EIT: Making innovation happen!

EIT Member State Configuration meeting

Martin Kern – EIT Interim Director
17 October 2017
EIT Achievements & Results

The EIT is a body of the European Union
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.
<table>
<thead>
<tr>
<th>Country</th>
<th>Germany</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>A zero-emissions electric jet for up to 5 people</td>
</tr>
<tr>
<td>Aim</td>
<td>Design the world’s first and fastest all-electric VTOL long-range air taxi</td>
</tr>
<tr>
<td>EIT Community connection</td>
<td>EIT Climate-KIC Accelerator</td>
</tr>
<tr>
<td>Team</td>
<td>100 staff</td>
</tr>
<tr>
<td>VC funding</td>
<td>85 million euro</td>
</tr>
<tr>
<td>Website</td>
<td><a href="https://lilium.com/">https://lilium.com/</a></td>
</tr>
</tbody>
</table>
tado°

Description: Intelligent climate control
Aim: Make users' homes and places of work more comfortable, and help them to save money and energy (30% saving on heating costs)
EIT Community connection: EIT Climate-KIC Accelerator
Team: 130 staff
Revenue growth: 630% in 2014, 350% in 2015
VC funding: >75 million euro
Website: tado.com

“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°

EIT Climate-KIC is supported by the EIT, a body of the European Union
## Skeleton Technologies

<table>
<thead>
<tr>
<th>Country</th>
<th>Estonia</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>Ultracapacitor power cells with curved graphene technology</td>
</tr>
<tr>
<td>Aim</td>
<td>Provide ground-breaking energy storage solutions</td>
</tr>
<tr>
<td>EIT Community connection</td>
<td>EIT InnoEnergy Innovation Projects</td>
</tr>
<tr>
<td>Team</td>
<td>100</td>
</tr>
<tr>
<td>VC funding</td>
<td>41.7 million euro</td>
</tr>
<tr>
<td>Website</td>
<td>skeletontech.com</td>
</tr>
</tbody>
</table>

“We see EIT InnoEnergy as a strong, value-added partner, with a number of their investors being current or potential customers of Skeleton Technologies.”

Taavi Madiberk, CEO of Skeleton Technologies
**KONUX**

<table>
<thead>
<tr>
<th><strong>Country</strong></th>
<th>Germany</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Description</strong></td>
<td>An industrial sensor solution that tracks and analyses the causes of machine breakdowns</td>
</tr>
<tr>
<td><strong>Aim</strong></td>
<td>Deliver the insights into machine breakdowns that customers need</td>
</tr>
<tr>
<td><strong>EIT Community connection</strong></td>
<td>EIT Digital Accelerator Supported at the EIT Digital German Co-Location Centre</td>
</tr>
<tr>
<td><strong>Team</strong></td>
<td>35</td>
</tr>
<tr>
<td><strong>VC funding</strong></td>
<td>18 million euros</td>
</tr>
<tr>
<td><strong>Website</strong></td>
<td>konux.com</td>
</tr>
</tbody>
</table>

“We’ve received coaching at the EIT Digital Silicon Valley Hub [and] we’ve benefited from joint promotional activities.” -- Andreas Kunze, CEO of KONUX
NAVYA

Country  France
Description  Innovative and intelligent driverless shuttle transporting up to 15 passengers
Aim  NAVYA ARMA, a 100% electric and fully autonomous transport vehicle.

EIT Community connection  EIT Digital Accelerator
Team  360 staff
VC funding  34.5 million euro
Website  https://lilium.com/

EIT Climate-KIC is supported by the EIT, a body of the European Union
EIT Digital Accelerator among top accelerators

2nd place
European top 20 accelerators by Gust

8th place
Worldwide top 20 accelerators by Gust
# EIT Community Achievements

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

<table>
<thead>
<tr>
<th>Category</th>
<th>Number</th>
<th>Change</th>
<th>Base Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of graduates</td>
<td>1224</td>
<td>Up from 776</td>
<td>776</td>
</tr>
<tr>
<td>Number of business ideas incubated</td>
<td>2242</td>
<td>Up from 1217</td>
<td>1217</td>
</tr>
<tr>
<td>Number of start-ups created</td>
<td>305</td>
<td>Up from 213</td>
<td>213</td>
</tr>
<tr>
<td>Number of knowledge transfers/adoption</td>
<td>1232</td>
<td>Up from 723</td>
<td>723</td>
</tr>
<tr>
<td>Number of new or improved products, services and processes launched</td>
<td>430</td>
<td>Up from 212</td>
<td>212</td>
</tr>
</tbody>
</table>

