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# The EIT and its KICs Good Practices and Learnings

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EIT Awareness Day

Porto, 9 September 2013

# EUROPEAN INSTITUTE OF INNOVATION AND TECHNOLOGY (EIT)

- EIT set up in 2008 (HQ, Budapest) to unlock the European innovation landscape through a **new agenda at EU level**
- EIT is the first initiative of the EU bringing together the **three sides** of the knowledge triangle
- With the entrepreneur in the driver's seat to form the necessary links between education, business and research

**MISSION:**

**"To become the catalyst for a step change in the European Union's innovation capacity and impact"**

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# ABOUT DISCOVERY, INVENTION, TRANSLATION & INNOVATION

1

**Discovery:**
Finding out something not yet known

2

**Invention:**
creating or designing something not existing before

3

**Translation:**
processing discoveries and/or invention into innovation

4

**Innovation:**
making changes with societal impact based on discoveries and/or invention

**Excellent science & research are necessary yet not sufficient ingredients for innovation**

# AGE DISTRIBUTION OF COMPANIES' CONTRIBUTION TO INNOVATION: EUROPE V. US AND OTHERS

Source: author's calculations. Note: Figure based on a sample of 226 companies, obtained from matching firms in the FT Global 500 from 2007 with the 2007 EC-IPTS Top 1000 EU and non-EU R&D scoreboard companies. Leading innovators are thus defined both by their market capitalisation and R&D expenditures. The US has 80 companies in this sample, Europe 86 and other countries 60.

US: approx. **21%**
EU: approx. **2%**

**Bruegel** policy brief 2009 Reinhilde Veugelers

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# NOBEL, CITROEN, SIEMENS = EUROPEAN HISTORY
# BOYER, GATES AND ZUCKERBERG = U.S. REALITY!

**HOW**
**to motivate kids**
**to set up garage**
**companies in**
**Europe?**

**wanted**

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# THE CORE OF INNOVATION IS THE KNOWLEDGE TRIANGLE

ENTREPRENEURIALLY DRIVEN INNOVATION

Actors within the knowledge triangle are at the core of the **innovation web** beyond the traditional collaborative R&D consortia

# EIT DRIVING CROSS-KIC AGENDAS

## EDUCATION

Promoting excellent education for creativity, innovation and entrepreneurship by high quality EIT labelled degree programmes, fostering a vibrant EIT student & alumni community.

## ENTREPRENEURSHIP

Promoting a risk taking mindset and culture by creating more favourable environments for passionate entrepreneurial talent and entrepreneurship driven innovation to flourish.

## WORLD-CLASS INNOVATION

Developing innovative ecosystems to create and grow world-class, breakthrough innovations by exploiting KIC synergies and complementarities at European level (cross-border).

# EIT ADDED VALUE AGENDAS

## MONITORING

Development of an internal mechanism that allows the monitoring of the EIT and KICs' performance and objectives achieved, focusing on achievements, outputs and generation of both economic and societal impact benchmarked against best international practices.

## SIMPLIFICATION

Simplification is a dynamic process, embedded in the EIT operation and an integral part of its supporting function towards the KICs. The EIT will deliver a simplification agenda in key areas such as contractual agreements, simplified reporting, lumps sums and flat rates.

## DISSEMINATION

The EIT must deliver platforms for the knowledge exchange and dissemination of its results and impact via outreach activities such as exchange of good practice, stakeholders platform and the EIT fellowship programme

# EUROPEAN INSTITUTE OF INNOVATION AND TECHNOLOGY (EIT)

The EIT's mission is to facilitate the following transitions:

→ from **idea to product**

→ from **lab to market**

→ from **student/researcher to entrepreneur**

by **integrating the three sides of the Knowledge Triangle** (higher education, research and business) in areas of high societal need.

# THE KIC MODEL (1/2)

- **High degree of integration**: each KIC is an independent legal entity, gathering world-class KIC partners from the knowledge triangle based on a contractual relationship/partnership with the EIT.

- **Long-term strategic approach**: each KIC is set up for a minimum of 7 years to eventually become self sustainable.

