EIT Health

Turning European Challenges into Regional Opportunities

Prof. Dr. Alexander van Gabain, Dr. Katharina Ladewig & Dr. Kurt Höller | Vienna | 11th Dec 2018

katharina.ladewig@eithealth.eu

EIT Health is supported by the EIT,
a body of the European Union

Together for healthy lives in Europe

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Who we are.

EIT Health is a network of **best-in-class health innovators** backed by the EU.

EIT Health Core & Associate Partners

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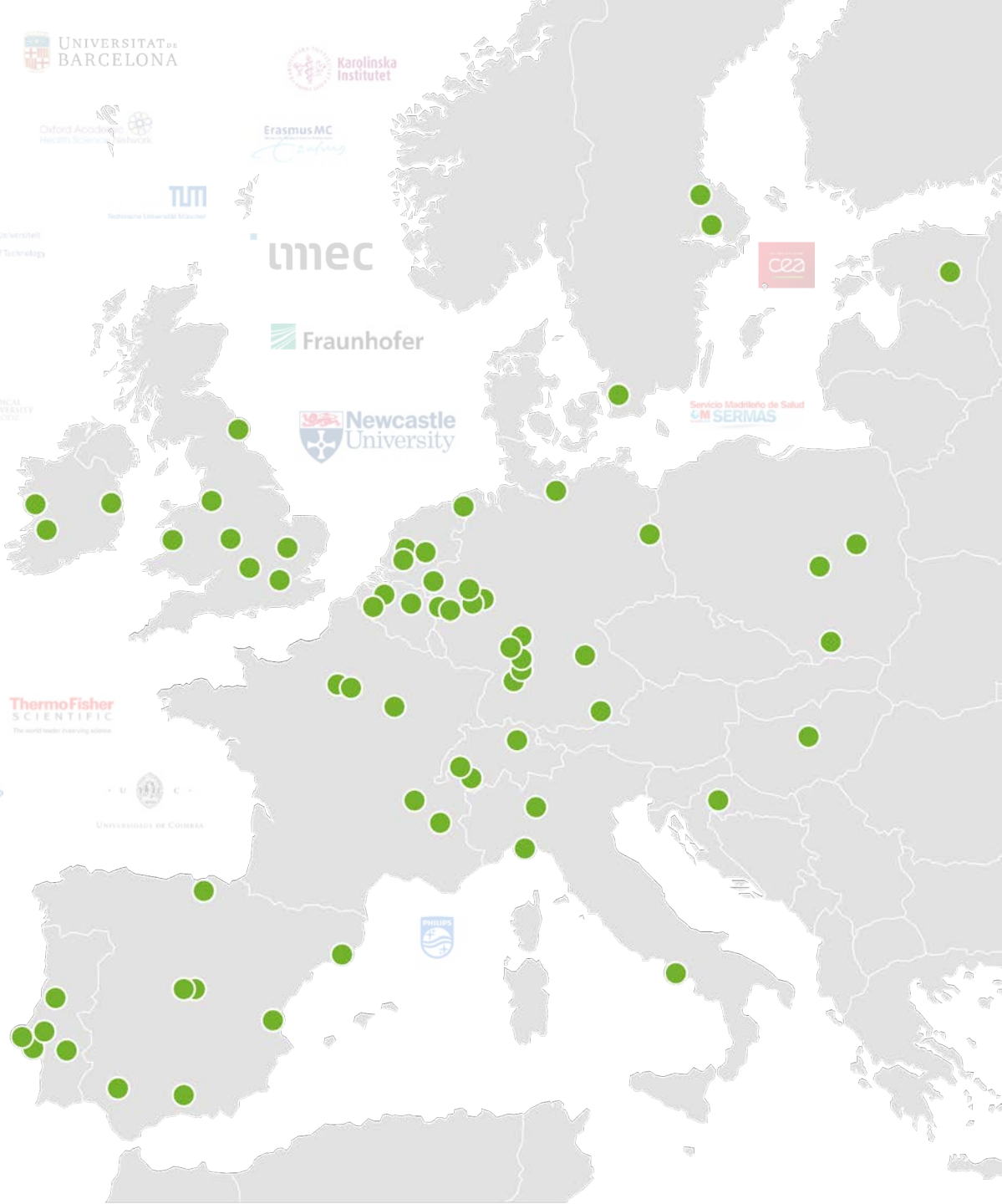
Over **140 world-class partners** contribute with their visions and assets.



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Who we are.

