



European Institute of
Innovation & Technology

The EIT is a body of the European Union



Making Innovation Happen

Mathea Fammels

Head of EIT Liaison Office Brussels



WE POWER INNOVATORS
AND ENTREPRENEURS
TO DEVELOP INNOVATIVE
SOLUTIONS TO GLOBAL
CHALLENGES AND CREATE
GROWTH AND JOBS FOR EUROPE



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THE EIT – UNIQUE INNOVATION INSTRUMENT

- Enhances Europe's **innovation capacity, competitiveness, quality of life**
- **Innovation ecosystems** to increase the co-operation and integration between higher education, business and research
- Addresses **societal challenges**
- **Unique features:** pan-European, long-term (7-15 years), financial sustainability



Student to
entrepreneur



Idea to
product



Lab to
customer

EIT - AN INTEGRAL PART OF HORIZON 2020



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



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



EUROPE'S LARGEST INNOVATION COMMUNITY



EIT COMMUNITY: CONNECTING THE DOTS



**GLOBAL
CHALLENGES**

**ENTREPRENEURIAL
EDUCATION**

**FINANCIAL
SUSTAINABILITY**

POLICY LEARNINGS

**REGIONAL
COOPERATION**

RESEARCH

**FINANCIAL
LEVERAGING**

**MULTIPARTY
COMMUNITIES**

