

*A KIC start for the European Institute of
Innovation and Technology*

eit Knowledge &
Innovation
Community

EIT ICT Labs

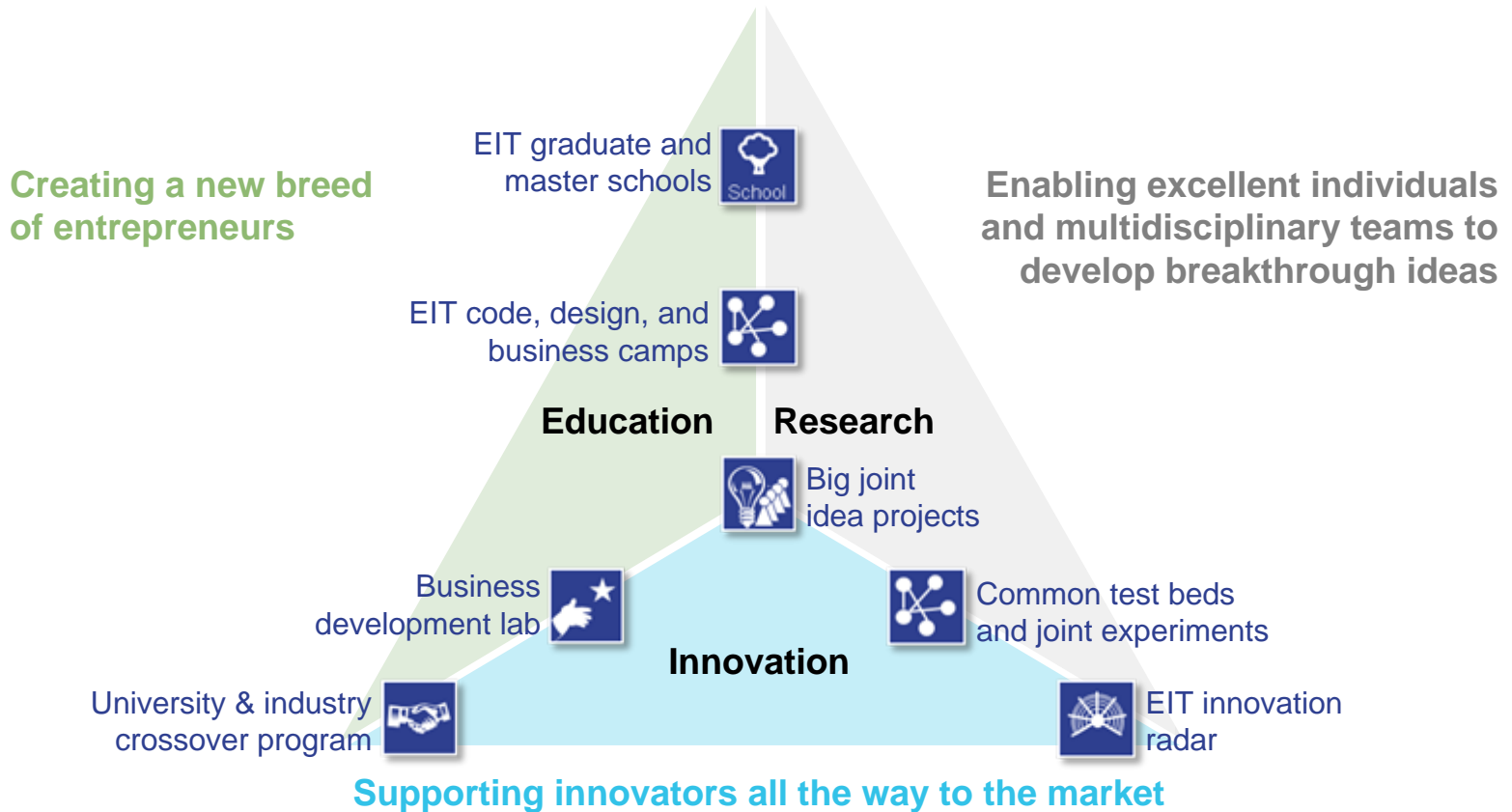
Professor Carl Gustaf Jansson

SICS Open House
April 21, 2010

European Institute of Innovation and Technology

- New EU instrument for promoting innovation in Europe
- Legally established 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 fields - Climate-KIC
- KICs fully operational in October 2010.

