



SGGCCS

SLOVENSKI GRADBENI GROZD CONSTRUCTION CLUSTER OF SLOVENIA

Innovating construction through collaboration and networking

January 2014



CCS as innovation cluster

The main goal of the CONSTRUCTION CLUSTER OF SLOVENIA, CCS (SLOVENSKI GRADBENI GROZD) is to improve domestic and international competitiveness of its members through commercial cooperation and networking, R&D and innovation, education, training and policy action. The cluster was established in 2004 by construction companies and institutions in the fields of building design, consulting, engineering, contracting and production of building materials and products. It is an Economic Interest Grouping (not-for-profit). CCS is an open organization to all interested stakeholders in the construction sector and related technological domains.

CCS is a member of European Construction Technology Platform and of the E2B association (Energy Efficient Buildings).

The main competences of the CCS as innovation cluster are:

- Preparation of RTD proposals for national and EU public and private funding
- Collaboration in RTD projects implementation, representing industry association and industry needs and expectations, and/or directly involving cluster members (industry actor) to project activities, and/or in dissemination and exploitation activities
- EU and national R&D and innovation projects coordination and management, including costs / financial reporting
- Coordination and management of dissemination and exploitation actions in EU funded RTD projects, consultancy and deployment of exploitation activities, technology transfer and intellectual property issues.
- Cluster and other new collaborative organisational and business models development and implementation. Innovation management
- National and international networking, policy actions (ECTP, E2B),

Areas of interest

Due to heterogeneity of the cluster members there is no common RTD topic or topics like industrialization, but a list of areas of interest for EU and trans-national cooperation:

- **New and renewed technologies** (advanced materials and composites, road construction technologies, smart building materials, intelligent structures, new optimized construction technologies, prefabrication and automation, sustainable construction processes, intensified use of ICT in construction, building bionics and biomimetics ...).
- **Sustainable buildings and construction** (design, construction, retrofitting, assessment, commissioning, operation and maintenance)
- **Protection of the environment** (building waste management, sustainable urban drainage systems, neutralization of harmful substances in building materials...).
- **Heritage preservation** (identification of current state of heritage and planning of retrofitting priorities, consequence based approach to heritage preservation, advanced application of tradition materials and low-intrusive retrofitting techniques, energy efficiency in heritage building...).
- **Energy efficiency and renewables in buildings and districts**
- **Water efficiency buildings and districts**
- **Green skills and jobs development** (vocational and professional training and education)

- **New business and financing models** in sustainable construction and energy retrofitting and renovation /clusters, virtual organisations...

Related Horizon 2020 and Erasmus+ calls

HORIZON 2020, 7. *Innovation in small and medium-sized enterprises*¹

Call - Enhancing SME innovation capacity by providing better innovation support

INNOSUP-9-2014: Community-building and competence development for SME instrument coaching,

12/03/2014

HORIZON 2020, 10. *Secure, clean and efficient energy*²

CALL – ENERGY EFFICIENCY

A – Buildings and consumers

EE 1 – 2014: Manufacturing of prefabricated modules for renovation of buildings,

20/03/2014

EE3 – 2014: Energy strategies and solutions for deep renovation of historic buildings,

20/03/2014

ERASMUS+³

Key Action 2: Cooperation for innovation and the exchange of good practices

Knowledge Alliances,

03/04/2014

HORIZON 2020, 12. *Climate action, environment, resource efficiency and raw materials*⁴

Call – Waste: A Resource to Recycle, Reuse and Recover Raw Materials

WASTE-3-2014: Recycling of raw materials from products and buildings,

08/04/2014

ERASMUS+

Key Action 2: Cooperation for innovation and the exchange of good practices

Strategic Partnerships in the field of Education, Training and Youth,

30/04/2014

¹ http://ec.europa.eu/research/participants/data/ref/h2020/wp/2014_2015/main/h2020-wp1415-sme_en.pdf

² http://ec.europa.eu/research/participants/data/ref/h2020/wp/2014_2015/main/h2020-wp1415-energy_en.pdf

³ http://ec.europa.eu/programmes/erasmus-plus/documents/erasmus-plus-programme-guide_en.pdf

⁴ http://ec.europa.eu/research/participants/data/ref/h2020/wp/2014_2015/main/h2020-wp1415-climate_en.pdf

HORIZON 2020, 10. *Secure, clean and efficient energy*
CALL – SMART CITIES AND COMMUNITIES

SCC 1 – 2014/2015: Smart Cities and Communities solutions integrating energy, transport, ICT sectors through lighthouse (large scale demonstration - first of the kind) projects

- (Nearly zero) or low energy districts

07/05/2014

SCC 2 – 2014 : Developing a framework for common, transparent data collection and performance measurement to allow comparability and replication between solutions and best-practice identification

07/05/2014

SCC 4 – 2014 : Establishing networks of public procurers in local administrations on smart city solutions

07/05/2014

HORIZON 2020, 10. *Secure, clean and efficient energy*
CALL – ENERGY EFFICIENCY

A – Buildings and consumers

EE 4 – 2014: Construction skills

05/06/2014

EE 5 – 2014/2015: Increasing energy performance of existing buildings through process and organisation innovations and creating a market for deep renovation

05/06/2014

EE 7 – 2014/2015: Enhancing the capacity of public authorities to plan and implement sustainable energy policies and measure

05/06/2014

EE 8 – 2014: Public procurement of innovative sustainable energy solutions

05/06/2014

EE 9– 2014/2015: Empowering stakeholders to assist public authorities in the definition and implementation of sustainable energy policies and measures

