



# Making innovation happen!

## EIT's mission, priorities & achievements to date

Martin Kern – EIT Interim Director

14 March 2016

# 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.**

- 1<sup>st</sup> 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



## The European innovation paradox

**Excellent European research base, dynamic companies and creative talent**



**Good ideas are too rarely turned into new products or services!**



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# EIT Priorities 2014-2020

1

**Fostering**  
Growth and Impact of  
first 3 KICS

Climate-KIC  
EIT Digital  
KIC InnoEnergy

2

**Creating**  
5 new KICs

**2014** EIT Health  
EIT Raw Materials

**2016** EIT Food  
EIT Manufacturing

**2018** EIT Urban Mobility

3

**Sharing and  
Disseminating**

EIT Community  
good practices

Incl. EIT Regional  
Innovation Scheme  
(EIT RIS)



# EIT – An Integral Part of

## HORIZON 2020



The EIT contributes to H2020 by addressing societal challenges, incl. health via the integration of the knowledge triangle



H2020 has a budget of approx. € 80 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





## Our strategy to boost innovation in Europe

Facilitate the development of European ecosystems where research, business and education come together to find sustainable solutions to societal challenges by:

- Creating interconnected knowledge and creativity hotspots (colocation centres)
- Activities that foster talents: innovators, entrepreneurs and students
- Accelerate innovations and attract investors for innovative companies



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# EIT Community across Europe

## Climate-KIC

- Co-location Centre
- Regional Centre (RIC)

## EIT Health

- Co-location Centre

## EIT Digital

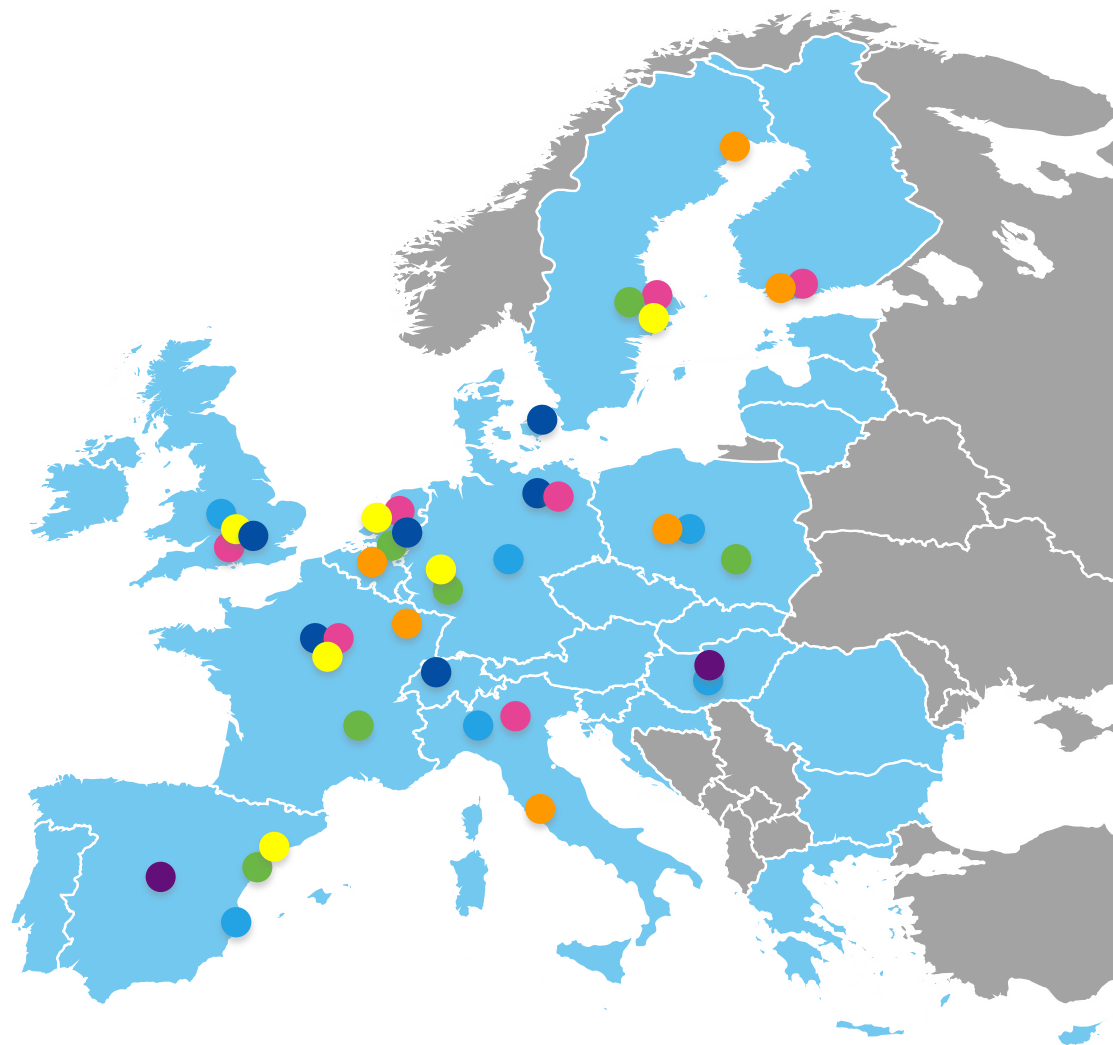
- Co-location Centre
- Associate Partner