11 Core and 18 Associate partners within the Co-Colocation Centre (CLC) covering Germany & Switzerland

6x industry (Core)

Roche
profil ANSWERS FOR DIABETES
SIEMENS Healthineers
abbvie
ucb Inspired by patients. Driven by science.
SAP

5x academic/research (Core)

FAU FRIEDRICH-ALEXANDER UNIVERSITÄT ERLANGEN-NÜRNBERG
UNIVERSITÄT HEIDELBERG ZUKUNFT SEIT 1386
RWTH AACHEN UNIVERSITY
Technische Universität München
Fraunhofer

8x industry

AMGEN
Beiersdorf
BAYER
Fondation Asile des aveugles Au service de votre santé visuelle
MACS Miltenyi Biotec
Nestlé
janssen
MERCK

6x academic/research

dkfz. DEUTSCHES KREBSFORSCHUNGSZENTRUM IN DER HELMHOLTZ-GEMEINSCHAFT
EPFL ÉCOLE POLYTECHNIQUE FÉDÉRALE DE LAUSANNE
ETH zürich
DZD German Center for Diabetes Research
KIT Karlsruhe Institute of Technology
University of Cologne

3x cluster

Bio M
BIO NRW BIO Clustermanagement NRW GmbH
MEDICAL VALLEY Europäische Metropolregion Nürnberg

1x payer

Gothaer

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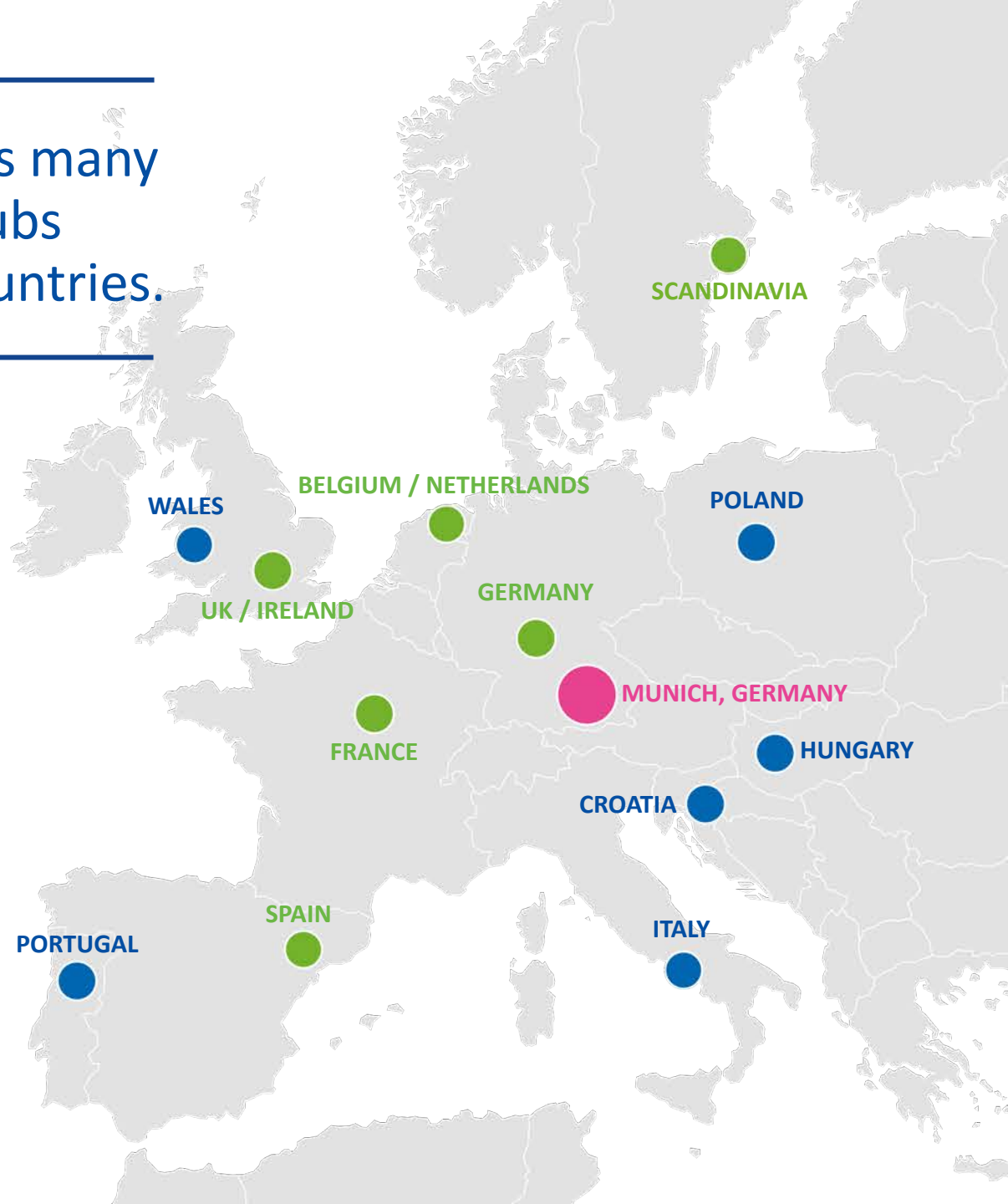
Who we are.