EIT ICT Labs Knowledge Triangle















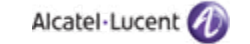




KPIs

- EIT labeled graduates and PhDs
- Mobility of students and researchers
- ERC grants
- Patents granted
- Scientific impact
- Awards
- Start-ups with global impact
- Cross-licensing
- Value created by transfer projects



Strong Partners throughout Europe

Complete and complementary world class innovation hotspots

Berlin	Eindhoven	Helsinki	Paris	Stockholm
    	   <i>sense and simplicity</i>  NOVAY NETWORKED INNOVATION	 	   Pôles de Compétitivité	  

+

Associate clusters in Budapest, London, Trento
Systematic build-up of innovation hot-spots outside our initial nodes

Each Co-location 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



“Towards the Future Information Society”

The EIT ICTLabs Stockholm Node

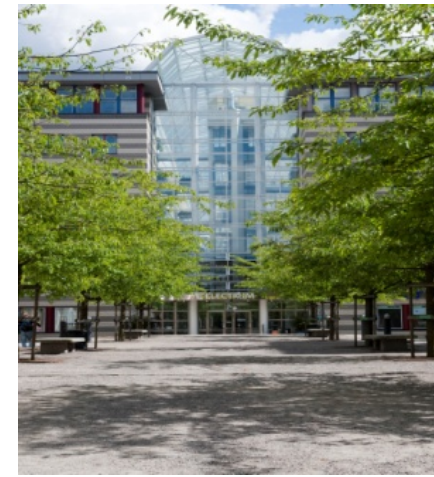


The co-location centre is situated in Kista, in the Electrum building with surrounding industry



Core partners

- *KTH*
- *Ericsson AB*
- *SICS*
- *TeliaSonera*



Potential affiliate partners

- The Electrum Foundation
- Kista Science City AB
- Stockholm Innovation and Growth
- ACREO
- Stockholm University

The scientific focus

Equivalent to the National Swedish Strategic program on IT and Mobile Communication: **ICT – The Next Generation (TNG)**



Funding of a KIC (Based on EIT Call text)

EIT funding - 25 % of turnover

Year	2010	2011	2012	2013
€ (millions)				
e.g. ICTLabs	8	16	22	36
Per Node in ICTLabs (average calculation)	1.2	2.8	4	7

All the above amounts are rough estimates and only indicative.

Co-funding is required - 75 % of turnover

- national/regional
- other EU instruments
- private funding (e.g. industry).



EIT ICT Labs - Commitment

Self-sustaining
innovation motor

Growth phase
(5 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

Ramp-up phase
(2 years)

Maximum business potential

- IPR policy for utilization of IP beyond current practice, recognizing 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 organizations 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

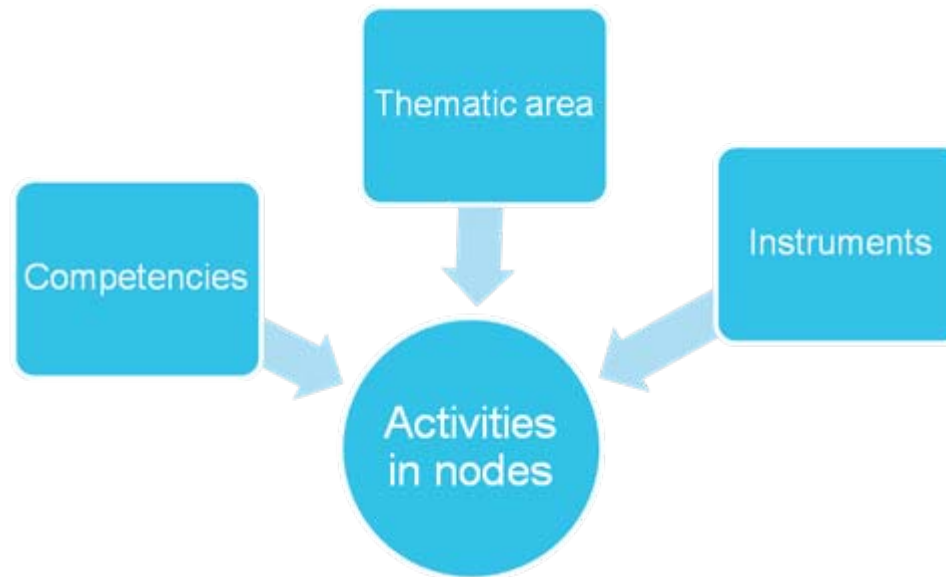
▶ Creating a world leading innovation ecosystem



