

EIT ICT Labs Budapest in Horizon 2020

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The EIT and its KICs

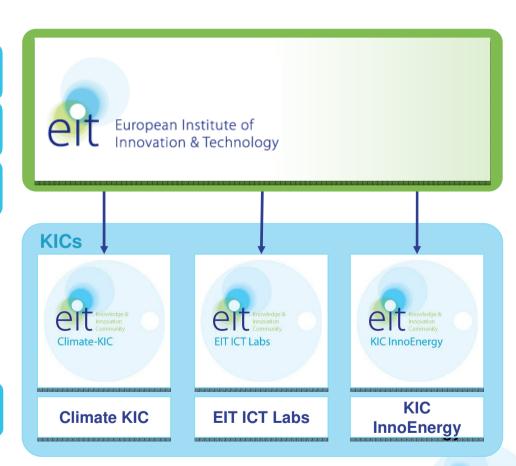
The European Institute of Innovation & Technology (EIT

Independent agency within the EU (2008)

It funds Knowledge and Innovation Communities (KICs)

- Official call and selection of the first three KICs in 2009
- First KICs fully operational in December 2010
- EIT ICT Labs launched also its work at the end of 2010

Integrated into H2020 – Budget 3.5%





EIT ICT Labs – Nodes and Partners

Imperial College London

NIRICT

orange









Alcatel-Lucent





















ROYAL INSTITUTE OF TECHNOLOGY













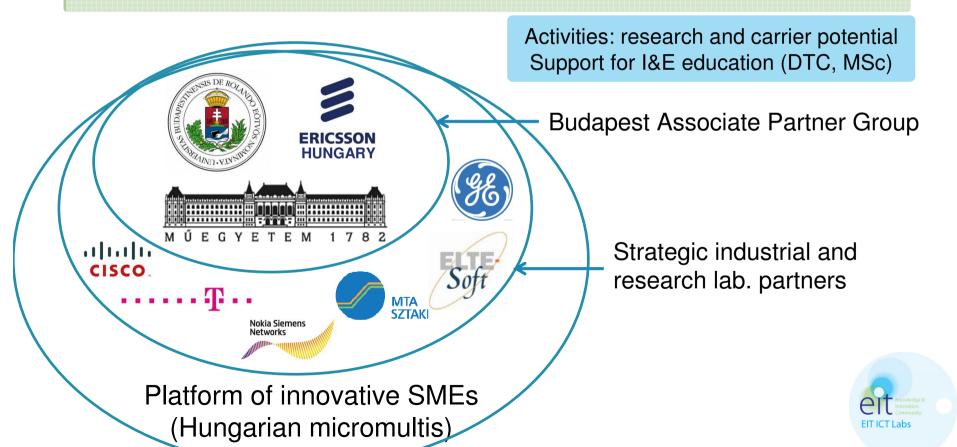




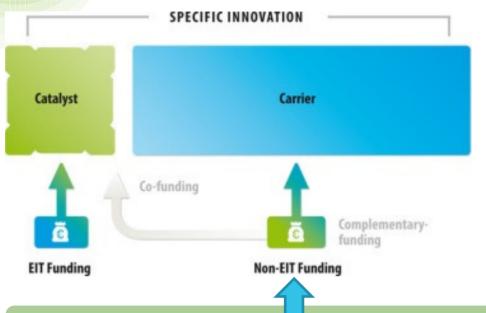
Implementation of the knowledge triangle in the Budapest Associate Partner Group

Goal:

creating a functional and viable regional educational, research and innovation hub on CEE level driven by a business perpective



Financing structure

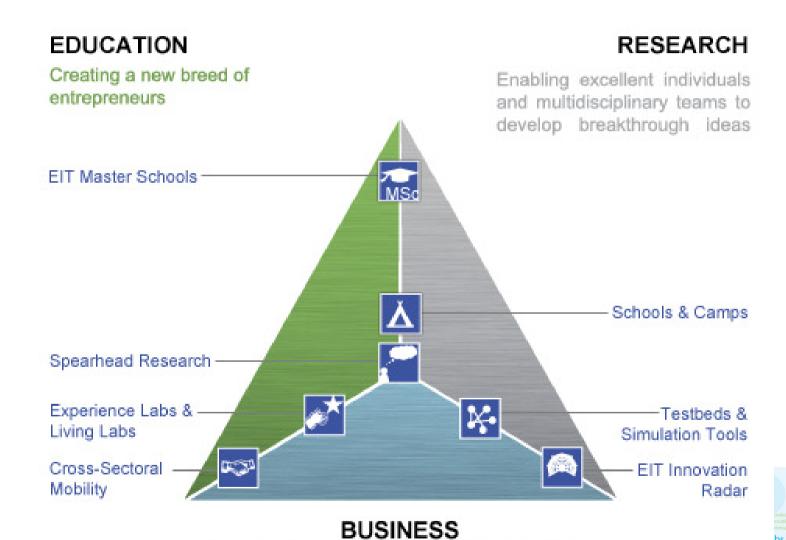


- To set up the local CLC and carrier project between January 2013 and the first half of 2014
- Consortium: ELTE, BME, Cisco
- The EIT funding serve to realize the innovation cycle