6 Co-Location Centres plus many regional innovation hubs (**InnoStars**) in 6 further countries.



- Co-Location Centres
- InnoStars
- Headquarters

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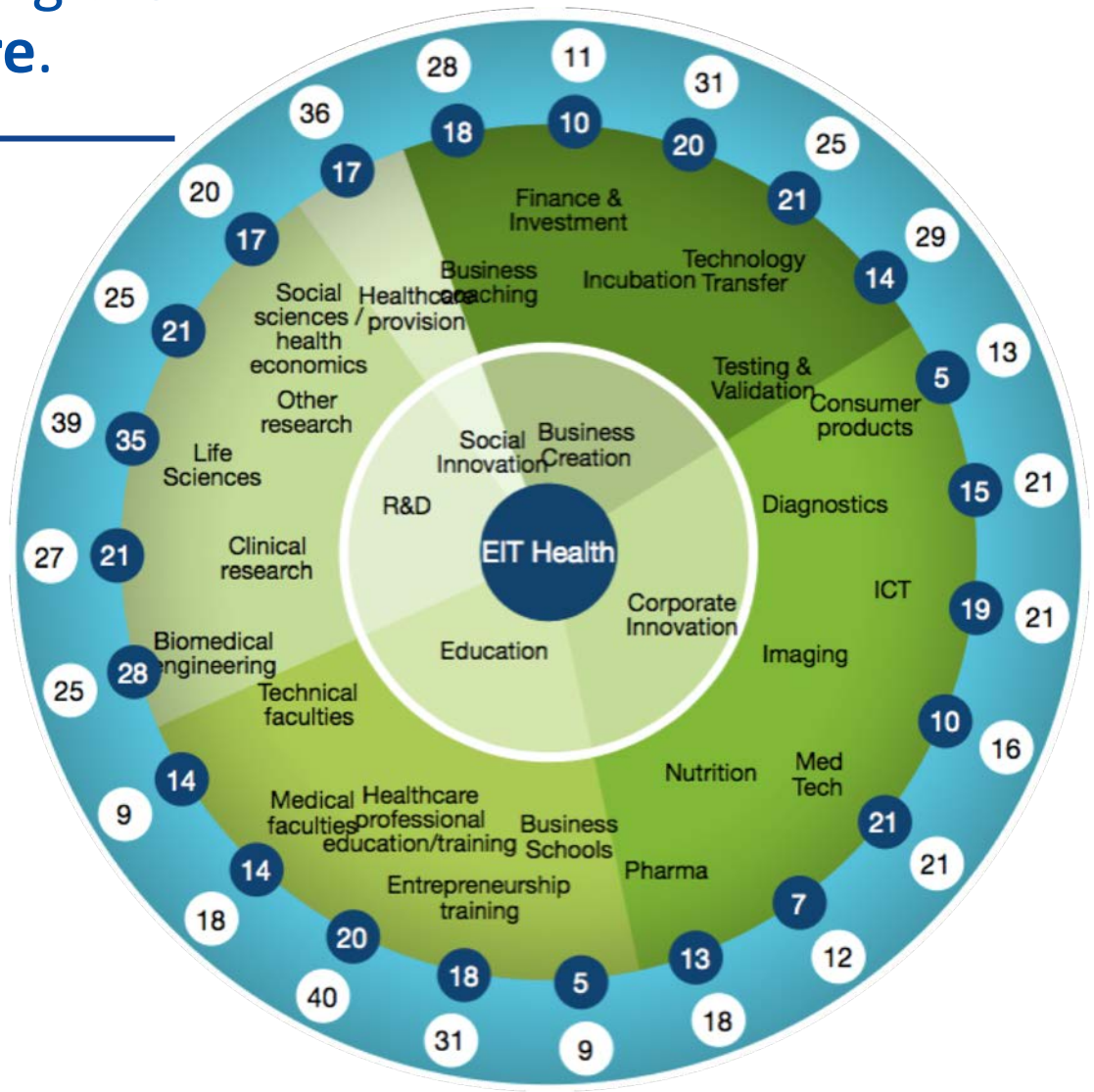
Who we are.

Experienced and highly competent partners covering the **key areas of healthcare**.



Number of Core Partners active in the field

Number of Associate Partners active in the field

Who we are.

We are part of the EIT's family of **Knowledge and Innovation Communities** (KICs).

New in 2019 (announced last week!):

- EIT Manufacturing
- EIT Urban Mobility

Who we are.