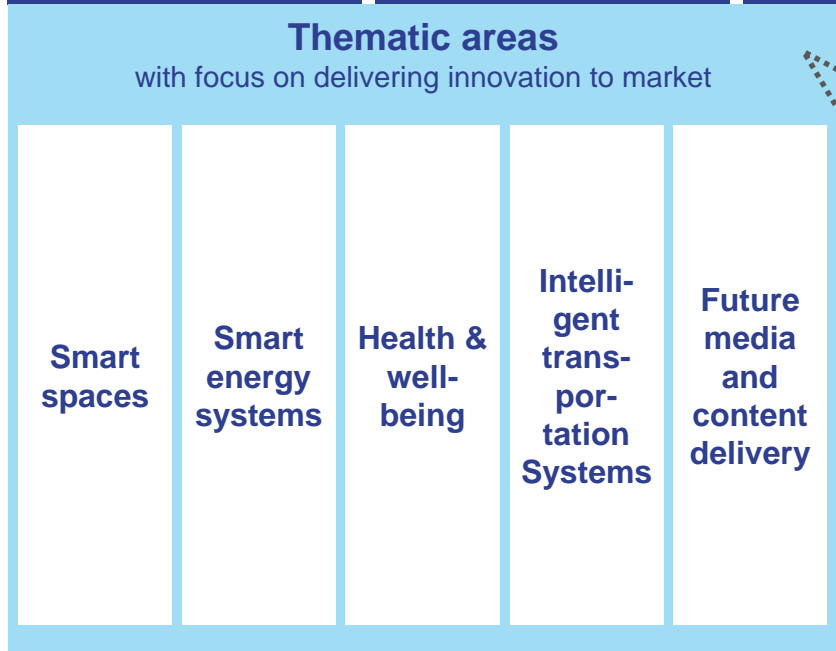
“Towards the Future Information Society”

ICT Labs works through **Instruments**, catalysts to innovations, having an emphasis in Education, Research and/or Innovation

- These instruments are applied through **Activities** in selected **Thematic Areas** building on a set of relevant horizontal technical area: **Competences**.
- Activities are executed through the **co-operating Co-located Nodes**



Elements of EIT ICT Labs



A Thematic Area ...

- Has an application area with a long-term business objective
- integrates research, innovation and education
- has clear leadership, possibly assigned to a node
- must be European-wide
- integrates relevant technological *competencies*
- has a Strategic Ambition which includes a clear vision and a measurable objective



