WE POWER INNOVATORS AND ENTREPRENEURS TO DEVELOP INNOVATIVE SOLUTIONS TO GLOBAL CHALLENGES AND CREATE GROWTH AND JOBS FOR EUROPE
EMPOWERING INNOVATORS & ENTREPRENEURS ACROSS EUROPE
THE EIT – UNIQUE INNOVATION INSTRUMENT

- Enhances Europe’s **innovation capacity, competitiveness, quality of life**
- **Innovation ecosystems** to increase cooperation and integration between business, education and research
- Addresses **societal challenges**
- **Unique features**: pan-European, long-term (7-15 years), financial sustainability
EIT - AN INTEGRAL PART OF HORIZON 2020

• The EIT contributes to H2020 by finding solutions to global challenges through creating a network of business, education & research

• The EIT will continue to work across H2020 and its different initiatives
EIT INNOVATION COMMUNITIES

EIT Health
Giving EU citizens greater opportunities to enjoy a healthy life

EIT Food
Leading a global revolution in food innovation and production

EIT Digital
Driving Europe’s digital transformation

EIT Climate-KIC
Working to accelerate the transition to a zero-carbon economy

EIT InnoEnergy
Achieving a sustainable energy future for Europe

EIT Manufacturing
Leading manufacturing innovation is Made By Europe

EIT RawMaterials
Developing raw materials into a major strength for Europe

EIT Urban Mobility
Mobility for liveable urban spaces

The EIT is a body of the European Union
EIT INNOVATION COMMUNITY MODEL

• Independent legal entity: gathering world-class partners
• Autonomy & flexibility: to determine organisational structure and activities
• Long-term strategic approach: set up for a minimum of 7 years to eventually become financially sustainable
• Smart funding & high degree of partner commitment: 25% - 75%
• Effective governance: run by a CEO and a lean management team
• Innovation Hubs: 5-8 per Innovation Community
• Results & high impact oriented activities: 7-year Strategy and Annual Business Plans
• Culture: strong entrepreneurial mind-sets at national, European and international levels
EIT COMMUNITY ACROSS EUROPE

- Headquarters
- Innovation Hubs (Co-Location Centres)
- Offices
- EIT Hubs (part of EIT RIS)
# THE EIT MODEL DEVELOPMENT

## PHASE 1: 2008 - 2013
**Start-up and build-up phase**
- Innovation Community autonomy and independence
- Development of initial funding model and grant management
- Limited cooperation

## PHASE 2: 2014 - 2020
**Stabilisation & Results**
- Financial Sustainability strategies
- EIT Regional Innovation Scheme (RIS)
- Simplification
- Good Governance principles
- Initial results and impact
- Cross-Community cooperation

## PHASE 3: 2021 - 2027
**Increased ambition & impact**
- Global ambition and outreach
- Strategy & Impact Framework
- Result based and multiannual funding
- Investment Funds supported
- EIT innovation institute and shared services
- Cooperation at EU Level
EIT EDUCATION

• 1. Master and doctoral programmes
  • International cooperation, industry involvement
  • 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 BUSINESS CREATION & ACCELERATION

EIT powered activities:

- **Tailored support for entrepreneurs:** business coaching & mentoring, access to market and customers, access to new technologies and testbeds, access to talent, access to finance...
- **Sourcing start-ups and scale-ups:** venture and ideas competitions, referrals
- **Venture support** within thematic specialisations of each Innovation Community

Benefits for start-ups & scale-ups:

- Market orientation
- Shorter time-to-market
- Access to Europe’s largest innovation network
- Proximity to finance sources
EIT powered activities:

- Focus on commercialisation
- Facilitation of co-creation and cooperation
- Linking innovation players from different innovation ecosystems
- Adaptive and responsive to market and social trends

Transdisciplinary & multicultural teams working together on solutions to global challenges

New products, services, processes & business models for Europe
EIT RESULTS

Europe’s tried, tested and proven innovation engine

- 40+ Innovation Hubs across Europe
- 1 250+ Ventures supported
- 890M+€ Investment raised by EIT ventures
- 6 100+ Jobs created
- 600+ New products and services
- 1 700+ Graduates completing EIT programmes

*figures July 2018
• **Country:** Estonia

• **Description:** Ultracapacitor power cells with curved graphene technology

• **Aim:** Provide ground-breaking energy storage solutions

• **EIT Connection:** EIT InnoEnergy Innovation Projects

• **Team:** 100

• **Funding raised:** € 46 million +

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EIT InnoEnergy business networks have led to successful business relationships with leading power and automation companies, railways service providers and transmission system operators.

