

# HORIZON 2020

## Appels à projets 2017

### INFORMATIONS UTILES CONCERNANT L'APPEL FoF-12-2017

#### ICT Innovation for manufacturing SMEs (I4MS)

<b>FoF-12-2017 : I4MS</b> Adoption of ICT solutions by manufacturing SMEs <i>Projets financés dans les 4 domaines (chaque proposition devra couvrir au moins 1 des 4 domaines) :</i> <ul style="list-style-type: none"><li>- CPS et IoT</li><li>- Robotics</li><li>- Modelling, simulation and analytics</li><li>- Digital design for additive manufacturing</li></ul> <i>Chaque proposition doit couvrir les 3 aspects suivants :</i> <ul style="list-style-type: none"><li>- networks of competence centers</li><li>- Cross-border experiments</li><li>- Achieve LT sustainability</li></ul> <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/2336-fof-12-2017.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/2336-fof-12-2017.html</a>  PPP : FoF	19 janvier 2017	IA <sup>1</sup> (CF <sup>2</sup> ) CSA	32 1
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<sup>1</sup> Innovation Action. Pour obtenir davantage d'information sur les types d'action, se référer à : <http://www.horizon2020.gouv.fr/cid78511/guides-accompagnement-horizon-2020.html>

<sup>2</sup> Cascade funding

## Appels précédents

FoF - 9 – 2015 : I4MS

### Grands participants – Projets financés et coordinateurs

Coordinateur	Nationalité	Type d'action	Nom du projet	Partenaire(s) français
INSTITUT JOZEF STEFAN	SI	IA	<a href="#">ReconCell</a>	
POLITECNICO DI MILANO	IT	IA	<a href="#">BEinCPPS</a> Business Experiments in Cyber Physical Production Systems	CEA
THE UNIVERSITY OF EDINBURGH	UK	IA	<a href="#">Fortissimo 2</a> : Factories of the Future Resources, Technology, Infrastructure and Services for Simulation and Modelling 2	Bull SAS et Principia SAS
EUROPEAN DYNAMICS ADVANCED SYSTEMS OF TELECOMMUNICATIONS INFORMATICS AND TELEMATICS SA	EL	IA	<a href="#">HORSE</a> : Smart integrated Robotics system for SMEs controlled by Internet of Things based on dynamic manufacturing processes	CEA, CETIM, KUKA Automatisme robotique
NEDERLANDSE ORGANISATIE VOOR TOEGEPAST NATUURWETENSCHAPPELIJK ONDERZOEK - TNO	NL	CSA	<a href="#">XS2I4MS</a>	
ASOCIACION DE EMPRESAS TECNOLOGICAS INNOVALIA	ES	CSA	<a href="#">I4MS-Growth</a>	

#### Plus d'information:

[http://i4ms.eu/documents/i4ms\\_v11.pdf](http://i4ms.eu/documents/i4ms_v11.pdf)

## FoF – 8 – 2015 (RIA) : ICT-enabled modelling, simulation, analytics and forecasting technologies

### Grands participants – Projets financés et coordinateurs

Coordinateur	Nationalité	Acronyme du projet	Nom du projet	Partenaire(s) français
TECHNOLOGY TRANSFER SYSTEM S.R.L.	IT	<a href="#">MAYA</a>	Multi-disciplinARy integrated simulAtion and forecasting tools, empowered by digital continuity and continuous real-world synchronization, towards reduced time to production and optimization	
Laing O'Rourke plc	UK	OPTIMISED	Operational Planning Tool Interfacing Manufacturing Integrated Simulations with Empirical Data	KEONYS SAS et ALSTOM Transport SA
STIFTELSEN SINTEF	NO	<a href="#">CAxMan</a>	Computer Aided Technologies for Additive Manufacturing	Missler Software et NOVATRA
HOCHSCHULE OSTWESTFALEN-LIPPE	DE	<a href="#">IMPROVE</a>	Innovative Modeling Approaches for Production Systems to raise validatable efficiency	
IDEKO S. COOP.	ES	<a href="#">MC-SUITE</a>	ICT Powered Machining Software Suite	CEDRAT Technologies SA et ACTIVEEON
TECHNISCHE UNIVERSITEIT DELFT	NL	<a href="#">MOTOR</a>	Multi-ObjecTive design Optimization of fluid eneRgy machines	
TWI LIMITED	UK	<a href="#">SIMUTOOL</a>	Integrated design and novel tooling and process optimisation of microwave processing of composites	LOIRETECH SAS, Ecole centrale de Nantes, ESI Group, Faurecia aurotomotive composites, Airbus Group SAS