05/06/2014

EE 10 – 2014/2015: Consumer engagement for sustainable energy

05/06/2014

EE 11 – 2014/2015- New ICT-based solutions for energy efficiency

05/06/2014

EE 12 – 2014: Socioeconomic research on energy efficiency

05/06/2014

D - Finance for sustainable energy

EE 19 – 2014/2015: Improving the financeability and attractiveness of sustainable energy investments

05/06/2014

EE 20 – 2014/2015: Project development assistance for innovative bankable and aggregated sustainable energy investment schemes and projects

05/06/2014

EE 21 – 2014/2015: Development and market roll-out of innovative energy services and financial schemes for sustainable energy

05/06/2014

HORIZON 2020, *10. Secure, clean and efficient energy*

CALL – ENERGY EFFICIENCY

A – Buildings and consumers

EE 2 – 2015: Buildings design for new highly energy performing buildings

09/12/2014

HORIZON 2020, *10. Secure, clean and efficient energy*

CALL – SMART CITIES AND COMMUNITIES

SCC 1 – 2014/2015: Smart Cities and Communities solutions integrating energy, transport, ICT sectors through lighthouse (large scale demonstration - first of the kind) projects

- *(Nearly zero) or low energy districts*

03/03/2015

SCC 3 – 2015 : Development of system standards for smart cities and communities solutions

03/03/2015

HORIZON 2020, *7. Innovation in small and medium-sized enterprises*

Call - Enhancing SME innovation capacity by providing better innovation support

INNOSUP-1-2015: Cluster facilitated projects for new industrial value chains

30/04/2015

[30/04/2015] 1. Stage, [09/09/2015] 2.stage


HORIZON 2020, *10. Secure, clean and efficient energy*

CALL – ENERGY EFFICIENCY

A – Buildings and consumers

Our previous experience in the EU projects:

	FP7	EE-HIGHRISE , Energy Efficient demo multiresidential high rise building www.ee-highrise.eu	Work package leader
	FP7	NEWBEE , Novel Business model generator for Energy Efficiency in construction and retrofitting www.newbee.eu	Work package leader
	FP7	ICECLAY , Highly efficient production of ultra-lightweight clay-aerogel materials and their integrated composites for building insulation. http://iceclay-fp7.eu/	Work package leader
	FP7	MESSIB , Multi-source Energy Storage System Integrated in Buildings. www.messib.eu	Work package leader
	FP7	OPEN HOUSE , Benchmarking and mainstreaming building sustainability in the EU based on transparency and openness (open source and availability) from model to implementation. www.openhouse-fp7.eu .	Work package leader
	FP7	STEELPROST , Innovative fire protective coatings for steel structures. http://www.steelconstruct.com/steelprost/	SME association, partner
	FP7	STOREPET , Development of PCM-based innovative insulating solutions for the Light-weight building sector. www.storepet-fp7.eu	Project coordinator
STEELPROST 2	FP7	STEELPROST 2 , Demonstration of innovative fire protection coatings for steel structures	SME association, partner

	IEE	BUILD UP Skills Slovenia , Building Skills for Sustainable Building in Slovenia www.buildupskills.eu	Work package leader
	LdV	BUILD YOUR ENGLISH: Strengthening the linguistic skills of students, graduates from construction schools and construction workers through creating computer application enabling self-learning technical English language. http://buildyourenglish.eu/ .	Work package leader

CCS`s members and members of the Slovenian Construction Technology Platform

Name	Area of business activities	Web page
VARIS LENDAVA d.d.	Production of prefabricated sanitary cabins	www.varis-lendava.si
Ponting inženirski biro d.o.o.	Structural engineering, bridge structures	www.ponting.si
UNIVERZA V LJUBLJANI, Fakulteta za gradbeništvo in geodezijo <i>University of Ljubljana, Faculty of Civil and Geodetic Engineering</i>	Graduate and post graduate studies, basic and applied research	www.fgg.uni-lj.si
Gradbeni inštitut ZRMK d.o.o. <i>Building and Civil Engineering Institute</i>	Consulting engineering, R&D institute	www.gi-zrmk.si
ZAG - Zavod za gradbeništvo Slovenije <i>ZAG – National Building and Civil Engineering Institute</i>	Testing and certification, R&D institute	www.zag.si
UNIVERZA V MARIBORU, Fakulteta za gradbeništvo <i>University of Maribor, Faculty of Civil Engineering</i>	Graduate and post graduate studies, basic and applied research	www.fg.uni-mb.si
IZS- Inženirska zbornica Slovenije <i>Slovenian Chamber of Engineers</i>	Chamber of Engineers	www.izs.si
Robotina d.o.o.	Intelligent buildings, building automation	www.robotina.si
RAZPON d.o.o.	Steel structures engineering, consulting and supervision	
TIKRA d.o.o.	Producer	www.tikra.si
Inštitut EVIP	R&D institute, consulting and engineering	www.evip.si
E-NETSI d.o.o.	Consulting and engineering in	www.e-netsi.si

	buildings and environment protection	
REMTY d.o.o.	Design and Engineering of Energy Efficient Buildings	www.remy.si
AKROPOLA d.o.o.	Design and Engineering of Energy Efficient Buildings	www.akropola.si
Corus inženirji d.o.o.	Design and Engineering of Energy Efficient Buildings	

CONTACT DETAILS:

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