Taavi Madiberk, CEO, Skeleton Technologies
• **Country:** France
• **Description:** Innovative and intelligent driverless shuttle transporting up to 15 passengers
• **Aim:** Give humankind a new kind of ‘autonomy’ by easing road congestion in city centers
• **EIT Connection:** EIT Digital Accelerator
• **Team:** 200
• **Funding raised:** € 114 million
• **Listed on Euronext**
• **Country:** Germany

• **Description:** A zero-emissions electric jet for up to 5 people

• **Aim:** Design the world’s first and fastest all-electric long-range air taxi

• **EIT Connection:** EIT Climate-KIC Accelerator

• **Team:** 100

• **Funding raised:** € 87 million

• **Successful** [first test flight](#) in May 2019
• **Country:** Germany

• **Description:** An industrial sensor solution that tracks and analyses the causes of machine breakdowns

• **Aim:** Empower the rail industry to reach a new level of asset performance

• **EIT Connection:** EIT Digital Accelerator

• **Team:** 35

• **Funding raised:** €87 million

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We chose to work together with the EIT because they have a great network in the European innovation scheme. They have a lot of companies that they work together with and they provide access to a lot of unique talent.

Andreas Kunze, CEO, KONUX
EIT REGIONAL INNOVATION SCHEME (EIT RIS)
EIT REGIONAL INNOVATION SCHEME: CREATING EUROPEAN INNOVATION COMMUNITY

Objective

• Contribute to enhancing of the innovation capacity in moderate and modest innovators* Member States and Horizon 2020 Associated Countries

Approach

• Share and transfer good practices of knowledge triangle integration

• Widen participation in EIT Innovation Communities and create pan-European networks

• Allow collaboration in regions and countries that have been designing Smart Specialisation Strategies

* European Innovation Scoreboard
EIT HUBS: STRONG FOOTING IN LOCAL INNOVATION ECOSYSTEMS

- EIT Innovation Communities via open calls designate ambitious and resourceful local entities to act as EIT Hubs

- EIT Hubs ensure the active involvement of local knowledge triangle actors in EIT Innovation Communities activities, as well as liaise with and provide expertise to the relevant national, regional and local authorities

- EIT Hubs facilitate co-creation and access to business developers, investor networks and public funding sources
EIT REGIONAL INNOVATION SCHEME

- Bulgaria
- Croatia
- Cyprus
- Czech Republic
- Estonia
- Greece
- Hungary
- Italy
- Latvia
- Lithuania
- Malta
- Poland
- Portugal
- Slovakia
- Slovenia
- Spain
- Romania
- Albania
- Armenia
- Bosnia and Herzegovina
- Faroe Islands
- Republic of North Macedonia
- Georgia
- Moldova
- Montenegro
- Serbia
- Turkey
- Ukraine
EIT RIS: EVOLUTION

Phase 1 / 2015-2016: attracting talent to the EIT’s Innovation Community activities

Phase 2 / 2018-2020: focus on strengthening local innovation ecosystems

To date:

- EIT Hubs in 18 countries, more countries involved in EIT activities
- EIT RIS Strategy per Innovation Community for 2018-2020
- EIT RIS Funding

2016-2017: € 20 M  
2018: € 15 M  
2019: € 23 M
EIT REGIONAL INNOVATION SCHEME: BUILDING BLOCKS

- Matchmaking for innovation projects
- Start-up competitions
- Internship programmes
- Access to finance
- Ideation, business plan support, acceleration
- Entrepreneurial education promotion at universities
- Collaboration with governments for know-how
- Capacity strengthening for technology transfer
- Capacity strengthening activities for public authorities
- Training programmes & scholarships
EIT RIS BUSINESS CREATION: EXAMPLES

- **EIT Climate-KIC RIS Accelerator** provides education, training, networking opportunities and grants to organisations at the forefront of climate change adaptation and mitigation.

- **EIT InnoEnergy RIS** pre-accelerator **Primer** targets idea/seed stage ventures to strengthen their business muscle. Start-ups who have successfully graduated from the programme are prepared to enter EIT InnoEnergy’s pan-European **Highway** accelerator.

- **EIT Digital** launched its **ARISE Venture Programme** to support the establishment of deep-tech-based ventures.

