated in:	Funding scheme:
Netherlands	CSA - Coordination and support action

Objective

"Global competition for water is increasing and is expected to lead to social, economic, environmental and geo-political consequences. Desalination provides a promising solution for the water crisis. However, current desalination technologies cause serious environmental impacts, due to the wastewater effluent called ""brine"". At the same time, this brine contains valuable materials which can, if recovered, create significant value and job opportunities for our economies. BRINE-MINING project aims to develop the 1st Circular Economy Plan for closing the loop of desalination wastewater, by applying an eco-innovative technology developed in previous EU projects in industrial environment, while exploiting waste heat available.The company is commercializing an eco-innovative technology that was demonstrated successfully at pilot scale, within the European project SOL-BRINE (BEST LIFE 2015 ENVIRONMENT project). The research was further advanced through a second EU funding, to elaborate a feasibility study (SME Project No. 674455).

To do so, our company needs expertise in advanced simulation tools that will allow integration of our technology in the industrial environment, by making optimal use of the waste heat available. This is expected to reduce drastically the operating expenditure of the solution provided, achieving competitive prices and thus empowering our unique selling proposition. The ultimate goal will be to recruit a talented researcher in the position of Senior Software Development Engineer, who will be able to apply his expertise in order to realize our innovation potential. This is expected to contribute significantly to the growth of our company, creating approximately 6 new job positions and the possibility to collaborate with the SME Associate on a permanent basis towards our game changing path of making desalination circular."



SEALEAU BV ROTTERDAMSEWEG 183 C 2629 HD DELFT Netherlands

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2017-03-01 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/208501_en.html

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Netherlands EU contribution: EUR 82 000







SAFER

Project ID: 748600

Funded under: H2020-EU.1.3.2. - Nurturing excellence by means of cross-border and cross-sector mobility

Innovative Concrete Barriers for Forgiving Road Infrastructure

From 2017-03-01 to 2019-02-28, ongoing project

Project details

Total cost:	Topic(s):
EUR 163 648,80	MSCA-IF-2016 - Individual Fellowships
EU contribution:	Call for proposal:
EUR 163 648,80	H2020-MSCA-IF-2016 See other projects for this call
Coordinated in:	Funding scheme:
Cyprus	MSCA-IF-EF-CAR - CAR - Career Restart panel

Objective

One of the top ten goals set by the White Paper on Transport is to reduce fatalities in road transport. The European Union is aiming to halve road casualties by 2020, in line with the long term goal to move close to zero fatalities by 2050. Despite the reduction in road fatalities in the EU since 2010, there are specific countries where the numbers are increasing. In addition, the yearly decrease rate in road fatalities for Europe as a whole is slowing down. In order to reach the goal set for 2020, action should be taken immediately. The most vulnerable road users are motorcyclists, who are currently suffering from frequent fatalities in crashes involving road barriers. The European Road Assessment has indicated the critical need to adopt improved barrier designs to protect vulnerable road users. While rubberized concrete has been recommended for road barriers, challenges involving strength and durability of the material have not been addressed. This research proposes to develop optimised steel fibre-reinforced rubberised concrete mixtures as well as road barrier designs, which will lead to the development of SAFER road barriers with outstanding deformability and structural integrity; thus paving the way for forgiving road infrastructure. The use of recycled rubber and steel wires (obtained from End-of-life tyres) supports the Horizon 2020 Transport Research and Innovation Act priorities for sustainability and resource efficiency (including the Circular Economy package).

Coordinator

TECHNOLOGIKO PANEPISTIMIO KYPROU ARCHBISHOP KYPRIANOS 31 SAVINGS COOPERATIVE BANK BUILDING 3RD FLOOR EU cor 3036 LEMESOS Cyprus

Activity type: Higher or Secondary Education Establishments Contact the organisation

Last updated on 2017-02-14 Retrieved on 2018-07-19

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Cyprus

EU contribution: EUR 163 648,80 **Permalink**: https://cordis.europa.eu/project/rcn/208211_en.html © European Union, 2018







NewFert

Project ID: 668128

Funded under: H2020-EU.3.2.6. - Bio-based Industries Joint Technology Initiative (BBI-

JTI)

Nutrient recovery from biobased Waste for Fertilizer production

From 2015-07-01 to 2018-12-31, ongoing project | NewFert Website

Project details

Total cost:	Topic(s):
EUR 2 419 740	BBI.VC4.R10 - Nutrient recovery from biobased waste streams and residues
EU contribution:	Call for proposal:
EUR 1 209 520,50	H2020-BBI-PPP-2014-1 See other projects for this call
Coordinated in:	Funding scheme:
Spain	BBI-RIA - Bio-based Industries Research and Innovation action

Objective

Biowaste valorisation is an attractive approach in the framework of the EU Waste Management policies and the development of a circular economy. Waste from biostreams and different biobased sources are being under-utilised as potential resource of valuable compounds. Fertilisers play an important role as suppliers of nutrients relying on their production heavily on fossil mineral resources. European Fertiliser industry is besides very dependent on imports of these raw materials, being vulnerable to supply and pricing policies.

Main objective of the proposal is to build up a breakthrough concept of Fertiliser Industry, strengthening European competitiveness and boosting the biobased economy potential, through the development of a new value chain, which will achieve turning solid and liquid residues, specifically ashes of different origins and livestock effluents, into high quality valuable products, a new generation of fertilisers. NEWFERT will focus on a viable and cost-effective industrial nutrient recycling scheme, developing new biorefining technologies aimed at increasing nutrient recovery ratios and mitigating environmental and socio-economical impact of the current fertilisers by replacing non renewable and fossil nutrients with biobased materials in their composition. Projected benefits also include substantial energy savings and CO2 emissions reduction. NEWFERT aims to decrease raw material dependency, prevent resource depletion and reduce the environmental impact increasing significantly the Fertiliser industry sustainability. The work organisation has been designed to link and pursue a successful industrial integration supported by a solid life-cycle cost analysis. The strategy of the work plan is based on 8 workpackages. NEWFERT consortium is lead by FERTIBERIA and composed by a balanced set of 6 partners from 4 European Union member countries: biobased industries, SMEs, RTOs and academic institutions covering nutrients recovery from biobased waste field.

Related information

Report Summaries

Periodic Reporting for period 1 - NewFert (Nutrient recovery from biobased Waste for Fertilizer production)



FERTIBERIA SA PASEO DE LA CASTELLANA TORRE ESPACIO 259D 28046 MADRID Spain

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Participants UNIVERSIDAD DE LEON Spain Avenida de la Facultad, 25 EU contribution: EUR 362 181 24004 LEON Spain Activity type: Higher or Secondary Education Establishments Contact the organisation KWB KOMPENTENTZZENTRUM WASSER BERLIN GEMEINNUTZIGE GMBH Germany **CICEROSTRASSE 24** EU contribution: EUR 250 250 **10709 BERLIN** Germany Activity type: Research Organisations Contact the organisation **DRAGE & MATE INTERNATIONAL SL** Spain C/O MARIO VARGAS LLOSA 22 **EU contribution:** EUR 282 617,50 **30107 GUADALUPE MURCIA** Spain Activity type: Other Contact the organisation INSTITUT NATIONAL DE RECHERCHE EN SCIENCES ET TECHNOLOGIES POUR France L'ENVIRONNEMENT ET L'AGRICULTURE **RUE PIERRE GILLES DE GENNES 1** EU contribution: EUR 202 716 92761 ANTONY CEDEX France Activity type: Research Organisations Contact the organisation



PROMAN MANAGEMENT GMBH WEINGARTENSTRASSE 92 2214 AUERSTHAL Austria

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2017-02-14 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/197313_en.html © European Union, 2018







MAKE-IT

Project ID: 688241

Funded under:

H2020-EU.2.1.1. - INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies - Information and Communication Technologies (ICT)

Understanding Collective Awareness Platforms with the Maker Movement

From 2016-01-01 to 2017-12-31, closed project | MAKE-IT Website

Project details

Total cost:	Topic(s):
EUR 1 999 867,50	ICT-10-2015 - Collective Awareness Platforms for Sustainability and Social
EU contribution:	Innovation
EUR 1 999 863	Call for proposal:
Coordinated in:	H2020-ICT-2015 See other projects for this call
Netherlands	Funding scheme:
	RIA - Research and Innovation action

Objective

Powerful tools provided by ICT software and hardware have revolutionised and, many would claim, democratised publishing, broadcasting and communications. Now, the same is happening to manufacturing as tangible objects are created and designed as virtual 'bits' which can be shared globally, but then reproduced as things which manifest themselves locally. This is the maker movement.

MAKE-IT will study maker communities, both through ten different case studies and innovation action research, to enhance their use of Collective Awareness Platforms (CAPs). CAPs support maker communities and networks to innovate, design and make physical products based on peer collaboration and sharing. MAKE-IT, in which key maker platforms, technology firms and citizen communities participate, will focus on three perspectives: organisation and governance of the communities, their peer and collaborative activities and behaviour, and their economic and societal value and impact. Together, the findings will inform recommendations for the maker movement itself, and its implementation through CAPs, and be made assessable to many other CAPs uses, in areas like health, education and transport. MAKE-IT will also offer strategic advice for industry and give recommendations for national-level and European policy makers.

A better understanding of how CAPs are central to the maker movement will enable more sustainable production and consumption patterns by generating awareness and by leveraging peer pressure for better lifestyles through behavioural and system change. It will also contribute directly to constructing a more circular economy by stimulating resource efficiency, reusing materials and energy, and re-designing production processes to move towards zero waste. CAPs-supported maker communities can create new types of jobs and new ways of working, both bottom-up and linking to smart industry, which are widely distributed across society both geographically and amongst the population.

