



# Information & Communication Technology Labs General Overview

# European Institute of Innovation and Technology

New EU instrument for promoting innovation in Europe

- Legally established in 2008 as an independent agency within the EU
- Governing board with 18 members

Funds “Knowledge and Innovation Communities”, KICs

- Official call and selection of 3 KICs during 2009

Three proposals were selected in December 2009:

- In the ICT field - EIT ICT Labs
- In the Energy field - KIC Innoenergy
- In the Climate field - Climate-KIC

KICs fully operational in October 2010



# EIT ICT Labs - Strong European Partners

Complete and complementary world-class innovation nodes



+

Associate clusters in Budapest, London, Trento  
Systematic build-up of ICT Labs beyond the initial nodes

► Each node features at least:

- One strong research institute
- One major university
- One European-based multinational company
- Active regional network of SME
- Full national and regional support

# EIT ICT Labs Vision and Mission

- EIT ICT Labs will turn Europe into the global leader in ICT Innovation
- EIT ICT Labs aims at
  - the radical transformation of Europe towards a knowledge-based society
  - turning ICT innovation into quality of life



# EIT ICT Key Messages

We...

- build European trust based on mobility of people across countries, disciplines and organisations
- generate future world-class business building joint European innovation clusters
- improve quality of life through service based applications for the citizens of Europe and beyond
- transform higher education to promote creativity and entrepreneurial spirit
- provide international top talent (experimental) ICT Labs for researchers, innovators and entrepreneurs
- establish five world class innovation centres in Berlin, Eindhoven, Helsinki, Paris and Stockholm



# EIT ICT Labs - Horizons

Self-sustaining  
innovation motor

Growth phase  
(5 years)

Ramp-up phase  
(2 years)

## Attraction by trust and performance

- World leading ecosystem built on trust for value growth
- Sustainable business for partners
- New global players emerging from a continuous flow of high quality startups

## Maximum business potential

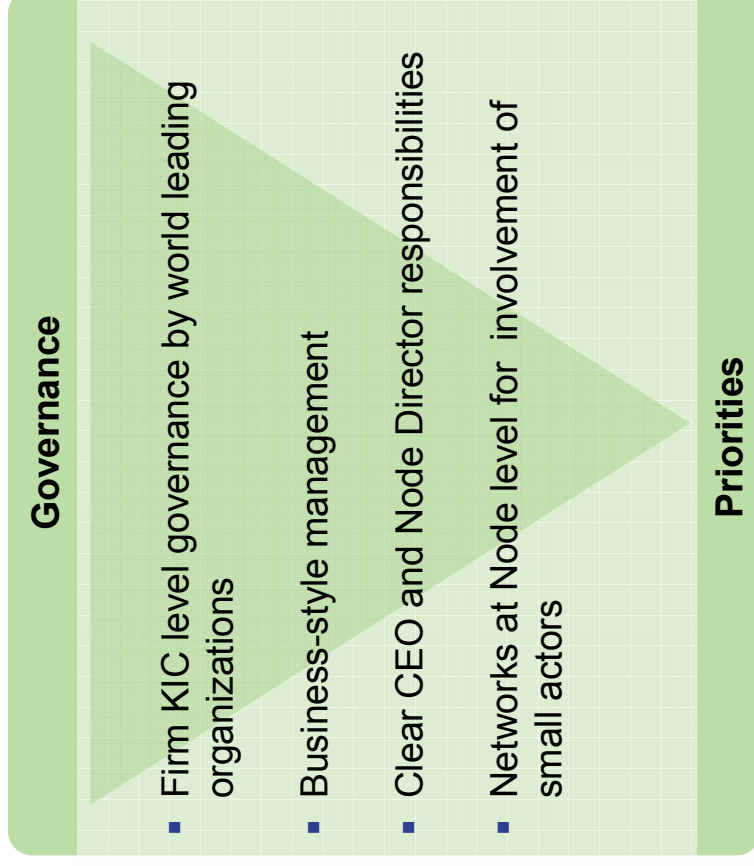
- IPR policy for utilization of IP beyond current practice, recognising that voluntary means are more effective than mandatory licensing
- Attractive venture capital links, including own seed fund
- Regional outreach for full European impact