Figures – August 2017 as compared to September 2016
## EIT New Core KPIs (as of 2017)

<table>
<thead>
<tr>
<th>Area</th>
<th>Outputs</th>
<th>Results/Impacts</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Education</strong></td>
<td># Graduates from EIT labelled Master and PhD programmes</td>
<td># Start-ups created by graduates from EIT labelled Master &amp; PhD programmes</td>
</tr>
<tr>
<td><strong>Innovation</strong></td>
<td># Products launched on the market</td>
<td># Start-ups created as a result of innovation projects</td>
</tr>
<tr>
<td><strong>Business Acceleration</strong></td>
<td># Start-ups supported by EIT Innovation Communities</td>
<td>Investment attracted by ventures supported/have been supported by EIT Innovation Communities</td>
</tr>
<tr>
<td><strong>Dissemination and Communication</strong></td>
<td># Success stories submitted to and accepted by EIT</td>
<td># External participants in EIT RIS programmes</td>
</tr>
<tr>
<td><strong>Finance</strong></td>
<td>• Budget consumption</td>
<td>Financial Sustainability: revenue of EIT Innovation Community Legal Entity</td>
</tr>
<tr>
<td></td>
<td>• Error rate</td>
<td></td>
</tr>
</tbody>
</table>
EIT Core KPIs 2017-2018

- # Graduates from EIT labelled MSc and PhD programmes: 639 (2017) to 991 (2018)
- # Products (goods or services) or processes launched on the market: 192 (2017) to 311 (2018)
- # Start-ups supported by KICs: 448 (2017) to 759 (2018)
- # Success stories submitted to and accepted by EIT: 190 (2017) to 415 (2018)
Graduates from EIT-labelled programmes

- 2013: 140
- 2014: 381
- 2015: 776
- 2016: 1190
- 2017: 1829
- 2018: 2820
- 2019: 3870
- 2020: 4970

2017-2018: Business Plan targets
2019-2020: Forecast
EIT Outputs: Cumulative KPIs (2/4)

Start-ups created

<table>
<thead>
<tr>
<th>Year</th>
<th>Number of start-ups created</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013</td>
<td>57</td>
</tr>
<tr>
<td>2014</td>
<td>147</td>
</tr>
<tr>
<td>2015</td>
<td>216</td>
</tr>
<tr>
<td>2016</td>
<td>286</td>
</tr>
<tr>
<td>2017</td>
<td>339</td>
</tr>
<tr>
<td>2018</td>
<td>395</td>
</tr>
<tr>
<td>2019</td>
<td>465</td>
</tr>
<tr>
<td>2020</td>
<td>545</td>
</tr>
</tbody>
</table>

2017-2018: Business Plan targets
2019-2020: Forecast
EIT Outputs: Cumulative KPIs (3/4)

Start-ups supported

2017: 448
2018: 1207
2019: 2007
2020: 3007

2017-2018: Business Plan targets
2019-2020: Forecast
EIT Result: Cumulative KPIs (4/4)

Investment attracted by start-ups

2017: 151,465,000
2018: 288,345,000
2019: 438,345,000
2020: 613,345,000

2017-2018: Business Plan targets
2019-2020: Forecast
EIT Regional Innovation Scheme (EIT RIS): EIT RIS cooperation entities
EIT Regional Innovation Scheme (EIT RIS): Today

- All EIT Innovation Communities are implementing targeted activities under the EIT Regional Innovation (EIT RIS) Scheme

- **2016**: EIT grant paid to the 1\textsuperscript{st} wave Innovation Communities: 5.1 MEUR

- **2017**: 10% of competitive funding earmarked for 1\textsuperscript{st} and 2\textsuperscript{nd} wave: 13.2 MEUR

- **2018**: EIT RIS Fund established for all Innovation Communities: 20 MEUR

- Countries covered by the EIT Innovation Communities: Bulgaria, Croatia, Cyprus, Czech Republic, Estonia, Greece, Hungary, Latvia, Lithuania, Malta, Poland, Portugal, Romania, South Italy, Slovakia, Slovenia, Serbia and Turkey

- EIT RIS Guidance Note & Innovation Communities EIT RIS Strategies 2018-2020: focus on strengthening innovation ecosystems
EIT Regional Innovation Scheme (EIT RIS): Intervention Logic 2018-2020

Via the EIT Hubs

Contribute to enhancing regional innovation capacity

Promote Knowledge Triangle Integration

Action Line I
Engage local players in EIT KIC activities

Action Line II
Mobilise, interlink and internationalise national/ regional networks
EIT Regional Innovation Scheme in Eligible Countries – Growth 2014-2017
EIT RIS Cooperation Entities and Grants

