



European Institute of
Innovation & Technology



Making innovation happen!

Visit by BLACK SEA HORIZON Bi-regional cluster
networking and business exchange group



The EIT is a body of the European Union

Katerina Sereti, Seconded National Expert | Budapest | 12 Sept 2017

European Institute of Innovation and Technology

Our vision is to become the leading European initiative that empowers innovators and entrepreneurs to develop world-class solutions to societal challenges, and create growth and skilled jobs.

- 1st EU initiative bringing together the three sides of the 'knowledge triangle': business (companies and SMEs), education institutions and research centres.
- aim to increase the cooperation and integration between higher education, business and research to facilitate the transition from:



**student to
entrepreneur**

idea to product

lab to customer

EIT – an integral part of

HORIZON 2020



The EIT contributes to H2020 by addressing societal challenges via the integration of the knowledge triangle



H2020 has a budget of approx. € 75 billion for 2014 to 2020, out of which the EIT has been allocated € 2.4 billion



The EIT will further nurture synergies and complementarities across H2020 and its different initiatives



EIT priorities 2014 – 2020

1

Fostering
growth & impact of
first 3 innovation
communities

EIT Climate-KIC

EIT Digital

EIT InnoEnergy

2

Creating
5 new innovation
communities

2014

EIT Health

EIT Raw Materials

2016

EIT Food

2018

EIT Manufacturing

EIT Urban Mobility

3

**Sharing and
Disseminating**

EIT Community
good practices

Inc. EIT Regional
Innovation Scheme
(EIT RIS)



EIT's 2018 Call for two new Innovation Communities



EIT Urban Mobility*

Smart, green and integrated transport



EIT Manufacturing relaunch*

Added-value manufacturing

EIT's Innovation Communities

EIT Climate-KIC



EIT Digital



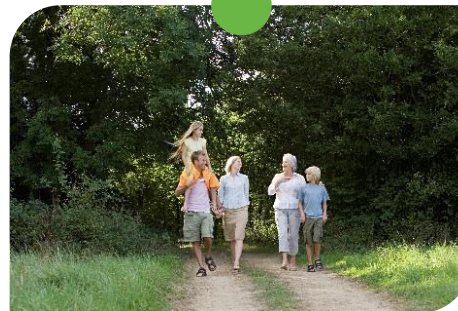
EIT InnoEnergy



EIT Raw Materials



EIT Health



EIT Food





EIT Model

- **High degree of integration:** each EIT innovation community is an independent legal entity, gathering world-class partners from across the knowledge triangle based on a contractual relationship/partnership with the EIT.
- **Long-term strategic approach:** each EIT innovation community is set up for a minimum of 7 years to eventually become financially sustainable.
- **Autonomy & flexibility:** to determine organisational structure and activities governed by a Board of partner organisations.
- **Effective governance:** run by a CEO and a lean management team at central and Co-location Centre level all implementing the Principles of Good Governance.



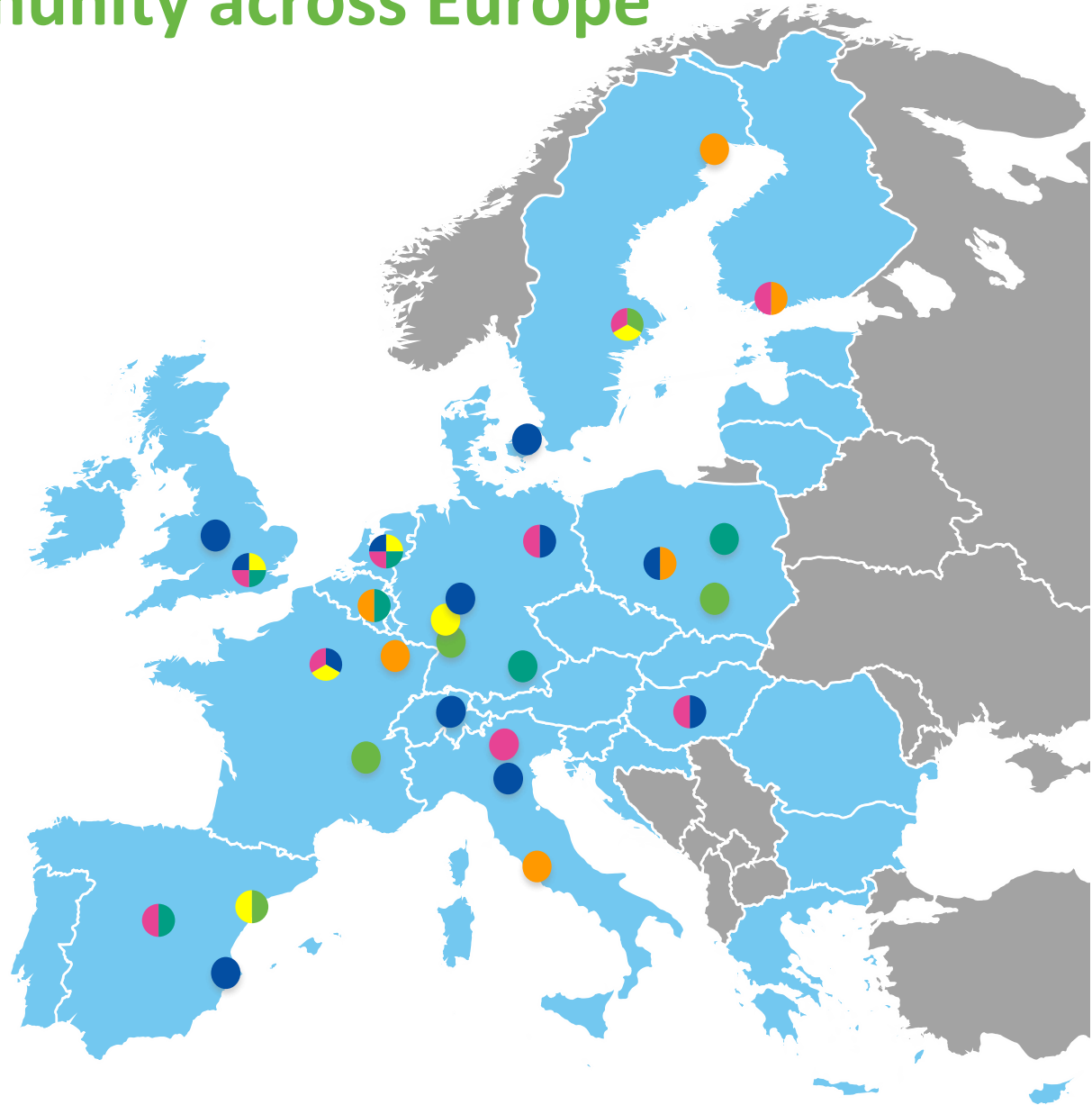
EIT Model

- **Co-location Centres:** each EIT innovation community consists of innovation hubs leveraging on existing capacities and building pan-European networks.
- **Smart funding & high degree of commitment of partners**
- **Results & high impact oriented activities:** EIT innovation communities implement a Business Plan with measurable results and impact.
- **Synergies & complementarities:** with EU, national, regional and local initiatives
- **Outreach** incl. EIT Regional Innovation Scheme
- **Culture:** EIT innovation communities are shaped by strong entrepreneurial mind-sets and culture.