Elements of EIT ICT Labs

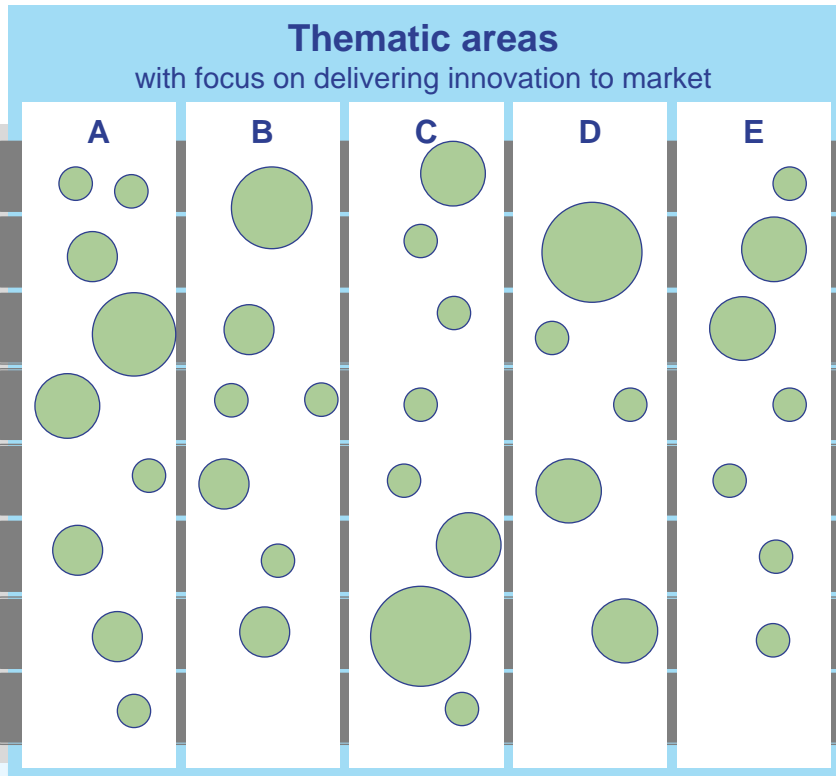
Central organization
 ESB, CEO, CFO, CSO, ERI-Coordinators, Node Managers, offices, travel cost, communication

Co-Location
Berlin

Co-Location
Eindhoven

Co-Location
Helsinki

Co-Location
Paris



- Cyber-Physical Systems
- Enabling the Internet of the Future
- Communication Technologies
- Computing in the Cloud
- Trust, Security & Privacy
- ICT-mediated human activity
- Technoeconomics
- ...

Competencies

Competencies...

- 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)
- Identifying and exploiting synergies between thematic areas

○ Bubble size represents the budget of the activity

Elements of EIT ICT Labs

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ESB, CEO, CFO, CSO, ERI-Coordinators, Node Managers, offices, travel cost, communication

Co-Location
Berlin

Co-Location
Eindhoven

Co-Location
Helsinki

Co-Location
Paris

Co-Location
Stockholm

Thematic areas
with focus on delivering innovation to market

ERI-Instruments...

- serve as innovation catalysts
- are employed to drive innovation in the Thematic Areas
- can be categorized into Education, Research and Innovation activities, but often integrate all three areas
- should become financially self-sustaining

ERI-Instruments
with activities addressing needs of all thematic areas

Education

Research

Innovation

○ Bubble size represents the budget of the activity

Instruments to be implemented in first year

Work in progress

Education activities	Research Instrument	Innovation Instrument
Graduate School with specialization matching the areas of excellence of nodes and inter-node mobility	Thematic workshops	Entrepreneurship Support Systems mentoring, coaching, incubation
	Road mapping	
Master School which has an emphasis on hands-on entrepreneurship & mobility across nodes	Top talent playing field creation	EIT Innovation Radar
Schools and Camps	Common test beds, Labs & simulation tools	Best-Practice Benchmarking
		Business and Entrepreneurs Club
Outreach Program, Continuous Training and Embedded Learning	Research dissemination & networking	
Learning Journey	Mobility program including academia & industry crossover program	Access to finance ensure capital availability for all stages



Swedish contact persons (interim roles)

The Stockholm Node

- Node Director: professor Carl-Gustaf Jansson, KTH
- Assistant Node Director: Karoline Beronius
- Information Officer: Jannecke Schulman

- Representatives for other Core Partners: Ulf Wahlberg (Ericsson), Johan Wickman (Teliasonera), Christer Norström (SICS)

- Research: Professor Seif Haridi and professor Karl Henrik Johansson
- Education: Professor Mikael Skoglund, and professor Jens Zander
- Innovation: Bo Karlsson and Christer Norström

KIC – general level

- CEO – Professor Gunnar Landgren
- Education coordinator – Professor Hannu Tenhunen
- Executive Board member – Magnus Madfors