- EIT RIS entities (cumulative):
  - 2014: 3
  - 2015: 8
  - 2016: 20
  - 2017: 39

- EIT Grant (million EUR per year):
  - 2014: 0
  - 2015: 0
  - 2016: 20
  - 2017: 39

EIT RIS entities
- 2014: 3
- 2015: 8
- 2016: 20
- 2017: 39

EIT Grant million EUR per year
- 2014: 0
- 2015: 0
- 2016: 20
- 2017: 39
Court of Auditor Special Report on EIT – Update on the Actions Implemented
Special Report – EIT Action Plan

EIT has reduced complexity:

• **Task Force Simplification**: EIT and KICs have simplified grant processes
• **Early signature of Grant Agreements**: time-to-grant significantly reduced (now: < 5 months)
• **Rules tailored to the KIC needs**: special IPR and liability rules, eligibility of capital expenditure, simplified costs for education activities, etc.
• **Single audit approach**: EIT centralises the audit certificates reducing the „auditing and administrative burden”, while increasing the level of assurance
• **Reinforced co-operation with the European Court of Auditors**: Court places reliance on the EIT’s own audits

Focus on results:

• **New KPI system** focussing on results and impact
• **Innovation Communities’ financial sustainability** strategies & reporting in place
• **Performance-based budgeting**: rewarding results, share of competitive funding is 60% and increasing
Special Report – Open Actions

- **Amendment of EIT Regulation:** EIT initiated in February 2017, Commission to submit proposal to legislative authorities in Q1/2018

- **Multi-annual grant agreements:** Not feasible in the current MFF; post-2020 multi-annual EIT budget should be designed accordingly

- **EIT financial autonomy:** Commission fact-finding visit to EIT in January 2017; decision expected in Q4/2017

- **EIT under-staffing:** Additional resources requested by EIT for 2018 (pending approval by the budgetary authorities); EIT Director recruitment to be re-launched and completed by the Commission
EIT’s 2018 Call for two new Innovation Communities

EIT Urban Mobility*
Smart, green and integrated transport

EIT Manufacturing
Added-value manufacturing

* Subject to the outcome of the EIT’s mid-term evaluation by the European Commission.
KIC Call 2018: Indicative timeline submission & evaluation

- Call Publication
- Information Day
- Experts selection
- FAQs — Comm with applicants
- SEP (Submission and Evaluation Programme)
- Call Closure
- Evaluation
- Designation

Q1 February
Q2
Q3 July
Q4 December

2018
Meet the EIT Community
The EIT Community in Member States and Horizon 2020 Associated Countries

Planned EIT Awareness Days Q1/2018

- February 2018: Belgrade, Serbia (tbc)
- March 2018: Chisinau, Republic of Moldova (tbc)

Planned EIT Community Dialogues on KTI Q4 2017

- 22 - 23 Nov: Maribor, Slovenia
- 30 Nov - 1 Dec: Kosice, Slovakia
- Nov/Dec: Athens, Greece (tbc)
EIT Strategic Innovation Agenda 2021-2027
Beyond 2020: Development of the EIT’s Strategic Innovation Agenda

EIT Strategic Innovation Agenda (SIA) is the EIT’s **seven-year strategy** which defines the priority fields and strategic objectives for the EIT, including:

• An assessment of its socio-economic impact and capacity to generate the best innovation added-value;

• An analysis of potential and appropriate synergies and complementarities between EIT activities and other Union initiatives, instruments and programmes;

• An estimate of financial needs and sources and an indicative financial plan.

It takes into account the results of the monitoring and evaluation of the EIT.
Our Future Ambition:  
EIT Vision 2030 and Mission

• The EIT vision is to be a global innovation leader delivering world-class solutions to societal challenges that create jobs and improve the quality of life of citizens.

• The EIT’s mission is to strengthen Europe’s innovation capacity by connecting and empowering people and organisations to create, educate and innovate.
EIT Future Objectives

EU-level goals the EIT will be contributing to:

• Contribute to sustainable European economic growth, jobs and competitiveness,
• Reinforce the innovation capacity of the EU, its Member States and regions,
• Address major societal challenges.