## Partner commitment

- Trusted team of 5 nodes and 23 major organisations as signatory core partners
- Full commitment by each core partner to align their co-funding activities to the KIC goals
- Undisputable credibility based on track records and financial strength

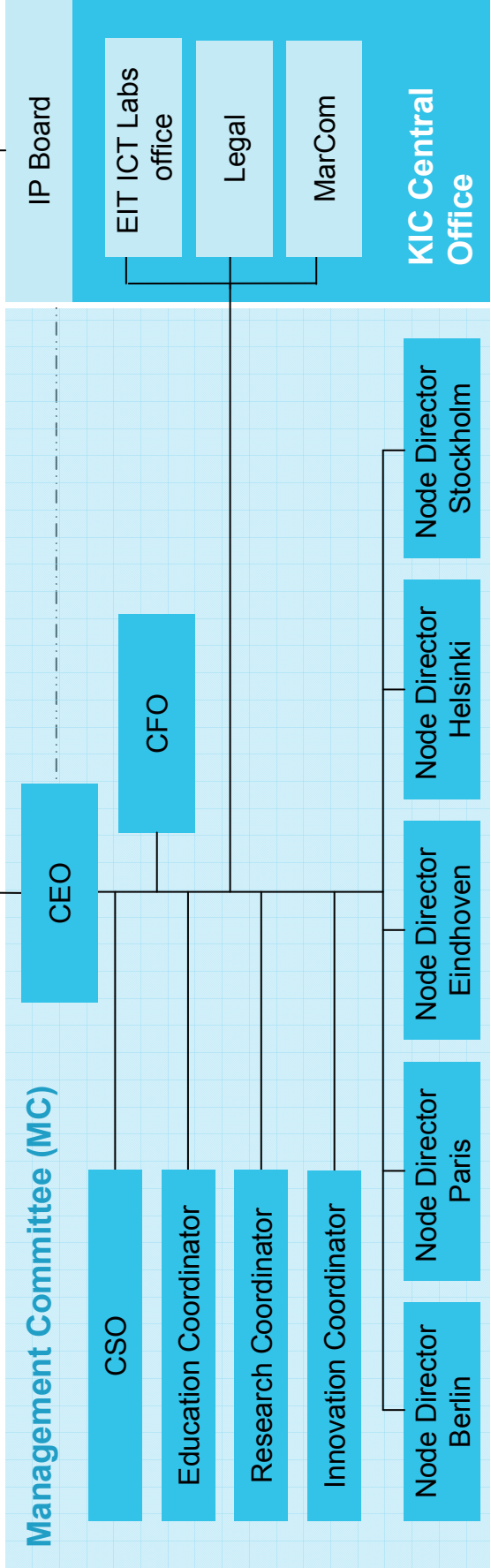
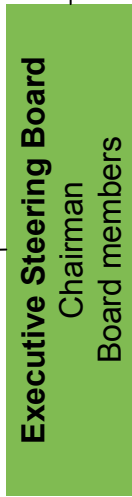
▶ Creating a world leading innovation ecosystem