- **EIT Food, EIT Health and EIT RawMaterials** jointly run an **EIT Jumpstarter**, a cross-sectoral business creation programme for early stage entrepreneurs.
EIT RIS EDUCATION: EXAMPLES

• **EIT Health StarShip Innovation Fellowship** programme trains individuals to find solutions to industry challenges, verifying user requirements and identifying potentially unmet needs in the health context

• **EIT Climate-KIC** extends *Journey & Pioneers into Practice* to EIT RIS countries and local universities

• **EIT Digital** brings EIT RIS universities into **EIT labelled summer school** programme

• **EIT Food RIS fellowships** enables interns, students and graduates from EIT RIS countries to engage in learning-by-doing activities at EIT Food partner organizations and benefit from cross-country mobility
BOOSTING INNOVATION IN EIT RIS COUNTRIES: EXAMPLES

• **EIT InnoEnergy’s Starter** programme links the EIT RIS academy teams and industry actors, to result in quality national and regional ecosystems funded projects

• **EIT RawMaterial’s** innovation projects to support mining industry in Western Balkans by involving a high number of external stakeholders from these countries

• **EIT Health** provides matchmaking and innovation project development support to EIT RIS players

• **EIT Climate-KIC** engages EIT RIS players in innovation and urban development projects
ENGAGING AT THE POLICY LEVEL: EXAMPLES

- **EIT Food Executive Government Academy** offers insights into challenges related to food system innovations and regulations, seeks improvements of Research & Innovation Smart Specialization Strategies and inspires the development of operational programmes based on EU Structural and Investment Funds.

- **EIT InnoEnergy** delivers services to regional authorities to boost their innovation capacity and their approach in supporting local innovation.

- **EIT Climate-KIC and EIT RawMaterials** are cooperating with Slovenian authorities on circular economy policy.
EIT RIS in 2018

- 60+ EIT RIS Hubs across EIT RIS Countries
- 15 M€ EIT RIS grants
- 600+ Start-ups supported
- 600+ Students in EIT RIS education activities
- 40+ New partners from EIT RIS Countries*
- 80+ Organisations from outside partnership in activities

* From countries where Innovation Communities do not have an Innovation Hub
**Country:** Poland

**Description:** combines behavioral science and new technologies to build a digital therapeutics platform dedicated to neurocognitive and developmental disorders

**Aim:** to ensure that every child has a chance for independence in adulthood regardless of any disabilities

**EIT Connection:** EIT Health Headstart programme 2017 and European Health Catapult 2018

**Funding raised:** € 45 million +

**First start-up from Poland in the Google Launchpad Accelerator**

The game allows students to learn behaviour patterns and responses to real-life scenarios and their teachers and therapists can review their progress. The best part is that students can play these games on their own, allowing them to receive therapy every day rather than once a week, which makes an incredible impact long-term.

Jason Tutus, Google VP
• **Country:** Netherlands

• **Description:** low-cost, easy-to-read sticker which is put on the outside of a food packaging, and changes colour if the food is exposed to unsuitable temperature during transportation

• **Aim:** FreshStrips solution provides assurance to consumers, producers and retailers of the safety of heat sensitive good and improves cold chain management.

• **EIT Connection:** EIT Joint Grand Final 2018 winner in the food section

• **Funding raised:** € 44 000+

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The most important thing we got during the competition is valuable feedback on various aspects of our business and good connections to industry partners and general advice about how to start our business. EIT is down the right road to bring us up to par with innovation capitals like San Francisco.

Marios Chryssolouris, FreshStrips
• **Country:** Estonia

• **Description:** produce electric devices who provide approx. 10% more energy efficient electric motor controllers for aerospace applications

• **Aim:** to allow electric vehicles to travel further using less battery power, which supports the development to a total electrification of all kinds of transport

• **EIT Connection:** EIT InnoEnergy PowerUp! 2018 Grand Final Winner

• Silver member of the DroneCode project by the Linux Foundation
• **Country:** Greece

• **Description:** produces an embedded IoT system for better management and maintenance of power tools for the construction industry

• **Aim:** monitoring the condition and health of each tool to predict the exact time the tool needs service or reparation

• **EIT Connection:** EIT Digital ARISE (Venture) programme winner

• **Team:** 2–10

• Supported by The Technical Chamber of Greece and the Aristotle University of Thessaloniki