Related information

Report Summaries

Periodic Reporting for period 1 - MAKE-IT (Understanding Collective Awareness Platforms with the Maker Movement)



NEDERLANDSE ORGANISATIE VOOR TOEGEPAST NATUURWETENSCHAPPELIJK ONDERZOEK TNO ANNA VAN BUERENPLEIN 1 **EU contribution:** EUR 573 2595 DA DEN HAAG Netherlands

Activity type: Research Organisations Contact the organisation

Participants

TEKNOLOGISK INSTITUT GREGERSENSVEJ 1 2630 TAASTRUP Denmark

Activity type: Research Organisations Contact the organisation

ZENTRUM FUR SOZIALE INNOVATION GMBH **LINKE WIENZEILE 246** 1150 WIEN Austria

Activity type: Research Organisations Contact the organisation

TECHNISCHE UNIVERSITAT DORTMUND AUGUST SCHMIDT STRASSE 4 44227 DORTMUND Germany

Activity type: Higher or Secondary Education Establishments Contact the organisation

INSTITUT D'ARQUITECTURA AVANCADA DE CATALUNYA **CARRER PUJADES 102** 08005 BARCELONA Spain

Activity type: Research Organisations Contact the organisation

Denmark **EU contribution:** EUR 416 193.75

Austria EU contribution: EUR 354 358,75

Germany

EU contribution: EUR 238 802,50

Spain **EU contribution:** EUR 184 693.75



Netherlands

239,25

FABLAB UDRUGA ZA POMICANJE DIGITALNE FABRIKACIJE TRG VLADKA MACEKA 2 10000 ZAGREB Croatia

Activity type: Research Organisations Contact the organisation

HAPPYLAB GMBH HAUSSTEINSTRASSE 4/2 1020 WIEN Austria

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

SIHTASUTUS TEADUSKESKUS AHHAA	Estonia
SADAMA 1	EU contribution: EUR 34
51004 TARTU	357,50
Estonia	
Activity type: Other	
Contact the organisation	

CREATE IT REAL APS	Denmark
GOETTRUPVEJ 66	EU contribution: EUR 75
9220 AALBORG OST	717,50
Denmark	

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2017-02-01 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/200424_en.html

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Austria **EU contribution:** EUR 73 217,50







BioPackNet

Project ID: 763298

Funded under:

H2020-EU.2.3.1. - Mainstreaming SME support, especially through a dedicated instrument H2020-EU.3.5. - SOCIETAL CHALLENGES - Climate action, Environment, Resource Efficiency and Raw Materials

Manufacturing of biodegradable and compostable packaging nets through a conventional one-step extrusion process

From 2017-02-01 to 2017-05-31, closed project | BioPackNet Website

Project details

Total cost:	Topic(s):
EUR 71 429	SMEInst-11-2016-2017 - Boosting the potential of small businesses in the areas
EU contribution:	of climate action, environment, resource efficiency and raw materials
EUR 50 000	Call for proposal:
Coordinated in:	H2020-SMEINST-1-2016-2017 See other projects for this call
Spain	Funding scheme:
	SME-1 - SME instrument phase 1

Objective

European demand for plastic in 2014 was 47.8 M tonnes, of which 90% came from non-renewable sources. Moreover, 25.8 M tonnes of plastics ended up in the rubbish, with 30.8% completing their life cycle in landfills. Suitable sites for landfill across Europe are running out and public concerns are increasing about the impact of landfill on the environment and health. Reducing the quantities of waste that ultimately ends up in landfill has become imperative in the EU (Landfill Directive 1999/31/EC) and represents a particularly difficult task to achieve. Recycling is one of the most important actions currently available to reduce the impact of waste and plastic production. However, some packaging items such as nets (e.g used to package potatoes, oranges) are not suitable to be treated in recycling facilities as they are difficult to be cut and get entangled in the sorting equipment ending up as waste in landfills. One possible solution is the development of biodegradable and compostable materials that could be processed through extrusion melt spinning (EMS) to manufacture these nets. Some advances have been made in this area but the high price of the final packaging product make these alternatives economically unviable. Ecoplas, a spanish manufacturer of packaging nets has come up with a solution: Biopacknet. Biopacknet will be the first packaging net with improved physical characteristics that will be processed through conventional EMS, saving energy, quantity of material and above all at a competitive cost. Biopacknet will turn into compost when it reaches its end of life. giving life to plants that will become raw materials for biopolymers in Biopacknet's formulation, closing the loop to a circular economy. With sales of 1312 tonnes of packaging net, a turnover of €5,5M and 8 new jobs created in just 3 years of commercialization Ecoplas will be able to double its revenue in just 6 years while helping businesses adopt more sustainable practices in the EU.

Related information

Report Summaries

Periodic Reporting for period 1 - BioPackNet (Manufacturing of biodegradable and compostable packaging nets through a conventional one-step extrusion process)


ECOPLAS BARBANZA SL LG FREIXO-POSTMARCOS 15948 POBRA CARAMI (A CORUNA) Spain

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2017-02-01 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/208031_en.html

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Spain EU contribution: EUR 50 000







FUNGITAINER

Project ID: 761885
Funded under:
H2020-EU.2.3.1. - Mainstreaming SME support, especially through a dedicated instrument
H2020-EU.3.2.1. - Sustainable agriculture and forestry
H2020-EU.3.2.2. - Sustainable and competitive agri-food sector for a safe and healthy diet
H2020-EU.3.2.4. - Sustainable and competitive bio-based industries and supporting the development of a European bioeconomy

FUNGITAINER: Innovative Modular and Mobile Indoor Farm for Mushrooms and Substrate Production

From 2017-02-01 to 2017-05-31, closed project | FUNGITAINER Website

Project details	
Total cost:	Topic(s):
EUR 71 429	SMEInst-07-2016-2017 - Stimulating the innovation potential of SMEs for
EU contribution:	sustainable and competitive agriculture, forestry, agri-food and bio-based sectors
Coordinated in:	Call for proposal:
Spain	H2020-SMEINST-1-2016-2017 See other projects for this call Funding scheme:
	SME-1 - SME instrument phase 1

Objective

The increasing recognition of mushrooms' properties has boosted their consumption around the world but their production is naturally limited to the countries where environmental conditions are favourable or costly indoor facilities have been built up. The rest of the countries must import them. Due to their perishable nature, mushrooms are mostly transported once they have been processed (canned, dried or frozen) although consumption patterns suggest consumers' preference for fresh product at the expense of processed one. On the other hand, growers who want to succeed in the sector encounter serious limitations, mainly due to the difficulty to have guaranteed a constant and cost-effective supply of substrate and the high initial investment costs. Due to the limited number of substrate producers, this product is delivered to a different country or even continent, increasing substrate's final price and reducing growers' profitability. Moreover, the investment required to build and operate an indoor fixed facility is impractical when the grower want to start with small productions.

Hongo's Biofactory has developed the Fungitainer systems: Fungitainer Substrate, for high-efficiency substrate production and the Fungitainer Grow, which provides the optimum controlled environment for growing any edible mushroom anywhere in the world (regardless of the outdoor conditions). Besides, substrate is produced making use of local agriculture and livestock waste, valorising these residues (in line with the Circular Economy approach). Thanks to Fungitainer modularity and low investment cost (90% cheaper than traditional solutions), the system adapts to meet the needs of small and large-scale growers. Investment of growers is recovered in 1.9 years. Fungitainer solution also includes support during the whole production process thanks to Hongo's Biofactory extensive expertise.

Hongo's Biofactory expects to obtain an accumulated profit around 6M€ in 5 years, ROI of 3.3.

Related information



HONGO'S BIOFACTORY SL C/ RIO TIRON 6 1 C LA RIOJA 26500 CALAHORRA Spain

Spain EU contribution: EUR 50 000

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2017-01-26 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/207959_en.html © European Union, 2018







PCBRec

Project ID: 761495

Funded under:

H2020-EU.2.3.1. - Mainstreaming SME support, especially through a dedicated instrument H2020-EU.3.5. - SOCIETAL CHALLENGES - Climate action, Environment, Resource Efficiency and Raw Materials

PCBRec process: Waste Printed Circuit Board (WPCB) Recycling with Molten Salts

From 2017-02-01 to 2017-07-31, closed project | PCBRec Website

Project details

Total cost:	Topic(s):
EUR 71 429	SMEInst-11-2016-2017 - Boosting the potential of small businesses in the areas
EU contribution:	of climate action, environment, resource efficiency and raw materials
EUR 50 000	Call for proposal:
Coordinated in:	H2020-SMEINST-1-2016-2017 See other projects for this call
Ireland	Funding scheme:
	SME-1 - SME instrument phase 1

Objective

The ambition of Composite Recycling Ltd is to establish its patented PCBRec process, as a cost and environmentally preferred process for the treatment of all types of waste printed circuit boards (WPCBs). Every year about 400,000 tons of WPCBs are generated in Europe of which over 90% are land filled or incinerated; resulting a large loss of valuable metals such as copper, gold, silver, solder, indium etc. Printed circuit boards are used in almost all electronic equipment such as televisions, computers or mobile phones. Hence PCBRec is an important contribution of solving a large EU and indeed global solid waste problem.

The PCBRec technology disrupts the WPCB recycling market by offering many significant advantages over current technologies:

• Yields: over 95% recovery rate of copper, steel and solder as established by laboratory and pilot plant trials, which showed that the PCBRec process greatly exceeds the yields of current technologies of about 70-80%.

- Critical metals: for the first time critical metals may be recyclable from WPCBs.
- All types of PCBs: not just high value WPCBs.
- Scalability: the technology is modular, allowing capacity increases in a systematic fashion.
- Simple reactor from established industries (hot dip galvanising): no moving parts minimising capital costs.

