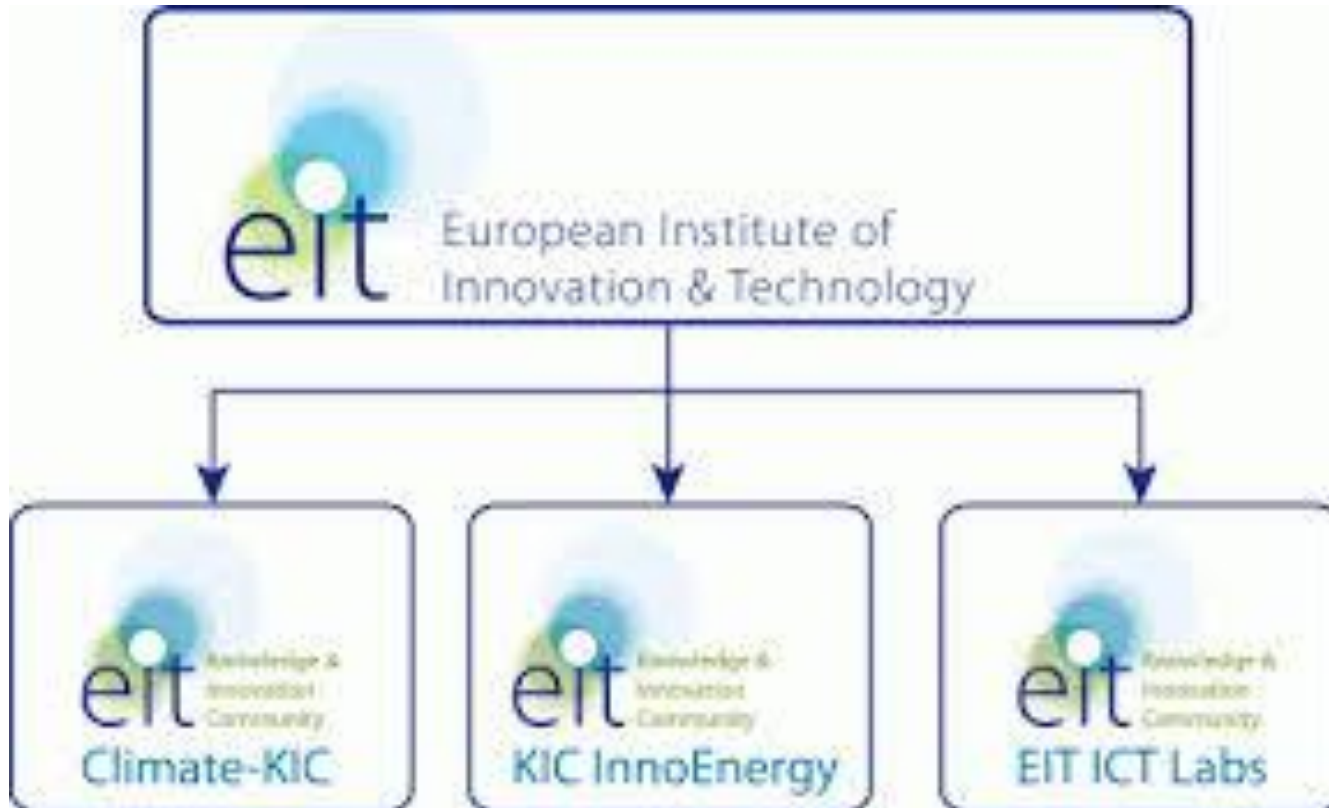




Research, Innovation and Education in Infocommunication Technology

EIT and EIT ICT Labs



ICT Labs Nodes

Partnership with leading universities, companies and research laboratories of Europe