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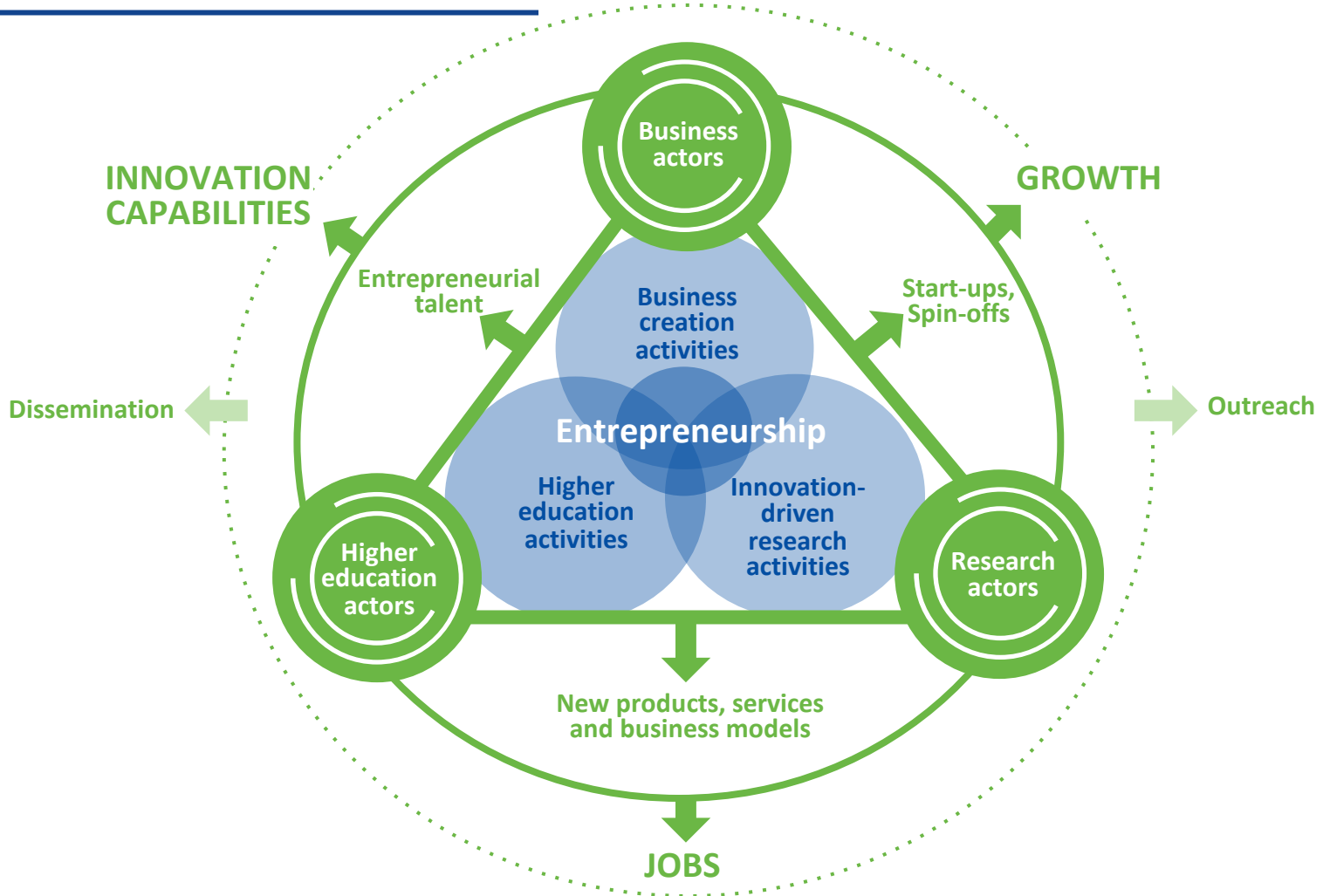
European Institute of Innovation & Technology



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Challenges

- Fragmentation and rigidity of health systems
- Training of future health workforce
- Burden of chronic diseases
- Investment in prevention is stagnating

Opportunities

- Technological and medical innovation
- Digitalisation
- Integration of care
- Patient self-management

What is needed?

- Thought leaders, entrepreneurs, and experts who put ideas into action
- Efficient ways to bring innovative healthcare solutions to market
- Prepare the future health workforce through education and training