## EIT Raw Materials

- Co-location Centre

## KIC InnoEnergy

- Co-location Centre



# EIT Community: 1<sup>st</sup> achievements

Climate-KIC, EIT Digital and KIC InnoEnergy have grown into thriving European innovation hubs:



**24,162**

Attractiveness of education programmes – more than 13 applicants per offered seat



**486**

number of graduates



**903**

number of business ideas incubated



**181**

number of start-ups created



**478**

number of knowledge transfers/adoption



**142**

number of new or improved products, services and processes launched



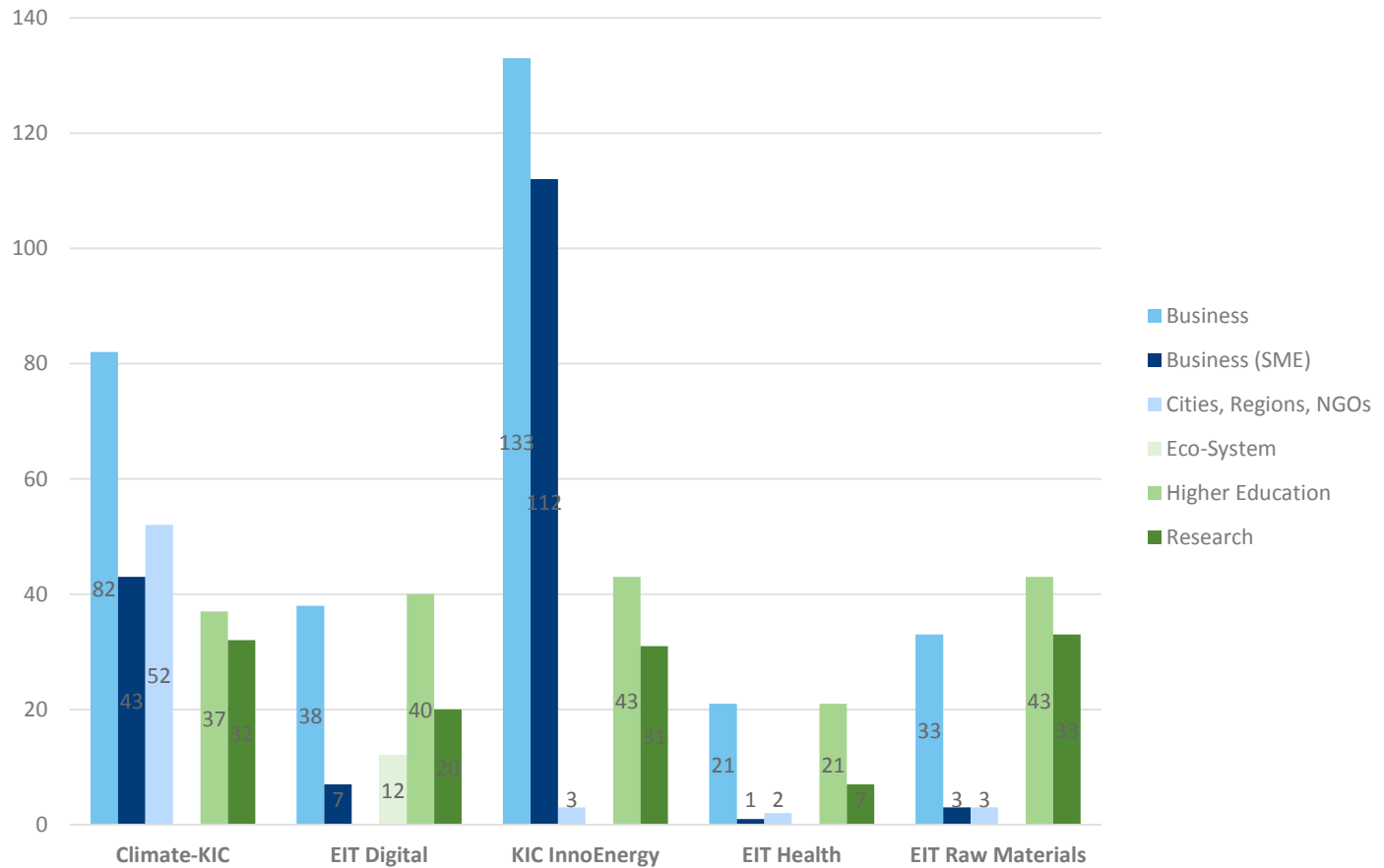
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Figures – November 2015



