

The logo for EIT ICT Labs is a circular emblem with a white border. Inside, there are several overlapping circles in shades of blue and green. The text 'eit' is written in a lowercase, sans-serif font. To its right, the words 'Knowledge & Innovation Community' are stacked vertically in a smaller font. Below 'eit', the text 'EIT ICT Labs' is written in a blue, sans-serif font.

eit Knowledge &
Innovation
Community
EIT ICT Labs

Education Catalysts 2015

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Education Catalyst Philosophy



- Education catalysts aim **to breed ICT talents with I&E** skills as well as to educate professionals on the most recent ICT development
- I&E Skill development will drive entrepreneurial behavior of MSc and PhD which is the EIT ICT Labs added value brought to students via the **EIT ICT Lab Master and Doctoral School.**
- **Educating and keeping professionals up to date** with most recent ICT innovations coming from our Action Lines via **workshops** and **Summer Schools** is essential for the market take-up of these innovations.
- In order to reach wider audiences the development of **disruptive education methods** such as **life-long learning** and **distance education** is essential to maintain a pro-active ICT workforce in Europe (towards **EIT ICT Labs Professional School**)

Action Lines in Education - Call 2015



- **Master School (MSL)**
 - *Create T-shaped professionals with state-of-the-art technical excellence in key ICT areas*
 - 2014 – 1 proposal

- **Doctoral School (DSL)**
 - *Create ICT PhDs with a strong background in Innovation & Entrepreneurship*
 - 2014 – 1 proposal

- **Professional School (PSL)**
 - *Raise the ICT competence level of Europe's professionals, especially in those key ICT areas that are covered by the **EIT ICT Labs Action Lines**, via **blended learning** packages of technology updates with **peer-education**.*
 - **NEW**

- **Education Catalyst Development**
 - *Quality Assurance: Quality assessment and learning enhancement*
 - *Other..*

Catalysts 2015 Overview



KIC Infrastructure Catalysts

KIC Management reserved for central management	Co-Location Centres lead Nodes and CLCs towards world-class innovation hotspots	Innovation Radar create strategic business intelligence on the future of ICT for defining the innovation portfolio of EIT ICT Labs
Innovation Leader leads an Action Line or Activity towards its goals	CLC Mobility Program foster inter-CLC mobility of educators, researchers and innovators	

Education Catalysts	Research Catalysts	Business Catalysts
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EIT - I&E Education Program
provide integrated I&E education fulfilling the EIT label requirements

EIT Labelled Program Management
provide a platform for EIT labelled education

I&E Education Events
provide KIC branded education modules, events, and Summer/Winter Schools relevant for and integrated with Action Line Activities

Disruptive Education Modalities
provide new education formats such as remote and life long education and industry driven education

Scholarships for EIT Labelled Education Programs
attract top talent students to participate in EIT labelled education programs

Innovation Opportunity Scouting
identify and define a technology-based innovation opportunity

Technology Maturation
raise the maturity of a technology-based innovation opportunity towards exploitation

Technology Experimentation
validate experimentally the technical, user and/or business performance of a technology-based innovation

Open Source Booster
boost the exploitation of OSS by industries and relevant communities

Standards Booster
identify and promote contributions from KIC activities to standards

Business Modelling
develop business scenarios and business models to increase the success rate of innovation incubation

Technology Transfer
develop and execute exploitation plans for mature technological innovations

Strategic Coaching
develop and execute “Go-To-Market” and growth strategies

Soft Landing
accelerate European growth of innovative companies

Access to Finance
support the access to capital and increase investment readiness

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Scholarships for EIT Labelled Education Programs



Attract top talent students to participate in EIT labelled education programs

Scope of the work: The scholarships for EIT labelled education programs serve the purpose to **attract top talent students to EIT labelled education programs** up to the point that the EIT and the KIC brands are strong enough to attract a critical mass of self-funded students.

Innovation goal: The scholarships for EIT labelled education programs are only awarded based on academic and entrepreneurial excellence. All **applicants are systematically evaluated** and awards strictly follows the evaluation scores. (The scholarships honour all GA2014 Annex IV regulations with respect to the scholarship criteria and maximum amounts.)