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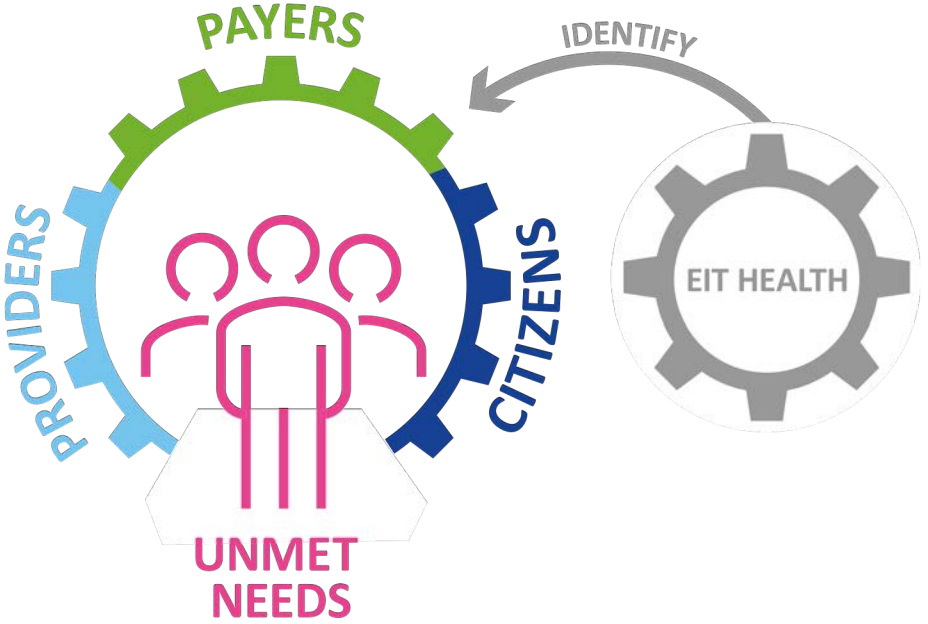
We identify unmet clinical and economic needs within complex healthcare systems.



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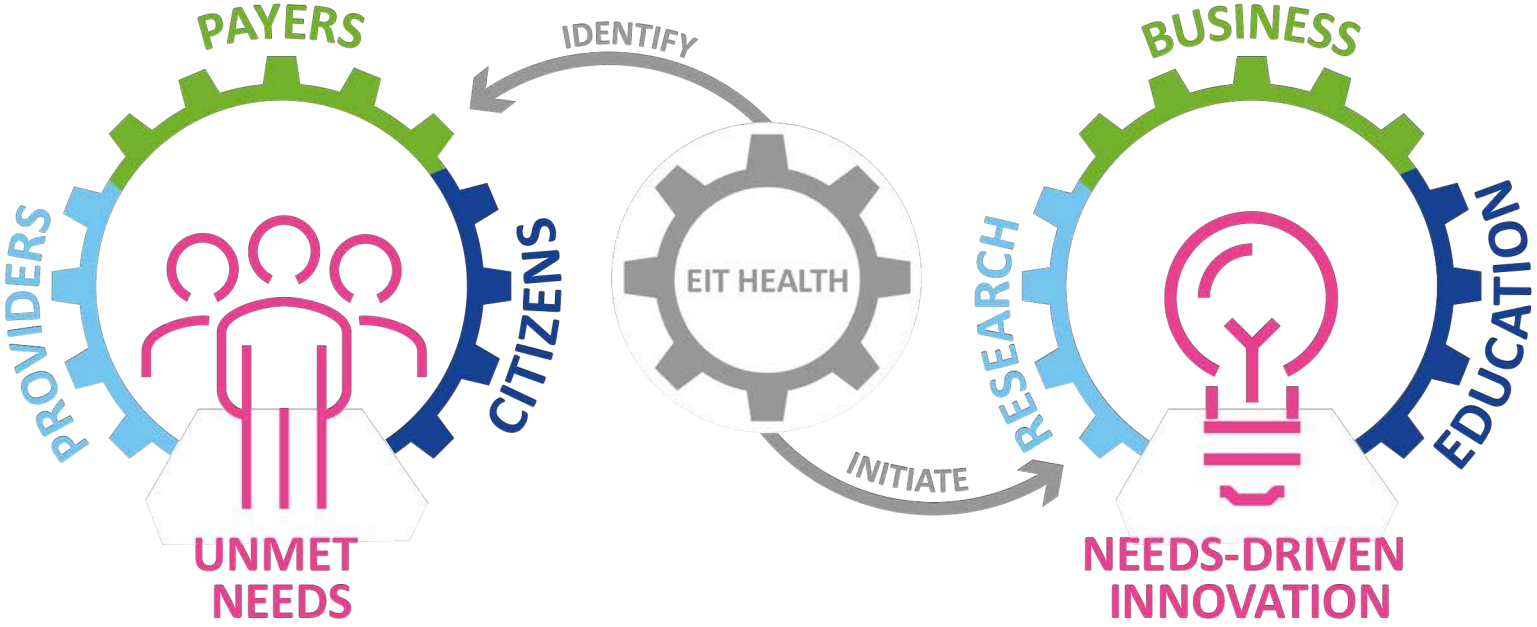
Based on these needs, we **initiate innovation** by bringing together education, business, and research.