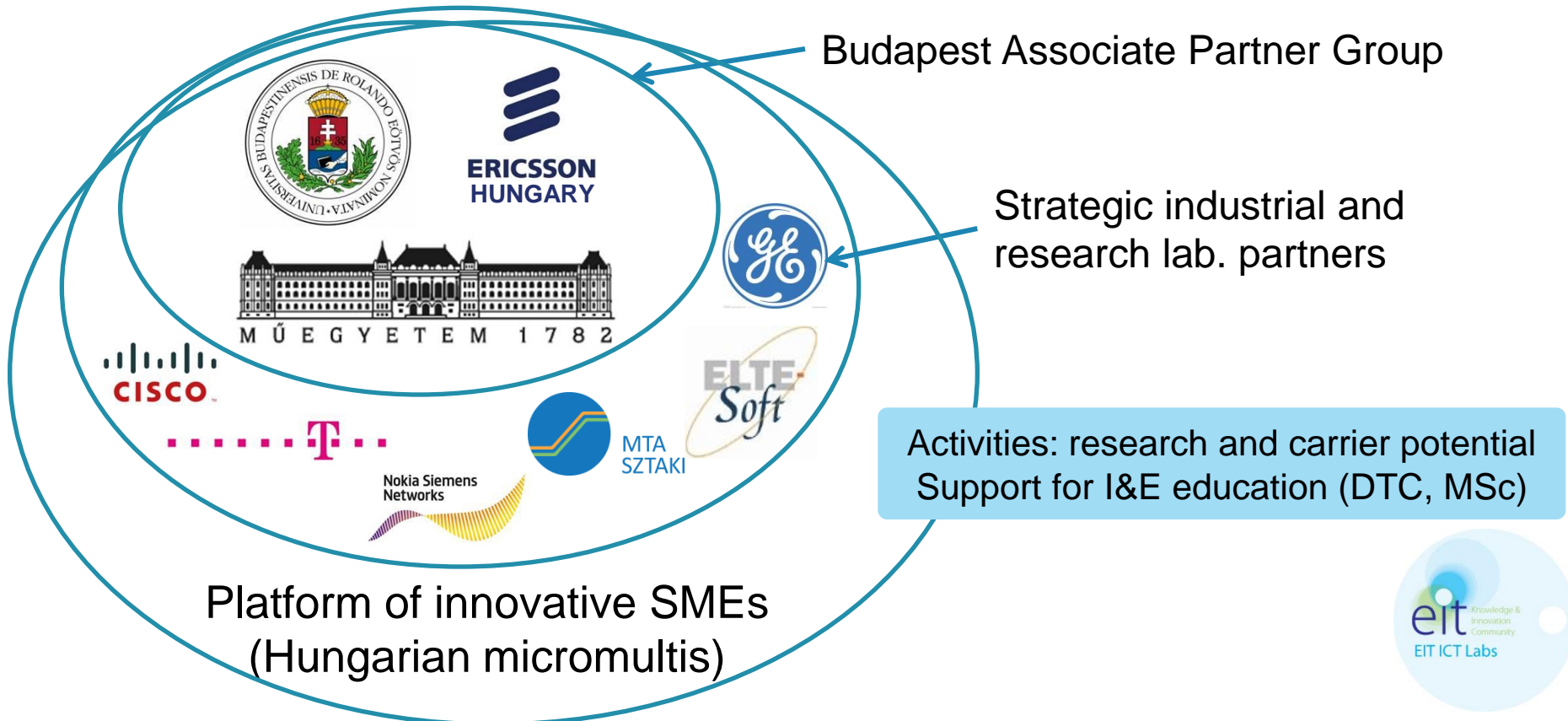
● EIT ICT Labs Node ● Associate Partner



Budapest Associate Partner Group

Goal:

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

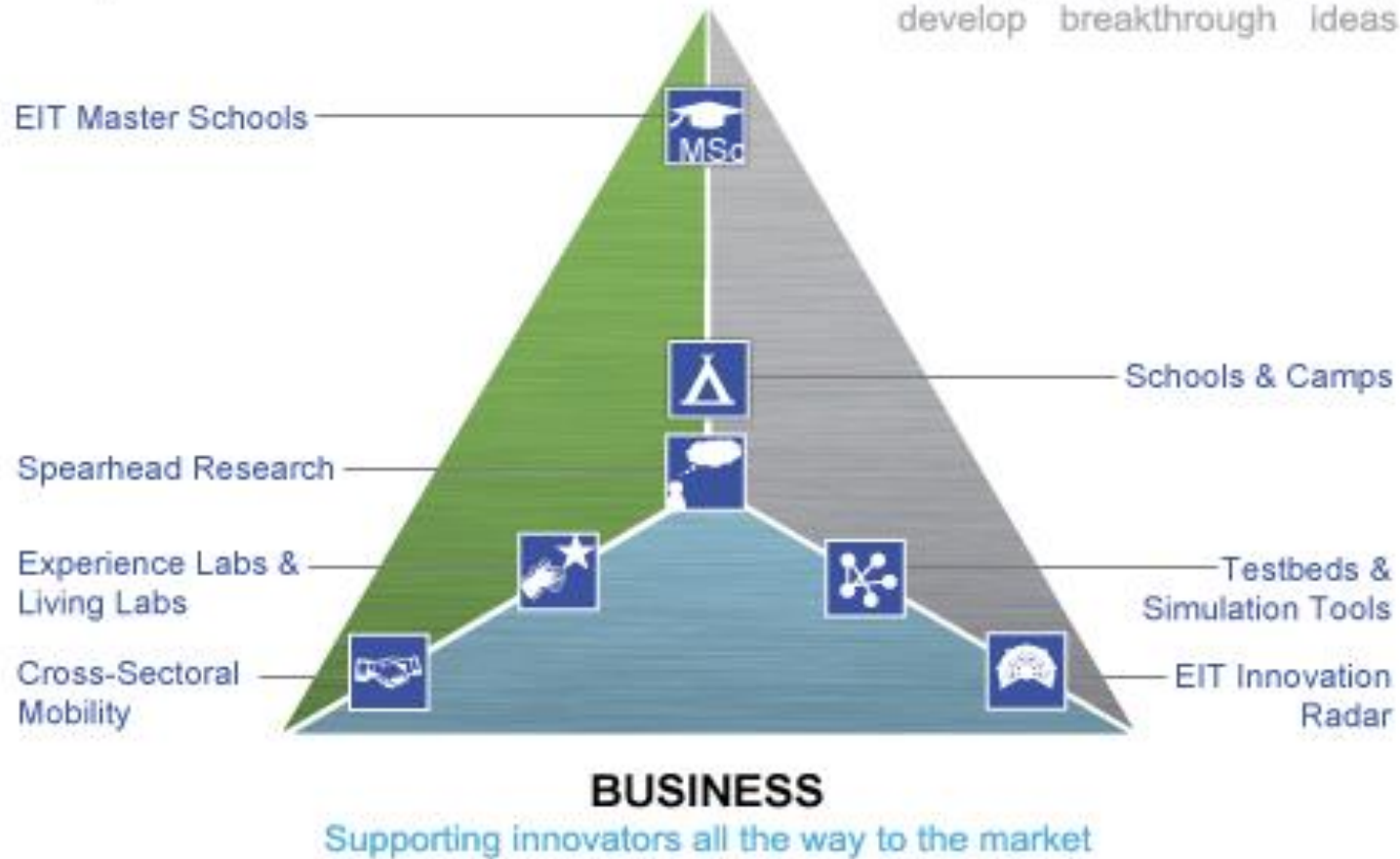


EDUCATION

Creating a new breed of entrepreneurs

RESEARCH

Enabling excellent individuals and multidisciplinary teams to develop breakthrough ideas



„Creating a new breed of entrepreneurs”

Industry driven ICT education – MSc

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.
- ***Budapest became coordinator of the Security and Privacy major.***

EIT ICT Labs Master School Kick-off 2014 October in Budapest

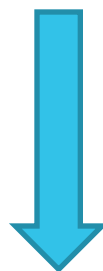
- ELTE is the organizer of the third kick-off ceremony (Stockholm, Berlin)
- I&E training programs and formal events combined
- cca. 500 participants

Business - platform of innovative SMEs

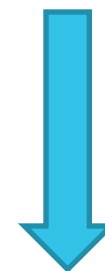
Hungarian micromultis
altogether cca. **30 m EUR**
revenue / year:

- 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



Academy



Industry

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

Startup Activation - EIT ICT Labs

„Supporting innovators all the way to the market”

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

Next training is planned for November 2014...