Outputs: Innovative and entrepreneurial graduates with an EIT identity having been funded by scholarships for EIT labelled education programs

Performance indicators:

- # applicants to scholarships for EIT labelled education programs
- # graduates supported by scholarships for EIT labelled education programs

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EIT - I&E Education Program

Provide integrated I&E education fulfilling the EIT label requirements



Scope of the work: Covers the **embedding of I&E education in new and existing Masters and Doctoral programs**

Innovation goal: In-depth student exposure to and experience on I&E to enable them to meet the **EIT label learning outcomes** that significantly will increase their employability, short and long term

Outputs: Innovative and entrepreneurial graduates with an EIT identity

Performance indicators:

- # eligible applicants for EIT labelled PhD and Masters programs
- # graduates from EIT labelled PhD and Masters programs

EIT Labelled Program Management

Provide a platform for EIT labelled education



Scope of the work: Covers work needed to **develop and run EIT labelled programs** at partner universities, **implement a Quality Assurance system** securing the EIT label and serving as a guidance for educational activities, and to create and **implement an integrated recruitment / scholarship process**

Innovation goal: A highly branded “**EIT University**” within and in **collaboration with ICT Labs partner universities**

Outputs: EIT labelled graduates

Performance indicators:

- # eligible applicants for EIT labelled PhD and Masters programs
- # graduates from EIT labelled PhD and Masters programs

Catalysts 2015 Overview



Education Catalysts

I&E Education Events

provide KIC branded education modules, events, and Summer/Winter Schools relevant for and integrated with Action Line Activities

Disruptive Education Modalities

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I&E Education Events



Provide KIC branded education modules, events, and Summer/Winter Schools relevant for and integrated with Action Line Activities

Scope of the work: Covers the development and delivery of **short education programs, modules, and events integrated to Action Lines**

Innovation goal: To increase rate the number of innovations from students and their involvement in the catalyst work of Action Lines

Outputs: Student-originated innovations and students linked to catalyst work in Action Lines

Performance indicators:

- # applicants to EIT ICT Labs branded education programs
- # graduates from EIT ICT Labs branded education programs

EIT funding: Simplified cost models of GA2014 Annex IV, if applicable. Otherwise real cost of venue, materials, and miscellany up to 10 k€, travel up to 500 € and living costs up to 120 € for participant and day. Lecturing honoraria 150 €/h.

Disruptive Education Modalities



Provide new education formats such as remote and life-long education and industry-driven education

Scope of the work: Covers the **development and implementation of eLearning and virtual university concepts** as a part of the Master and Doctoral school programs and as a tool for an increase of **Action Line educational efforts towards students and ICT professionals**. Also to make industry an active partner in students in the teaching of students I&E competencies.

Innovation goal: Enhance the students' learning experience and give them a broader basis for innovation work. Create an EIT ICT Labs identity.

Outputs: Increased I&E added value in all EIT ICT Labs education. Academy Cube educational eLearning and virtual curricula.

Performance indicators:

- # number of successfully launched new educational methods, processes and activities improving relevance and quality
- # applicants to EIT ICT Labs branded education programs
- # graduates from EIT ICT Labs branded education programs

Education Catalyst Framework



Catalyst	Target group	Value added	EIT Key Performance Indicator	KIC Performance Indicator
EIT - I&E Education Program	Students in EIT ICT Labs Master and Doctoral Schools	Innovation & Entrepreneurial competences added to conventional ICT programs	# eligible applicants for EIT labelled PhD and Masters programs # graduates from EIT labelled PhD and Masters programs	
EIT Labelled Program Management	ICT Labs faculty / students /university partners	Adding the EIT labelled program infrastructure and quality processes on top of existing ones	# eligible applicants for EIT labelled PhD and Masters programs # graduates from EIT labelled PhD and Masters programs	
I&E Education Events	Students in other master / doctoral schools, ICT professionals	Adding new knowledge and competences created by R&B catalysts within Action Line	# applicants to EIT ICT Labs branded education programs # graduates from EIT ICT Labs branded education programs	
Disruptive Education Modalities	ICT students, graduates, professionals and executives	Creating innovative learning processes linked to the EIT ICT Labs educational vision	# applicants to EIT ICT Labs branded education programs # graduates from EIT ICT Labs branded education programs	# number of successfully launched new educational methods, processes and activities improving relevance and quality
Scholarships for EIT Labelled Education Programs	Students	Top talent students participate in EIT labelled education programs		# applicants to scholarships for EIT labelled education programs # graduates supported by scholarships for EIT labelled education programs

Education KPIs



# eligible applicants for EIT labelled PhD and Masters programs [EIT 01.01]	EIT KPI
# graduates from EIT labelled PhD and Masters programs [EIT 02.01]	EIT KPI
# applicants to EIT ICT Labs branded education programs [EIT 01.02]	EIT KPI
# graduates from EIT ICT Labs branded education programs [EIT 02.02]	EIT KPI
# applicants to scholarships for EIT labelled education programs	KIC KPI
# graduates supported by scholarships for EIT labelled education programs	KIC KPI



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