- **Sufficient autonomy and flexibility:** to determine organisational structure and activities governed by a Board of KIC partner organisations

- **Effective governance**: run by a CEO and a lean management team at central and co-location level.

# THE KIC MODEL (2/2)

- **Smart funding & high degree of commitment of partners**: EIT funding to KICs is max. 25% of their total budget over time with 75% to be attracted from other sources, both public and private.

- **The co-location model**: each KIC consists of 5-6 world class innovation hotspots building and leveraging on existing European capacities.

- **Results/High-Impact-oriented activities**: KICs implement a Business Plan with measurable deliverables, results and impact

- **Culture:** KICs are shaped by strong entrepreneurial mindsets and cultures

# THE FIRST 3 KICs

Designated in December 2009 by the EIT Governing Board

eit Knowledge & Innovation Community
Climate-KIC

eit Knowledge & Innovation Community
EIT ICT Labs

eit Knowledge & Innovation Community
KIC InnoEnergy

# Climate-KIC

- **Mission:** to accelerate significantly the innovation required for a transformation to a low-carbon economy, and to ensure Europe benefits from new technologies, company growth and jobs
- **Thematic Focus Area:** assessing climate change and managing its drivers, transitioning to resilient, low-carbon cities, advancing adaptive water management and developing zero carbon production systems
- **Governance:** CEO - Mary Ritter, Chairman - John Schellnhuber
- **Partners** inc. Bayer, EDF, GDF Suez, DSM, Schipol Airport ETH Zurich, Imperial College London, Potsdam Institute for Climate Impact Research PIK, Technische Universität Berlin, Forschungszentrum Jülich GmbH, l'Institut national de la recherche agronomique INRA, Delft University of Technology & Utrecht University,…

# KIC InnoEnergy

- **Mission:** To become the leading engine of innovation in the field of sustainable energy.
- **Thematic Focus Area:** energy from chemical fuels, renewables, clean coal technologies, sustainable nuclear and renewable energy convergence, intelligent, energy efficient buildings and cities and European smart electric grid and electric storage
- **Governance:** CEO - Diego Pavia, Chairman - Karl-Friedrich Ziegahn
- **Partners** inc. EnBW, Vattenfall, Karlsruhe Institute of Technology (KIT), Grenoble Ecole de Management, CEA, EDF, VITO, ESADE, Gas Natural Fenosa, TNE, K.U. Leuven, ABB, KTH, AGH University of Technology, Central Mining Institute,…

# EIT ICT Labs

- **Mission:** EIT ICT Labs intends to turn Europe into the global leader in ICT innovation by establishing a new type of partnership between leading companies, research centres and universities in Europe.

- **Thematic Focus Area:** smart spaces, smart energy systems, health and wellbeing, digital cities of the future, future media and content delivery and intelligent mobility and transportation systems

- **Governance:** CEO – Willem Jonker , Chairman – Henning Kagermann

- **Partners** inc. Alcatel Lucent, Fraunhofer, KTH, Nokia, Aalto University, Ericsson, INRIA, Philips, Orange, SAP, Siemens, TRENTO Rise, Universite Paris Sud, Telecom Italia, VTT,...

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# KIC PARTNERS: 2010-2013

In 2013, the three KIC brought together over **350 partners**

# EIT FUNDING: 2010-2013

## *Leverage impact and sources of funding*

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# KICs' EUROPEAN IMPACT & GOOD PRACTICE

**Climate-KIC**:

- Co-location centre
- RIC (Regional Implementation an Innovation Centre)

**EIT ICT Labs**:

- Co-location centre
- Associate Partner

**KIC InnoEnergy**

- Co-location centre

Industry/SMEs
Higher Education Institute
Research Institute
Entrepreneurship
KIC Co-location Centre
Using KIC InnoEnergy as an example

# Aggregated EIT Level Achievements *

## Core KPIs for KICs

| | |
|---|---|
| **14,155** | **Attractiveness of education programmes** ** |
| **108** | **Number of start-ups created** |
| **318** | **Number of new graduates** |
| **146** | **Knowledge transfer and adoption** |
| **404** | **Number of business ideas incubated** |
| **89** | **New or improved products, services, and processes launched** |