# Governance for Focus and Agility

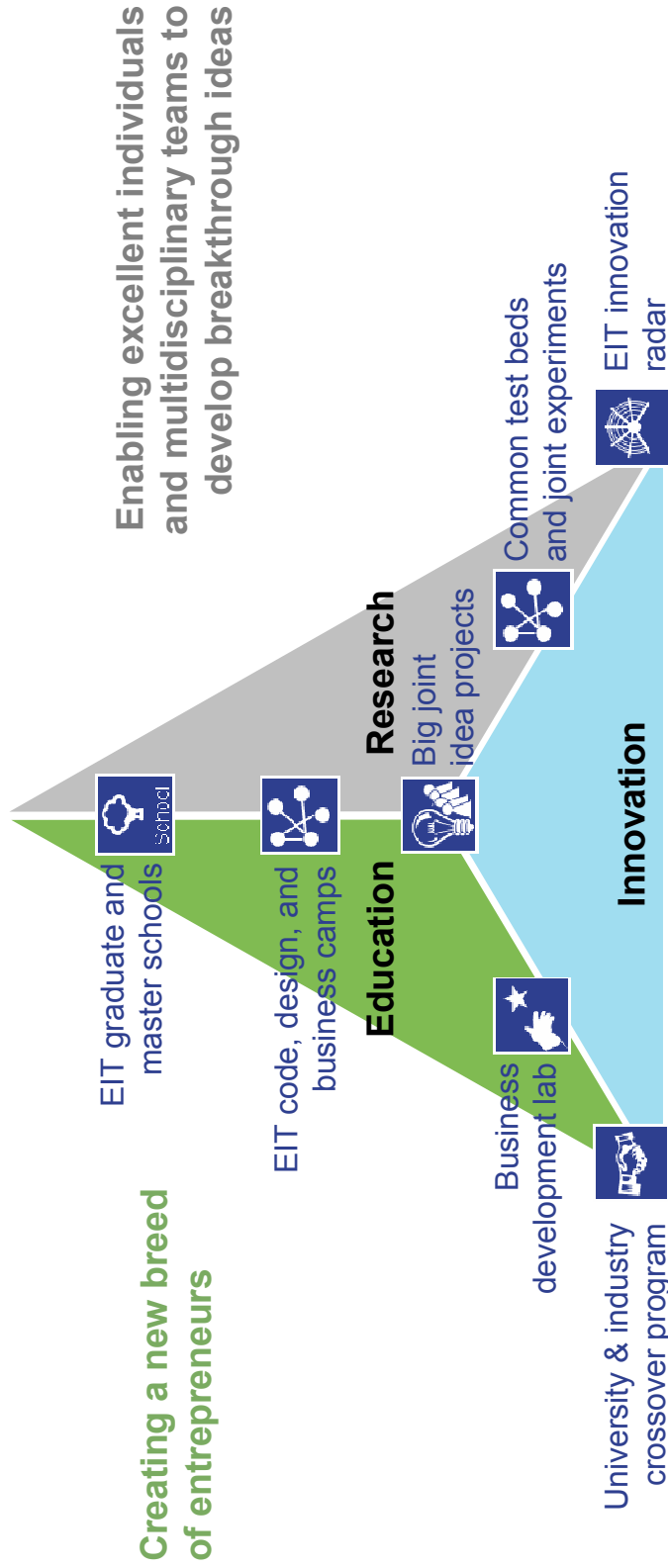


▶ Lean management which ensures rapid and transparent decision making

# EIT ICT Labs Organisation



# EIT ICT Labs Knowledge Triangle



**Creating a new breed of entrepreneurs**

## Supporting innovators all the way to the market

### KPIs

- EIT labeled graduates and PhDs
- Mobility of students and researchers
- Products evolved from research concepts; concepts prototyped on common testbeds
- Awards
- Start-ups with global impact
- Cross-licensing
- Value created by transfer projects



# EIT ICT Labs - Thematic Areas

## Thematic areas

- **Smart Spaces**  
including service-centered home
- **Smart Energy Systems**  
smart energy management, Green ICT
- **Health & well-being** including ambient assisted living,  
digital medicine
- **Intelligent Transportation Systems** novel forms of safer &  
sustainable traffic and transportation systems
- **Future Media and Content Delivery**  
entertainment, education, accessing media
- **Digital Cities**  
towards intelligent and sustainable digital cities

## A Thematic Area ...

- Has an application area with a long-term business objective
- Integrates research, innovation and education
- Has clear leadership
- Must be European-wide
- Integrates relevant technological *competences*
- Has a Strategic Ambition which includes a clear vision and a measurable objective

# EIT ICT Labs - Competences

## Competences

- Cyber-Physical Systems
- Enabling the Internet of the Future
- Communication Technologies
- Computing in the Cloud
- Trust, Security & Privacy
- ICT-Mediated Human Activity
- Techno-Economics
- Innovation and Entrepreneurship in ICT