The specific objectives of the EIT will be to:

• Strengthen sustainable innovation ecosystems by connecting people, disciplines, sectors, organisations and resources,
• Enhance and bring solutions to societal challenges to the market by integrating business, education and research,
• Promote skills and competences for a strong inclusive entrepreneurship and innovation culture,
• Share innovative practices and learning and contribute to innovation policy in Europe.
Expected Future Impact

The **expected impact** we will deliver is **on three levels:**

- **Socio economic impact:** Improved quality of life, enhanced job creation and economic growth;

- **Impact within the global societal challenges** (e.g. reduction of CO\(^2\) emissions etc.);

- **Systemic impact on innovation and education systems:** Improved capacity of participating organisations to innovate.
EIT Specific Objective 1: Foster and strengthen sustainable innovation ecosystems by connecting people, disciplines, sectors, organisations and resources

Two distinct pathways:

1. Reinforcing the effectiveness and expanding the number of excellent sustainable innovation ecosystems in our Innovation Communities and hubs

2. Supporting Regions towards Excellence – our Regional Innovation Scheme (EIT RIS)
Reinforcing the effectiveness and expanding the number of excellent sustainable innovation ecosystems

- Ensure that EIT Community’s ecosystems continue to deliver impact beyond EIT funding;
- Ensure continuous delivery of results and progress towards financial sustainability of our five Innovation Communities
- Enhance the flexibility of our innovation model through continuous simplification
- Set up new EIT Innovation Communities to address new challenges faced by citizens and to realise the innovation potential in Europe;
- Strengthen the role of our innovation hubs in driving innovation and ensure that they develop into acknowledged drivers of innovation at regional, Member State and EU levels
- Enhance innovation impact by increasing collaboration across our Innovation Communities and hubs
Key actors in our innovation eco-systems/hubs
Supporting Regions towards Excellence –
EIT Regional Innovation Scheme (EIT RIS)

- **Facilitate the strengthening of innovation ecosystems** based on the KTI approach, creating strong links between business, research and education and engaging national and regional authorities

- **Enhance institutional capacity of innovation actors** by engaging in activities with and transferring good practices, learnings and know-how of our Innovation Communities

- **Link the local innovation ecosystems into the pan-European innovation system** through cooperation with our Innovation Communities and hubs;

- **Coordinate the EIT RIS with national and regional policy makers and managing authorities** and **promote and facilitate synergies and complementarities** with other EU initiatives and programmes
EIT Specific Objective 2: Bringing solutions to global societal challenges to the market by integrating education, business and innovation-driven research

- Creating **break-through solutions** to societal challenges
- Bringing solutions to the market along **intra-preneurial and entrepreneurial pathways**
- **Scaling-up** businesses
EIT Thematic Areas

- **by 2020**: we will cover 8 thematic areas
- **beyond 2021**: 4 new potential thematic areas
  - Security and resilience related threats
  - Inclusion and integration
  - Water and marine ecosystems
  - Cultural and creative industries
  + Out-of-the-box approach
EIT addresses major societal challenges faced by Europe through innovation

**Till 2020**

1. Climate change adaptation and mitigation
2. Digital transformation
3. Sustainable energy
4. Sustainable health and social care systems
5. Scarcity of and dependence on raw materials
6. Healthy and sustainable food production

7. *Transforming today’s industrial form of manufacturing*
8. *Greener and safer urban mobility*
**EIT Specific Objective 3:** Enhancing and promoting skills and competences for a strong inclusive entrepreneurship and innovation culture

- Educate the *next generation of entrepreneurs and change makers*
- Strengthen and further *develop the EIT Label, step up promotion and make the EIT Label available to* partners outside our Innovation Communities
- Enhance an *entrepreneurship and life-long learning* culture
- Widen our *educational offerings beyond higher education* to schools
- Offer new forms of learning experiences by *enhancing the links between business and education* partners
- Reduce skills *mismatch* and boost skills *uptake*
- Strategically guide our *EIT Alumni Community*
- *Take a more active and institutional role,* providing strategic guidance and conceptual support
EIT Specific Objective 4: Sharing innovative practices and learnings and contributing to innovation policy design in Europe

- Systematically identify and **codify our innovative approaches** and concepts
- Make our experience effectively available in a targeted and systematic manner as **good practices, new or improved models** for entrepreneurship, innovation and education
- Provide input to and **advice for policy makers** in our area of expertise – innovation, entrepreneurship and education
- Consider feedback and **translate learnings from innovation actors** as practitioners of our model into our operations
EIT SIA: Process

- **The EIT develops and submits to the European Commission its Draft SIA by end 2017**
- **EIT Stakeholder Consultation**
- **European Commission prepares legal proposal of the SIA/amends EIT regulation and submits it to the European Parliament and Council**
- **Negotiations with Council and European Parliament**
- **Adoption of the EIT Strategic Innovation Agenda and EIT Regulation 2021-2027**