



EUROPEAN COMMISSION

Directorate-General for Communications Networks, Content and Technology

Components and Systems

Workshop on

Accelerating the development and take-up of advanced ICT technologies to address healthcare challenges.

Brussels, Belgium – 20 November 2013

SAVE THE DATE

Venue: Avenue de Beaulieu 25 (room 0/S1)

The Objectives

In this context, the workshop aims at accelerating the innovation and use of advanced key enabling technologies such as **micro-nanoelectronics** and **photonics** in order to address challenges in healthcare applications.

The workshop has the following targets:

- Enable technology research and innovation to be oriented towards unmet medical needs, a prerequisite for a fast translation of ideas and technologies to solutions; health practitioners, authorities, industry and market players will detail these needs in the “unmet user needs” session.
- Introduce emerging technology and systems which are on the verge to solutions/products or gained product status very recently. These success stories from all over Europe will be presented to stimulate the discussion of key elements and exchange best practice in research and innovation (*Advanced technology prototypes & solutions* session).
- The highly-regulated environment and the conservative approach to innovations are specific and necessary in fields that require to deal responsibly with the highest good of the citizens. Resulting barriers and obstacles for a fast deployment of solutions and how to remove them are the topic of the final session. It will also introduce the instrument “pilot action”, pre-commercial public procurement and public procurement of innovation, SME support and other collaboration opportunities for innovation among users, industry, technology providers and public authorities as potential remedies to remove some of the barriers (*Innovation Challenges & Solutions* session).

The Context

The new European Framework Program for Research & Innovation, H2020, which will be officially launched at the ICT 2013 Conference, in Vilnius, Lithuania from 6 to 8 November 2013 <https://ec.europa.eu/digital-agenda/sites/digitalagenda/files/ICT2013%20conference%20programme.pdf> brings together three main R&I programs/initiatives to

- i.) Tackle societal challenges (e.g. health, environment, energy and mobility),
- ii.) Create Industrial Leadership and Competitive Frameworks and
- iii.) Achieve Excellence in the Science Base.

In H2020 more emphasis is put on innovation (translating technology and process in usable new service or goods) to boost growth and to create jobs. New instruments besides collaborative R&D such as Pre-Commercial Procurement (PCP, pre-commercial R&D&I for public sector) and Public Procurement of Innovative Solutions (PPI, focussing on launching customer demand for innovative solutions), SME instrument, pilots and integrated platforms are introduced to boost technology transfer and competitiveness.

This workshop is organised from the leadership in Enabling and Industrial Technologies (LEIT) part of the programme, namely the ICT area and is in line with Photonics 21¹ strategic research agenda and micro & nano electronics implementation strategy². It is designed as a bridge between the technology development in ICT and healthcare in the Societal Challenges and it complements initiatives taken at the societal challenges "health" level e.g. to eHealth and active & healthy aging European partnership initiatives.

DRAFT AGENDA

- 09:30 – 10:00 **H2020 & funding opportunities** (European Commission)
- 10:00 – 11:30 **Session 1: Unmet user needs** (e.g. healthcare professionals, public authorities, industry, market)
- 11:30 – 11:50 Coffee Break
- 11: 50 – 13:20 **Session 2: Advanced technology prototypes & solutions** (Bio-electronics, Bio-Photonics, ICT based technology offer)
- 13:20 – 14:20 Lunch Break
- 14: 20 – 15:50 **Session 3: Innovation Challenges & Solutions** (e.g. business, regulation, validation, reimbursement, legacy, ethics and best practices); H2020 opportunities
- 15:50 – 17:00 Final discussion, wrap up and conclusions

The sessions will be based on interactive discussion between key panelists and the audience. The panelists will provide short presentation on key topics to set-up the scene and lunch break-out discussion. Each session will include 3-4 panelist presentations and 30' discussion.

Participants:

- Health Public Authorities (e.g. Medical Equipment Assessment, public procurers, national regulators)
- Research and Technology Providers (e.g. RTOs, Academic, Industry)
- Medical Professionals (e.g. Early diagnosis, chronic patients, personalised treatment, home monitoring, PoC)
- Industry (large companies, SMEs): medical technology suppliers, integrators, manufacturers of medical device, in vitro diagnostics and Active Implants.

Due to space limitation registration preference will be given to the above targeted participants.

For participation and further information please contact Eddy.Corthals@ec.europa.eu

Workshop URL: <http://ec.europa.eu/digital-agenda/en/newsroom/182/1025>

¹ www.photonics21.org

² <http://ec.europa.eu/digital-agenda/en/electronics-strategy-europe>