



Fostering Innovation for Cyber-Physical Systems, Advanced Computing & Manufacturing: Opportunities under Horizon 2020 LEIT-ICT Work Programme 2014/15 and the regional dimension

Workshop

19–20 February 2014

Venue : Hotel Bristol Stephanie - Avenue Louise 91-93, 1050 Brussels

Objectives

Organised by the European Commission, DG CONNECT (A3 Complex Systems and Advanced Computing), the objectives of this information and constituency building workshop are to explore new innovation measures under the [LEIT-ICT](#) and [LEIT-FoF](#) Work Programmes 2014/15 of Horizon 2020 in the domains of **Smart Cyber-Physical Systems (CPS – ICT1)** , **Low Power Customised Computing (ICT4)**, and **ICT for Manufacturing (FoF9)**. Calls for ICT1 have opened in December 2013 with a closing in April 2014. Calls for ICT4 and FoF9 are planned to open later in 2014. For details, please refer to the above links on the H2020 participants' portal.

Focus of **Session 1** of the workshop "**New innovation measures under Work Programme 2014/15**" in the afternoon of 19 February is on two new types of innovation measures called for in the above topics:

1. Platform and ecosystem building
2. Networks of competence centres supporting experiments

Focus of **Session 2** of the workshop "**Exploring the regional dimension**" in the morning of 20 February is on potential opportunities for linking EU activities to regional clusters and ecosystems and for combining EU Framework Programme funded research and innovation activities with smart specialisation activities under structural funds.

Who should attend the workshop?

Please note that the workshop is a very well-focused event on the above mentioned innovation measures rather than an info day on all research and innovation actions under the above topics. In all of the planned innovation activities, European competence centres with leading expertise in the addressed technologies, any key enabling technologies, and/or important application areas – traditional ones and emerging ones – are expected to have a key role as the motor behind the initiative. Being well connected across the value chain and in their areas of expertise and routed in their regional/national innovation ecosystems, their roles include acting as a multiplier, providing the necessary expertise and access to infrastructures, establishing a European network with complementary competences, and linking to the existing regional clusters and ecosystems. These **competence centres are the key target audience of this information and constituency building workshop**. The workshop may as well be of interest for participants from industry and from public authorities.



Logistics

The workshop is organised in two independent sessions, for which more details can be found below. It is possible to participate to any of the sessions or to both. Participation is open and free of charge. For better planning and security reasons, registration however is mandatory. As space is limited, interested parties should fill in [the online registration form](#) by **17 January 2014**. Feel free to forward this invitation to any interested colleague.

Any inquiries should be directed to CNECT-A3-EVENTS@ec.europa.eu for the attention of

- Dr. Jérôme Dethier related to the programme, your registration and your intervention;
- Dr. Werner Steinhoegl for Session 1;
- Dr. Rolf Riemenschneider related to Session 2.

Background Session 1 - Afternoon 19 February 2014

New innovation measures under Work Programme 2014/15

The following table gives an overview of openings for innovation projects in the domains Smart Cyber-Physical Systems (CPS – ICT1), Low Power Customised Computing (ICT4), IoT & Connected Smart Objects (ICT30) and ICT for Manufacturing (FoF9).

	Platform & ecosystem building	Networks of competence centres supporting experiments: Large Innovation Projects, 70% funded	Funding and Call
ICT1 Smart CPS	Small Innovation Projects, 70% funded	Towards a Smart Everywhere Society: Design & development experiments	17M€ ICT 2014
ICT4 Advanced Computing	Small Innovation Projects, 70% funded	ES/CPS using advanced computing Application experiments	17M€ ICT 2015
ICT30: IoT & Connected Smart Objects	Large Research & Innovation Projects, 100% funded	—	51M€ ICT 2015
FoF 9: ICT for Manufacturing SMEs	—	I4MS phase 2 Robotics, Simulation, CPS Application or assessment experiments	36M€ FoF2015

In addition to the official Work Programme text, please also refer to the following documents:

- ICT1: [Report of the Workshop "Towards European Clusters of Design Centres for Embedded ICT"](#) held in Graz, Austria in September 2013; [Report of the Strategy Event "Cyber-Physical Systems – Uplifting Europe's Innovation Capacity"](#) held in October 2013 in Brussels.
- FoF9: [Phase 1 of I4MS](#) has been launched under FP7 Work Programme 2013. More info also under the Support Action [I4MS-Gate](#).