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Our participation in the ARISE programme helped us move our venture on the next level, both technologically and business-wise. The Demo Day gave us the opportunity, not only to showcase our prototype but also to receive useful feedback and contacts that will help us towards our journey.
• **Country:** Serbia

• **Description:** the Odo bike is a lightweight, innovative and smart vehicle, which offers environmentally sustainable electric transportation, using solar panels

• **Aim:** overcoming the space shortage, air and noise pollution in future smart cities, through a mobility service for passenger transport

• **EIT Connection:** EIT Climate-KIC RIS Accelerator 2018

• Participated in the eMove360° Award for Electromobility & Autonomous Driving competition 2018
• **Country:** Estonia

• **Description:** produces solar modules, which are building integrated photovoltaic (BIPV) construction elements replacing the conventional roofing and facade materials

• **Aim:** photovoltaic building elements that allow real estate owners to produce solar electricity without compromising the aesthetics of the building

• **EIT Connection:** EIT Climate-KIC RIS Accelerator 2018; EIT InnoEnergy PowerUp! Clean Air Challenge Award Winner 2019

• **Team:** 8

• **Funding raised:** attracted investments from Estonian investors, raising enough to set up their production plant in Estonia
• **Country:** Estonia

• **Description:** create the opportunity for companies to significantly reduce energy costs and to earn income through participation in energy trade by demand response

• **Aim:** balancing electricity grid by using already existing energy instead of fossil fuel generators

• **EIT Connection:** EIT Climate-KIC RIS Accelerator 2018

• **Team:** 1-10

• **Funding raised:** € 50 000
- **Country:** Slovakia
- **Description:** offers ecological biotechnology for refining locally available mineral resources into high-quality raw materials as an on-site service
- **Aim:** improve the quality of locally available mineral resources in Europe
- **EIT Connection:** EIT RawMaterials Jumpstarter 2018
- **Team:** the team of four is predominantly female
- The first customer contract is expected to be signed by the end of April 2019

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The success of our start-up would never have been possible without first of all getting into the Joint Business Idea programme and all the support we received there right from the beginning, encouraging us to really go for our idea and putting us on track.

Darina Štyriaková, Founder ekolive
- **Country:** Slovakia
- **Description:** developing a graphene temperature sensor, available as ultra-thin film, applied to any non-metallic substrate
- **Aim:** significantly improve the final features of the industrial end-to-end product and technology
- **EIT Connection:** EIT InnoEnergy PowerUp! 2019 Grand Final Winner
- **Team:** 7
- awarded by the European Commission with the European Union Seal of Excellence for graphene temperature sensor for batteries
WHAT CAN THE EIT COMMUNITY DO FOR YOU?

The EIT is a body of the European Union
OPPORTUNITIES FOR ALL INNOVATORS!

BUSINESS
Access exceptional talent, innovation know-how and new market opportunities

ENTREPRENEURS
Start a new venture, improve your competitiveness, and find commercial success

PUBLIC AUTHORITIES
Leverage Europe’s investment in innovation and shape Europe’s future towards more sustainable, inclusive and smart growth

UNIVERSITIES
Be part of the movement that enables innovation and creates a more favourable environment for cross-sectorial and cross-border cooperation

STUDENTS
Unleash your innovation potential by combining technical studies with entrepreneurial skills in unique EIT programmes

RESEARCHERS
Get your ideas off the ground, bring great ideas to life, and take your innovation to the market
Synergies with Smart Specialisation Strategies
EIT RIS as a platform for creating synergies

• Providing access to the existing EIT Innovation Communities’ pools of expertise in the relevant areas of interest for the Managing Authorities and Regional Institutions;
• Providing access for companies from EIT RIS countries to Global Value Chains through the EIT Community partners and available equipment / infrastructure;
• Seeking association to the topic-wise relevant thematic smart specialisation platforms and the partnerships thereunder;
• Facilitating the spill-over effects through the CLCs/ EIT Hubs at national, regional and interregional levels.
• Providing mentoring services regarding the strengthening of links between local Knowledge Triangle actors based on the so-far experience and expertise from the implementation of the KTI model in CLCs and EIT RIS regions as well.
Prospects for 2021-2027

- EIT Regional Innovation Scheme integrated in the EIT innovation model
- More collaboration between EU13 and EU15
- Special focus on the role of higher education institutions
- Tapping into “pockets of excellence” – regionally embed them by connecting to the R&I players and inter-connect with larger European networks