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* From 2010 to end of 2013 (foreseen)

** ≈13 applicants per offered seat

# OUTREACH & DISSEMINATION
# 1st Illustrations

First examples of dissemination of its results and impact via outreach activities through the exchange of good practices

EIT Publication: **Catalysing Innovation in the Knowledge Triangle: Practices from the EIT Knowledge and Innovation Communities**

→ publication compiled to showcase the approach - the 'what' and the 'how' - taken by the EIT to catalyse the knowledge triangle (business, higher education and research) in Europe.

# EIT's VISION OF AN "ENTREPRENEURSHIP-DRIVEN IMPACT INVESTMENT INSTITUTE"

- Direct deliverables: **Breakthrough Innovations & People for Europe**! contributing to European excellence, competitiveness and cohesion:
  - KICs' CLCs as world-class innovation hubs working across borders.
  - leveraging entrepreneurship-driven innovation, from local to global

- Induced deliverables: **Reinforce EIT as an Institute for Europe overall**, scaling up its operations in 2014-2020 to secure critical mass and impact:
  - EIT as a knowledge pool and intelligent investor in KICs,
  - including wide dissemination of KIC novel practice across Europe.

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# The Future of the EIT and its KICs

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# EIT Strategic Innovation Agenda (SIA) and its Priorities

→ The European Commission presented a proposal for the EIT Strategic Innovation Agenda (SIA) and the amended EIT Regulation to the European Parliament and Council on 30 November 2011

**1** Investing in KICs: Consolidation of the existing 3 KICs

**2** **Investing in KICs: Creating new KICs (2014 to 2020)**

**3** Enhance EIT impact via knowledge sharing

**4** Enhance EIT impact via simplification & monitoring

# THE FUTURE KICS CALL

# Why?

**2014 - 2020 = 3 KICs + 5 new KICs* = EUR 2.4 bn***

** Based on current agreement between EP and Council – still subject to formal adoption in both EP & Council*

# THE FUTURE KICS CALL

The EIT is an integral part of HORIZON 2020

→ **Proposed themes* for future KICs** (SIA)

**2014**

**2016**

**2018**

** Based on current agreement between EP and Council – still subject to formal adoption in both EP & Council*

# Indicative Roadmap* - Future Call for KICs

**Step 1**

- **EIT to launch the Call for KICs** following the adoption of the Multi Annual Financial Framework (MFF) proposers will be given sufficient time to respond to the call

**Step 2**
[Step 1 + 1 month]

- EIT to organise an **Info Day** event aiming to address specific, logistical etc. questions related to submitting a proposal for the new wave of KICs

**Step 3**
[Step 1 + 6 months]

- **Proposers submit proposals**

**Step 4**
[Step 3 + 4 months]

- **Evaluation process** (incl. external experts)

**Q4/2014**

- **Designation of new KICs by the EIT Governing Board**

** Dependent on the outcome of negotiations*

# DOCUMENTS RELATED TO THE CALL

→ ***KEY DOCUMENTS:***

→ ***CALL TEXT*** (including selection criteria for future KICs)

→ ***FRAMEWORK GUIDANCE TO APPLICANTS***

- EIT Financial Rules
- Criteria and procedures for financing, monitoring and evaluation of KIC activities

# Criteria for the Future KICs Call

** Dependent on outcome of negotiations*

# KIC Selection Process: EIT Triennial Work Programme 2014-2016

- **One single call** for all future KIC themes in 2014
  - Same eligibility and selection criteria for all thematic areas
- **Simplified selection criteria** (more specific, less numerous)
  - Overarching principles: excellence and innovation
- **One proposal** from each of the thematic fields will be designated by EIT GB
- At least **six months** to prepare and submit proposals

# www.eit.europa.eu

LEAD

LEVERAGE

LEARN

CREATE

… Research on the move! …

… Innovation powered by EIT! …

… Entrepreneurs in the making! …