**BUSINESS CREATION
& ACCELERATION**

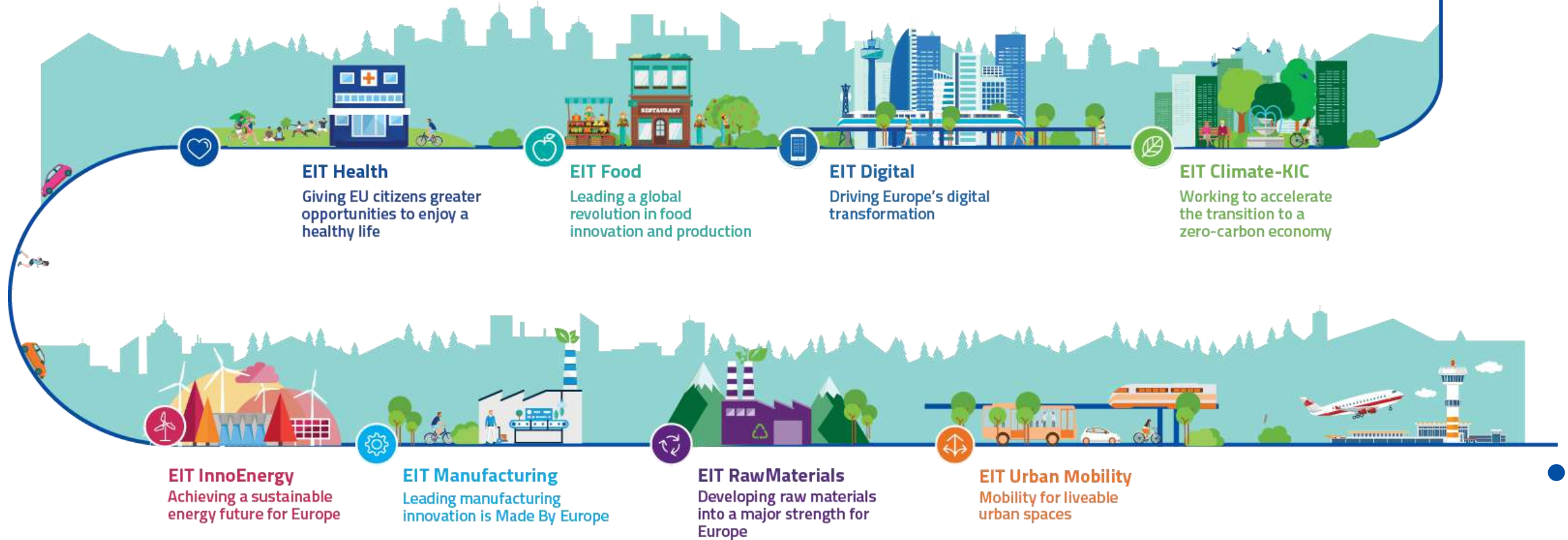
#INNOVATIONMADEINEUROPE

**EIT COMMUNITY
COOPERATION**

**SME & SCALE-UP
SUPPORT**

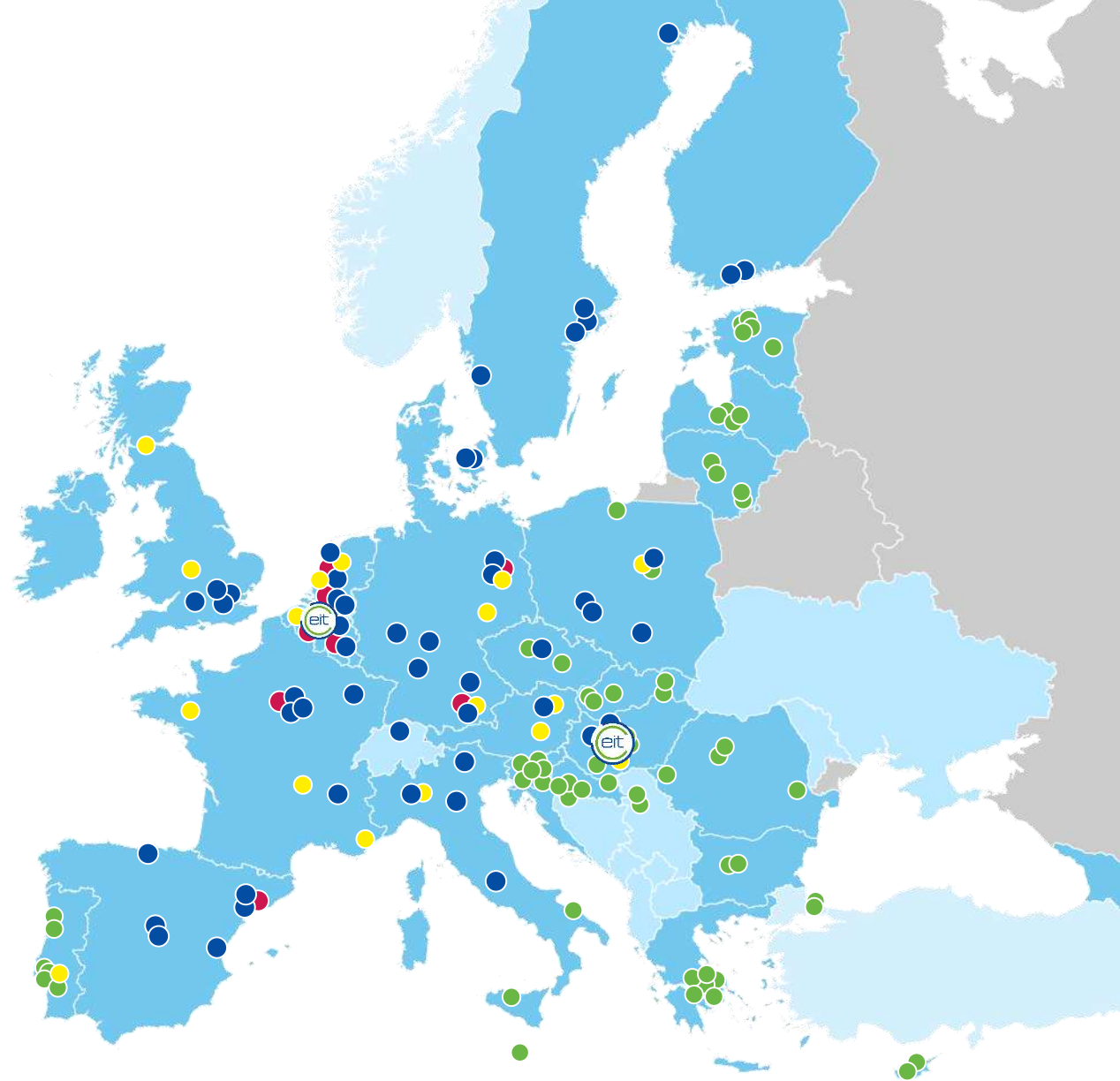


EIT INNOVATION COMMUNITIES



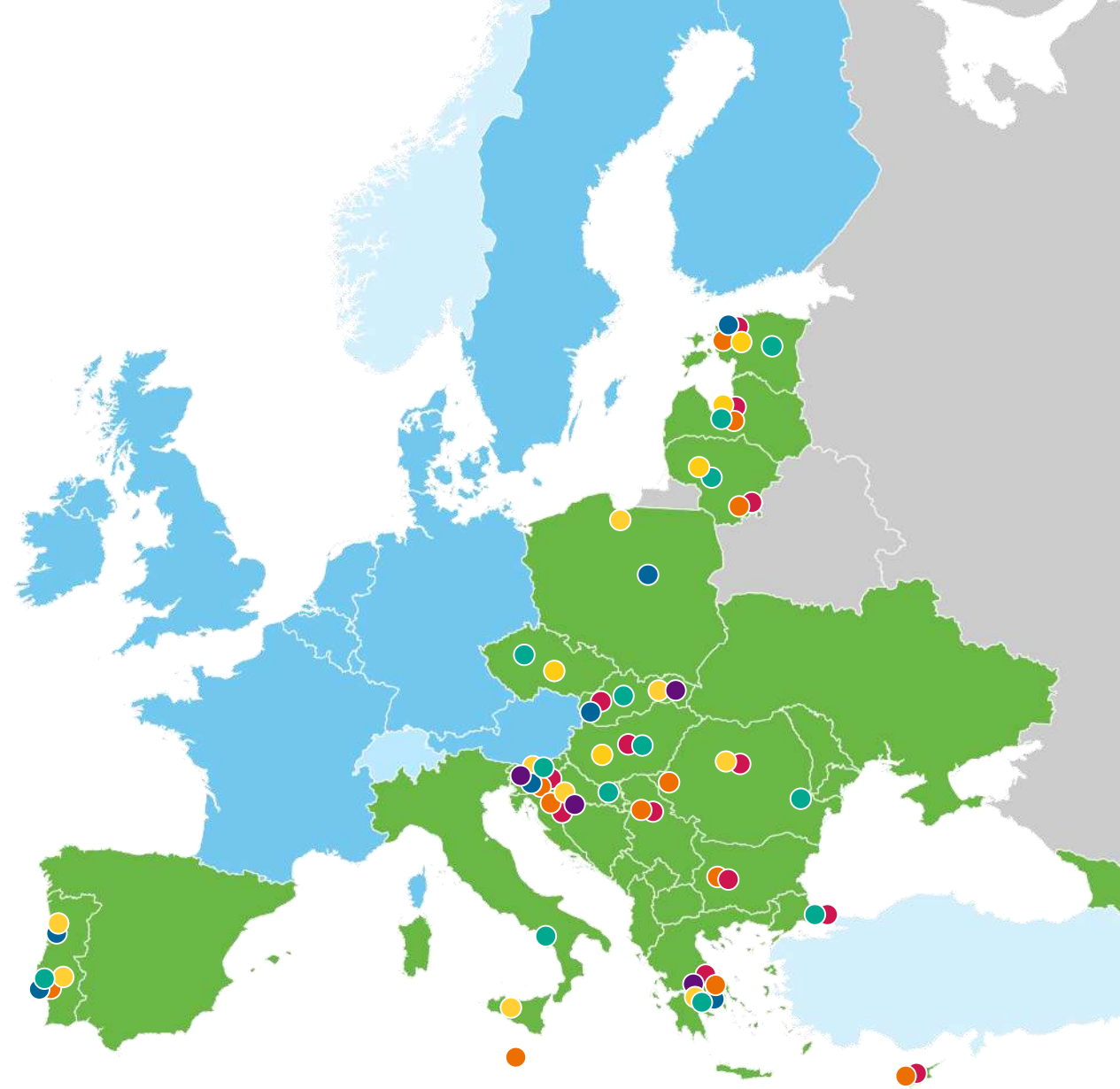
EIT COMMUNITY ACROSS EUROPE

- Headquarters
- Innovation Hubs
- Offices
- EIT RIS Entities



EIT REGIONAL INNOVATION SCHEME

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



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From student
to entrepreneur



From idea
to product



From lab
to customer



Driving innovation
in Europe!