## FoF – 11- 2016 (RIA) : Digital Automation

### Grands participants – Projets financés et coordinateurs

Coordinateur	Nationalité	Acronyme du projet	Nom du projet	Partenaire(s) français
SALZBURG RESEARCH FORSCHUNGSGESELLSCHAFT M.B.H.	AT	NIMBLE	Collaboration Network for Industry, Manufacturing, Business and Logistics in Europe	
CENTRO RICERCA FIAT SCPA	IT	DISRUPT	Decentralised architectures for optimised operations via virtualised processes and manufacturing ecosystem collaboration	
ENGINEERING - INGEGNERIA INFORMATICA SPA	IT	FAR-EDGE	Factory Automation Edge Computing Operating System Reference Implementation	
INFORMATION CATALYST FOR ENTERPRISE LTD	UK	vf-OS	Virtual Factory Open Operating System	Université Lumière LYON 2, TARDY et APPLICATIONS PLASTIQUES DU RHONE SAS APR
AIRBUS DEFENCE AND SPACE GMBH	DE	DIGICOR	Decentralised Agile Coordination Across Supply Chains	
NXTCONTROL GMBH	AT	Daedalus	Distributed control and simulation platform to support an Ecosystem of Digital Automation developers	
X/OPEN COMPANY LIMITED	UK	SAFIRE	Cloud-based Situational Analysis for Factories providing Real-time Reconfiguration Services	
SOFTWARE QUALITY SYSTEMS SA	ES	AUTOWARE	Wireless Autonomous, Reliable and Resilient Production Operation ARchitecture for Cognitive Manufacturing	
FRAUNHOFER GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG EV	DE	COMPOSITION	Ecosystem for Collaborative Manufacturing Processes – Intra- and Interfactory Integration and Automation	

## FoF – 11-2016 (CSA) : Digital Automation

### Grands participants – Projets financés et coordinateurs

EUROPEAN FACTORIES OF THE FUTURE RESEARCH ASSOCIATION AISBL	BE	ConnectedFactories	Industrial scenarios for connected factories	CEA
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## FoF – 13-2016 : Photonics Laser-based production

### Grands participants – Projets financés et coordinateurs

Coordinateur	Nationalité	Acronyme du projet	Type d'action	Nom du projet	Partenaire(s) français
FUNDACION TECNALIA RESEARCH & INNOVATION	ES	PARADDISE	RIA	A Productive, Affordable and Reliable solution for large scale manufacturing of metallic components by combining laser-based ADDitive and Subtractive processes with high Efficiency	Michelin
CONSORZIO INTERUNIVERSITARIO NAZIONALE PER LA SCIENZA E TECNOLOGIA DEI MATERIALI	IT	DREAM	RIA	Driving up Reliability and Efficiency of Additive Manufacturing	POLYS et ADLERFR
ORBOTECH LTD	IL	HIPERLAM	RIA	High Performance Laser-based Additive Manufacturing	
THE MANUFACTURING TECHNOLOGY CENTRE LIMITED LBG	UK	ENCOMPASS	RIA	ENgineering COMPASS	
ASSOCIATION POLE EUROPEEN DE PLASTURGIE	FR	MAESTRO	RIA	Modular laser based additive manufacturing platform for large scale industrial applications	CEA, III V Lab, Alstom Transports SA, AEF
FRAUNHOFER GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG EV	DE	PoLaRoll	IA	Polygon scanner based ultra-short pulse laser processing in roll-to-roll manufacturing	Amplitude Systèmes
LORTEK S COOP	ES	HyproCell	IA	Development and validation of integrated multiprocess HYbrid PROduction CELLS for rapid individualized laser-based production	POLY-SHAPE SAS
TWI LIMITED	UK	ModuLase	IA	Development and Pilot Line Validation of a Modular re-configurable Laser Process Head	