## Competences...

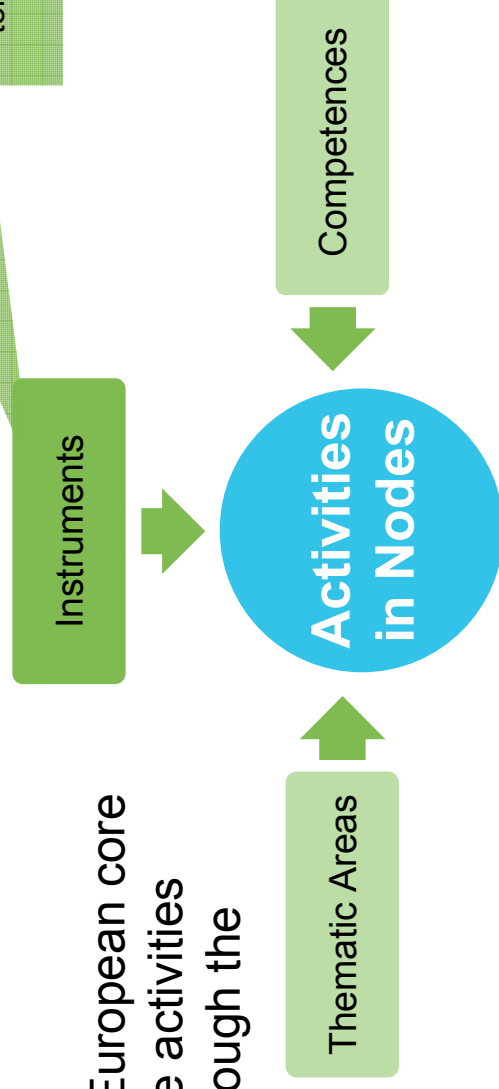
- include people, knowhow, research infrastructure and networks
- can be defined in all related disciplines (e.g. social sciences, business, etc.)
- are used to create networks and jointly attract R&D funding (from all possible sources: EU FP, national)
- identify and exploit synergies between thematic areas
- build on Europe's world-class strengths

# Effective Approach through Instruments

- EIT ICT Labs works through instruments
- Instruments are innovation catalysts
- Instruments are employed to drive innovation in the thematic areas
- Instruments enable the efficient execution of activities and often integrate Education, Research and Innovation
- Building on our European core competences the activities are executed through the collaborating nodes

**ERI-Instruments...**

- can be categorised into Education, Research and Innovation activities, but often integrate all three areas
- will become long-term self-sustainable



# Instruments to Be Implemented

Education Instrument	Research Instrument	Innovation Instrument
<p><b>Graduate School</b> with specialization matching the areas of excellence of nodes and inter-node mobility</p> <p><b>Master School</b> which has an emphasis on hands-on entrepreneurship &amp; mobility across nodes</p> <p><b>Schools and Camps</b> such as code camp (SW development), design camp (product design) and business camps (venturing)</p> <p><b>Outreach Program, Continuous Training and Embedded Learning</b> both for stake holders &amp; non-stake holders incl. professional doctorate</p> <p><b>Mobility Program</b> teacher and student mobility</p>	<p><b>Thematic workshops</b> Consolidate goals and create networks</p> <p><b>Thematic area coordination</b> To facilitate creating added value to chosen thematic areas</p> <p><b>Common testbeds, Labs &amp; simulation tools</b> incl. experience, design &amp; mobile labs</p> <p><b>Research dissemination &amp; networking</b> incl. books, technical reports, DB</p> <p><b>Mobility program</b> including academia &amp; industry crossover program</p> <p><b>Top talent playing field creation</b> for designing KIC management</p> <p><b>Core research</b> target thematic innov. in chosen areas</p> <p><b>Big Joint Idea Projects</b> drive risky ideas with high innovation potential (start 2012)</p>	<p><b>Entrepreneurship Support Systems</b> mentoring, coaching, incubation, ...</p> <p><b>EIT Innovation Radar</b> including cross-node virtual expert panel</p> <p><b>Best-Practice Benchmarking</b> for designing KIC management</p> <p><b>Business and Entrepreneurs Club</b> including Unconferences</p> <p><b>Access to finance</b> ensure capital availability for all stages</p> <p><b>Preventure grants</b> to identify and polish innovation</p>

Thank you  
for your attention!