

PRESS RELEASE

17th of October 2013

**Regional governments send experts to Hungary to use ICTs to
trigger economic growth
Information and communication technologies (ICTs) serving
regional economic development purposes
*-International BORDWIIS+ project meeting in Budapest-***

15-17th October 2013 Budapest – IFKA, Public Benefit Non-Profit Ltd. for the Development of the Industry, hosted the first Hungarian meeting of the 'BORDWIIS+ Boosting Regional Development with ICT-Innovation Strategies' project.

Partners from 8 EU regions have exchanged their experiences on policy-making with the objective to drive innovation through ICTs in order to foster economic development across Hungary.

Moreover, partners have been invited to get a deeper overview on ICT innovations invented and delivered within the Central Hungary region and to finalize the Common Framework , a methodical manual for the European regions towards smart specialization as a new frontier in regional economic development policies and strategies.



Professional expert team composed by French, Spanish, Italian, German, Estonian, Romanian, Swedish and Hungarian policy-makers, cluster managers and academic researchers

During the three-day Budapest meeting, hosted by the Central Hungary Region, partners visited the main stakeholders of the Central Hungarian ICT innovation eco-system, including research laboratories and companies recognized for its achievements in delivering ICT innovations. The first day of the partner meeting, the BORDWIIS+ seminar addressed project implementation. While the second day, the BORDWIIS+ study-visit has provided an overview on promising research results.

The programme has started with a visit at the DEMOLA Laboratory, where **Donát Dékány, director at BUTE - Faculty of Electrical Engineering and Informatics - Student Innovation Center and Co-Founder of DEMOLA Hungary** has welcomed the guests and introduced the concept of DEMOLA, a supporting framework for ICT innovations.

Start-up companies have presented their developments, namely the HANDSinSCAN, the RESONO. **Dr. Tamás Haidegger, co-founder of the HANDSinSCAN Ltd.** start-up has introduced the cutting-edge technological solutions for hand hygiene control system that applied ultraviolet light and digital imaging with Artificial Intelligence methods to highlight disinfected versus unaffected areas after regular hand rubbing. So far, the company has received considerable international recognitions such as the first prize of the Swiss based ICPI Innovation Academy, the Innovact European Campus Award and the ACESAcademic Enterprise Award.

Followed by **Dr. Péter Hanák, director of the eVITA National Technology Platform** has provided a brief overview on ICT-assisted living solutions and developments. eVITA National Technology Platform is linked to the European technology platform addressed to networked software and services, embedded systems (ARTEMIS), future internet, innovative medicines. It supports independent and health-conscious living and already has delivered approximately 20 innovation projects and cooperations in Hungary. The platform brings together best-in-class Hungarian academic actors, innovative companies ranging from small to large companies specialized in providing services and technological solutions to health.



Official welcome by Donát Dékány Director at BUTE - Faculty of Electrical Engineering and Informatics - Student Innovation Center and Co-Founder of DEMOLA Hungary

As the second part of the morning sessions partners have been invited to visit the Institute for Computer Science and Control Laboratory of the Hungarian Academy of Sciences where **Dr. Péter Inzelt** director of the Institute has welcomed the guests and provided an overview on past and on-

going research activities carried out by the organization. **Dr. Géza Haidegger**, senior research engineer has shown Smart Robotics, VIRCA Virtual Intergrated and Augmented Collaboration Arena and the 3D laboratory. VirCA is a loosely coupled modular, 3D Internet based interactive virtual environment for collaborative manipulation of robots and other hardware or software equipment. The 3D content and processes in VirCA can be synchronized with the real world, which allows the combination of reality and virtuality in the collaboration arena. This allows VirCA users to virtually interact not only with other users, but also with existing, remotely operated hardware and software, such as robots, sensors, or actuators. This type of semi-virtual interaction allows the users to build distributed systems consisting of real and virtual parts at the same time.



Demonstrations in the VIRCA Virtual Intergrated and Augmented Collaboration Arena of the Institute for Computer Science and Control Laboratory of the Hungarian Academy of Sciences

The afternoon session has been addressed to visit research achievements delivered by multinational companies with international impact delivered by the Lighting and Healthcare Divisions of the U.S. based GE General Electric. First, partners have been offered by a guided visit to the **GE Lighting Experience Centre** being opened on the 13th of October 2011 – as one of the three global R&D Centres. Designed by Italian studio Cerquiglini & Rossi, the showroom has taken BORDWIIS+ members on a leisurely walk from an enchanted forest of light to the heart of the city, with guests experiencing first hand GE’s latest lighting solutions in unique spaces - designed to present some key applications. The experience center offers an interactive exploration of light in all its facets and key application areas like retail, refrigeration, office environments and city lighting. Moreover, partners have learned about the E-grid+ cutting-edge lighting solutions.



GE Lighting Experience Centre

Finally, partners were invited to the **GE Healthcare** Division where **János Gyarmati, Chief Marketing Officer (CE)**, has introduced the history of GE Healthcare in Hungary and provided an overview on the technological developments carried out by the division. GE Healthcare provides transformational medical technologies and services that are shaping a new age of patient care. Our expertise in medical imaging and information technologies, medical diagnostics, patient monitoring systems, performance improvement, drug discovery, and biopharmaceutical manufacturing technologies is helping clinicians around the world re-imagine new ways to predict, diagnose, inform, treat and monitor disease, so patients can live their lives to the fullest. During the visit, special emphasis has been paid on unique software solutions, especially to the **Innova EP Vision 2.0** invented by the company in diagnostics. The software enables users to load 3D datasets and overlay and register in real time these 3D datasets with radiosopic or radiographic images of the same anatomy in order to support catheter/device guidance during interventional procedures. More specifically, it supports superimposing the segmented DICOM 3D XA, CT, MR dataset on radiosopic or radiographic image of the same anatomy, obtained on an Innova Fluoroscopic X-ray system. The software has been co-developed with the University of Szeged.