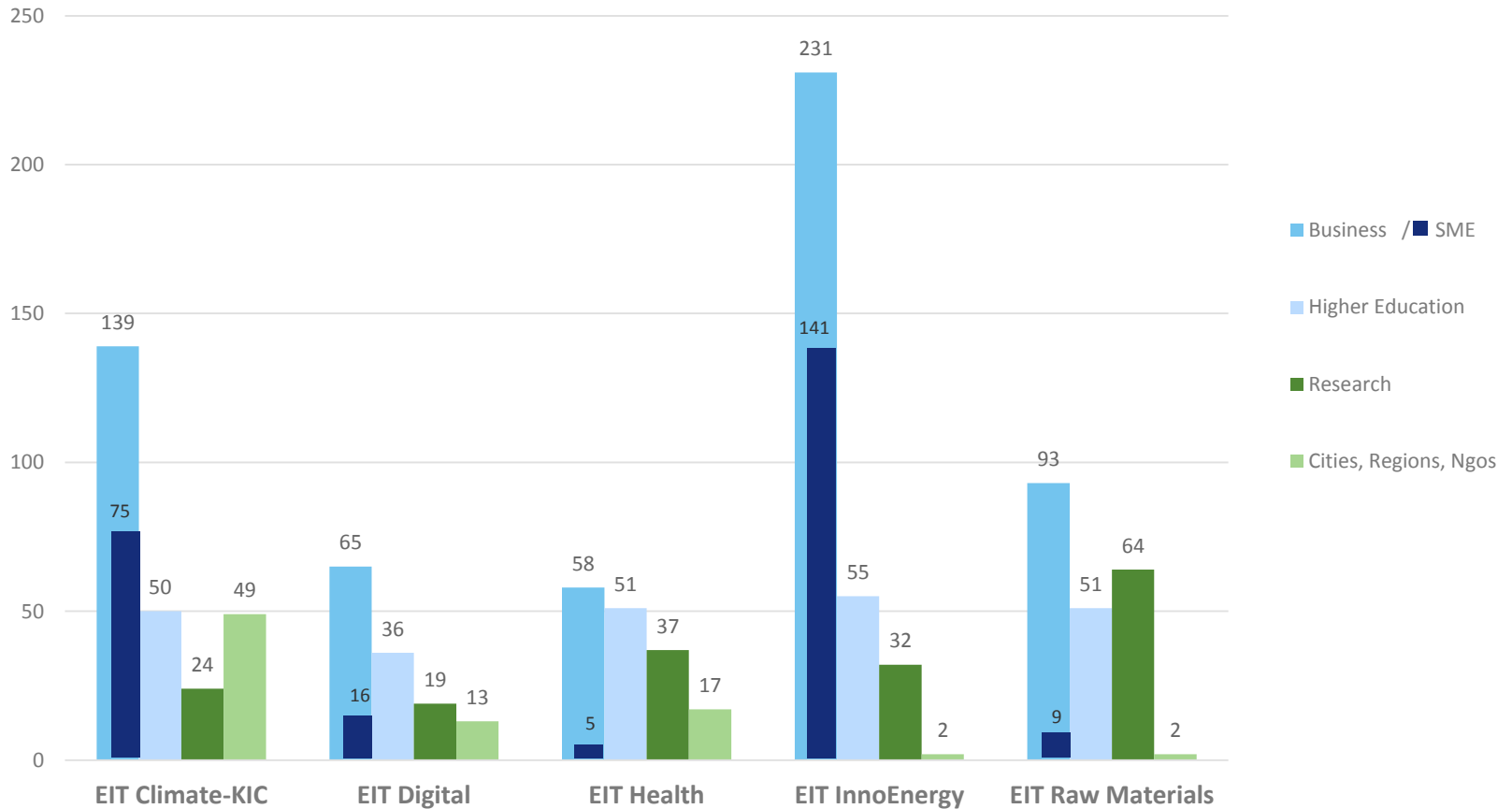
EIT Community across Europe

- EIT Climate-KIC
- EIT Digital
- EIT Food
- EIT Health
- EIT InnoEnergy
- EIT Raw Materials



Overview of EIT Community partners

Today, the EIT Community brings together more than **1000** partners:



EIT Community achievements

The EIT's Innovation Communities are growing into thriving European innovation hubs:



1224

number of graduates



305

number of start-ups created



430

number of new or improved products, services and processes launched



2242

number of business ideas incubated



1232

number of knowledge transfers/adoption

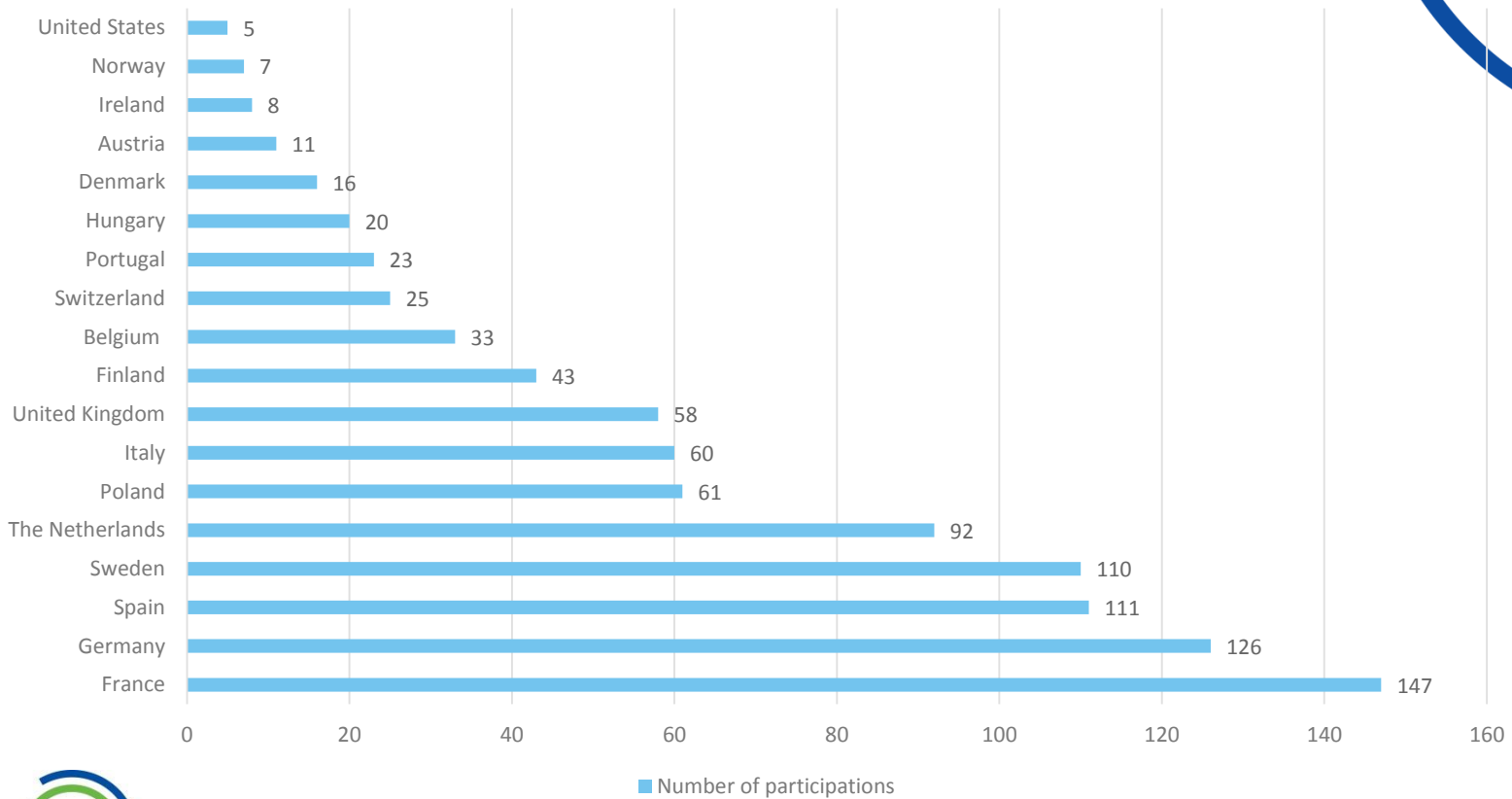


European Institute of
Innovation & Technology

Figures – August 2017

Where do EIT Community Partners come from?

Number of partners per country



EIT Regional Innovation Scheme (EIT RIS) Objectives

- Contribute to enhancing of the innovation capacity in **moderate and modest innovators*** Member States and Horizon 2020 Associated Countries.
- Share and transfer good practices of **knowledge triangle integration** to widen participation in EIT KIC activities.
- **Allow for synergies and efficiency gains** in regions that have been designing **Smart Specialisation Strategies** and are looking for a better integration of the Knowledge Triangle to boost their innovation capacity.



EIT Regional Innovation Scheme

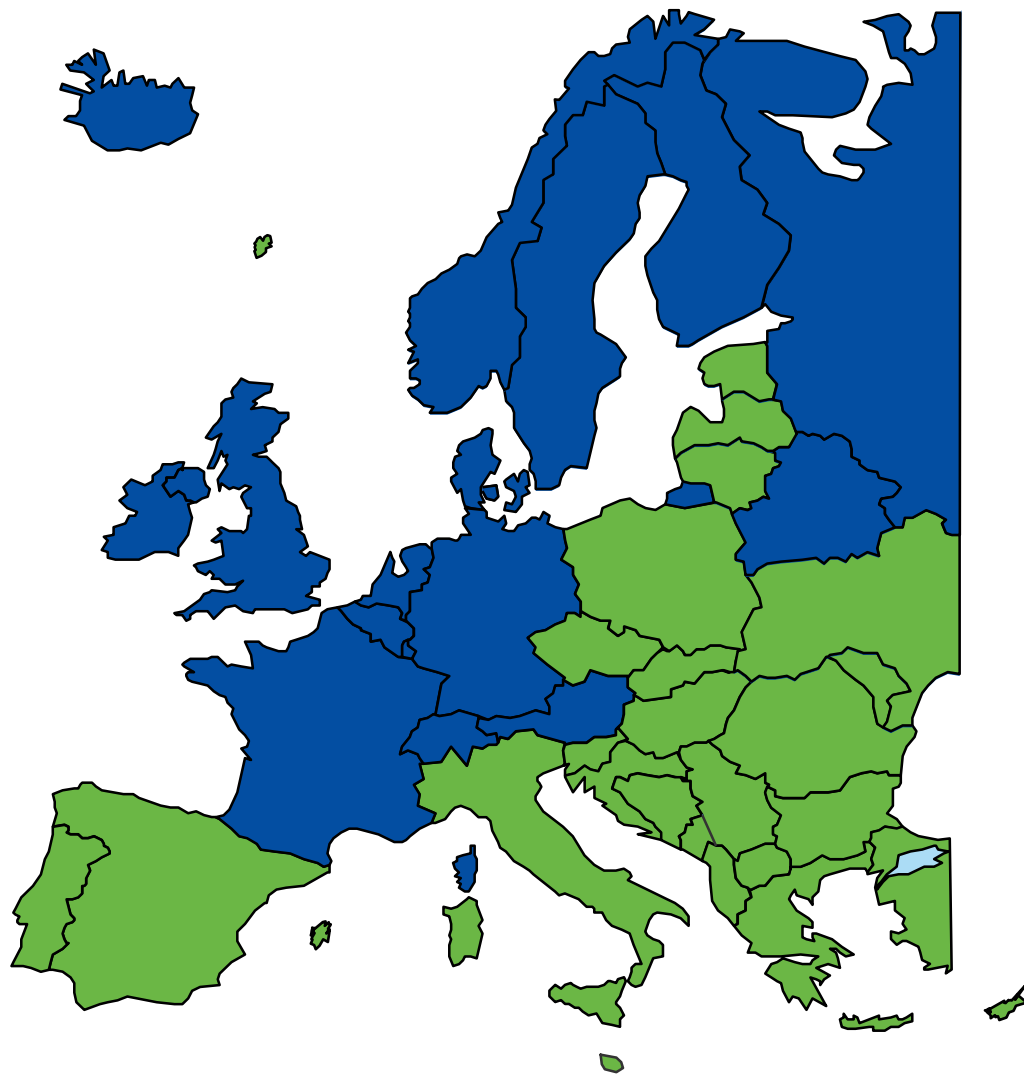
EU-13 share of funding and participation (EIT-KIC grants 2015)

Funding: 8.3% (Horizon 2020: 4.7%) - Participation: 11.3% (Horizon 2020: 7.8%)

Eligible countries:

- 1) Bulgaria
- 2) Croatia
- 3) Cyprus
- 4) Czech Republic
- 5) Estonia
- 6) Greece
- 7) Hungary
- 8) Italy
- 9) Latvia
- 10) Lithuania
- 11) Malta
- 12) Poland
- 13) Portugal
- 14) Slovakia
- 15) Slovenia
- 16) Spain
- 17) Romania
- 18) Albania
- 19) Armenia
- 20) Bosnia and Herzegovina
- 21) Faroe Islands
- 22) Former Yugoslav Republic of Macedonia
- 23) Georgia
- 24) Moldova
- 25) Montenegro
- 26) Serbia
- 27) Turkey
- 28) Ukraine

* Based on the Regional Innovation Scoreboard 2016/
group of Moderate and Modest innovator



Our vision is to become the leading European initiative that empowers innovators and entrepreneurs to develop world-class solutions to societal challenges, and create growth and skilled jobs.



EIT Community women entrepreneurs finalists of the EU prize for women innovators

INNOVEIT 2017: Meet the EIT Community

The EIT's Innovation Forum 'INNOVEIT 2017' combines the EIT Awards and the EIT Stakeholder Forum. This year has a specific focus on shaping the future of innovation in Europe and consulting stakeholders on the EIT's Strategic Innovation Agenda for 2021 to 2027.

Join and meet the EIT Community as well as other innovation stakeholders at INNOVEIT 2017 on 16-17 October in Budapest

innoveit.eu





eit.europa.eu

Innovate with us!