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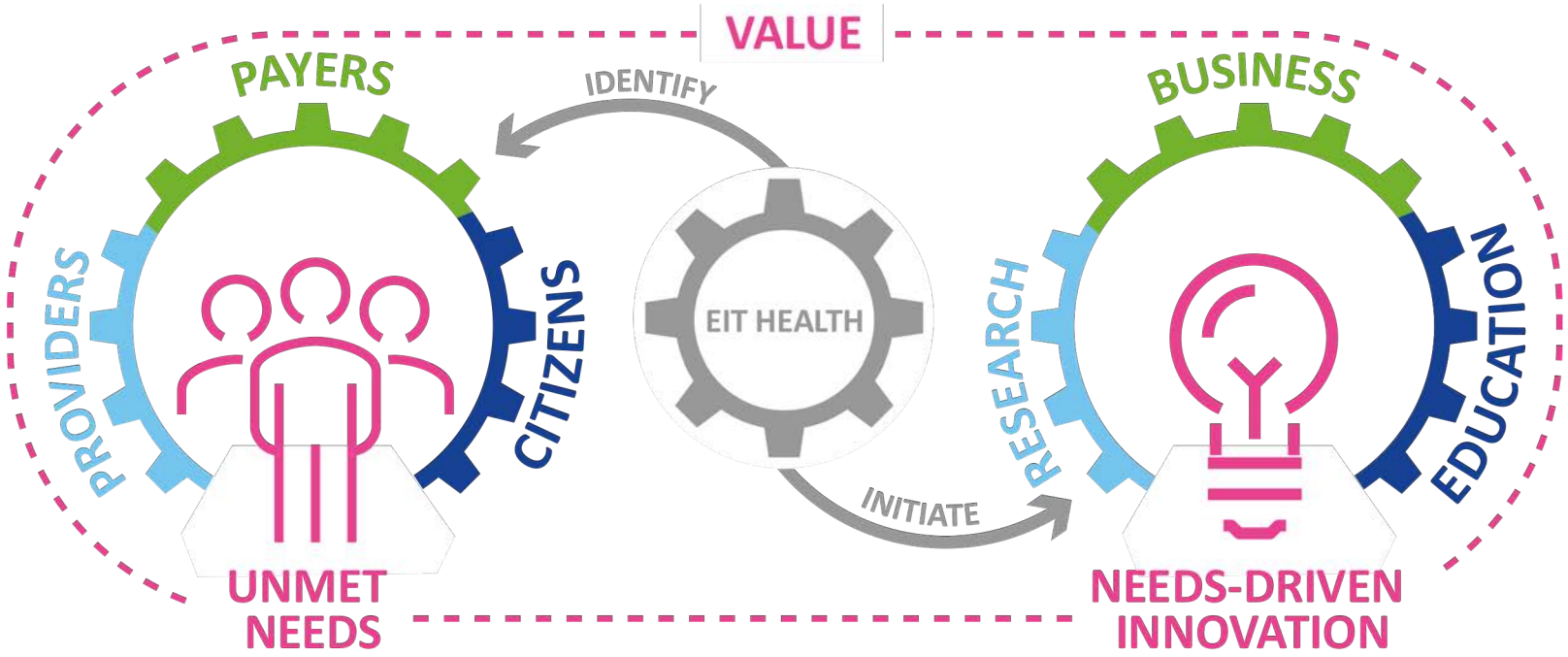
Our value: ensuring that innovation **always addresses the needs of the market and society.**



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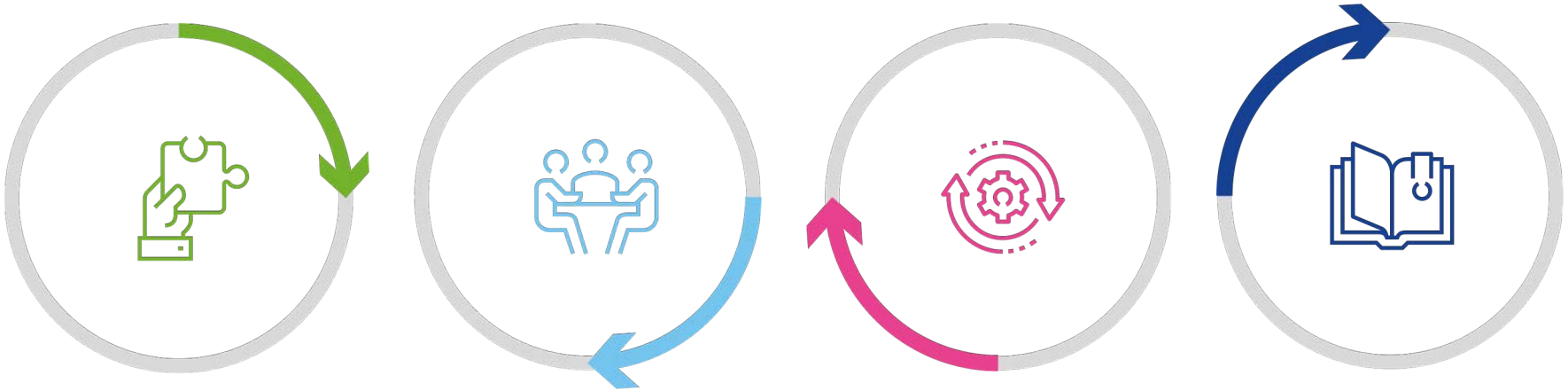
What does this mean in practice?