The IRR of a PCBRec plant is estimated to be over 15% for low value and 80% for medium value WPCBs. These IRR figures exclude recovery of precious metals such as gold or silver. Over 15 plants with throughputs of 15-20,000 t/y and CAPEX of €8.5 million are required in Europe. Worldwide some additional 40 plants are required resulting, overall, in a large market.

In Europe significant regulatory drivers exist for the further development of the PCBRec technology in form of the WEEE Directive and the drive towards the circular economy. Many US states, Canada, Australia and Japan legislate WEEE similar to Europe, turning the PCBRec process into a global business opportunity.

Related information



Periodic Reporting for period 1 - PCBRec (PCBRec process: Waste Printed Circuit Board (WPCB) Recycling with Molten Salts)

Coordinator

COMPOSITE RECYCLING LIMITED THE RUBICON CENTRE CIT CAMPUS BISHOPSTOWN T12 Y275 CORK Ireland Ireland EU contribution: EUR 50 000

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2017-01-26 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/207940_en.html

 $\ensuremath{\mathbb{C}}$ European Union, 2018







NATAROM

Project ID: 717383

Funded under:

H2020-EU.2.3.1. - Mainstreaming SME support, especially through a dedicated instrument H2020-EU.3.2. - SOCIETAL CHALLENGES - Food security, sustainable agriculture and forestry, marine, maritime and inland water research, and the bioeconomy

New isolation methods for production of natural aroma ingredients

From 2016-03-01 to 2016-08-31, closed project | NATAROM Website

Project details

Total cost:	Topic(s):
EUR 71 429	SFS-08-2015-1 - Resource-efficient eco-innovative food production and
EU contribution:	processing
EUR 50 000	Call for proposal:
Coordinated in:	H2020-SMEINST-1-2015 See other projects for this call
Slovakia	Funding scheme:
	SME-1 - SME instrument phase 1

Objective

For more than 22 years, Axxence Slovakia Ltd. has maintained its focus: entire dedication to be one of the most reliable and innovative sources within its prime field of expertise: NATURAL AROMA INGREDIENTS for the flavour & fragrance compounding industry worldwide. By strategic investments in R&D of novel natural ingredients and new manufacturing processes, Axxence constantly strives to expand the use of their products in existing and new applications as well as markets.

The project will establish a technically validated and economically proven production process of the two natural aroma ingredients: 2,4-decadienal (deep fat flavour) and beta-damascenone (rose-like aroma). The reason for the choice of this topic is our capability to solve the lack of these compounds in the flavour and food markets. In general, flavours play crucial role in two ways: (i) for end users - food manufacturers: they are the starting point for producing food items with "natural" and / or "bio" label which is a strong trend in food industry, and (ii) for final consumers: they are one of the most influential and important criteria to select more healthy and more high-quality product.

Current production methods of the above mentioned flavours are either synthetic or not applicable in large-scale production due to enormous high costs and low concentration levels. However, the demand for aromas in natural form has been increasing in EU/global level due to challenges to replace synthetic products and expensive raw materials. The innovative approach of Axxence can open big commercial potential of expected products. It lies in the application of biotransformation methods and in the use of agro-food residues in agreement with EU Strategy for green growth and EU Circular economy. The expansion of the product portfolio will contribute to continuous sustainable company business growth to maintain 6-8% annual turnover growth.

Related information

Report Summaries

Periodic Reporting for period 1 - NATAROM (New isolation methods for production of natural aroma ingredients)



AXXENCE SLOVAKIA SRO MICKIEWICZOVA 9 811 07 BRATISLAVA Slovakia

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2017-01-19 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/200409_en.html







Mubic

Project ID: 662476

Funded under:

H2020-EU.2.3.1. - Mainstreaming SME support, especially through a dedicated instrument H2020-EU.3.5. - SOCIETAL CHALLENGES - Climate action, Environment, Resource Efficiency and Raw Materials

Mushroom and biogas production in a circular economy

From 2015-04-01 to 2015-09-30, closed project | Mubic Website

Project details

Total cost:	Topic(s):
EUR 71 429	SC5-20-2014-1 - Boosting the potential of small businesses for eco-innovation
EU contribution:	and a sustainable supply of raw materials
EUR 50 000	Call for proposal:
Coordinated in:	H2020-SMEINST-1-2014 See other projects for this call
Denmark	Funding scheme:
	SME-1 - SME instrument phase 1

Objective

Problem

Growing certain biological foods requires a substrate such as straw, wood, chicken litter, horse manure and poultry litter for organisms to grow. Producing substrate today has low energy efficiency, has as a consequence that nutrients are lost, and is labour intensive.

Solution – the innovation

The innovation, a new production method for substrate, enables resources for biogas production and mushroom production to be used in a circular system that recovers energy and nutrients in an ecological and economically sustainable way.

The project

By creating a value circle between biogas production, mushroom production and energy and nutrient recovery it is possible to: • Generate high value growth media that is the basis for high value food production

- Increase the feasibility of mushroom production by using a cheaper and transportable advanced substrate
- Increase the feasibility of biogas production by re-entering the spent mushroom substrate back into biogas production
- Increase energy efficiency from existing 50-55% to 80-85% of biomass in biogas production
- Recover nutrients from biogas production

In phase 1 the purpose is to prepare the construction of test-, pilot- and demonstration plant to be built in phase 2.

Business model

Advanced Substrate Technology (AST) holds the rights to the innovation, which will be licensed to business partner Panbo, who is a leading supplier of production facilities to the mushroom industry.

Market and impact

The global mushroom market is bn10.8€ and growing steady. Production in Europe is declining and rising in China due to lower labour costs. The targeted customers are new production facilities for mushrooms.

The case for mushroom production is particularly compelling. Using the Advanced Substrate Plant enables automation of the very labour intense mushroom production, resulting in a 50% reduction in production costs with a payback time of 2-3 years.

Delated information



Report SummariesPeriodic Reporting for period 1 - Mubic (Mushroom and biogas production in a
circular economy)

Coordinator

ADVANCED SUBSTRATE TECHNOLOGIES AS NIELS PEDERSENS ALLE 2 8830 TJELE Denmark Denmark **EU contribution:** EUR 50 000

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2016-12-08 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/196175_en.html © European Union, 2018







TyRec process

Project ID: 672558

Funded under:

H2020-EU.2.3.1. - Mainstreaming SME support, especially through a dedicated instrument H2020-EU.3.5. - SOCIETAL CHALLENGES - Climate action, Environment, Resource Efficiency and Raw Materials

TyRec process: Whole Tyre Recycling within 30 Minutes with Molten Zinc - towards a circular economy

From 2015-06-01 to 2015-11-30, closed project | TyRec process Website

Project details

Total cost:	Topic(s):
EUR 71 429	SC5-20-2014-1 - Boosting the potential of small businesses for eco-innovation
EU contribution:	and a sustainable supply of raw materials
EUR 50 000	Call for proposal:
Coordinated in:	H2020-SMEINST-1-2014 See other projects for this call
Ireland	Funding scheme:
	SME-1 - SME instrument phase 1

Objective

Composite Recycling Ltd has developed a unique, patented process to recycle tyres using molten zinc. Using molten zinc has a number of advantages over traditional processes:

Economic process as:

Speed of tyre destruction is just 30 minutes rather than 2-4 hours as in traditional rotary kiln processes. No shredding / granulating; whole tyres, savings in capital and operational costs. No scale-up issues: doubling the surface area of the molten material doubles the throughput. Separation: the molten zinc is used to separate the steel and carbon black.

Every year over 1.5 billion tyres are discarded worldwide. Tyres are a composite plastic material and difficult to recycle, but they do contain value in their constituent raw materials such as oil, carbon black, copper and steel.

Because the process utilises existing, proven technologies from low cost industries such as the hot dip galvanising and the carbon black manufacturing industry the technological and hence commercial risk is minimised.

The tyre recycling process was proven to work as intended in collaboration with University College Cork. The next step is to construct a demonstration plant and to proof the recycling of the tyres on this scale providing customers with the confidence of investing into full scale plants.

For all the above waste streams the European and US legislators are increasing the pressure on industry to develop a solution, presenting an opportunity. At the same time a US government report suggests that the US requires up to 200 tyre recycling plants with the European market of similar size as the car ownership is similar.

Related information



COMPOSITE RECYCLING LIMITED THE RUBICON CENTRE CIT CAMPUS BISHOPSTOWN T12 Y275 CORK Ireland Ireland EU contribution: EUR 50 000

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2016-11-29 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/196592_en.html

 $\ensuremath{\mathbb{C}}$ European Union, 2018







SOCRATES

Project ID: 721385

Funded under: H2020-EU.1.3.1. - Fostering new skills by means of excellent initial training of researchers

European Training Network for the sustainable, zero-waste valorisation of (critical) metal containing industrial process residues

From 2016-09-01 to 2020-08-31, ongoing project

Project details

Total cost:	Topic(s):
EUR 3 858 940,08	MSCA-ITN-2016 - Innovative Training Networks
EU contribution:	Call for proposal:
EUR 3 858 940,08	H2020-MSCA-ITN-2016 See other projects for this call
Coordinated in:	Funding scheme:
Belgium	MSCA-ITN-ETN - European Training Networks

Objective

Unlike China, Russia or South Africa, the EU-28 Member States are not in the fortunate position of having vast, easily accessible ore deposits containing valuable metals. However, Europe does have large quantities of secondary industrial residues (tailings, sludges, slags and ashes) that contain sig-nificant concentrations of both critical and economically important metals. The Euro-pean Training Network for the Sustainable, zero-waste valorisation of critical-metal-containing industrial process residues (SOCRATES) targets ground-breaking metallurgical processes, incl. plasma-, bio-, solvo-, electroand ionometallurgy, that can be integrated into environmentally friendly, zero-waste valorisation flow sheets. By unlocking the potential of these secondary raw materials, SOCRATES contributes to a more diversified and sustainable supply chain for critical metals (cf. Priority area 3 in EC Circular Economy Action Plan; COM(2015)614/2). The SOCRATES consortium brings together all the relevant stakeholders along the value chain, from metal extraction, to metal recovery, and to residual matrix valorisation in added-value applications, such as supplementary cementitious materials, inorganic polymers and catalysts. To maximise applicability, SOCRATES has selected four commonly available and chemically complementary residue families: (1) flotation tailings from primary Cu production, (2) Fe-rich sludges from Zn production, (3) fayalitic slags from non-ferrous metallurgy, and (4) bottom ashes from incineration plants. As a basis for a concerted effort to strengthen the EU's criticalmetal supply chain for Ge, In, Ga and Sb, SOCRATES trains 15 early-stage researchers (ESRs) in technological innovation: metal extraction (WP1), metal recovery (WP2), residual matrix valorisation (WP3) and integrated assessment (WP4). By training the ESRs in scientific, technical and soft skills, they are the next generation of highly employable scientists and engineers in the raw-materials sector.