# Overview of EIT KIC Partners

Today, the EIT Community brings together more than **800 partners**:





# EIT KIC Model

## *A business logic*

- **High degree of integration:** each KIC 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 KIC is set up for a minimum of 7 years to eventually become sustainable.
- **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 Centre level all implementing the Principles of Good Governance.

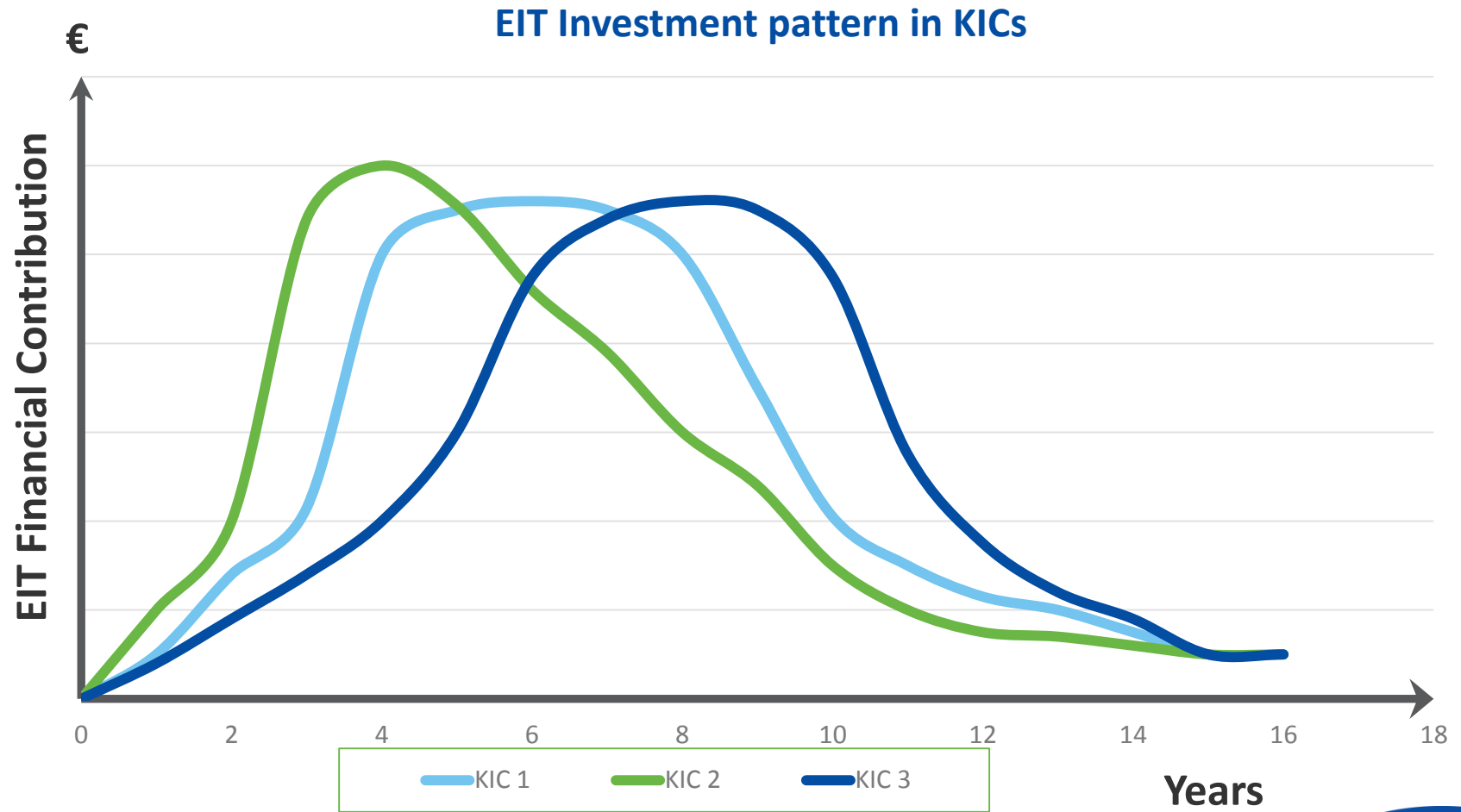


# EIT KIC Model

## *an investment logic*

- **Results & high impact oriented activities:** KICs implement a Business Plan with measurable deliverables, results and impact.
- **Key Performance Indicators:** KICs' performance is measured through standardised KPIs.
- **Performance-based funding:** EIT contribution to KICs is based on a competitive review mechanism, including cross-KIC comparison of KPIs, rewarding and incentivising performance.
- **Financial sustainability:** EIT funding model and pattern incentivises KICs to actively pursue financial sustainability.

# EIT Approach to Financial Sustainability



# Climate-KIC Berlin Accelerator: Green Garage



**1<sup>st</sup> CleanTech  
Incubator Germany**



**More than 70 scalable start-ups in Germany supported**  
**Focus on energy, mobility, agriculture & water**



Offers extreme **water saving** and **highly efficient farm systems** for commercial vegetable and fish production in urban areas.  
**Winner of Cleantech Open Silicon Valley 2013**  
**1.6 Mio EUR Investment**  
Big customer in Switzerland



Sells **smart thermostats** that regulate the heating in the household according to the location data of inhabitants.  
**32 Mio EUR Investment**  
**Successful internationalisation**  
Competitor to Google's start-up Nest



# Future EIT Impact Fund



## Objectives:

- Provide access funding to invest into the early stage development of innovative companies beyond current EIT support
- Leverage private sector capital and other EU funding tools
