EIT Community in Lithuania

Making innovation happen!

METHODOLGY NOTE

Financial data: 2017.

Presented financial data of partners and linked 3rd parties include a share of the EIT grant transferred to the Legal Entities (LEs) and the Innovation Hubs. The share is calculated based on each partner's / linked 3rd party's received EIT grant, in proportion to the total EIT grant received by all the Innovation Communities' partners / linked 3rd parties.

Data on Innovation Community structures, EIT RIS, EIT-labelled programmes, and participations: Sept 2018.

Please note that the number of participations per country may include several participations from a single organisation, and include both partner organisations and linked 3rd parties. The data on participations was retrieved on 13 September 2018 from the EIT's partnership management database. Organisations whose partnership requests were being processed at that time (entering and exiting organisations) may not have been included in the factsheet.

The information contained in the following pages about students, graduates, entrepreneurs, companies, and/or innovation projects is gathered from publicly available sources, as well as from the EIT Innovation Communities and the innovators themselves.
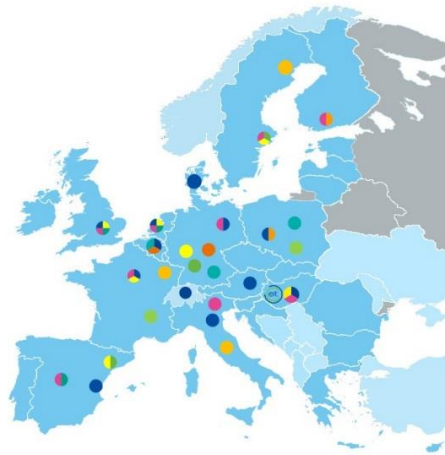
Making innovation happen

The challenges the world faces are well documented. Climate change, for example, will exacerbate the scarcity of resources. This influences food, water and energy supply, and affects health and national security. **The European Institute of Innovation and Technology (EIT)** was set up to find solutions to such challenges and this is exactly what we deliver. We do this with tangible results, bridging innovation gaps among regions.

Europe's largest Innovation Community

- EIT Climate-KIC
- EIT Digital
- EIT Food
- EIT Health
- EIT InnoEnergy
- EIT RawMaterials
- EIT Headquarters

RESULTS & IMPACT

€ 890 + million investment raised by EIT ventures

6100+ jobs created

1700+ graduates

1250+ ventures supported

600+ new products

Did you know?

The EIT is home to innovations that **make the difference for this planet, the EU and its citizens.**

- Incredible new cancer therapies and other treatments;
- cleaning toxic waste for reuse;
- navigation belts for the blind;
- truly innovative methods of generating energy and clean water.

Not science fiction, but cutting-edge **innovations from EIT innovators.**

What EIT Innovation Communities are there?

- **EIT Climate-KIC** - working to accelerate the transition to a zero-carbon economy
- **EIT Digital** - driving Europe's digital transformation
- **EIT Food** - leading a global revolution in food innovation and production
- **EIT Health** - giving EU citizens greater opportunities to enjoy a healthier and active life for longer
- **EIT InnoEnergy** - achieving a sustainable energy future for Europe
- **EIT Raw Materials** - turn Europe's dependence on raw materials into a strategic strength

In December 2018, two new Innovation Communities joined us:

- **EIT Manufacturing**: strengthening and increasing the competiveness of Europe's manufacturing industry
- **EIT Urban Mobility:** providing sustainable solutions for urban mobility

> Being an entrepreneur never occurred to me before EIT Climate-KIC. They brought out the entrepreneur in me!
>
> **Florence Gschwend**, co-founder Chrysalix Technologies and EIT CHANGE Award winner 2017

> EIT Health really opens doors for start-ups! They really helped us on our journey to reach our patients.
>
> **Carsten Mahrenholz**, CEO COLDPLASMATECH and EIT Audience Award winner 2017

The EIT Community brings together:

570+ companies, including SMEs

190+ higher education institutions

150+ research centers

80+ cities, regions and NGOs

The EIT: Working across Europe

Our mission to build up Europe's ability to innovate. We bridge the existing gaps in innovation performance across Europe. We achieve this through the **EIT Regional Innovation Scheme**.

Our operational arms are the **EIT Innovation Communities.** They cooperate closely with the local ecosystem.