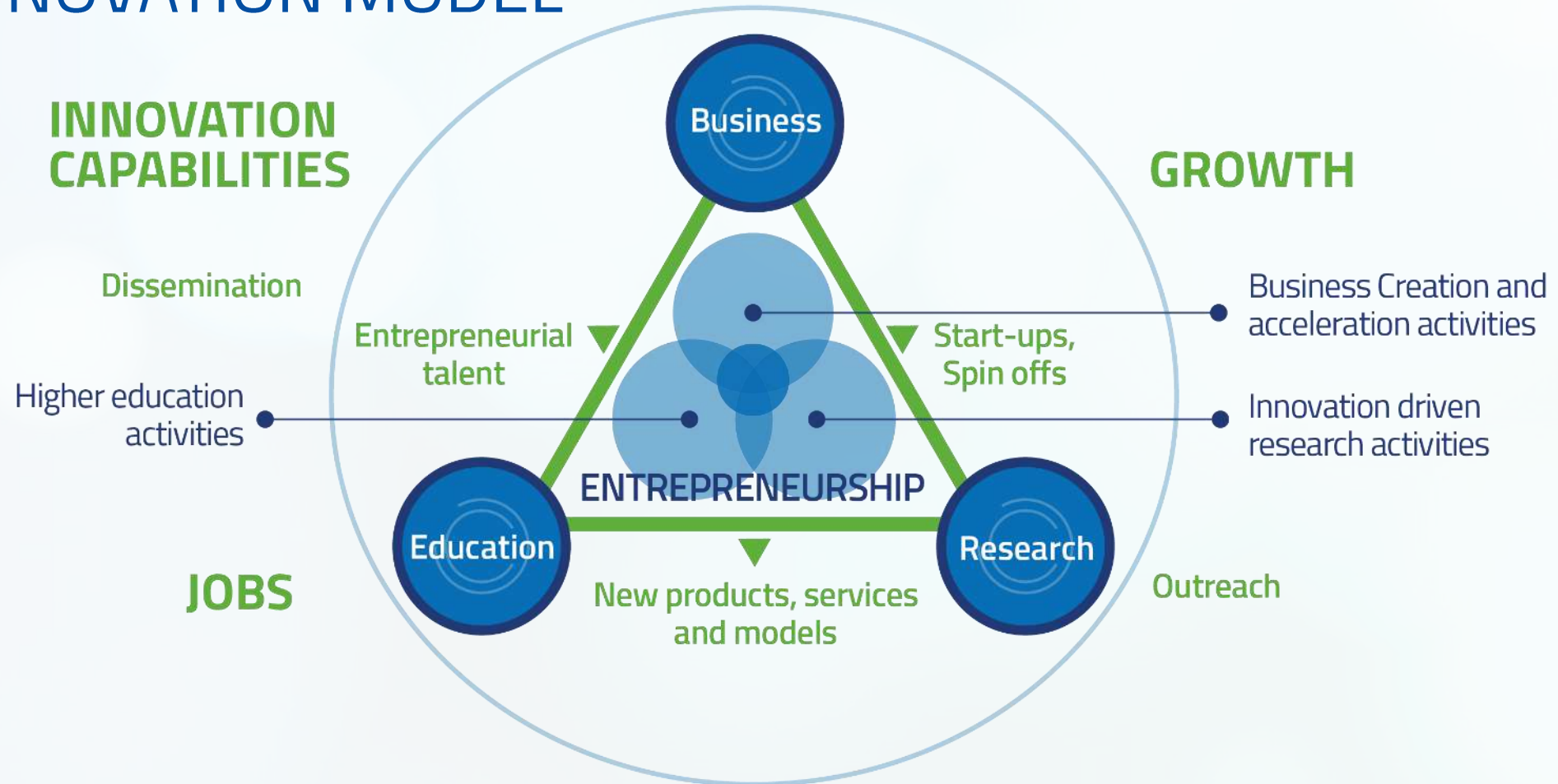


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EIT INNOVATION MODEL



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 commitment of partners**
- **Effective governance:** run by a CEO and a lean management team
- **Innovation Hubs:** 5-8 per Innovation Community
- **Results & high impact oriented activities:** a 7-year Strategy and (Multi-)Annual Business Plans
- **Culture:** strong entrepreneurial mind-sets at national, European and international level

EIT EDUCATION

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



Educating the next generation of entrepreneurs, innovators & change-makers

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





INNOVATION DRIVEN RESEARCH PROJECTS

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 REGIONAL INNOVATION SCHEME (EIT RIS)

Objective

- A **two-way** interaction scheme
- Increasing the ability to innovate in countries and regions across Europe that are **modest and moderate*** innovators

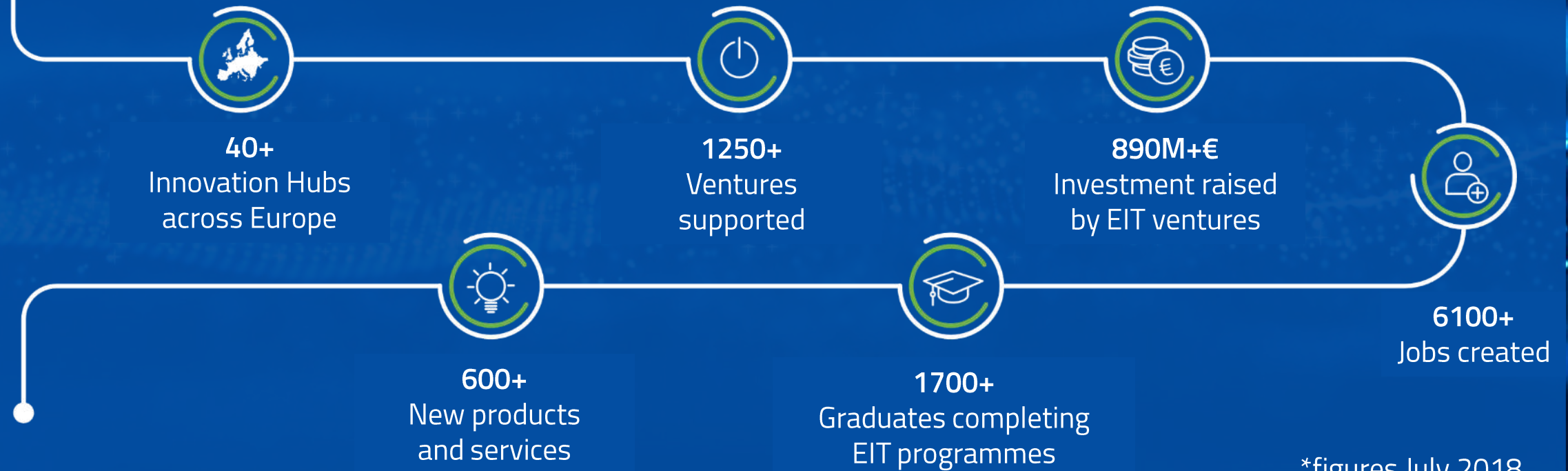
Approach

- Share and transfer good practices to widen participation in EIT Community activities
- **Allow for cooperation** in regions and countries that have been designing **Smart Specialisation Strategies**