Coordinator

KATHOLIEKE UNIVERSITEIT LEUVEN

Oude Markt 13

3000 LEUVEN

Belgium

Activity type: Higher or Secondary Education Establishments Contact the organisation Belgium EU contribution: EUR 1 002 240



Participants

UNIVERSITY OF LEICESTER UNIVERSITY ROAD LE1 7RH LEICESTER United Kingdom

Activity type: Higher or Secondary Education Establishments Contact the organisation

UNIVERSITEIT UTRECHT HEIDELBERGLAAN 8 3584 CS UTRECHT Netherlands

Activity type: Higher or Secondary Education Establishments Contact the organisation

RHEINISCHE FRIEDRICH-WILHELMS-UNIVERSITAT BONN REGINA PACIS WEG 3 53113 BONN Germany

Activity type: Higher or Secondary Education Establishments Contact the organisation

TECHNISCHE UNIVERSITAET BERGAKADEMIE FREIBERG AKADEMIESTRASSE 6 09599 FREIBERG Germany

Activity type: Higher or Secondary Education Establishments Contact the organisation

OUTOTEC (FINLAND) OY
RAUHALANPUISTO 9
02230 ESPOO
Finland

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

KERNEOS SA IMMEUBLE PACIFIC 11 COURS VALMY PARIS LA DEFENCE 92800 PUTEAUX France

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

United Kingdom EU contribution: EUR 546 575.76

Netherlands

EU contribution: EUR 510 748,56

Germany

EU contribution: EUR 498 432,96

Germany EU contribution: EUR 249 216.48

Finland EU contribution: EUR 538 290,72

France EU contribution: EUR 262 875,60



METALLO-CHIMIQUE N.V. NIEUWE DREEF 33 2340 BEERSE Belgium

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Partner organisations

Teknologian tutkimuskeskus VTT	Finland
Оу	
VUORIMIEHENTIE 3	
02150 Espoo	
Finland	
Activity type: Research Organisations	
Contact the organisation	
AALTO-KORKEAKOULUSAATIO	Finland
OTAKAARI 1	
02150 ESPOO	
Finland	
Activity type: Higher or Secondary Education Establishments	
Contact the organisation	
Boliden Kokkola	Finland
Оу	
Outokummuntie 8	
67101 Kokkola	
Finland	
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)	
Contact the organisation	
UMICORE	Belgium
RUE DU MARAIS 31	C C
1000 BRUXELLES	

Belgium

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation



AVR-Afvalverwerking B.V. Professor Gerbrandyweg 10

3197KK Botlek-Rotterdam Netherlands

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2016-11-21 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/205514_en.html







COCORO

Project ID: 745214

Funded under:

H2020-EU.2.3.1. - Mainstreaming SME support, especially through a dedicated instrument H2020-EU.3.5. - SOCIETAL CHALLENGES - Climate action, Environment, Resource Efficiency and Raw Materials

Cocoro Advanced Lingerie, the ultimate reusable absorbent underwear

From 2016-12-01 to 2017-04-30, closed project | COCORO Website

Project details

Total cost:	Topic(s):
EUR 71 429	SMEInst-11-2016-2017 - Boosting the potential of small businesses in the areas
EU contribution:	of climate action, environment, resource efficiency and raw materials
EUR 50 000	Call for proposal:
Coordinated in:	H2020-SMEINST-1-2016-2017 See other projects for this call
Spain	Funding scheme:
	SME-1 - SME instrument phase 1

Objective

Disposable menstrual products represent around 1M of the 3B tons of waste produced in the EU every year. Mostly composed by highly pollutant plastics, they have a huge impact on the environment. The pollution and greenhouse gas emissions they cause contribute to climate change, as well as material loss – a significant problem in the EU, which is highly dependent on imported raw materials. Moving towards a circular economy is an urgent need for the feminine hygiene industry to contribute to the competitiveness of the EU economy.

Only two new companies in the US and Australia have recently started selling absorbent underwear as an alternative to pads. Yet, they cannot fully compete with pads given their insufficient absorption capacity and practicality. These products are also very expensive to get in Asian and European markets, which are the largest pads markets.

Femmefleur has developed the ultimate alternative to disposable external menstrual hygiene management (MHM) products: a highly absorbent, breathable, practical and comfortable reusable underwear. Cocoro Advanced Lingerie uses a combination of cotton and polyester treated with an innovative technology that absorbs corporal fluids like menstruation or slight urine loss, satisfying women's needs in MHM and beyond.

Its unique features are highly competitive as our disruptive technology and design guarantee a cost-effective and ecological solution for MHM. Increasing their absorption capacity, these panties can be commercialized in other market segments such as urine incontinence or maternity. This translates into a high-potential users group, as only in the EU it represents around 190M people.

The successful results gathered together with the huge business opportunity ahead allow us to establish two main goals for this SME Inst. phase 1: to finalise a techno-economic assessment of the polyester fabric technology and to corroborate the feasibility of the developed commercial strategy for the MHM market.

Related information

Report Summaries

Periodic Reporting for period 1 - COCORO (Cocoro Advanced Lingerie, the ultimate reusable absorbent underwear)



FEMMEFLEUR SCCL VALLIRANA 49 1r 08006 BARCELONA Spain

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2016-11-17 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/206539_en.html © European Union, 2018 Spain **EU contribution:** EUR 50 000







WHEY2VALUE

Project ID: 663742

Funded under:

H2020-EU.2.3.1. - Mainstreaming SME support, especially through a dedicated instrument H2020-EU.3.5. - SOCIETAL CHALLENGES - Climate action, Environment, Resource Efficiency and Raw Materials

Whey2Value: valorising waste whey into high-value products

From 2015-02-01 to 2015-05-31, closed project

Project details

Total cost:	Topic(s):
EUR 71 429	SC5-20-2014-1 - Boosting the potential of small businesses for eco-innovation
EU contribution:	and a sustainable supply of raw materials
EUR 50 000	Call for proposal:
Coordinated in:	H2020-SMEINST-1-2014 See other projects for this call
Slovenia	Funding scheme:
	SME-1 - SME instrument phase 1

Objective

ACIES BIO has developed an innovative and disruptive high-value technology to address a major economical and environmental challenge of the world's dairy industry: waste whey. Over 200 million tons of whey is generated annually, and only limited economical solutions exist to process it. The innovative patent pending technology Whey2Value uses a unique bioprocess to utilize whey as a primary ingredient for microbial fermentation to produce sustainable high-value products, such as vitamin B12. The technology greatly reduces the negative impact on the environment by almost eliminating the organic content of the wastewater, allowing for its recycling, while the product of the technology is a protein-rich biomass with high content of vitamin B12 to be used as a very high quality animal feed to complete the dairy industry's circle. The innovation W2V is perfect example of how circular economy should work. The Whey2Value technology requires a very low-cost processing facility, which can be installed on site, and minimal maintenance costs. It represents a truly unique opportunity to create a huge and disruptive impact on dairy industry, particularly for the competitiveness of small and medium sized European dairy companies, generating high-value products from waste material, and at the same time creating a sustainable solution with a greatly reduced burden to the environment. The objective of this project proposal is to prepare a thorough business plan and feasibility study in the scope of Phase 1, followed by scaling-up and demonstration of operational technology in industrial setting with a local dairy company in the scope of Phase 2. The technology is ready for industrial demonstration, which will be followed by EU and global commercialization of Whey2Value. We expect a rapid worldwide market adoption of this disruptive eco-biotechnology.



ACIES BIO BIOTEHNOLOSKE RAZISKAVE IN RAZVOJ DOO TEHNOLOSKI PARK 21 1000 LJUBLJANA Slovenia

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2016-10-21 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/196278_en.html







PigHeat

Project ID: 738874 Funded under: H2020-EU.2.1.1. - INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies - Information and Communication Technologies (ICT) H2020-EU.2.3.1. - Mainstreaming SME support, especially through a dedicated instrument H2020-EU.3.3. - SOCIETAL CHALLENGES - Secure, clean and efficient energy

Utilizing Pig By-products as Heat Source to Save Recycling and Energy Cost.