Research

„Enable excellent individuals and multidisciplinary teams to develop breakthrough ideas”

Researchers + students from universities and industrial partners work together on innovative R&D&I projects.

Their innovation potential is supported by national, European and EIT ICT Labs grants and funds.

Student success stories

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.



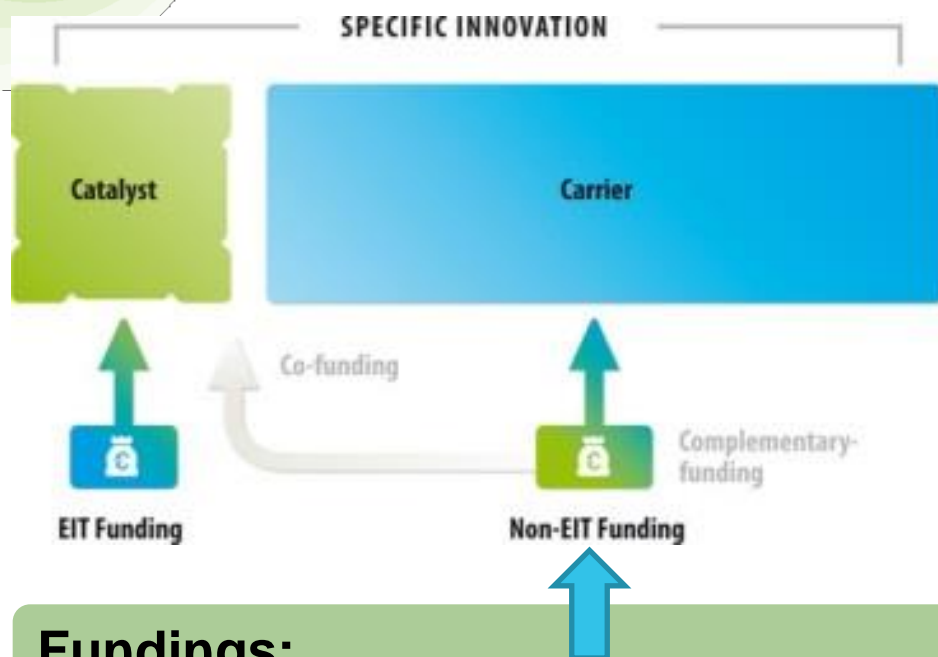
Student success stories

Music game developed by EIT ICT Labs Master student *Ádám Kapos* ranked top in Windows Phone Store

**SongArc: a big app hit
almost 1.000.000 download**



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 serves to realize the innovation cycle

Fundings:

- Industry funded R&D projects
- EU FP7 and national R&D projects
- **Dedicated Research and Technological Innovation Fund 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

2013 & 2014: 12 R&D&I ICT projects

IDENTIFYING THE PROBLEMS OF COMPLEX INFOCOMMUNICATION NETWORKS

Cyber-Physical Systems;
Future Networking Solutions.



CPS For Smart Factories –
András Lőrincz, ELTE

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

FUTURE DIGITAL FIELDS AND MOBILITY

Urban Life and Mobility;
Future Networking Solutions.

HUMAN COMPUTER COLLABORATION

Future Cloud;
Smart Spaces.



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

PRIVACY, SECURITY AND TRUST

Smart Energy Systems.



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

EITKIC_12-1-2012-0001 carrier project 2013-2014

Dedicated Fund from the Research and

Technological Innovation Fund for R&D activities: 1.000.000.000 HUF



A projekt a Kutatási és Technológiai Innovációs Alap támogatásával valósul meg.



Thank you

www.ictlabs.elte.hu

www.eitictlabs.eu