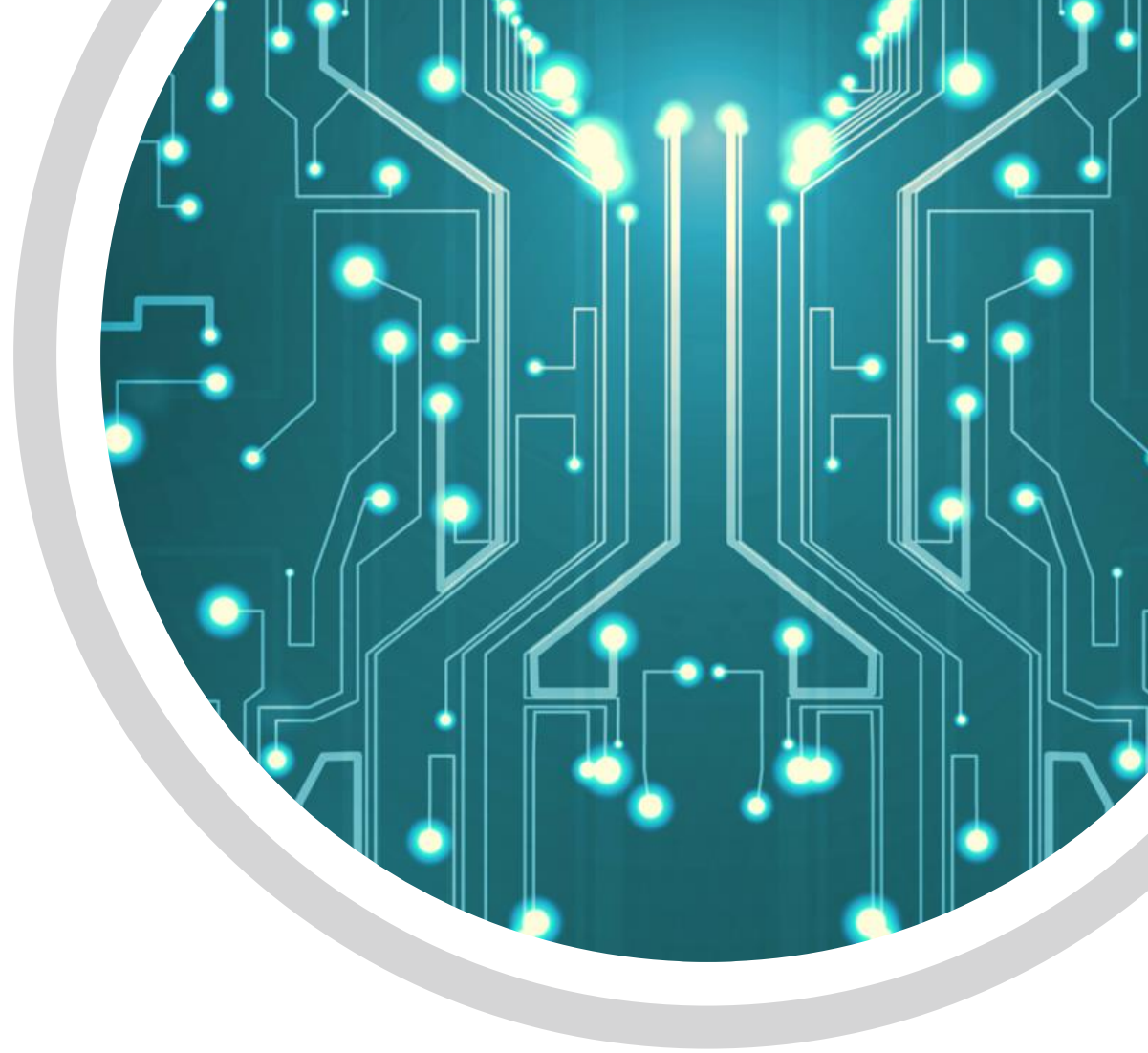
The EIT is a body of the European Union

 @EITeu

 EITnews

 EIT

 EITeu



EIT Digital and ARISE Europe

Driving Europe's Digital Transformation

Pillars of our Strategy



Innovation &
Entrepreneurship

Entrepreneurial
Education

Pan-European Ecosystem



Research-based Innovation

Grow & go (to market)



EIT Digital @EIT_Digital · 22/11/2016
From #BigData to Big Deals : @3cix lands first contracts with South of France [okt.to/8s3wiu](https://twitter.com/3cix/status/803371018) #DigitalCities #innovation #tourism



an EIT Digital initiative



EIT Digital @EIT_Digital · 02/10/2016
For our German readers: @DEKRA_Automobil @Astrata_Europ setzt auf #wearable Fit to Perform #telematic #mHealth bit.ly/2diDqQI



