EIT ICT Labs

Laure Le Bars

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EIT awareness day

Contents

Setting the Scene: The need to invest in European ICT innovation

Invest for impact

Take Away

Setting the scene

The need to invest in European ICT innovation

There is an urgent need to strengthen the ICT competence in Europe

ICT is increasingly important for Europe

Less students take up a career in ICT

European industry identifies an ICT competence gap

This will lead to an ICT shortage in Europe in 2015

ICT innovation is driving transformations in society to improve quality of life

Rapid disruptive ICT innovation is a key driver in the creation of a smart mobile world*

ICT transforms the way we …

By linking Education, Research & Business,
EIT ICT Labs will drive European leadership in ICT innovation
for economic growth and quality of life

EIT ICT Labs overall strategy

Mission "Drive European leadership in ICT innovation for economic growth and quality of life"

Strategy

BOOST INNOVATION CAPABILITY

- Link Education, Research & Business
- Build a pan-European ecosystem reinforcing ICT Hot Spots
- Act on Societal Challenges

Foster Excellence & Talent

Core Values Passion for Innovation | Focus on Quality | Drive for Results

Principles Firm commitment | Agile execution | Simple processes | Transparent decisions

Foundation EIT brand | Longevity | Investment Model | Run like a Company

Invest for impact

Achievements

Catalyst-carrier model

Innovation & Business Strategy

EIT ICT Labs Innovation Booster for Technology Transfer and Business Creation

Co-location Centers & Footprint

Our Co-location Centres and Partners

EIT ICT Labs

Berlin

Eindhoven

Helsinki

Paris

Stockholm

Trento

Action Lines

Master School: European Education for ICT top-talents

Innovation Acceleration

> Coupling of 19 top-universities to establish a joint programme of seven tracks and an integrated I&E module of the Master School

> Launch of the 2-year Programme in ICT Innovation

Impact

> 93 highly motivated students enrolled

> alumni network

> Industrial impact of partners in the MS Programme

A pan-European 2 year Master programme in ICT innovation and Entrepreneurschip

Doctoral School: Empowering ICT top talents for the future

Innovation acceleration:

> Launch of Doctoral School in 2012

> Doctoral Training Centre concept is a specific subcase that combines doctoral students, industrial needs and Innovation & Entrepreneurship

Impact

> Enrolment 80 new doctoral students in 2013

> Engaging faculty, Ph.D. students and industry

> six running DTCs.

Doctoral Program on ICT Innovation operating in Doctoral Training Centres within the co-location centres

Health & Wellbeing: Open up the market of stress management

Innovation acceleration:

> Developing research prototype to robust certified products

> Business modeling resulted decisive in start up creation 'Mirror-Mirror' in Sweden

Impact:

> Creation of launching customer Human Capital Care company in the Netherlands

Combining innovative non-intrusive, data mining, & analysis leading to innovative health & wellbeing applications

Smart Spaces: creating business for shop interactive displays

Innovation acceleration:
> Extensive Living Lab experiment proved the customer value
> Transfer technology has been successfully transferred to Deutsche Telekom

Impact:
> Interactive display is currently in use in multiple Deutsche Telekom retail shops
> Start up named Monoid has been created that will focus on diverse market aspects

Smart Energy: Smart grid labs drive new energy management solutions

Innovation Acceleration

> The coupling of stand-alone test beds to a pan-European facility, used for simulation of micro grid management and energy consumption forecasting

> State-of-the-art smart grid management knowledge transfer to students

Impact

> Imminent deployment of improved micro grid management in Stockholm Royal Seaport

> Deployment of energy consumption forecasting algorithms in pilot for Stadtwerke Saarlouis

Cloud Computing: creating market opportunity for real-time web

Innovation Acceleration

> Two complementary, separate EIT ICT Labs protocols for standardization are proposed to EITF. Protocols aim at improving the users experience by delivering real time video with higher quality and reliability than is possible today over the Internet, including HD video and 3D video of the future.

Impact:

> Future video performance will improve

> Creating of business potential for companies to build new products on the EIT ICT Labs standards as proposed to IETF.

Investigation of feasibility of cloud computing for conversational Internet and web applications

Relationships

Alignment with European innovation programs is crucial to the success of EIT ICT Labs

FUTURE INTERNET PPP

The success of EIT ICT Labs will highly depend on fruitful collaboration with national and regional innovation programs

EIT ICT Labs Business Plan 2013
Target & Focus

Target INDUSTRIAL and SOCIETAL CHALLENGES

Focus on IMPACT and DELIVERY

Target the right CARRIERS

Focus on the right ERB catalysts

Take away

EIT ICT Labs is consistently scaling up

Industrial focus & involvement is growing

Education is consolidated and expanded

Research is targeted towards entrepreneurship and application

Thank you!

Any questions?