Background Session 2 - Morning 20 February 2014

Exploring the regional dimension

Focus of **Session 2** is on potential opportunities for linking EU activities to regional clusters and ecosystems as well as for potentially combining EU Framework Programme funds with [structural funds for smart specialisation \(ESRD\)](#) in order to pool resources for larger scale activities strategic for Europe's competitiveness. This session should be of particular interest for those competence centres which are already operational in EU initiatives like I4MS and who wish to expand the regional dimension of their work, but as well for newcomers under the Work Programme 2014/15 Calls.

Draft Workshop Agenda

Session 1 (Wednesday, 19 February 2014 - 13.30 – 18.40):

New innovation measures under the Work Programme 2014/15 (LEIT-ICT)

Time	Topic	Presenter
13.30 – 13.40	(1) Welcome	Khalil Rouhana (EC)
13.40 – 14.00	(2) Setting the scene New Innovation Measures under Horizon 2020: Strategy, Opportunities, Implementation	Max Lemke (EC)
14.00 – 14:45	(3) WP 2014/15 Topics and Calls – Innovation Actions <ul style="list-style-type: none"> • ICT1 – 2014: Smart Cyber-Physical Systems <ul style="list-style-type: none"> - Towards platforms and ecosystems - Towards Smart Everywhere ICT30 – 2015: Internet of Things and Platforms for Connected Smart Objects • ICT4 – 2015: Customised/low power computing <ul style="list-style-type: none"> - Towards platforms and ecosystems - Connecting innovators across value chains • FoF9 – 2015: ICT for manufacturing SMEs (I4MS) 	Werner Steinhoegl (EC) Jérôme Dethier (EC) Francesca Flamigni (EC)
14.45 – 15:30	(4) Model: The I4MS Scheme <ul style="list-style-type: none"> • I4MS initiative – Overview • Fortissimo • LASHARE 	Silvia de la Maza (I4MS –Gate) Guy Lonsdale (Scapos) Ulrich Thombansen (Fraunhofer ILT)
15.30 – 16:00	(5) Questions & Answers	All
16.00 – 16:30	Coffee	
16.30 – 18:30	(6) Project Ideas & Competencies Presentations 5-10 min per project idea and 1-3 min per competencies presentation (depending on the number of participants)	All
18:30 – 18:40	(7) Wrap-up	Max Lemke (EC)

Workshop Session 2 (Thursday, 20 February 2014 - 9.00 – 13.30): DRAFT
Exploring the regional dimension

Time	Topic	Presenter
9.00 – 9.10	(1) Welcome	Khalil Rouhana (EC)
9.10 – 9.30	(2) Smart specialization: Opportunities for linking Framework Programme funds with Structural funds	Marco Pino (EC REGIO) Markku Markkula (CoR)
9.30 – 9.45	(3) Pooling resources for strategic innovation activities	Max Lemke (EC CONNECT)
9.45 – 10.00	(4) Smart Specialisation and Pilot Lines	Andreas Wild (ECSEL)
10.00 – 10.45	(5) Examples of EU innovation activities routed in regional ecosystems	Pietro Pierlo (IFEVS, Piemonte) Tuokko Reijo (TUT, Baltic belt) Andres Gomez (CESGA, Galicia/Portugal) Jean-Frédéric Clerc (CEA, Rhône-Alpes) Ronnie Galloway (EPCC, Scotland)
10.45 – 11.00	Coffee	
11.00 – 11:15	(6) I4MS the role of competence centers and the regional dimension	Silvia de la Maza (I4MS-Gate)
11.15 – 12:45	(7) Experiences from the regions Opportunity for participants to present individual experiences of regional clusters and smart specialisation	All Bernard Dion (Esterel Technologies, FR) Monika Gatzke (Cluster ICT.NRW/U Wuppertal) Kieran Delaney (Cork Institute of Technology, IE) Richard Foggie (Electronics Sensors Photonics Knowledge Transfer Network, UK) Marco Ottella (Bitron Spa, IT) C. Pickering (Innovation Bridge Consulting, UK) A. Colombo (Schneider Electric Automation, DE) Lauri Kuukasjärvi (Helsinki-Uusimaa Regional Council, FI) Tomi Ilijas (Artur, SL) Peter Simkens (DSP Valley, BE) Chris Merveille (IK4-IKERLAN, SP) Francisco Ruiz (Fortiss, DE)
12.45 – 13:20	(8) Discussion, Questions & Answers	All
13:20 – 13:30	(9) Wrap-up	Max Lemke (EC)