We facilitate. We collaborate. We create. We educate.

We facilitate.

- Improving the health of European citizens through innovation
- Fostering collaboration in projects and programmes
- Supporting innovators with funding, expertise, and access

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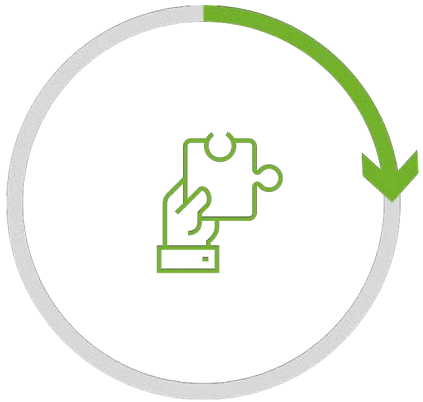
We facilitate.



Example in practice:
Health Movement

- Project to prevent chronic diseases such as type 2 diabetes
- Screening undiagnosed patients and connecting existing health services
- Attracting investors into the health system
- First trial project in Stockholm in 2018

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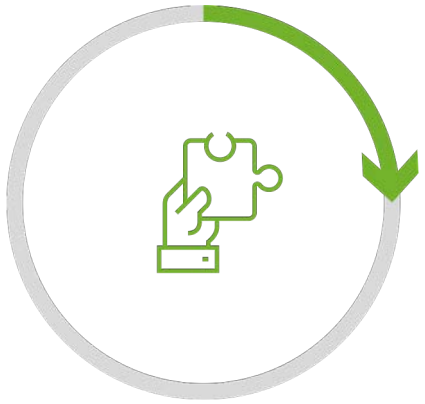
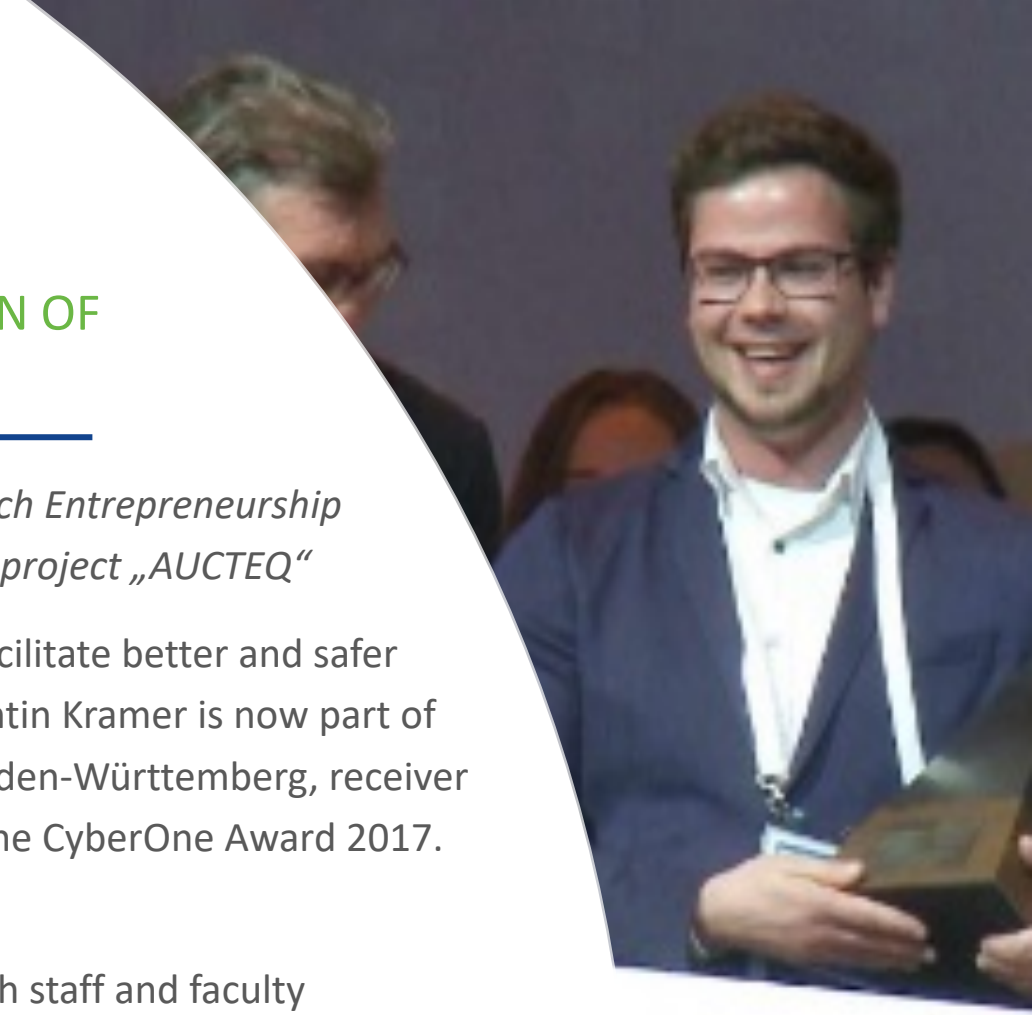
We facilitate.