FIT2 PERFORM
An EIT Digital Initiative

Entrepreneurship - EIT Digital Accelerator

Scaling up European digital ventures

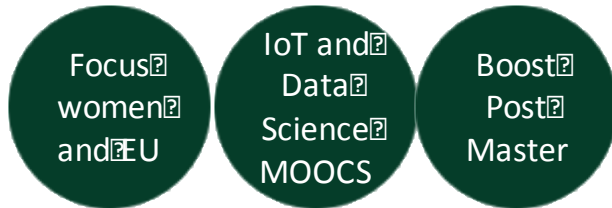


Entrepreneurial Education EIT Digital Academy

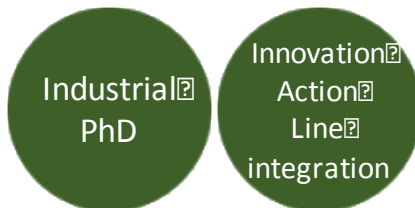


Next generation digital entrepreneurs

Master School



Doctoral School



Entrepreneurial Education EIT Digital Academy

Digitally skilled workforce



Professional School

Open and
in-
company
execution

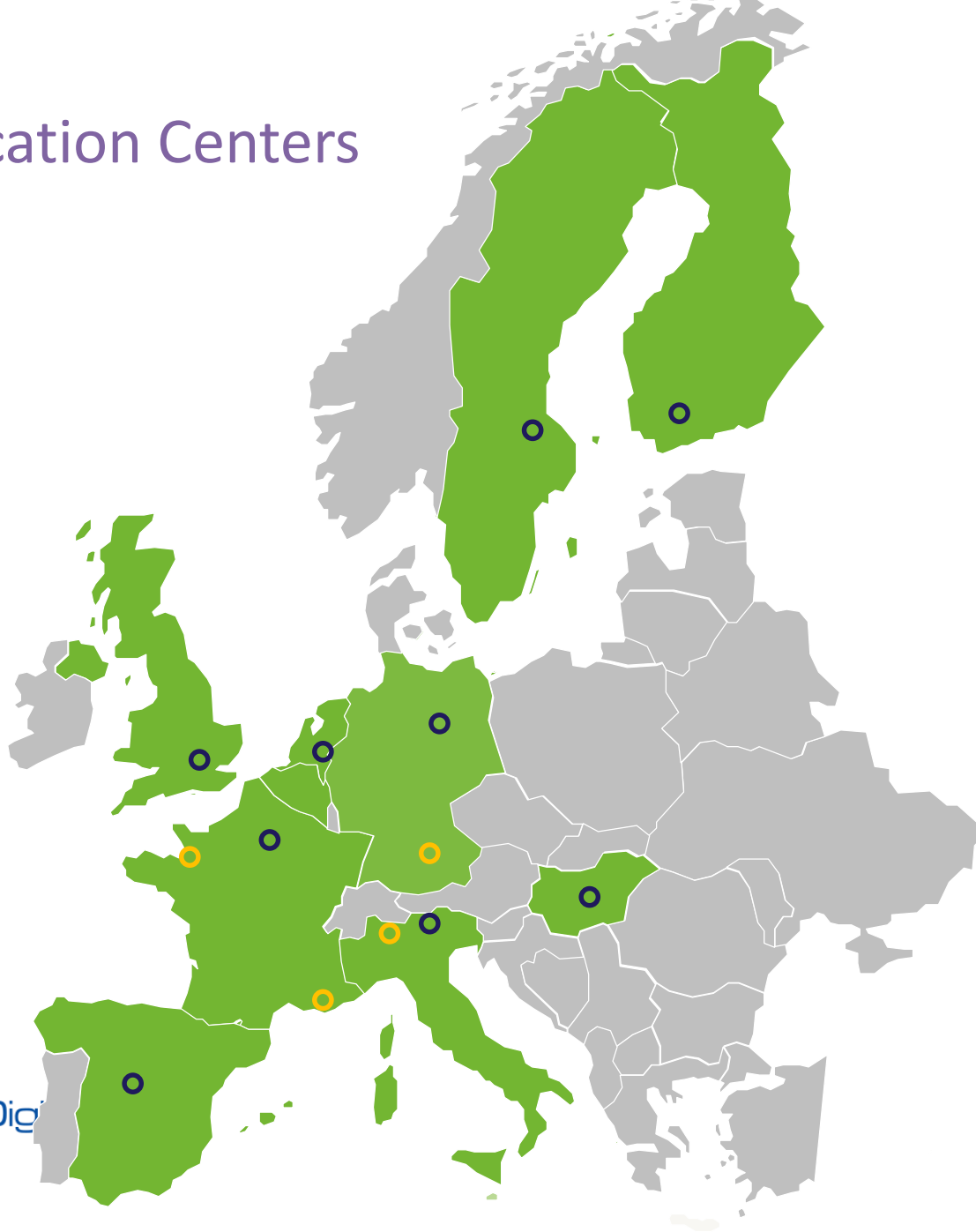
20 online & E
modules

2 cross-KIC
MOOCs

IoT and & E
MOOCs



Co-location Centers





ARISE Europe

Our implementation of RIS

Coherent and structured outreach scheme

- Objective
 - Supporting the growth of regions/countries where we are not yet present by **linking local ecosystems to our core functions**
 - EIT Digital Accelerator, Entrepreneurial Education, Research-based Innovation
- Targets
 - local ecosystems through
 - **Innovation Centers** (e.g. Accelerators, Incubators, Regional Clusters)
 - **Students, Universities**
 - **High-level agencies (govs, etc.)**
- Main ingredients
 - **Open call for Innovation Centers**
 - Cooperation agreements with selected Innovation Centers
 - Annual implementation of activities
 - **Direct contacts with Universities & reaching out to students**
- Geographic scope
 - RIS countries without a KIC Node

Partnerships

Best in class approach

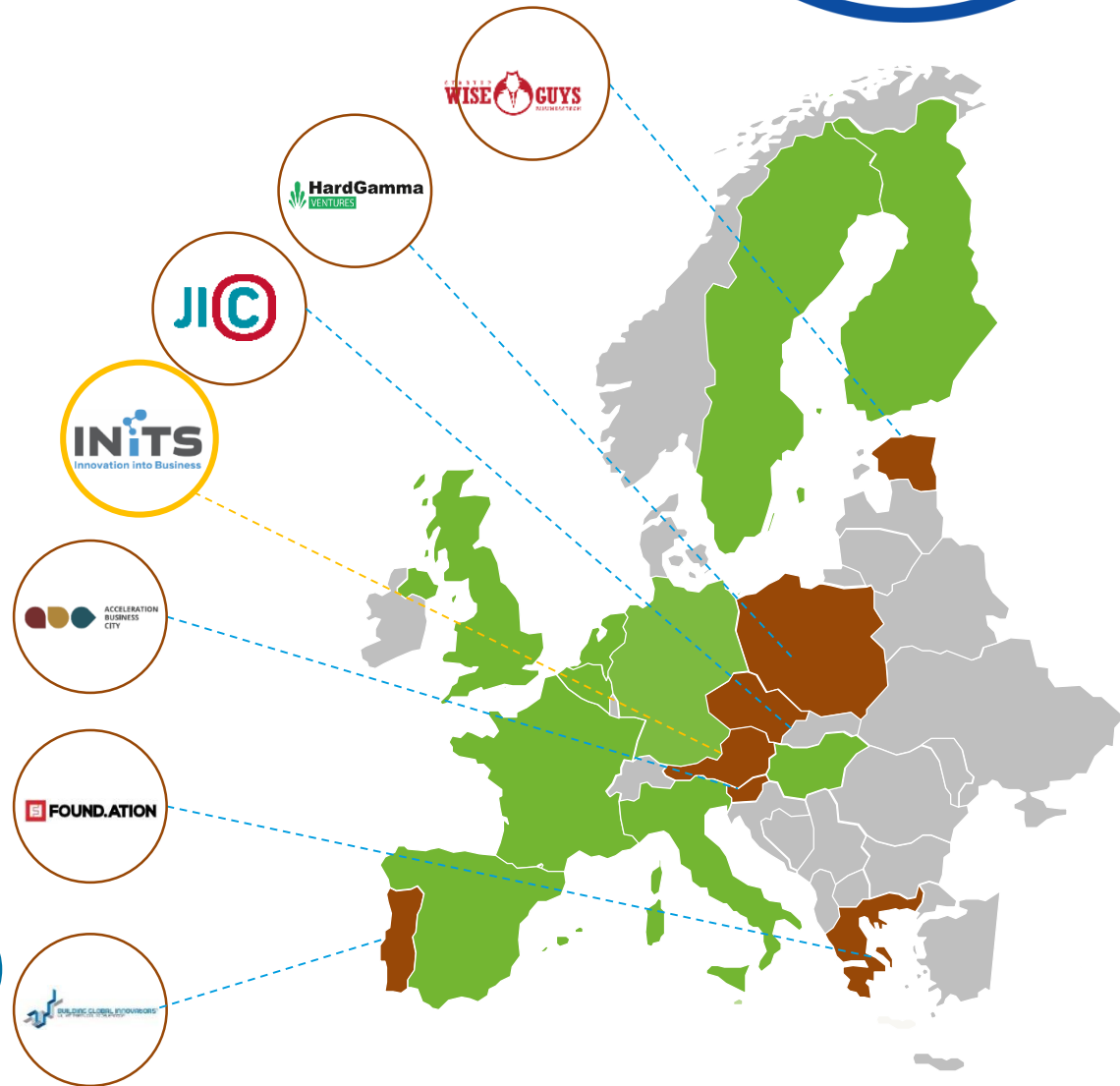
- Sizeable local footprint
- highest level of professionalism