The future of the EIT

In **Horizon Europe**, the EIT will continue to:

- generate ground-breaking products and services;
- start revolutionary companies;
- train a new generation of entrepreneurs.

We also want to find new solutions to **European challenges and set up new Innovation Communities**. Do you wonder where our water will come from? Do you think about the future of European culture and creative industries, security and migration? We do too, so we want to **roll out our model to new countries and regions**.

We will also expand our entrepreneurial education model, because **education is at the heart of innovation and our future**.

EIT Community in Lithuania

The EIT boosts innovation across the EU and all of its Member States. In Lithuania, the EIT Community delivers education, innovation and entrepreneurship activities through its outreach strategy, the EIT Regional Innovation Scheme (EIT RIS). The aim of the EIT RIS is to boost innovation in European countries that are defined as modest or moderate innovators by the European Innovation Scoreboard. The EIT Community works towards this objective by engaging local organisations and individuals in our Innovation Communities' activities, transferring good practices to local innovation ecosystems, and providing tailor-made services to bridge innovation gaps.

The **EIT Climate-KIC** Lithuania Hub is composed of Vilnius Tech Park, Contrarian Ventures, Startup Highway, Infobalt and the Lithuanian Confederation of Renewable Resources. The Hub will be a focal point for organisations from across business and entrepreneurship, higher education, research and technology.

The EIT Climate-KIC Hub related to Lithuania's Smart Specialisation Strategy and Priorities and works on energy and sustainable environment, transport, logistics, information and communication technologies, cooperating closely with the agriculture sector.

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EIT Digital serves the whole of Europe through the EIT Regional Innovation Scheme programme. At EIT Digital, this programme is called ARISE Europe. Although EIT Digital does not have a Hub in Lithuania, through ARISE Europe, EIT Digital stimulates growth in EU countries where EIT Digital is not present with Innovation Hubs.

The ARISE Europe programme carries out business innovation projects with its local partners, bringing together investors, start-ups and SMEs. We provide them the framework for collaboration with EIT Digital and its partners in order to create value through co-branded activities for ecosystem stimulation, joint support to boost technology projects, start-ups and scale-ups at the European level; high-quality mentoring, market access and fundraising opportunities.

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EIT InnoEnergy's Hub in Lithuania is run by Vilnus Techpark, which is the biggest ICT start-up hub in the Baltics and Nordics, uniting international start-ups, tech companies, accelerators, incubators and other ecosystem players.

EIT InnoEnergy offers Business Creation Services to energy-related start-ups and scale-ups at different stages of maturity. Additionally, EIT InnoEnergy offers entrepreneurial education programmes and sets up innovation projects that bring together researchers and industry to create commercially viable technologies.

✉ **hublithuania@innoenergy.com**   🌐 **www.innoenergy.com/hub/hub-lithuania/**

EIT Health's Hub in Lithuania is one of EIT Health's newest Hubs, selected and established in 2018. It is run by the Lithuanian University of Health Sciences, based in Kaunas. The Hub will contribute to the development of local innovation ecosystem and implementation of EIT RIS.

EIT Health offers a wide range of services to innovators. Their business creation and acceleration programme is open to entrepreneurs at every stage of the innovation process. EIT Health also provides comprehensive support to innovation projects and education programmes for aspiring entrepreneurs and professionals in the healthcare sector.

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EIT RawMaterials has a Lithuanian project partner – Kaunas University of Technology (KTU), although it is not represented with a Hub in Lithuania.

Lithuania is covered by EIT RawMaterials' outreach strategy to extend their reach by establishing fruitful partnerships and sharing good practices. EIT RawMaterials' EIT RIS activities are defined on a case-by-case basis. These activities include mobility programmes for students and professors, study visits, technology transfers, support to start-ups, joint communication, and networking events.

✉ **ris@eitrawmaterials.com**   🌐 **www.eitrawmaterials.eu/eit-regional-innovation-scheme-ris**

Following its establishment at the end of 2016, **EIT Food** is now in the process of setting up and consolidating their activities. EIT Food's Hub in Lithuania is run by the Kaunas University of Technology.