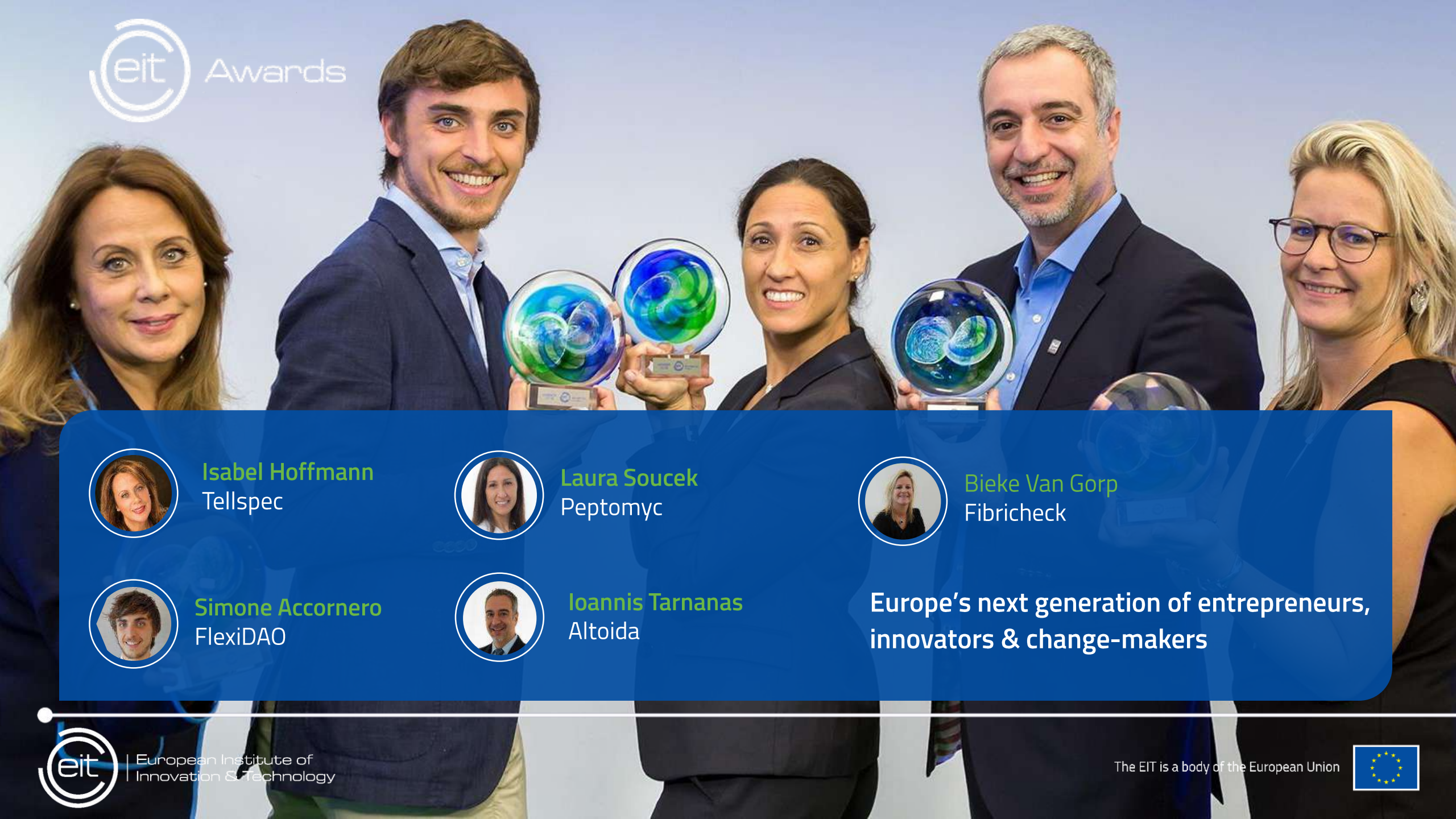
* European Innovation Scoreboard 2018

EIT RESULTS

Europe's tried, tested and proven innovation engine



*figures July 2018



Isabel Hoffmann
Tellspec



Laura Soucek
Peptomyc



Bieke Van Gorp
Fibriceck



Simone Accornero
FlexiDAO



Ioannis Tarnanas
Altoida

Europe's next generation of entrepreneurs,
innovators & change-makers



SKELE+ON TECHNOLOGIES

- **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 +



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 staff
- **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 staff
- **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