Strategic alignment in terms of: goals, portfolio, verticals

Commitment, including capability of providing co-financing

2017

2 more selected partners:
Neulogy, Slovakia
Anje, Portugal



Activities at a glance

Activities	Objectives	How	
Innovation	Scaleups co-scouting	<ul style="list-style-type: none"> Find best local scaleups to bring to the attention of EIT Digital Accelerator and include in our funnel 	<ul style="list-style-type: none"> Direct contacts Co-scouting with Innovation Centers Participation in local events, EIT Digital Open Hours
	Co-branded events	<ul style="list-style-type: none"> Increase EIT Digital's and ARISE partner's local footprint Mobilize and involve new stakeholders 	
	Agreement with third parties	<ul style="list-style-type: none"> Broader reach Stronger scouting 	
Education	Online promotion	<ul style="list-style-type: none"> Raise the awareness to the Master School and the Summer Schools 	<ul style="list-style-type: none"> Student challenge
	Education fairs	<ul style="list-style-type: none"> Create local footprint for prospective Master's students and professionals 	
	Road shows	<ul style="list-style-type: none"> Attract students Raise local academia awareness and interest towards our T-shaped approach education 	<ul style="list-style-type: none"> Half-day events in ARISE cities involving local universities, partnering Innovation Centers and cities
	Summer Schools	<ul style="list-style-type: none"> Involve local Universities and Innovation Centers Foster KTI Raise awareness and attract students 	

Results in 2016 - Entrepreneurship

# of scale-ups proposed	46
# co-branded activities	23
# of founders attending	146
# of government attending	43
# of general audience	909
# of social media posts	107
# of press mentions	41

Results – Entrepreneurial Education



enrolled students				
	non-EU	EU	ARISE	all
2012	57	17	20	94
2013	99	48	31	178
2014	149	46	37	232
2015	206	78	13	297
2016	151	80	16	247
2017			36	

Hungary and Spain are not outreach countries

admitted students

ARISE students at Summer Schools		
	student	country
2014	38	14
2015	30	9
2016	33	9
2017	40	11

Hungary and Spain are not outreach countries

New activities 2017

- New call for Innovation Centers
 - Two additional Innovation Centers recruited
- Engagement with governments, regional and national agencies
 - MoU with Startup Estonia
 - Organization of Startup Nation Summit in Tallinn, November 2017 – EIT Digital, Startup Estonia, Estonian Ministry for Economic Development and Communications, DG Connect, DG Grow
- One Summer School in Lisbon



EITDigital.eu

Innovate with us!