The Hub's aim is to connect the Lithuanian start-up community to EIT Food's innovation ecosystem and ensure that local innovators can benefit from EIT Food's portfolio of innovation instruments. Furthermore, the Hub will act as the regional contact point for interested stakeholders, maintain relations with key regional players, and organise events and workshops for students, graduates and entrepreneurs.

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European Institute of Innovation & Technology

From student to entrepreneur → From idea to product → From lab to customer → Driving innovation in Europe!

EIT Education Activities in Lithuania

Through the **EIT Education Activities**, the EIT Community supports tomorrow's entrepreneurs and strengthens Europe's entrepreneurial culture. **EIT-labelled Master's and Doctoral degrees** make up the EIT's flagship initiative in education. These programmes combine excellent technical knowledge with robust entrepreneurship education. By completing an EIT-labelled programme, students earn a **double degree** from two of our partner universities **spread across Europe**.

In addition to EIT-labelled university degrees, the EIT Community offers European citizens a long list of other education activities: **lifelong-learning**; **professional and executive trainings**; **short courses and summer schools**; and **online courses**. Furthermore, several of our Innovation Communities offer **education activities in Lithuania** or **directed at Lithuanian citizens** through the EIT RIS.

EIT Food's RIS Fellowships offers 30 students and graduates from RIS countries unique, paid three-month internships. During a multi-step recruitment process, candidates participate in networking and case study workshops led by EIT Food's hubs. The best candidates are offered internships in different areas of operations in EIT Food's **partner companies** or **RisingFoodStars companies**. The interns take on learning-by-doing activities and real-life challenges faced by the food industry. In 2018, **7 Lithuanian students and graduates** applied for the fellowship.

EIT Health's StarShip Programme is an EIT Health educational initiative in cooperation with the University of Coimbra, IESE Business School, the RISE Research Institutes of Sweden, and Instituto Pedro Nunes, as well as six partnering companies. Using blended education approaches, such as the **Stanford Biodesign Concept**, StarShip is a unique opportunity to be involved in industry-driven life science innovation. During the one-year long programme, fellows work together in multidisciplinary teams and learn a proven, action-based approach to find solutions to health challenges in collaboration with key industrial players. The outcomes are the development of – or crucial contributions to – market-relevant products or services.

EIT InnoEnergy's Primer is an educational programme for start-ups in the pre-acceleration phase. Through the programme, aspiring entrepreneurs learn what it takes to build a successful business and how to overcome challenges in the sustainable energy sector. It focuses on different thematic areas, including how to develop a business model, a go-to-market strategy, or the perfect pitch. In 2018, **40 Lithuanian entrepreneurs** applied for the Primer programme.

EIT Business Creation & Acceleration Services in Lithuania

The EIT Community's programmes cover the entire innovation chain from pre-incubation to business acceleration in the fields of climate, digital, energy, food, health, and raw materials. These programmes are open to ventures and budding entrepreneurs from Lithuania. Furthermore, EIT Climate-KIC, EIT Health, and EIT InnoEnergy offer several activities specifically directed at Lithuanian innovators.

EIT Climate-KIC offers entrepreneurs a chance to participate in the **Climathon**, a global 24-hour climate change hackathon, which gathers innovators, students and professionals with an aim to solve climate challenges. On 26-27th October 2018, Vilnius hosted the event in Lithuania. EIT Climate-KIC's **Climate Launchpad** is the world's largest green business idea competition, offering training, coaching, and financial support. In 2018, Lithuanian start-up **Biovala**, which developed a green closed-cycle soil cleaning technology, won the first prize in the Lithuanian national Final.

EIT Digital's ARISE Europe, part of the EIT Regional Innovation Scheme (RIS), is a program of EIT Digital designed to stimulate regional growth in EU countries where EIT Digital is not present with one of its Nodes. Its objective is to connect local and regional Innovation Centres to EIT Digital's innovation and education ecosystem.

EIT Health expanded several of its business accelerator services into Lithuania in 2018. The services include EIT Health **InnoStars Awards** – a training and competition programme, which provides 25 early stage companies and SMEs with an opportunity to receive € 8 000 for business development and product validation, and EIT Health **Headstart Programme**, which provides funding for start-ups and SMEs to develop new products and services. Additionally, the **European Health Catapult**, a training and competition platform for start-ups or young SMEs in Medtech, Biotech and Digital Health, is also now available to Lithuanian citizens.