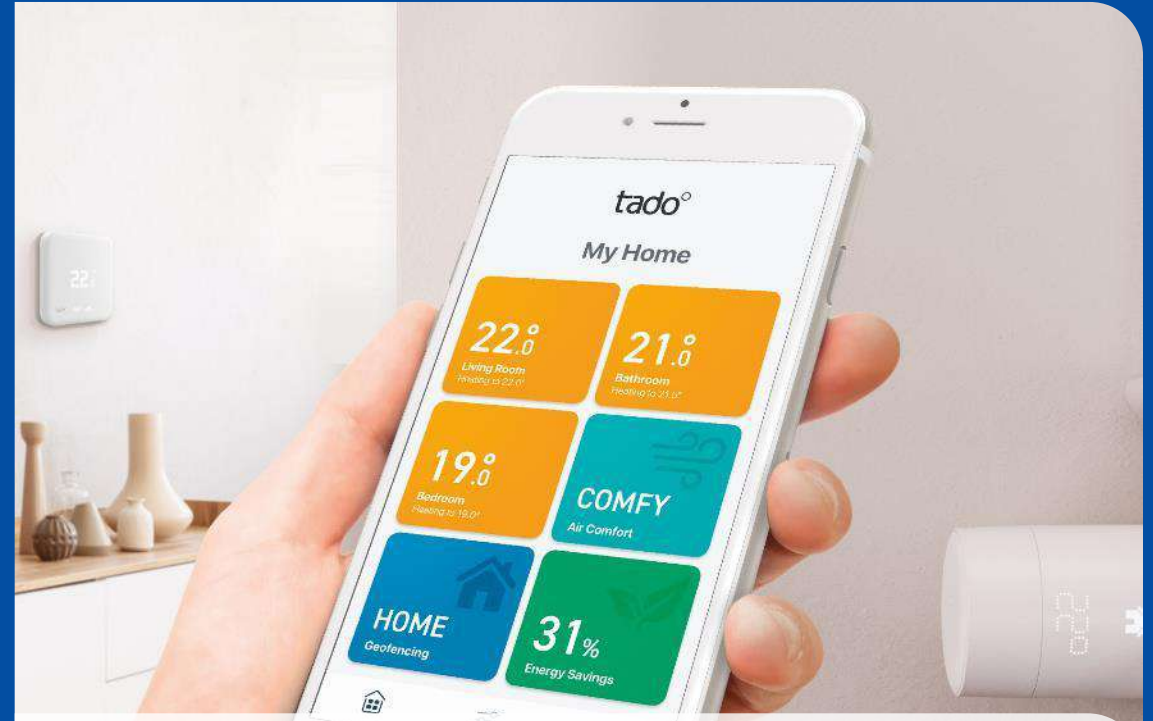


 We chose to work together with the EIT because they have a great network in the European innovation scheme. They have a lot of corporate companies that they work together with and they provide access to a lot of unique talent.

Andreas Kunze, CEO, KONUX

tado°

- **Country:** Germany
- **Description:** Intelligent climate control
- **Aim:** Make homes and workplaces more comfortable, and help save money and energy (30% saving on heating costs)
- **EIT Connection:** EIT Climate-KIC Accelerator
- **Team:** 180 staff
- **Funding raised:** € 89 million



EIT Climate-KIC has not only supported us within its financial funding programmes, but has also offered us a great platform to exchange knowledge

Stefanie Sedlak, PR and Communication Manager, tado°



- **Country:** Latvia
- **Description:** Sustainable building products
- **Aim:** Produce clay mineral materials that replace toxic chemicals in building products
- **EIT Connection:** EIT RawMaterials Booster
- **Funding raised:** € 550 000