From 2016-11-01 to 2018-08-31, ongoing project | PigHeat Website

Project details

Total cost:	Topic(s):
EUR 1 984 566,25	SMEInst-09-2016-2017 - Stimulating the innovation potential of SMEs for a low
EU contribution:	carbon and efficient energy system
EUR 1 389 196,38	Call for proposal:
Coordinated in:	H2020-SMEINST-2-2016-2017 See other projects for this call
Spain	Funding scheme:
	SME-2 - SME instrument phase 2

Objective

BIGAS ALSINA, a family owned company specialized on machinery manufacturing for the Food sector, aims to commercialize PigHeat, a novel technology that allows processing pig fur and pig roughing.

Right now, pig fur and roughing are simply dried in order to reduce weight and volume, and used as fertilizer in landfills. In other words, pig meat processing means that there is a waste that actually needs to be disposed of, which is the least desirable effect of waste. Not only does pig meat processing incur waste disposal, it also implies an important investment in energy to remove water as well as removal cost. This cost is directly paid by the slaughterhouse.

Through the proposed PigHeat processes, pig fur and roughing can be used as an alternative source of fuel that creates steam and service water instead of using gas, diesel or electricity. The meat processing industry consumes high amounts of energy. By using pig fur and roughing as fuel, an environmental waste problem is transformed into an important way to save 15% of heating energy, while promoting waste valorization and a circular economy within the sector.

This is achieved in 4-steps: i) homogenization, ii) hydrolysis, iii) drying and iv) combustion. The obtained product is a Co2 neutral biomass with exceptionally high heating value (even higher than wood pellets) that can be used in the daily operations of the same installation.

Due to the stringent waste regulations, the 1,700 medium sized slaughterhouses in Europe are looking for a solution. Not only that, they are operating on very low margins and PigHeat will allow them to cut energy expenses, thereby increasing profits. Buying PigHeat implies certain costs for slaughterhouses, however the savings will fully have paid for the machinery in less than two years. Offering attractive payment modules, our innovative solution is likely to conquer the market swiftly.

Related information

Report Summaries

Periodic Reporting for period 1 - PigHeat (Utilizing Pig By-products as Heat Source to Save Recycling and Energy Cost.)



BIGAS ALSINA SOCIEDAD ANONIMA DISSEMINAT PONT MAJOR 21 17007 GIRONA Spain

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2016-10-03 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/205883_en.html







HORTAPPET

Project ID: 736445

Funded under:

H2020-EU.2.3.1. - Mainstreaming SME support, especially through a dedicated instrument H2020-EU.3.5. - SOCIETAL CHALLENGES - Climate action, Environment, Resource Efficiency and Raw Materials

RECOVERY OF DISCHARGED FRACTIONS OF PET RECYCLING PROCESS

From 2016-08-01 to 2016-11-30, closed project

Project details

Total cost:	Topic(s):
EUR 71 429	SMEInst-11-2016-2017 - Boosting the potential of small businesses in the areas
EU contribution:	of climate action, environment, resource efficiency and raw materials
EUR 50 000	Call for proposal:
Coordinated in:	H2020-SMEINST-1-2016-2017 See other projects for this call
Italy	Funding scheme:
	SME-1 - SME instrument phase 1

Objective

PETRA POLIMERI s.r.l. was born in 2000 to develop its activities in the field of Polyethylene terephthalate selection and recycling, mainly for food applications, transforming 15,000 tonnes/year. We have developed an innovative technology able to recover the secondary fractions of PET recycling, 15 % of the recycled product, which up to now have been no recyclable and send to incineration or landfill. We have designed a multilayered R-PET sheet structure, HORTAPPET, having the outer layers made with a co-polyester with a glass transition greater than 95 °C, and a central layer of R-PET (secondary fractions) thermoplastic material. HORTAPPET achieves a heat resistance up to 80 °C, a reduction in its fragility, a notable transparence, and a lack of contaminants, what helps it to be 100% recyclable itself. Our product will be commercialized at a price 20% cheaper than other conventional solutions. This new business opportunity is expected to reach about 7,5 MLN € after 5 years of commercialization. The payback of the expected investment of this project, 1,2 MLN €, will be reached during the 3rd year. This innovative product is aimed to be sold in the horticultural market, and final users are mainly growers and greenhouse managers. Our main commercial barrier will be to gain presence in the international horticultural market as this is a new sector for us. In order to overcome this barrier, promotional activities will be essential. Our project is in line with the circular economy as it promotes the efficient use and recycling of the off grade fractions of R-PET promoting the development of new market applications. HORTAPPET is the best option for horticultural applications because it has better mechanical and visual properties than R-PS and R-PP. Besides, it is cheaper due to the fact that it is made of discharged fractions of PET recycling process. R-PET couldn't be used in this field due to its high price and its low heat resistance.

Related information

Report Summaries

Periodic Reporting for period 1 - HORTAPPET (RECOVERY OF DISCHARGED FRACTIONS OF PET RECYCLING PROCESS)



PETRA POLIMERI SRL VIA GIOVANNI FINATI 11 CASSANA 44124 FERRARA FE Italy

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2016-08-01 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/205151_en.html







MobileRecycle

Project ID: 735012

Funded under:

H2020-EU.2.3.1. - Mainstreaming SME support, especially through a dedicated instrument H2020-EU.3.5. - SOCIETAL CHALLENGES - Climate action, Environment, Resource Efficiency and Raw Materials

Green mobile recycling technology for dirty (none-recyclable) plastic waste

From 2016-08-01 to 2017-01-31, closed project | MobileRecycle Website

Project details

Total cost:	Topic(s):
EUR 71 429	SMEInst-11-2016-2017 - Boosting the potential of small businesses in the areas
EU contribution:	of climate action, environment, resource efficiency and raw materials
EUR 50 000	Call for proposal:
Coordinated in:	H2020-SMEINST-1-2016-2017 See other projects for this call
Slovakia	Funding scheme:
	SME-1 - SME instrument phase 1

Objective

The plastic waste is a serious problem for all over the world due its non-biodegradable character. Global problem of the plastic waste is in its limited recycling. On average, Europe produces 25, 2 million tonnes of plastic waste every year. 37% of the plastic waste ends up in landfills, 25% is recycled and 15% is composted. Only 23% is used for energy production. European economy thus loses a significant amount of potential 'secondary raw materials' among which plastic plays a significant part. The Leitner will introduce to the market a green method of recycling dirty plastic waste applicable on a global level and the result of the recycling is alternative fuel (oil and gas). The equipment recycles dirty plastic waste by thermal depolymerisation, thus recasting it into ecological oil and process gas with immediate further multi-purpose usage. Leitner is a mobile technology, suitable also for small operations optimally processing 1 thousand tonnes of dirty plastic waste per day. The applicant has produced prototypes of the green technology and has tested them now in industrially relevant environment (real operation).

The equipment weight is 2,500 kg, forming a container assembly (dimensions: 8m x 3m x 3m), which can be easily connected/disconnected. The existing prototype produces 1 litre of oil from each kilogram of dirty plastic waste. For the production of 1 litre of an ecological oil, the technology requires 1 kWh energy.

The project intention is in line with EU endeavours to support SMEs in areas addressing the climate action, environment, green growth potential and raw material challenge. The project is also in line with 2016-2017 strategic priorities of systemic eco-innovation and circular economy, nature-based solutions and sustainable supply of (secondary) raw materials.

Related information

Report Summaries

Periodic Reporting for period 1 - MobileRecycle (Green mobile recycling technology for dirty (none-recyclable) plastic waste)



LEITNER TECHNOLOGIES SRO MAROTHYHO 6 811 06 BRATISLAVA Slovakia

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2016-07-18 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/205046_en.html







LOOWATT

Project ID: 728177

Funded under:

H2020-EU.2.3.1. - Mainstreaming SME support, especially through a dedicated instrument H2020-EU.3.5. - SOCIETAL CHALLENGES - Climate action, Environment, Resource Efficiency and Raw Materials

European Expansion for Circular Economy Off-Grid Toilets

From 2016-06-01 to 2016-11-30, closed project

Project details

Total cost:	Topic(s):
EUR 71 429	SMEInst-11-2016-2017 - Boosting the potential of small businesses in the areas
EU contribution:	of climate action, environment, resource efficiency and raw materials
EUR 50 000	Call for proposal:
Coordinated in:	H2020-SMEINST-1-2016-2017 See other projects for this call
United Kingdom	Funding scheme:
	SME-1 - SME instrument phase 1

Objective

Loowatt's objective is to develop a validated growth model for our innovative toilet system, and to bring Loowatt technology into continental European markets. The EU toilet hire market is worth £3bn/year and serves 2bn people annually, but relies on inefficient 1970s technologies. Loowatt has developed a toilet system that is waterless, chemical free and generates energy, and has been demonstrated at UK events. The patented Loowatt toilet uses biodegradable polymer film and a sealing system to contain waste. The polymer film and waste are then transported to energy-generating Anaerobic Digestion systems in existing Wastewater Treatment utility infrastructure or small-scale onsite systems.

The events industry unlocks a business opportunity for Loowatt that could be worth $\sim \in 2m$ in revenue p.a. by 2017 and $\sim \notin 20m$ revenue p.a. by 2020. Loowatt hopes to expand into Continental European Markets through joint venture models with European toilet service providers, reaching 5.2 million EU customers by 2020. Having achieved traction in Events market, Loowatt will build traction in the Construction and Humanitarian Response sectors.

Loowatt's goals align with the European need for innovative technologies to assure environmental sustainability, maintain people's well-being, and remain competitive in a changing world.