EIT InnoEnergy's **PowerUp! Competition** is a competition for energy, cleantech, mobility, cybersecurity, and smart city start-ups from 24 countries. The competition offers financial awards up to € 30,000 and the opportunity of an investment of € 150,000. The Lithuanian start-up, **WellParko**, which helps parking companies and municipalities to reduce staff count in terms of traffic wardens, to optimise operations and create additional value, won the 2018 Lithuanian National Final and took the second prize in the Grand Final in the Czech Republic in June.

EIT Outreach and Dissemination Activities in Lithuania

The EIT Innovation Communities also organise and participate in events and networking activities to reach out to promising Lithuanian start-ups and potential stakeholders through their hubs. For example, in October 2018, **EIT Health Hub** Lithuania and its ecosystem participated in the **event** in Brussels, organised by DG EAC and the EIT during the European Week of Regions and Cities. The main topic of the discussion was the role of Vilnius and Kaunas – the two biggest innovation hubs – in the development of the local ecosystems.

In 2018, **EIT InnoEnergy** signed a cooperation agreement with the **Lithuanian Ministry of Energy**, under which both parties will carry out joint activities, supporting the development of energy innovation. The cooperation also aims to support the country's ambition to develop energy transformation technologies, whilst bringing innovation benefits closer to consumers.

In 2018, EIT InnoEnergy's representatives also participated in **Bilateral Forum on Sustainable Energy** at Vilnius Tech Park, where they introduced EIT InnoEnergy's activities and start-up ecosystem.
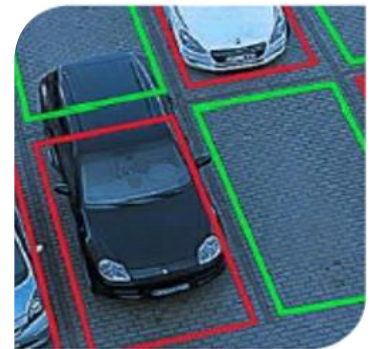
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Biovala, supported by EIT Climate-KIC

Biovala wants to fight soil pollution by developing a closed cycle phytoremediation technology. Biovala grows specially selected plants in contaminated soils and obtains the biomass of the plant. This biomass is recycled and used to produce biogas, which can be used as a high quality organic fertiliser that helps to restore the condition of soil. BIOVALA won the national final of EIT Climate-KIC's Climate Launchpad. They also competed in the Global Grand Final in Edinburgh in November 2018.
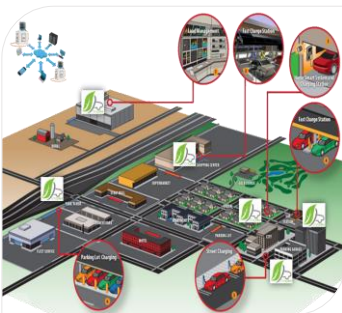
WellParko, supported by EIT InnoEnergy

WellParko helps parking companies and municipalities to reduce the staff count of parking enforcement officers, optimise operations, and create additional value. Their AI algorithms detect a car's presence in real time and connects to pre-installed video surveillance cameras. In 2018, WellParko won the Country Final of EIT InnoEnergy's PowerUp! Competition, which gave them the opportunity to pitch at the Grand Final of the competition in Prague held in June 2018, and receive training from high quality mentors and business developers. At the Grand Final, WellParko took the second place, receiving a € 10,000 prize.

SmartChargeBox, supported by EIT InnoEnergy

SmartChargeBox is an electric transport infrastructure solution specifically adapted to electric vehicles (BEV or PHEV) which can also be used by other electric transport units, such as bicycles and wheelchairs. SmartChargeBox is an IOT-based solution, offering various adaptability opportunities and controllable operational procedures. Thus allowing dynamic business models to integrate with the EV charging infrastructure.

Oxipit, supported by EIT Health

Oxipit is applying artificial intelligence to medical imaging. They have developed a suite of tools for chest x-rays, which is the most frequent medical imaging modality. The solution takes a digital X-ray image and uses the database of a hospital to find similar cases. This results in hundreds of templates readily available, and an unprecedented ability to consult prior cases from an archive worth several lifetimes of experience. In 2018, Oxipit won the EIT Health InnoStars Awards, receiving a € 25 000 prize for product validation.