- Fill market gaps due to higher perceived risk or volatility

## Benefits for start-ups from KICs:

- Access experts to evaluate the prospects of a technology/ business model; pre-screen more effectively than others
- Access customers: KIC partners as first customers for goods/ services of start ups (overcome a big hurdle)
- Access trade buyers: vast majority of exits will be trade sales, KICs can reach the entire value chain through their partnership networks



# Overview of Main EIT Education Activities

- 1 → Master and doctoral programmes**
  - International cooperation, industry involvement
- 2 → Master and doctoral schools**
  - Training on specific skills and competences
  - Mobility, internships and scholarships/ fellowships
- 3 → Executive training and post-doctoral courses**
- 4 → Continuous professional development courses/modules**
- 5 → Learning modules and MOOCs; alumni and outreach activities**



# EIT Awards 2015

## EIT VENTURE AWARD

**Regnar Paaske**

(Co-founder and CCO)

### Nordic Power Converters

- **Venture aim:** To become the new standard for electric power converters for LED, chargers and other applications
- **EIT Community connection:** Climate-KIC's Nordic Co-location Centre through the Accelerator programme and runner-up in the Climate-KIC Venture Competition 2014



## EIT CHANGE AWARD

**Govinda Upadhyay** (Co-founder)

### LEDsafari

- **Project aim:** To empower people in developing countries to make their own solar rechargeable lamps, using locally available material to promote sustainability and health, develop skills and gain jobs
- **EIT Community connection:** KIC InnoEnergy SELECT Master programme – graduated in 2012

## EIT INNOVATORS AWARD

**Rajai Aghabi**

### EOLOS Floating Lidar Solutions

- **Project aim:** To develop a cost-effective, accurate and reliable offshore wind measuring system
- **EIT Community connection:** KIC InnoEnergy Iberia Barcelona



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## 5 Social Entrepreneurs from EIT Community!