Related information

Report Summaries

Periodic Reporting for period 1 - LOOWATT (European Expansion for Circular Economy Off-Grid Toilets)



LOOWATT LTD 74A JOSEPHINE AVENUE SW2 2LA LONDON United Kingdom

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2016-05-11 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/204361_en.html







AUTOREVAL

Project ID: 717514

Funded under: H2020-EU.2.3.1. - Mainstreaming SME support, especially through a dedicated instrument H2020-EU.3.4. - SOCIETAL CHALLENGES - Smart, Green And Integrated Transport

Automotive Residue Valorization

From 2016-02-01 to 2016-05-31, closed project

Project details

Total cost:	Topic(s):
EUR 71 429	IT-1-2015-1 - Small business innovation research for Transport
EU contribution:	Call for proposal:
EUR 50 000	H2020-SMEINST-1-2015 See other projects for this call
Coordinated in:	Funding scheme:
Italy	SME-1 - SME instrument phase 1

Objective

In order to reduce the environmental impact of waste produced by the Transport sector, the Directive ELV (End Life Vehicles) require an integrated approach that involves all the main players of the automotive chain. Within the transport sector particular attention is devoted to the life cycle of vehicles, including their disposal, that must reach well defined recovery targets. Critical issues remain unresolved, in particular the disposal of some car residues which still end up in landfill and in addition it is required a more efficient recovery of used tires.

With our project we will develop and sell a new kind of innovative industrial plant, which will be able to process and convert ASR (Automotive Shredder Residue or car fluff) and ELT (End of Life Tyres) rubber, into fuel products, reducing the environmental impact and making more efficient the entire automotive sector.

Our ambition is the total elimination of landfill disposal, as regard car-fluff, with the related environmental impact and transportation costs.

The main advantages our invention will provide are: absence of emission of dangerous substances during the process, capability to convert 100% of a payload made of ASR or ELT (End of Life Tyres) rubber into fuels (with a small % of residual water), high reduction for the need of landfill disposal. Materials transformed into fuels will be used as energy source by the players of the sector, contributing in this way to the development of a circular economy that embraces the whole vehicles life. Our goal is to produce and sell about 20 plants in 5 years. If we reach this target we will recycle 480.000 tons/y of car fluff and used tires rubber, increasing the percentage of recyclability of cars from the current 75% to 80% in Europe.

Related information

Report Summaries

Periodic Reporting for period 1 - AUTOREVAL (Automotive Residue Valorization)



IRLE SRL VIA ROMANINO, 16 25122 BRESCIA Italy

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2016-03-18 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/201710_en.html







ССР

Project ID: 719057

Funded under:

H2020-EU.2.3.1. - Mainstreaming SME support, especially through a dedicated instrument H2020-EU.3.5. - SOCIETAL CHALLENGES - Climate action, Environment, Resource Efficiency and Raw Materials

Feasibility assessment on sustainable bulk products, made from coconut fibers

From 2016-03-01 to 2016-07-31, closed project | CCP Website

Project details

Total cost:	Topic(s):
EUR 71 429	SC5-20-2015-1 - Boosting the potential of small businesses for eco-innovation
EU contribution:	and a sustainable supply of raw materials
EUR 50 000	Call for proposal:
Coordinated in:	H2020-SMEINST-1-2015 See other projects for this call
Netherlands	Funding scheme:
	SME-1 - SME instrument phase 1

Objective

In the worldwide transport sector, there is a huge demand for (mainly wooden) pallets. Although these pallets meet their functional requirements, they have an enormous effect on the environment, by leading to deforestation, extra transport costs for wood import, and energy and chemical usage in certification.

The goal of the CCP project is to use a resource that is currently considered waste, as the basis for a sustainable, organic pallet, thereby also contributing to a circular economy. The resource is husk from coconuts, hence the project name: CoCoPallet. With a worldwide production of over 62 billion coconuts, there is more than enough material available. In cooperation with the Wageningen University and Research Centre, an innovative and revolutionary production process where both a fiber and resin (lignin) are sourced from the same material (the husk) has been found, to produce the pallets, by pressing the material into 2D and 3D shapes. By using the waste of the coconuts, a health risk is also minimized, as the current coconut husk waste ends up in the sea or on landfills. In the latter, it is a hotbed for malaria mosquitos and thus a large regional biohazard.

Specific objectives in this CoCoPallet H2020-SMEINST Phase 1 study proposal are:

- Explore at least 5 (up to 10) promising business cases and value chains for a variety of applications for pressed coconut fiber material, including transport pallets.
- Evaluate the required specifications and characteristics of these applications with potential customers.
- Elaborate on a detailed business plan.

By sourcing locally, transport costs for the material are also reduced dramatically. The company already has contact with local suppliers and organizations, as a first step to get to know the market better and scale up its business.

Related information

Report Summaries

Periodic Reporting for period 1 - CCP (Feasibility assessment on sustainable bulk products, made from coconut fibers)



COCOPEOPLE BV LIENDENHOF 12 1108 GX AMSTERDAM Netherlands

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2016-02-29 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/201766_en.html © European Union, 2018

Netherlands EU contribution: EUR 50 000







ECO STOCK

Project ID: 718316

Funded under:

H2020-EU.2.3.1. - Mainstreaming SME support, especially through a dedicated instrument H2020-EU.3.5. - SOCIETAL CHALLENGES - Climate action, Environment, Resource Efficiency and Raw Materials

THE NEW ENVIRONMENTAL ENERGY STORAGE

From 2016-02-01 to 2016-07-31, closed project

Project details

Total cost:	Topic(s):
EUR 71 429	SC5-20-2015-1 - Boosting the potential of small businesses for eco-innovation
EU contribution:	and a sustainable supply of raw materials
EUR 50 000	Call for proposal:
Coordinated in:	H2020-SMEINST-1-2015 See other projects for this call
France	Funding scheme:
	SME-1 - SME instrument phase 1

Objective

Eco-Tech Ceram (ETC), a young company founded in 2014, is specialized in thermal storage, energetic efficiency, industrial wastes recovery high valuation and advanced materials characterization.

With their new technology, ECO STOCK, ETC aims to develop new eco-efficient, transportable and modular thermal storage solutions.

The first step is to collect industrial wastes, such as coal fly ashes, and transform them into refractory ceramic. This exploitation of industrial waste induces a reduction in the exploitation of raw materials, while producing an eco-efficient material providing effective heat storage.

Subsequently, the second challenge of the ECO STOCK project is to use those ceramics, composed of industrial wastes, in order to develop a thermal energy storage unit (TESU) solution. This solution proposes a modular, plug&play and transportable unit capable of valuing industries' loss heat and power, creating in the same time a reduction in energy costs. Indeed, using those inorganic secondary raw materials, transformed into refractory ceramic, it has the advantage to propose a low cost storage material and exploit the "below 1000°C temperatures" recycling market.

To summarize, the company proposes the whole value chain, from the material recovery to the commercialization of the storage installations, through unit storage manufacturing.

Therefore, the company has the objective to create a green circular economy, using this whole value chain, in order to counteract the worldwide energy crisis and ecological threat.

Related information

Report Summaries

Periodic Reporting for period 1 - ECO STOCK (THE NEW ENVIRONMENTAL ENERGY STORAGE)



ECO-TECH CERAM RAMBLA DE LA THERMODYNAMIQUE 66100 PERPIGNAN France

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2016-02-29 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/201740_en.html



Selection of H2020 funded Projects on Circular Economy (4)

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ECODETERGENT

Project ID: 717718

Funded under:

H2020-EU.2.3.1. - Mainstreaming SME support, especially through a dedicated instrument H2020-EU.3.6. - SOCIETAL CHALLENGES - Europe In A Changing World - Inclusive, Innovative And Reflective Societies

CUSTOM-MADE INSTANT LIQUID DETERGENT PREPARING MACHINE IN SITU. (MIX-UP)

From 2016-03-01 to 2016-08-31, closed project | ECODETERGENT Website

Project details

Total cost:	Topic(s):
EUR 71 429	INSO-10-2015-1 - SME business model innovation
EU contribution:	Call for proposal:
EUR 50 000	H2020-SMEINST-1-2015 See other projects for this call
Coordinated in:	Funding scheme:
Turkey	SME-1 - SME instrument phase 1

Objective

Our object is to introduce resource efficiency solutions in the liquid detergent industry to minimize wasted efforts and expenses in producing and selling processes. Instead of sending end products, waterless dilute-ready form detergents will be forwarded to retail points and mini machines will instantly dilute, pack and serve customized end products to consumers directly at retail points. Expected outcomes of this project are economic competitiveness among global detergent players, easy access to remote markets, offering higher profit to retailers, delivering sustainable environment solutions, lower cost per wash and customized product offerings to end users. This promising project will be impactful in 3 dimensions: (1) natural environment and circular economy will benefit from our greener and more sustainable products and production processes, (2) individual consumers will have access to safer, more effective, more convenient, customized and still less expensive detergents, and (3) retailers will be able to provide their customers with individualized detergent solutions in a reliable, fast, efficient and appealing way with lower operational expenses. Emerging companies with leading advancements in terms of innovative formulations and sustainability technologies would be impacting fabric and home care industry. Every €1 spent on sanitation brings a €5 social return by keeping people healthy. Every €1 invested in eco-innovation brings €20 commercial return by leveraging brands' market reception. In short, being supportive to our initial studies and draft plans, above facts show that it is both societally and commercially worth to invest in this innovation project. So the question is how to best tap into this opportunity rather than whether or not to pursue it. And the answer requires a robust feasibility and a comprehensive business plan, which we intend to accomplish via SME Instrument Phase 1 support.