The EIT is a body of the European Union

 @EIT_Digital

 EITDigital

 EITDigital

 EITICTLabs



European Institute of
Innovation & Technology

The EIT is a body of the European Union



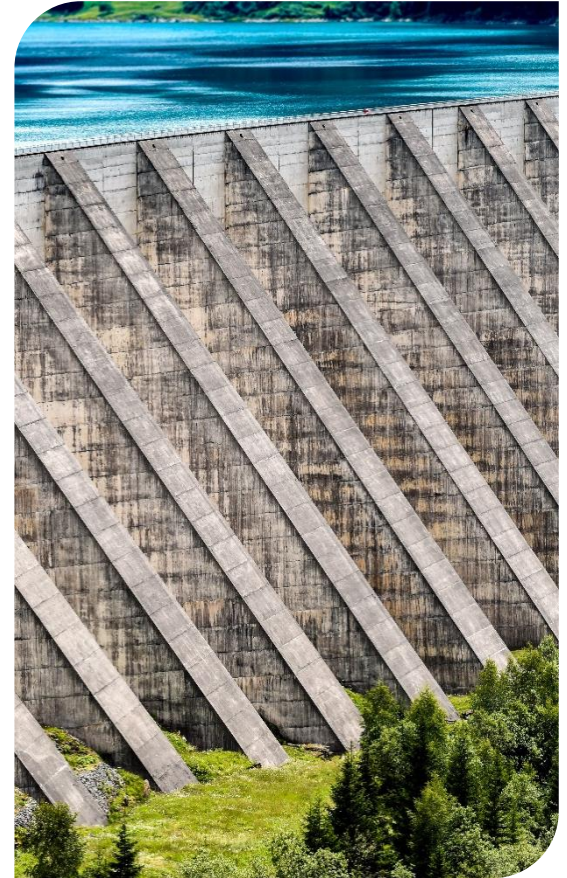
EIT InnoEnergy

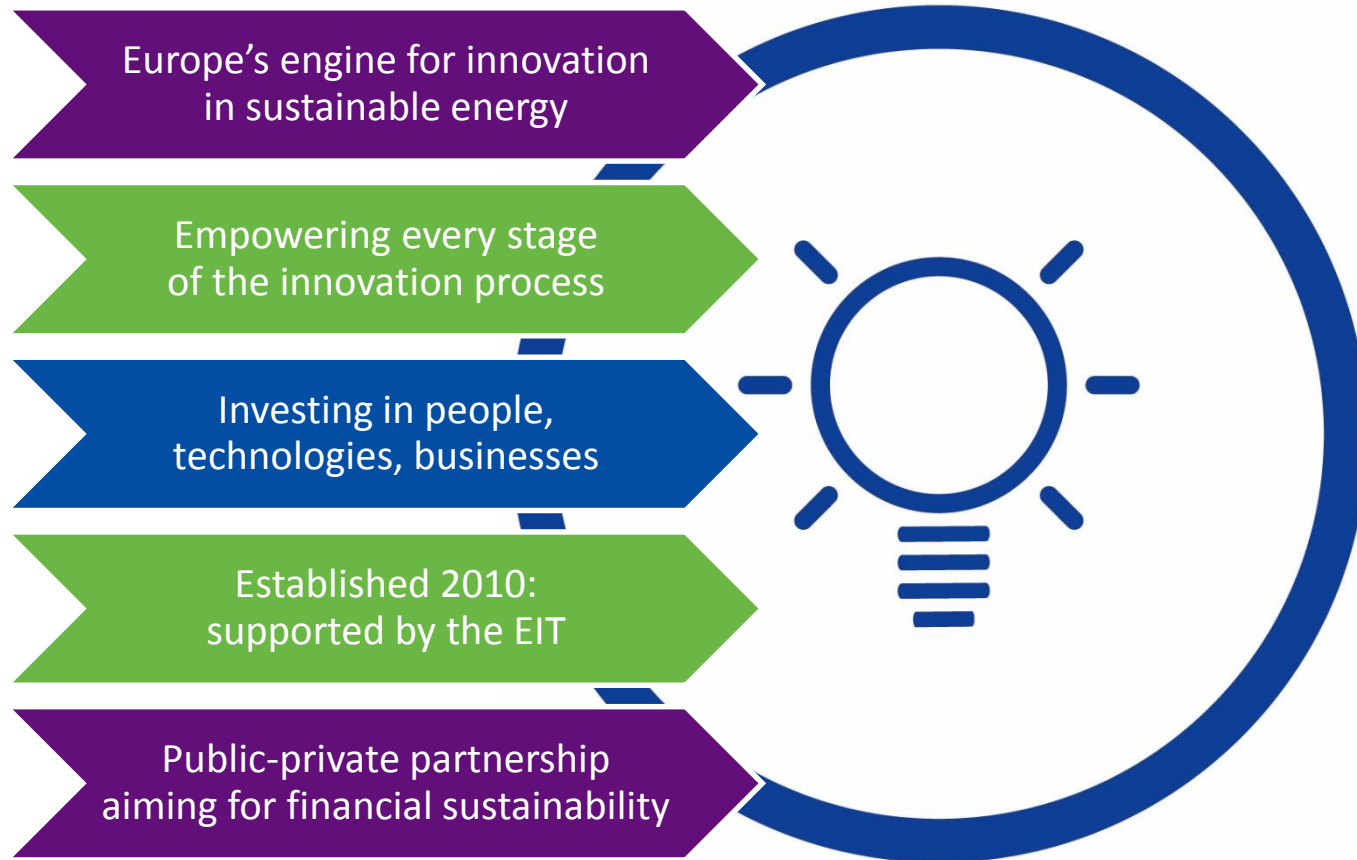
A sustainable energy future for Europe

Antonios Fysekidis, KIC Officer | Budapest | 12 Sept 2017

Agenda

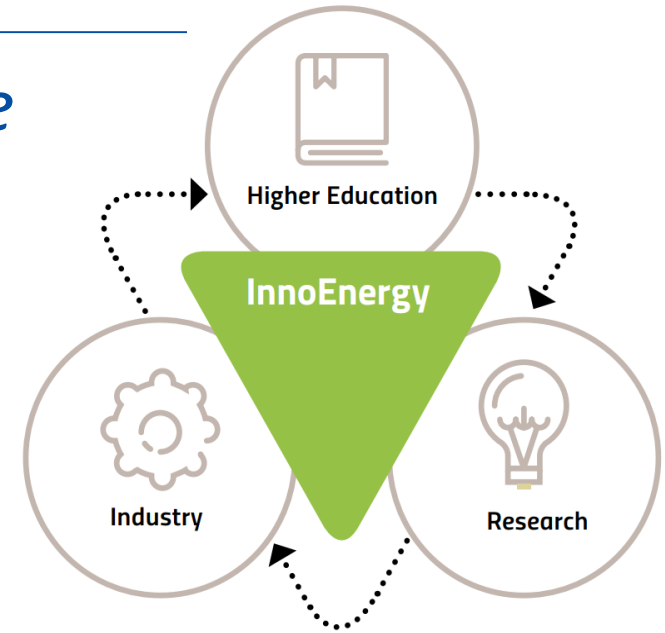
- About EIT InnoEnergy
- Our overarching goal: Sustainable Energy for Europe
- Our unique differentiator: Network and connections
- Our Business Lines
 - Innovation Projects
 - Business Creation Services
 - Education
- EIT InnoEnergy Strategy & Key Objectives for 2017
- EIT InnoEnergy Scope of activities in BP2017
- EIT InnoEnergy Governance Structure



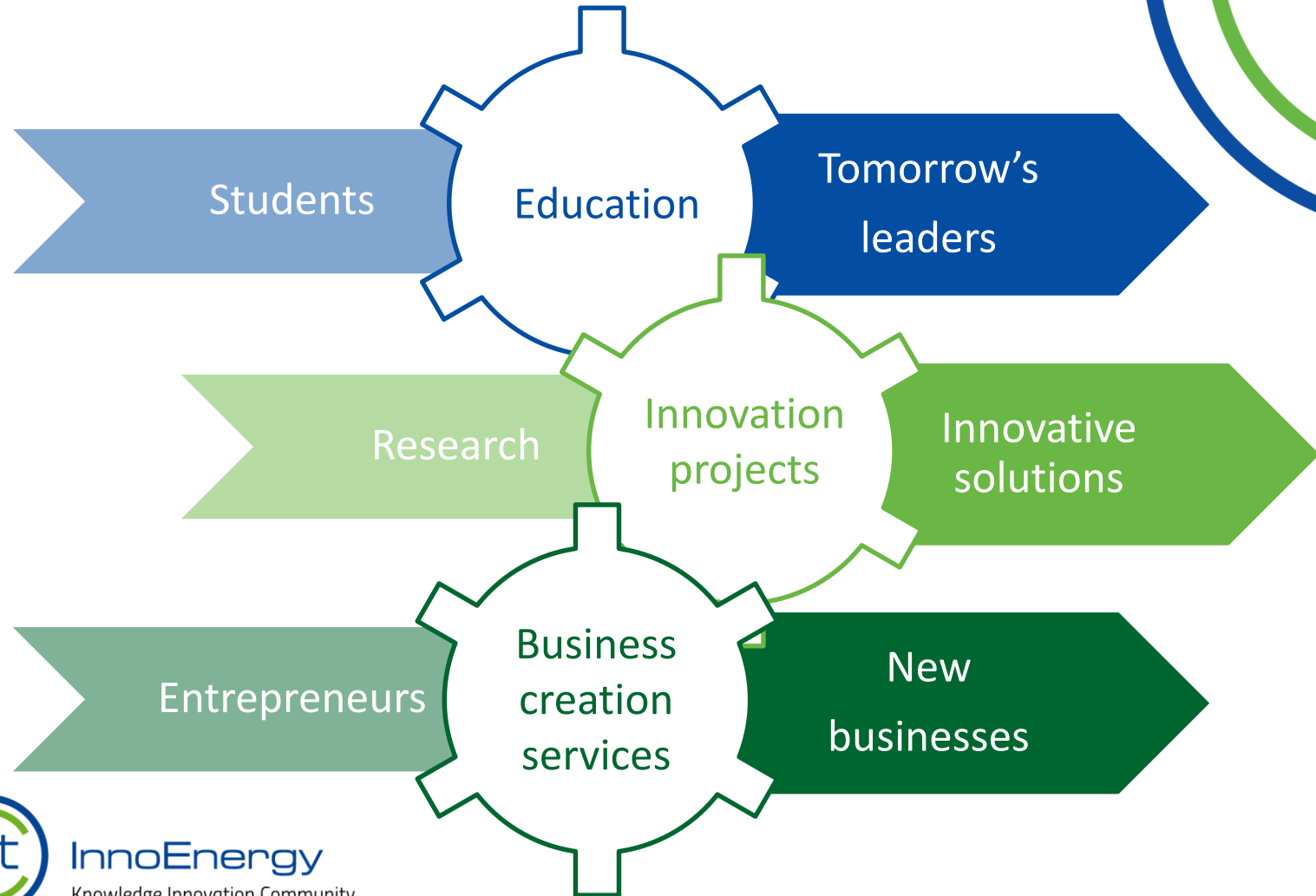


Bringing the *Knowledge Triangle* to life

- Strengthen EU innovation
- Creates tomorrow's entrepreneurs
- Increases sustainable growth
- Encourages global competitiveness



The Innovation Engine for Europe



Our goal: Sustainable energy

- Ensure security and safety of supply
- Reduce costs in the energy value chain
- Reduce CO₂ emissions
- Improve European competitiveness
- Remove barriers to innovation
- Encourage sustainable growth
- Create jobs



Thematic fields and technology focus



Clean Coal and Gas Technologies



Energy Storage



Smart Electric Grid



Energy from Chemical Fuels



Energy Efficiency



Renewable Energies



Nuclear Instrumentation



Smart and Efficient Buildings and Cities

Making Connections: The Power of the network

- 6 Co-Location Centres
- 27 Shareholders
- 260 Additional Partners
- Activities in 17 countries