[www.forbes.com/30under30europe](http://www.forbes.com/30under30europe)



# EIT Regional Innovation Scheme (EIT RIS)

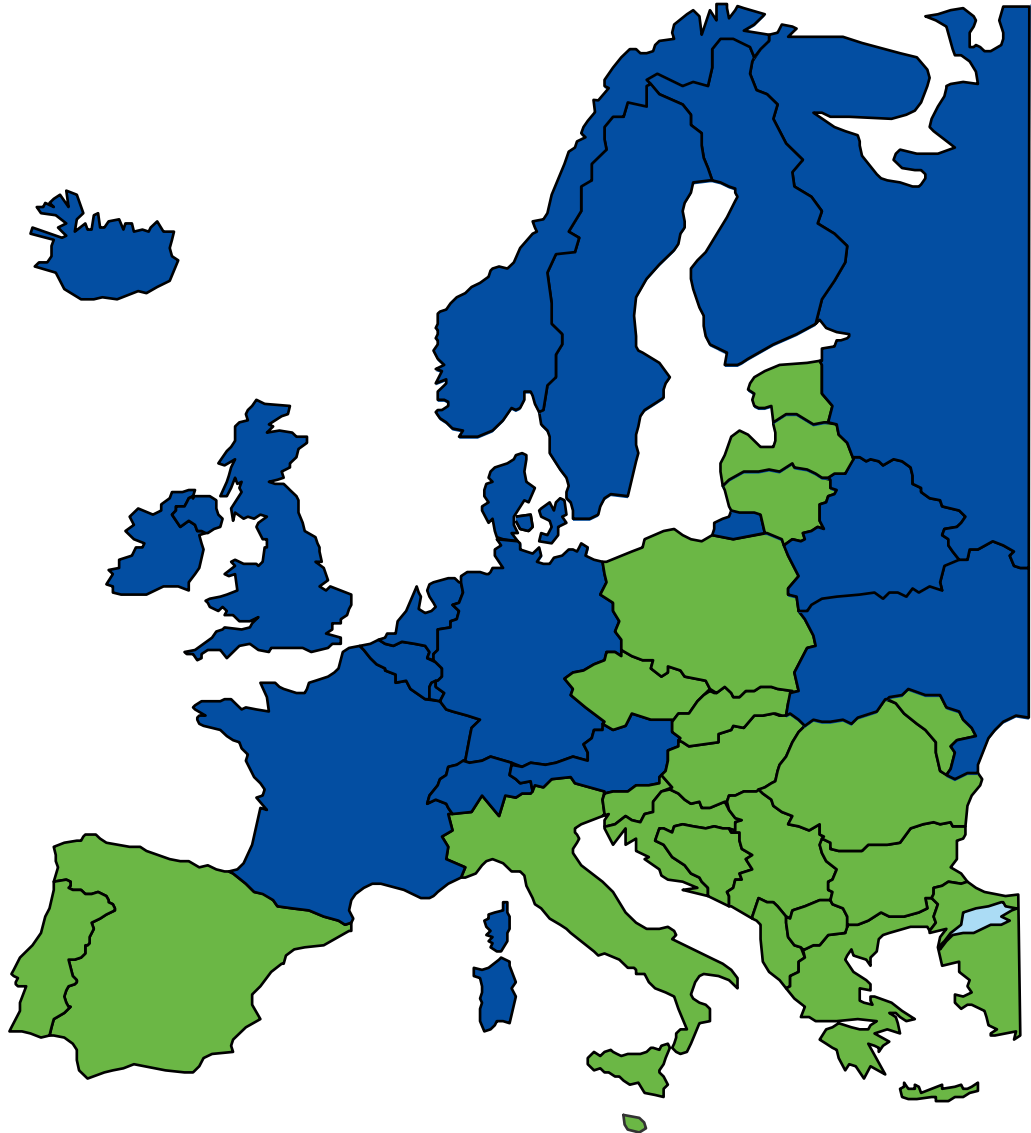
- Context: Widening participation in H2020 and EIT
- Structured outreach scheme aimed at increasing innovation capacity in Member States and regions not yet benefitting from the EIT and its KICs
- Based on a two-way engagement between KICs and selected partnerships from the wider European innovation community
- Based on key principles:



# EIT Regional Innovation Scheme

## List of 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) Bosnia and Herzegovina
- 20) Faroe Islands
- 21) Former Yugoslav Republic of Macedonia
- 22) Moldova
- 23) Montenegro
- 24) Serbia
- 25) Turkey



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# EIT 2016 Call for KIC Proposals



## EIT Food

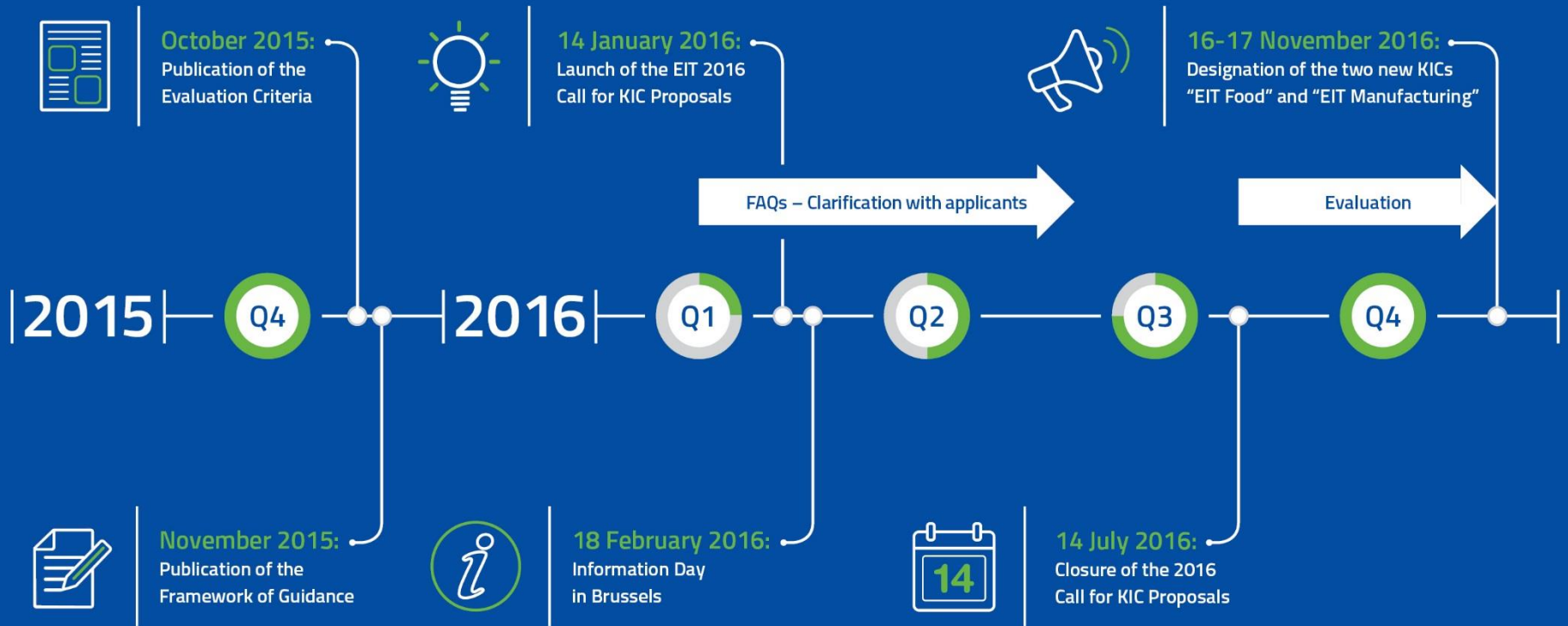
**Food4future: sustainable supply chain from resources to consumers\***