Related information

Report Summaries

Periodic Reporting for period 1 - ECODETERGENT (CUSTOM-MADE INSTANT LIQUID DETERGENT PREPARING MACHINE IN SITU. (MIX-UP))


YDR TEKNOLOJI GELISTIRME LIMITED SIRKETI IKITELLI ORGANIZE SANAYI MAHALLESI YTU IKITELLI TEKNOPARK SOKAK NO 1/111 BASAKSEHIR 34306 ISTANBUL Turkey

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2016-02-17 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/200411_en.html © European Union, 2018



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EU contribution: EUR 50 000
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Turkey







EBBR

Project ID: 673683

Funded under:

H2020-EU.2.3.1. - Mainstreaming SME support, especially through a dedicated instrument H2020-EU.3.5. - SOCIETAL CHALLENGES - Climate action, Environment, Resource Efficiency and Raw Materials

Commercialisation of expanded bed biofilm reactor technology for the treatment of waste-, used- or contaminated-water and for improved protection of the aquatic environment and atmosphere.

From 2015-05-01 to 2015-10-31, closed project | EBBR Website

Project details

Total cost:	Topic(s):
EUR 71 429	SC5-20-2014-1 - Boosting the potential of small businesses for eco-innovation
EU contribution:	and a sustainable supply of raw materials
EUR 50 000	Call for proposal:
Coordinated in:	H2020-SMEINST-1-2014 See other projects for this call
United Kingdom	Funding scheme:
	SME-1 - SME instrument phase 1

Objective

ABD will aid transition to a resource efficient, circular economy via wide use of its disruptive, bioprocess intensification technology. This technology will cut business costs and help the EU exit economic crisis through job creation and exports. ABD's first process is nitrification of used water, part of a ≤ 4.8 bn global market that we will access. We have developed a full-scale prototype package plant (TRL7) for tertiary nitrification with a UK licensee and have a second UK licensee for landfill leachate. Phase 1 funding is required to evaluate other European markets, identify additional licensees and potential end-users, and revise plans to obtain risk finance for business development. Phase 2 will develop a European network of licensees and end-users and build commercial prototypes (TRL9) for validation across Europe under different regional and climatic conditions, before exporting globally and developing new products.

Our expanded bed biofilm reactor (EBBR) technology has patent protection and can be used for purification of raw or used water, fermentation or biocatalysis. Patents cover a superior biomass support material (ABDite®), and design features to maximise process efficiency, and minimise energy consumption and footprint. Use of novel, counter-current aeration and nitrogen-depleted air results in highly efficient oxygen transfer and minimal emission of greenhouse gases (methane and nitrous oxide) from used water. An independent consultant has calculated that our capex and opex is 63% and footprint 70% compared to two, market-leading, nitrification technologies.

The motivation for our nitrification process is to generate income by reversing pollution of the aquatic environment and atmosphere, through oxidising ammonia in used water and minimising the emission of greenhouse gases. Our process will help compliance with the Water Framework Directive in the EU and with the Kyoto Protocol globally, as well as helping to meet UN Millennium Development Goals.

Related information

Report Summaries

Periodic Reporting for period 1 - EBBR (Commercialisation of expanded bed biofilm reactor technology for the treatment of waste-, used- or contaminated-



ADVANCED BIOPROCESS DEVELOPMENT LIMITED United Kingdom
ALL SAINTS BUILDING, LEGAL DEPT MANCHESTER METROPOLITAN UNIVERSITY ALL SAINTS
EU contribution: EUR 50 000
M15 6BH MANCHESTER
United Kingdom

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2016-02-11 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/196536_en.html © European Union, 2018







STEELANOL

Project ID: 656437

Funded under: H2020-EU.3.3.3.1. - Make bio-energy more competitive and

sustainable

Production of sustainable, advanced bio-ethANOL through an innovative gasfermentation process using exhaust gases emitted in the STEEL industry

From 2015-05-01 to 2018-10-31, ongoing project | STEELANOL Website

Project details		
Total cost:	Topic(s):	
EUR 14 560 736,75	LCE-12-2014 - Demonstrating advanced biofuel technologies	
EU contribution:	Call for proposal:	
EUR 10 192 515,73	H2020-LCE-2014-2 See other projects for this call	
Coordinated in:	Funding scheme:	
Belgium	IA - Innovation action	

Objective

The proposed STEELANOL project is based on producing bioethanol via an innovative gas fermentation process using exhaust gases emitted by the steel industry. The proposal addresses the specific topic "Demonstrating advanced biofuel technologies" (LCE-12- 2014), under the call for competitive low-carbon energy in Horizon2020.

The BF/BOF gaseous emissions are an unavoidable residue from the steelmaking process and are currently used for electricity production or being flared. Nevertheless, they can be advantageously used to produce bioethanol, thereby reducing the usage of fossil fuel molecules and thus significantly reducing GHG emissions. The bio-ethanol production would have a GHG impact that is over 65% lower compared to oil derived fuels STEELANOL's main objective is to demonstrate the cost-effective production of sustainable bioethanol, with the purpose of assessing the valorisation of this ethanol biofuel as a fuel derivative for the transport sector. A demonstration plant of approximately 25,000 tons/ethanol per year will be built; the first of its kind in Europe, and the largest facility built to date utilizing this technology globally. ArcelorMittal is the lead partner of this project and proposal. The gas fermentation technology will be supplied by LanzaTech, the engineering work will be performed by Primetals, and E4Tech will develop the Life Cycle Assessment of the produced fuels. Several key players in the transport sector, Boeing, Virgin Atlantic, Mitsui, have expressed their strong interest and support for the project.

Related information

Report Summaries

Periodic Reporting for period 2 - STEELANOL (Production of sustainable, advanced bio-ethANOL through an innovative gas-fermentation process using exhaust gases emitted in the STEEL industry)



ARCELORMITTAL BELGIUM NV KEIZERINLAAN 66 1000 BRUSSEL Belgium

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Participants

ARCELORMITTAL MAIZIERES RESEARCH SA RUE ANDRE CAMPRA 6 IMMEUBLE LE CEZANNE 93200 SAINT DENIS France

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

PRIMETALS TECHNOLOGIES AUSTRIA GMBH TURMSTRASSE 44 4031 LINZ Austria

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

LANZATECH UK LTD HORNDEAN ROAD FOREST HOUSE 3 5 RG12 0XQ BRACKNELL United Kingdom

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

E4TECH (UK) LTD VICTORIA STREET 83 SW1H 0HW LONDON United Kingdom United Kingdom EU contribution: EUR 78 704,50

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2016-01-20 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/195267_en.html © European Union, 2018



Belgium
EU contribution: EUR 6 615 000

France EU contribution: EUR 198 590

Austria **EU contribution:** EUR 2 170 962,50

United Kingdom EU contribution: EUR 1 129 258,73







p-DRIVE

Project ID: 710163

Funded under: H2020-EU.2.3.1. - Mainstreaming SME support, especially through a dedicated instrument H2020-EU.3.4. - SOCIETAL CHALLENGES - Smart, Green And Integrated Transport

Pyrolysis of Derived Residues of waste, providing Improved gas for Vehicle Engines

From 2015-12-01 to 2016-02-29, closed project | p-DRIVE Website

Project details

Total cost:	Topic(s):
EUR 71 429	IT-1-2015-1 - Small business innovation research for Transport
EU contribution:	Call for proposal:
EUR 50 000	H2020-SMEINST-1-2015 See other projects for this call
Coordinated in:	Funding scheme:
United Kingdom	SME-1 - SME instrument phase 1

Objective

Europe needs to import a half of the gas consumed, with the associated economic and geopolitical costs that it means. In the last years non-conventional gas sources have been developed. It is necessary to bet for new sources which are sustainable, as those based in biomass. The announcement made by the G7 Group at the Summit of June 2015 of phasing out fossil fuels by the end of the century is aligned with the European frameworks for 2020, 2030 and 2050.

Also, waste management is an important issue, since around 485 kgs of waste are generated yearly per person in the EU, and Landfill and Waste Framework Directives have defined the reduction of landfilled waste.

OSPRE Ltd is an SME from UK, composed of staff highly qualified in finance, chemistry and engineering. OSPRE is building a pilot plant in the UK based in a new EnergyFromWaste technology to transform municipal and commercial&industrial waste into a gas rich in methane (50-60%), which will be partly used for electricity generation. With this project OSPRE will complement the capabilities by developing Upgrade and Compression stages in order to generate Compressed Biomethane for vehicles engines. The technology, based in pyrolysis, processes 2.5 tonnes of waste per hour into 430 Nm3 of methane at a single 24 m2 module, (up to 4 times faster than Gasification and Anaerobic Digestion, which need thousands of m2). The Compressed Biomethane will be used as a fuel for the transport sector. Using waste as feedstock and generating gas at such a high rate make viable to propose Circular Economy business models, processing municipal waste of a given town and powering its public services vehicles with gas.

OSPRE will commercialize this innovation. P-DRIVE will add a high value by allowing plants to be used for gas generation or mixed use, in addition to electricity. The payback period for a £2.4M investment is two years and after five years 12 plants will be running providing more than £86M of gross benefit.

Related information

Report Summaries

Periodic Reporting for period 1 - p-DRIVE (Pyrolysis of Derived Residues of waste, providing Improved gas for Vehicle Engines)



OSPRE LIMITED 55 PRINCES GATE EXHIBITION ROAD SW7 2PN LONDON United Kingdom United Kingdom **EU contribution:** EUR 50 000

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2015-12-01 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/199293_en.html © European Union, 2018







PresConfLuxDec

Project ID: 712710

Funded under:

H2020-EU.3.5. - SOCIETAL CHALLENGES - Climate action, Environment, Resource Efficiency and Raw Materials

Innovative Enterprise Conference on Circular Economy and Access to Risk Finance

From 2015-10-19 to 2016-02-18, closed project | PresConfLuxDec Website

Project details

Total cost:	Topic(s):
EUR 226 810	Environment - Environment
EU contribution:	Call for proposal:
EUR 192 368	H2020-Adhoc-2014-20 See other projects for this call
Coordinated in:	Funding scheme:
France	CSA - Coordination and support action

Objective

The conference will address the challenges and opportunities for the finance sector when funding the circular economy and the transition from the linear to the circular economy. The conference is organized in the framework the Luxembourg Presidency of the Council of the European Union and of a partnership between the Grand-Duchy of Luxembourg and the European Investment Bank (EIB) in the framework of the InnovFin Advisory program of the European Commission. The resulting report will be presented at the conference and its findings will be discussed.