For every stage of the innovation journey



Innovation
Projects



Business
Creation
Services



Education



InnoEnergy
Knowledge Innovation Community

Connecting ideas and industry, innovators and business partners

Simplifying the journey from lab to the market



Partners



Market needs and potential customers



Shorten time to market



Financing and investment



A commercial product in 5 years

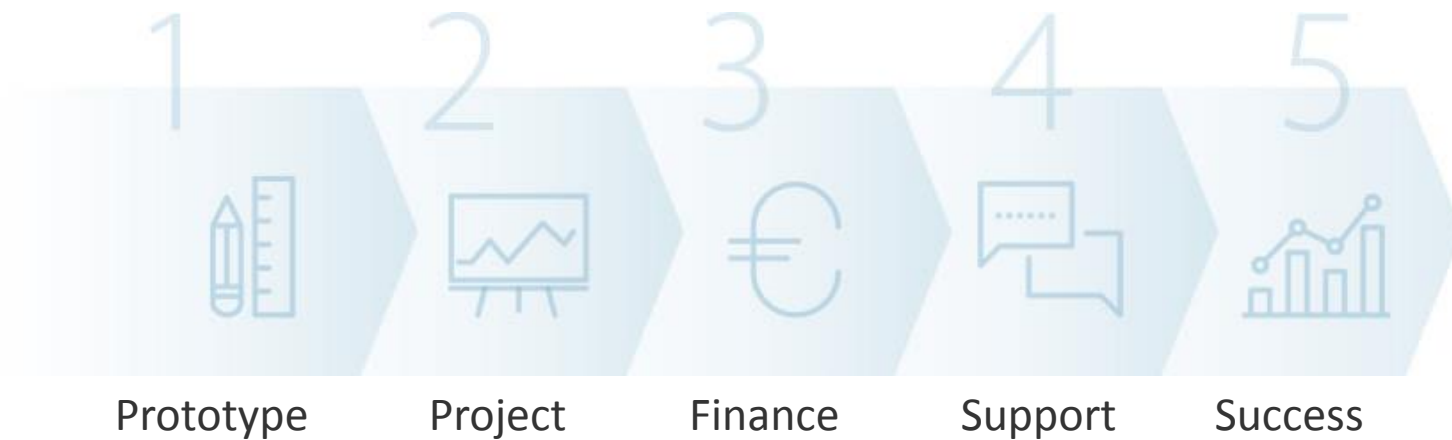
Expanding the circle of innovation in Europe's energy sector



InnoEnergy

Knowledge Innovation Community

Turning prototypes into commercial products



Innovation success

Neptune/EOLOS

Wind power
from sea to sea



Renewable Energy

DeBugger

Making the most
of biomass



Energy from
Chemical Fuels

EFFIC

Improving efficiency
and cost of Solar PV



Renewable Energy

180

Project partners across
Europe

108

Patents filed

78

Products and services
supported

6

Manufacturing facilities
constructed

147

Million euros of KIC
InnoEnergy investment

1.2

Billion euros in project
costs

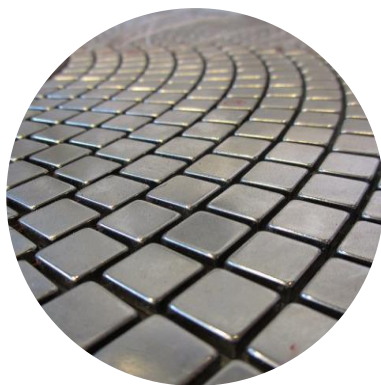
3

Billion euros in
forecasted sales

Innovation success

HYMES

Hydroelectric mechanical energy storage



Energy storage

MrCySeMoL

Cyber security tool



Smart Electric Grid

Active Substations

Proactive monitoring



Smart and efficient buildings and cities

180
Project partners across Europe

108
Patents filed

78
Products and services supported

6
Manufacturing facilities constructed

147
Million euros of KIC InnoEnergy investment

1.2
Billion euros in project costs

3
Billion euros in forecasted sales

Connecting entrepreneurs and start-ups to markets and customers

Tailored business support: the EIT InnoEnergy Highway™



Product: Potential, development, pilot, launch



Market: Opportunities, positioning, modelling, planning



People: Capabilities, training, support, mentoring



Finance: Seed money, VCs, angels, equity

Viable technologies, sustainable businesses, entrepreneurial spirit

Support from business plan to first sale



Entrepreneurial success

Dracula Technologies

See the light with
printed PV cells



France
Renewable Energy

OpenDomo

Measuring energy
consumption with
Artificial Intelligence



Iberia
Smart and Efficient
Buildings and Cities

GRADIS

A new era
of smart lighting



Poland
Smart Electric Grid

205

Early start-ups
supported

91

Companies created

33

Million euros of external
investment raised

1744

Business ideas
captured

Entrepreneurial success

Technoturbines

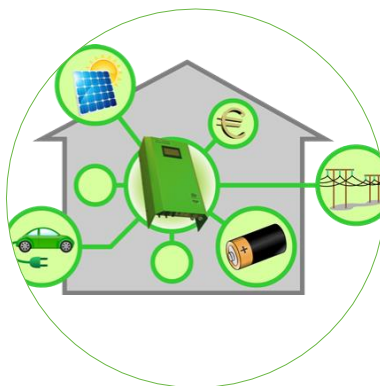
Energy recovery through hydraulic turbines



Spain
Energy efficiency

Ferroamp

Distributed energy storage for smart grids



Sweden
Smart electric grid

NAWATEchnologies

Ultra-fast batteries



France
Energy storage

205

Early start-ups supported

91

Companies created

33

Million euros of external investment raised

1744

Business ideas captured

Connecting graduates and employees, researchers and industry

Combining technical knowledge and commercial awareness



Improve career prospects



Deepen the industry's talent pool



Encourage innovation and entrepreneurship



Increase competitiveness

Delivering smart people, skills and connections to Europe's energy sector

Educated individuals, engaged researchers, better business



Master's Schools

- 7 programmes
- 11 universities
- 8 countries
- Lifelong community



PhD School

- Customised training
- Commercial disciplines
- Access to partners' facilities
- Business Creation Services and Innovation Projects



Executive and post-Master's education

- Executive MSc in Energy Engineering and Management
- MSc in Innovation and Entrepreneurship
- PDEng in Smart Energy Buildings and Cities
- Online module in Social Innovation and Transition in Energy

Our alumni

"We need to invest more in green power"



Gregory Kotsis,
MSc SENSE, Project engineer at IREC Barcelona

"Long-term vision is the key to the future"



Roberta Cirillo,
MSc EMINE, Research engineer, CEA Grenoble

"Versatility, entrepreneurship and international experience"



Joeri Siborgs,
MSc Energy for Smart Cities, R&D project engineer, Elia Brussels

573

Graduates from the EIT InnoEnergy Master's School

1200

Applicants to EIT InnoEnergy Master's School

93%

Graduates who find a job within six months of graduating

15%

Average annual salary earnings over graduates of similar programmes



InnoEnergy.com

Innovate with us!



The EIT is a body of the European Union

 [@InnoEnergyEU](https://twitter.com/InnoEnergyEU)

 [InnoEnergyEU](https://www.facebook.com/InnoEnergyEU)

 [InnoEnergy](https://www.linkedin.com/company/InnoEnergy)

 [InnoEnergy](https://www.youtube.com/InnoEnergy)