The EIT Community is an excellent springboard to grow and scale your business

Solvita Kostjukova CEO, ALINA



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RawMaterials

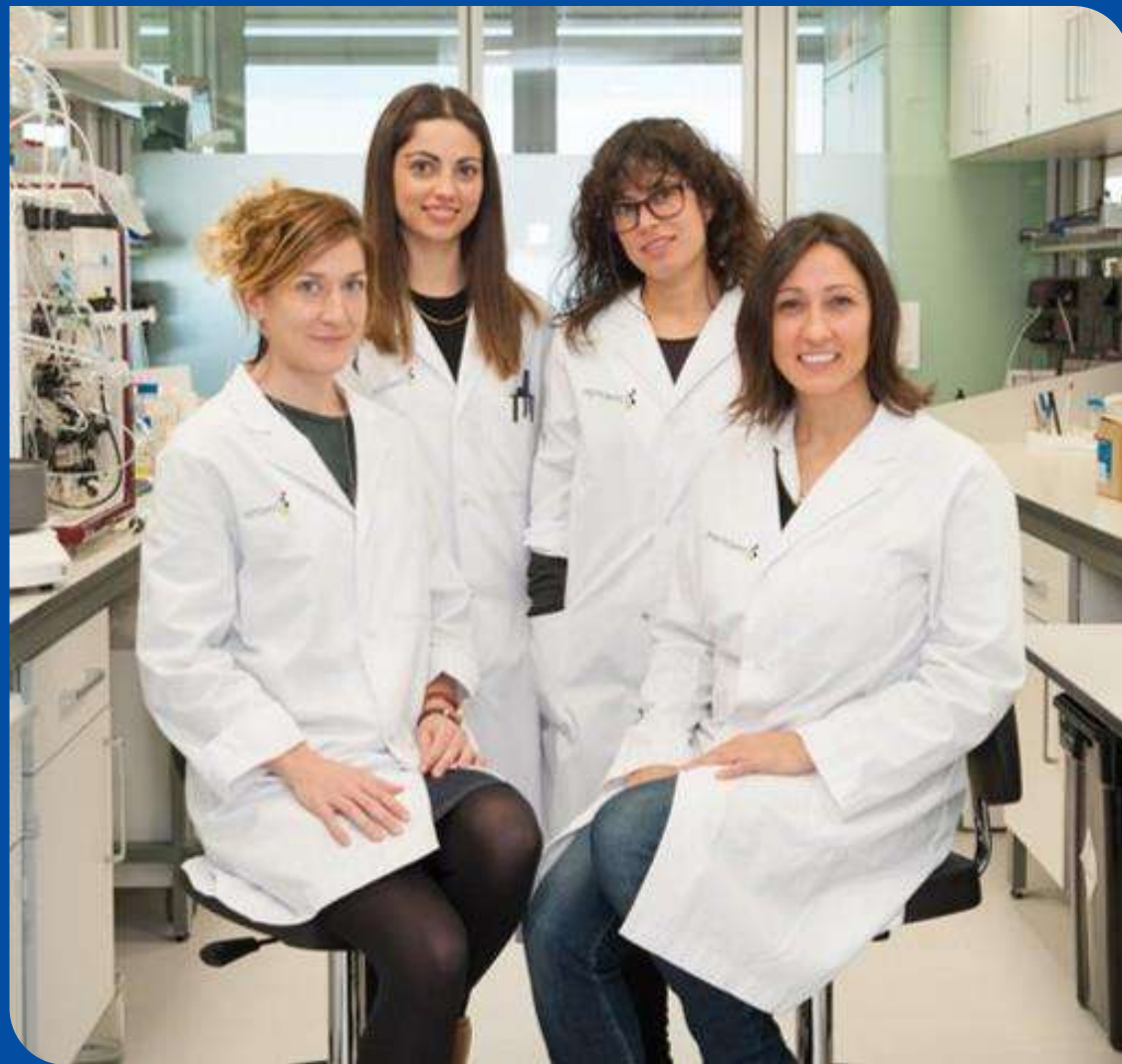
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PEPTOMYC



- **Country:** Spain
- **Description:** A new generation of cell penetrating peptides (CPPs) targeting the Myc oncoprotein for cancer treatment.
- **Aim:** Develop a cancer therapy that is effective against several types of tumours.
- **EIT Connection:** EIT Health Accelerator / European Health Catapult
- **Team:** 5
- **Founding:** € 6.3 million +



northvolt®

- **Country:** Sweden
- **Description:** High quality lithium-ion battery
- **Aim:** Build the world's greenest battery, with a minimal carbon footprint and the highest ambitions for recycling, to enable the European transition to renewable energy
- **EIT Connection:** EIT InnoEnergy investment
- **Team:** 200+
- **Funding raised:** € 362 million



EIT InnoEnergy is the gateway to the largest and most valuable innovation ecosystem in Europe. EIT InnoEnergy's network has the power to support us for years to come.

Peter Carlsson, CEO & co-founder Northvolt



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EIT STRATEGIC INNOVATION AGENDA (EIT SIA) 2021-2027



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HORIZON EUROPE: EVOLUTION NOT REVOLUTION

Specific objectives of the Programme

Support the creation and diffusion of high-quality knowledge

Strengthen the impact of R&I in supporting EU policies

Foster all forms of innovation and strengthen market deployment

Optimise the Programme's delivery for impact in a strengthened ERA



Pillar 1 Open Science

European Research Council

Marie Skłodowska-Curie Actions

Research Infrastructures



Pillar 2 Global Challenges and Industrial Competitiveness

Clusters

- Health
- Inclusive and Secure Society
- Digital and Industry
- Climate, Energy and Mobility
- Food and natural resources

Joint Research Centre



Pillar 3 Open Innovation

European Innovation Council

European innovation ecosystems

European Institute of Innovation and Technology (3bil.EURO)

Strengthening the European Research Area

Sharing excellence

Reforming and Enhancing the European R&I system

EIT in Horizon Europe | Intervention Areas



Strengthen **sustainable innovation ecosystems** across Europe.