Fundings:

- Industry funded R&D projects
- EU FP7 and national R&D projects
- Dedicated National Development Agency grant Carrier funding for further R&D activities: 1.000.000.000 HUF
- Support from the Minister of National Development
 Financial background for the preparation period: 20.000.000 HUF
- "Social Renewal Operational Program" (TÁMOP)
 Education Curricula Development: 120.000.000 HUF





Supporting innovators all the way to the market

Education the tradition of industry driven ICT education

EIT ICT Labs Master School

- Budapest's contribution: 2nd year of the SDE, S&P, DMT.
- High-skilled Hungarian and CEE students with solid mathematic and computer science background.
- · Student consulting services.

EIT ICT Labs Budapest Doctoral Training Centre.

- 16 Hungarian doctoral candidates enrolled in the first year (18 more doctoral candidates to be enrolled in 2013 and 2014)
- Focus: Excellence in communication software and system performance



Research & Innovation Areas

EIT ICT Labs

Action lines – Innovation areas

Cyber-Physical Systems

Future Cloud

Future Networking Solutions

Privacy, Security & Trust

H2020

ICT calls

Smart Cyber-Physical Systems

Big data, robotics

Advanced Cloud Infrastructures

Tools and methods of software development

Smart networks and novel internet architectures

Cybersecurity, trustworthy ICT

Health & Wellbeing

Smart Energy Systems

Smart Spaces

Future Urban Life and Mobility

R&I activities and business development

Health, demographic change and wellbeing

Secure, Clean and Efficient Energy

Smart, Green and Integrated Transport

Research and innovation actions



2 year long projects

EIT ICT Labs Budapest

2013 & 2014: 12 R&D&I projects

IDENTIFYING THE PROBLEMS OF COMPLEX INFOCOMMUNICATION NETWORKS

Cyber-Physical Systems; Future Networking Solutions.

FUTURE DIGITAL FIELDS AND MOBILITY

Urban Life and Mobility; Future Networking Solutions.

HUMAN COMPUTER COLLABORATION

Future Cloud; Smart Spaces.

PRIVACY, SECURITY AND TRUST

Smart Energy Systems.



Future Programmable Networks – Attila Takács, Ericsson Hungary and Rolland Vida, BME

Europa – EIT's Cloud-based data – András Benczúr, ELTE



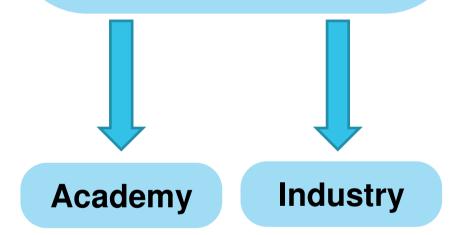
Security monitoring for critical infrastructure – Levente Buttytán and Márk Félegyházi, BME

EIT ICT Labs Budapest founded business - platform of innovative SMEs

Hungarian micromultis altogether w cca. **30 m EUR** revenue / year:

- Aitia,
- Attrecto innovation,
- BalaBit,
- Binergy,
- Bonn Hungary,
- IND,
- Intellifactory,
- IVSZ,
- NETvisor,
- Prezi

Established best practices for disseminating knowledge and expertise on dynamically developing small companies



To encourage the development of a regional platform of companies, which give rise to more highly added value jobs in the region.

Startup Activation - EIT ICT Labs

Link startups to EIT-related entrepreneurship programmes

- Leverage already existing programmes, such as
 - Berlin: Deutsche Telekom Innovation Contest
 - Helsinki: AppCampus, Startup Sauna, Demola
 - Trento: TechPeaks
 - Budapest: Startup activities of ELTE and BME
- Execute with the help of startup ecosystem actors in X-European countries













Startup Activation - Budapest

BrassTacks – Intensive Startup Training

- Regional startup competition in cooperation with MMCluster and Avec
- Intensive, practice oriented and interactive modules
- Tailor-made for early stage startups
- Participation of Rob Fitzpatrick and other foreign and Hungarian experts
- Meeting opportunity with VCs and multinational companies
- More than 30 applications in two weeks and 7 startups from 5 countries (Austria, Slovenia, Bulgaria, Romania, Hungary) selected









Coordinated from Budapest

Outreach to EU countries not directly involved EIT ICT Labs

- Managed by Budapest Associate Partner Group on EIT ICT Labs level
- Provide opportunities for students and educators in EIT education programmes
- Activate start-ups by building strong ties to innovation programmes and contests
- Collaborate with key people: faculty members, researchers, innovation ecosystem actors



Student from Budapest won CH.A.N.G.E Award 2013

Annual award of EIT to support entrepreneurial talents

- Dorottya Maksay, master student at EIT ICT Labs Budapest, was awarded for developing her Homebuddy initiative
- **Homebuddy** provides social interaction and care for elderly people by matching them with students who need accommodation.









Thank you

www.ictlabs.elte.hu www.eitictlabs.eu