## EIT Manufacturing

**Added-value manufacturing\***

# 2016 Call for KICs - Timeline



# Synergies and Complementarities



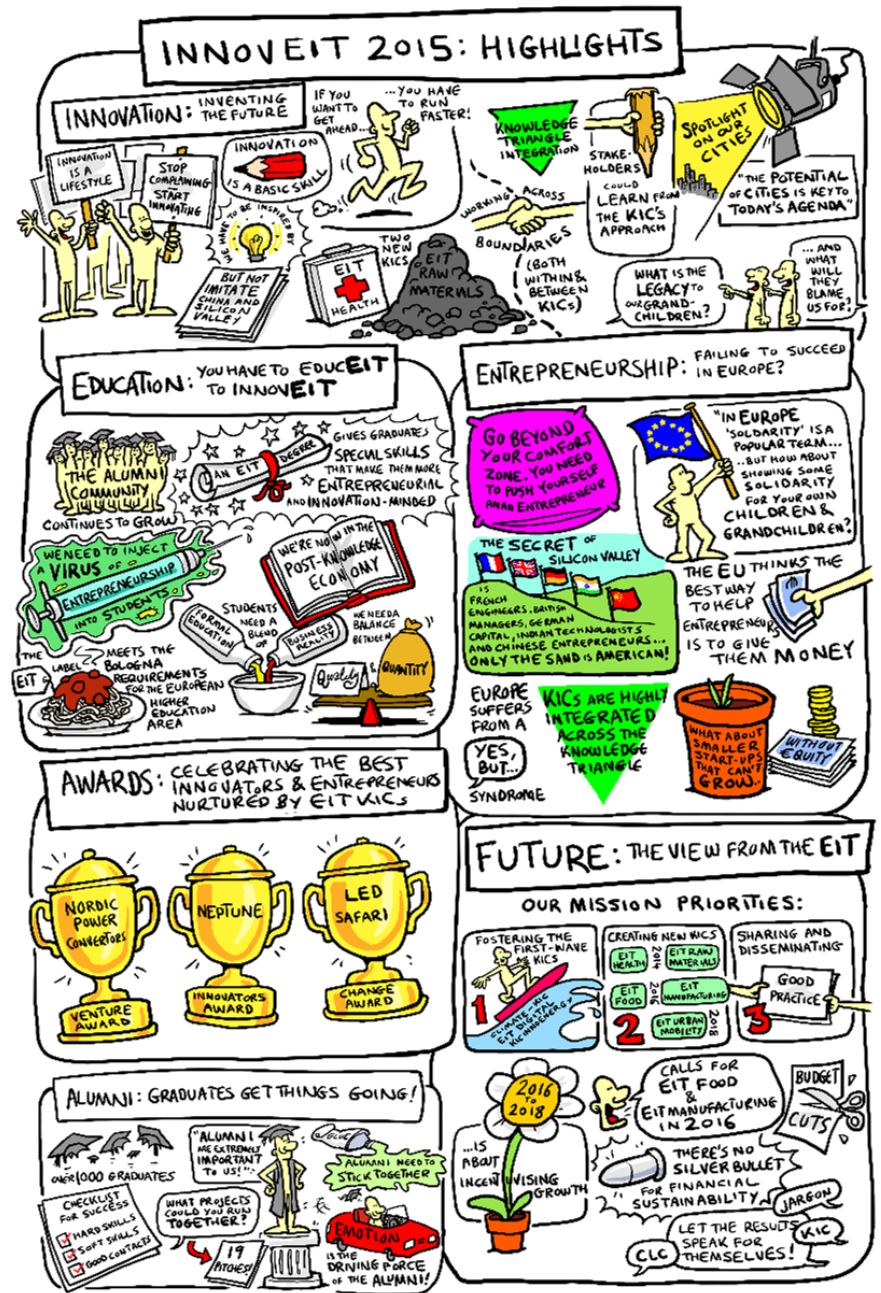
## Overview of ongoing initiatives

- European Fund for Strategic Investment (EFSI) – two pilots
  - EIT Raw Materials investment platform
  - Climate-KIC certified professionals initiative
- Horizon 2020 SME instruments/InnovFin – EIT Impact Fund
- EIT – European Commission Joint Research Centre
- EIT – Copernicus Programme and ESTEC/ESA cooperation
- Opportunities with other European Commission services and initiatives:
  - European Structural and Investment Funds (ESIF)
  - “Seal of Excellence”
  - Dissemination and exchange of information



# INNOVEIT 2016

- Annual EIT Stakeholder event
- Proposed date: (24)-25-26 April 2016
- Venue: Budapest
- Main building blocks:
  - EIT Awards
  - EIT Innovation Tour
  - EIT Alumni Connect
  - EIT Stakeholder Forum including Member State Configuration





# Innovate with us!



The EIT is a body of the European Union

[eit.europa.eu](http://eit.europa.eu)

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