Foster **innovation and entrepreneurial skills in a lifelong learning perspective**, including increasing capacities of higher education institutions across Europe.



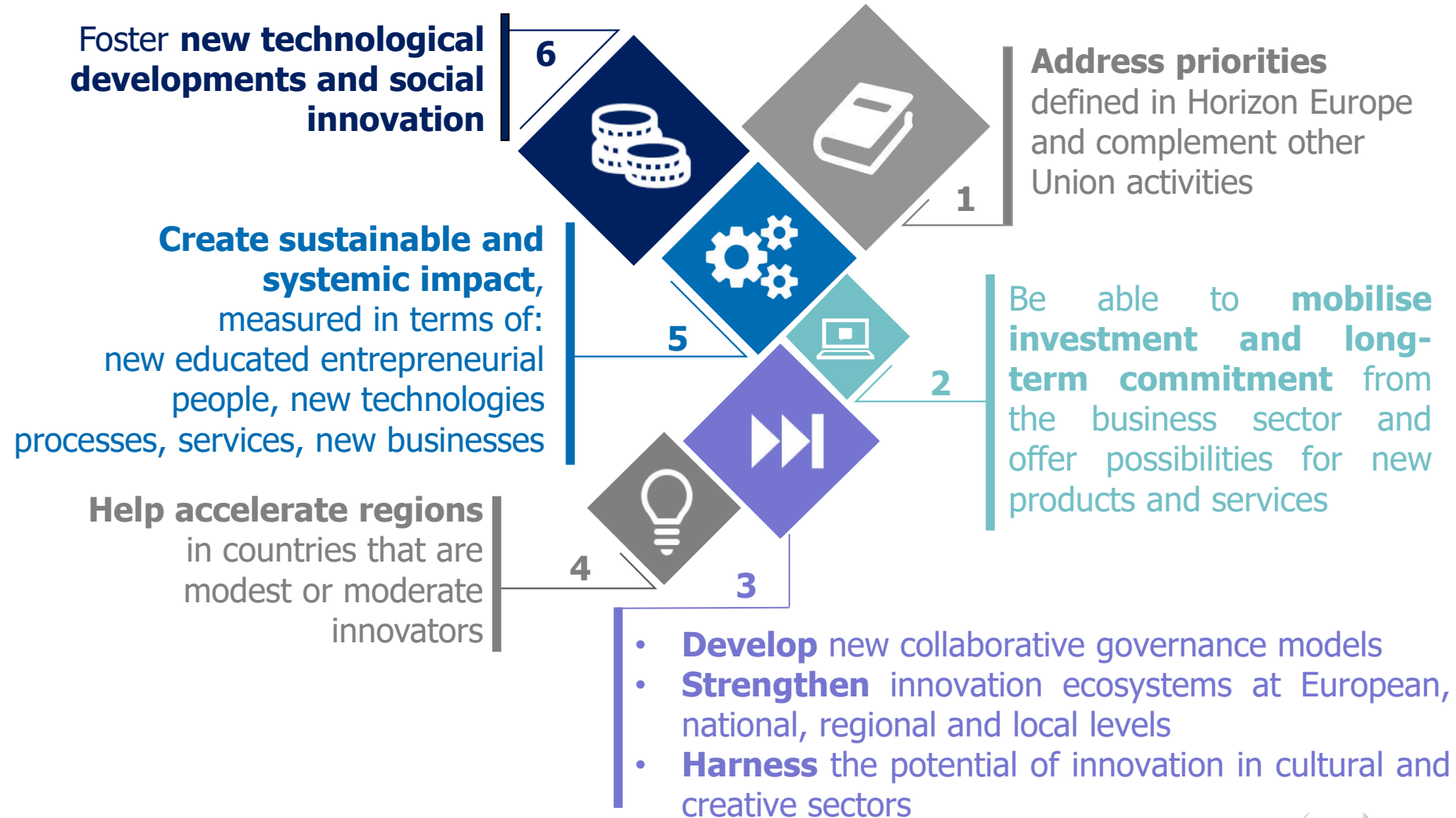
Bring **new solutions to the market** to address global challenges.



Synergies and value added within Horizon Europe and with other relevant EU programmes.



A KIC on “Cultural and Creative Industries” will



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