The conference will allow the participants (banks, funds and all actors from the finance sector as well as public authorities, at a national and European level, responsible for the design and the implementation of state aid and support tools) to exchange best practices and know how on how to finance the circular economy while benefiting from the findings of the EIB report. The know-how developed by the finance sector will be an important support to companies implementing circular economy principals.

This Luxemburg Presidency Innovative Enterprise Conference in December 2015 is of high Political priority and particularly timely as the circular economy package will be published on the 2nd of December 2015. The Conference will also allow giving to the Luxemburg Presidency a high visibility on its contribution to this major phase of President Juncker Plan. The conference will address such topics as the political response to the macroeconomic situation, ways to boost growth, jobs

and competitiveness through innovation, how thefinancial instruments, facilities and accompanying measures launched under Horizon 2020 can enhance access to finance for research, innovation and SMEs and also interactions between these financial instruments, COSME's and European Structural & Investment Funds (ESIF), as well as with instruments at national and local levels.

Related information

Report Summaries

Periodic Reporting for period 1 - PresConfLuxDec (Innovative Enterprise Conference on Circular Economy and Access to Risk Finance)



TEAM WORK RUE DU DAHOMEY 8 75011 PARIS France

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2015-11-23 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/199235_en.html © European Union, 2018







Pathogens detection

Project ID: 663649

Funded under:

H2020-EU.2.3.1. - Mainstreaming SME support, especially through a dedicated instrument H2020-EU.3.2. - SOCIETAL CHALLENGES - Food security, sustainable agriculture and forestry, marine, maritime and inland water research, and the bioeconomy

Antibiotics reduction with early mastitis pathogens detection for @ point of animal care usages

From 2015-03-01 to 2015-08-31, closed project | Pathogens detection Website

Project details

Topic(s):
FS-08-2014-1 - Resource-efficient eco-innovative food production and
processing
Call for proposal:
12020-SMEINST-1-2014See other projects for this call
Funding scheme:
SME-1 - SME instrument phase 1

Objective

Blue4Green will develop a portable sample handling/sensing system for DNA and/or RNA fragments. The input to such a system is a raw sample of milk, containing the bacteria to be analysed that causes mastitis. Most of the time treatment starts without knowing the responsible pathogen. Often, the wrong (or not most optimal) antibiotic is used as treatment. When therapy fails, new mastitis incidences and prevalence's are rising. To test, at this moment farmers collect their samples in testing tubes. These tubes should be transported and send to a laboratory. Within the laboratory, the fluid is tested and the farmer receives the results within three (or more) days. The new technology, concerns a more rapid detection method. Within the technique of B4G, it is possible to know which pathogen is responsible for the inflammation to treat mastitis infection within three minutes instead of three days (or more) since the farmer can test it by himself. With a rapid mastitis pathogen test:

- less mastitis incidences occur

- reduce of revenue losses (less new infection)
- there will be less use of unnecessary antibiotic
- more milk will be produced
- a better dairy cattle lifetime will be developed, resulting in a better return on investment for the farmer per cow

Detecting mastitis at an early stage is a new competitive eco-innovative process that contributes to a more resource-efficient, sustainable circular economy. Continuing population and consumption growth will mean that the global demand for food will increase for at least another 40 years. Growing competition for land, water, and energy, will affect our ability to produce food, as will the urgent requirement to reduce the impact of the food system on the environment. Extending the lifespan of dairy cattle by combating mastitis with better insights @ point of animal care using innovative diagnostics tools will lead to a proper use of resources hence a more the efficiency use of raw materials.

Related information

Periodic Reporting for period 1 - Pathogens detection (Antibiotics reduction with



BLUE4GREEN BV RIGTERSBLEEK ZANDVOORT 10 2 11 7521 BE Enschede Netherlands Netherlands EU contribution: EUR 50 000

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments) Contact the organisation

Last updated on 2015-03-25 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/196271_en.html

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OLE-DIOX

Project ID: 713677

Funded under: H2020-EU.1.1. - EXCELLENT SCIENCE - European Research Council (ERC)

Catalytic reductive carboxylation of unactivated olefins with carbon dioxide

From 2016-06-01 to 2017-11-30

Project details

Total cost:	Topic(s):
EUR 149 500	ERC-PoC-2015 - ERC Proof of Concept Grant
EU contribution:	Call for proposal:
EUR 149 500	ERC-2015-PoCSee other projects for this call
Coordinated in:	Funding scheme:
Spain	ERC-POC - Proof of Concept Grant

Objective

Carboxylic acids are building blocks of utmost importance in our chemical industry, as these motifs are extensively used in the manufacture of soaps, detergents, pharmaceuticals, rubber, plastics, dyes, textile, perfumes, and animal feed, among many others. Current industrial protocols for their synthesis rely heavily on toxic reagents, lengthy-step pathways or waste-producing procedures such as hydrolysis of nitriles or two-step techniques based on hydroformylation of olefins with highly toxic carbon monoxide with expensive noble catalysts (Rh) followed by oxidation. Unlike hydroformylation methods, OLE-DIOX offers the opportunity of promoting a carboxylation event using unactivated olefins, products produced in bulk from petroleum processing, with abundant carbon dioxide as C1 source. The protocol is user-friendly, with components that are neither air- nor moisture sensitive, utilizes earth-abundant catalysts and operates under mild conditions. OLE-DIOX represents an important contribution for our circular economy by effectively recycling bulk materials into valuable products in one-step operation. These unique features makes OLE-DIOX technically and economically viable for its implementation at large-scale en route to industrially-valuable carboxylic acids, thus avoiding lengthy and waste-producing protocols in the established oil-to-carboxylic acid process chain.

Related information

Host Institution

FUNDACIO PRIVADA INSTITUT CATALA D'INVESTIGACIO QUIMICA AVENIDA PAISSOS CATALANS 16 43007 TARRAGONA Spain

Activity type: Research Organisations Contact the organisation Spain EU contribution: EUR 149 500



Beneficiaries

FUNDACIO PRIVADA INSTITUT CATALA D'INVESTIGACIO QUIMICA AVENIDA PAISSOS CATALANS 16 43007 TARRAGONA Spain

Spain EU contribution: EUR 149 500

Activity type: Research Organisations Contact the organisation

To know more

http://erc.europa.eu/

Last updated on 2016-05-11 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/203551_en.html

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SOLCRIMET

Project ID: 694078

Funded under: H2020-EU.1.1. - EXCELLENT SCIENCE - European Research Council

(ERC)

Solvometallurgy for critical metals

From 2016-09-01 to 2021-08-31, ongoing project | SOLCRIMET Website

Project details

Total cost:	Topic(s):
EUR 2 496 250	ERC-ADG-2015 - ERC Advanced Grant
EU contribution:	Call for proposal:
EUR 2 496 250	ERC-2015-AdG See other projects for this call
Coordinated in:	Funding scheme:
Belgium	ERC-ADG - Advanced Grant

Objective

The recent "rare-earth crisis" has brought about the widespread realisation that the long-term availability and cost stability of many materials – not just the rare earths – can no longer be guaranteed. Increasing the levels of critical metal recycling from pre-consumer, manufacturing waste and complex, multicomponent end-of-life consumer products is considered as arguably the most important and realistic mitigation strategy. However, extracting a critical metal from complex waste is a very different challenge to that faced when attempting to produce a pure metal from a primary ore deposit. SOLCRIMET therefore develops a ground-breaking, novel approach called "solvometallurgy", a new branch within metallurgy, next to conventional hydro- and pyrometallurgy. SOLCRIMET's aim is to successfully apply this approach to the extraction of specific critical metals, i.e. rare earths, tantalum, niobium, cobalt, indium, gallium, germanium and antimony. As these critical metals are essential components for clean-tech and high-tech applications, they are key enablers of the required transition to a low-carbon, circular economy. The approach involves the discovery of non-aqueous solvent pairs that are immiscible and allow the extraction of metal complexes at moderate temperatures, leading to high-purity recycled metals. The idea is certainly high risk, but the preliminary results already obtained are highly encouraging. The main outcomes of the project will be lab-scale demonstrators that show the enhanced efficiency, utility and applicability of the new solvometallurgical process, with respect to conventional hydro- and pyrometallurgy. SOLCRIMET's impact on chemistry, chemical technology, metallurgy and materials engineering science will be game-changing. The possibility to recycle critical metals with energy-efficient, low-cost processes could have a significant impact on the global recycling rates of these metals.

Related information

Report Summaries

Periodic Reporting for period 1 - SOLCRIMET (Solvometallurgy for critical metals)



Host Institution

KATHOLIEKE UNIVERSITEIT LEUVEN Oude Markt 13 3000 LEUVEN Belgium

Activity type: Higher or Secondary Education Establishments Contact the organisation

Beneficiaries

KATHOLIEKE UNIVERSITEIT LEUVEN Oude Markt 13 3000 LEUVEN Belgium

Activity type: Higher or Secondary Education Establishments Contact the organisation

To know more

http://erc.europa.eu/

Last updated on 2016-07-13 Retrieved on 2018-07-19

Permalink: https://cordis.europa.eu/project/rcn/203410_en.html © European Union, 2018

Belgium EU contribution: EUR 2 496 250

Belgium EU contribution: EUR 2 496 250