Example in practice: AUCTEQ – DEVELOPING THE NEXT GENERATION OF SINGLE USE BIOREACTORS



EXIST funding for Valentin Kramer, BETP (Biotech Entrepreneurship Training Programme) graduate for his spin-off project „AUCTEQ“

„AUCTEQ“ develops new bioreactors, which facilitate better and safer development processes in bio pharmacy. Valentin Kramer is now part of the newly founded Life Science Accelerator Baden-Württemberg, receiver of an EXIT funding scholarship and winner of the CyberOne Award 2017. He plans to found his business in 2018.

The BETP programme Is co-taught by EIT Health staff and faculty members from Heidelberg University.

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AUCTEQ Biosystems
The bioreactor (r)evolution

We collaborate.

- Collaborating across European borders
- Bringing stakeholders to the table
- Building strong links between business, research, and education
- Connecting innovators with payers, public authorities, and investors

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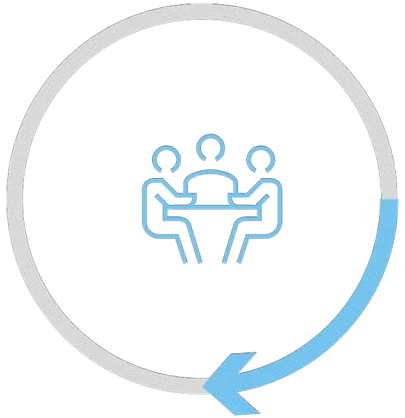
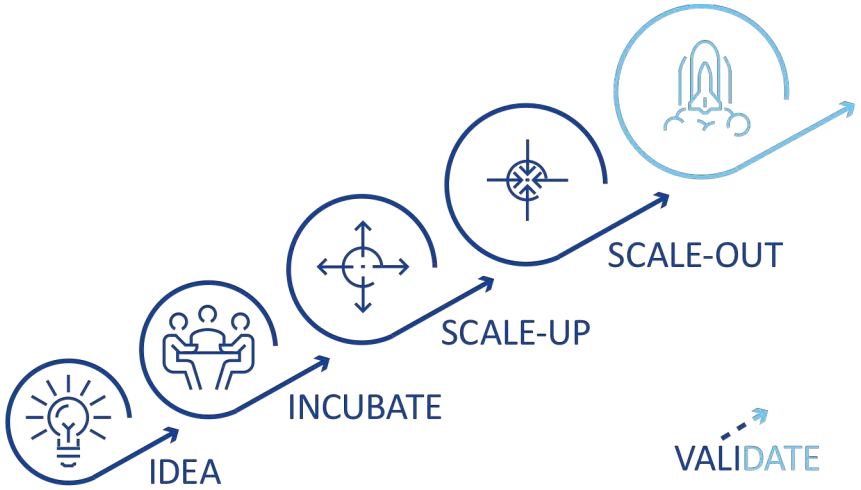
We collaborate.



Example in practice:
EIT Health Accelerator



- Helping businesses grow
- Mobilise investors, experts, and users around top business ideas

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Example in practice:

RAMSES - Remote Access to Medical Information on Smartphones during Emergencies and Health CriseS

We collaborate.

- First product Emergency Eye® enables sharing of more comprehensive information (incl. geo-location and video live streams) with professional health service organisations
- Timely and improved support and guidance
- Saving more lives in emergency and health crises situations

EIT Health partners

Project consortium:

Karlsruhe Institute of Technology

KU LEUVEN

RWTH AACHEN UNIVERSITY

BIO NRW Clustermanagement NRW GmbH

imec

eit Health

Nofer Institute of Occupational Medicine

University of Cologne

Other external partners

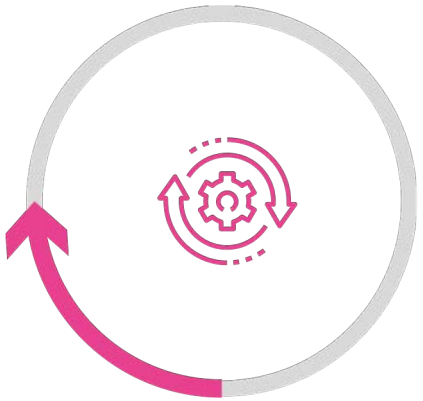
EmergencyEye®

Liki MOBILE SOLUTIONS

ISE

We create.

- Creating outside-the-box solutions
- Delivering meaningful, new products and services
- Helping create new businesses and jobs



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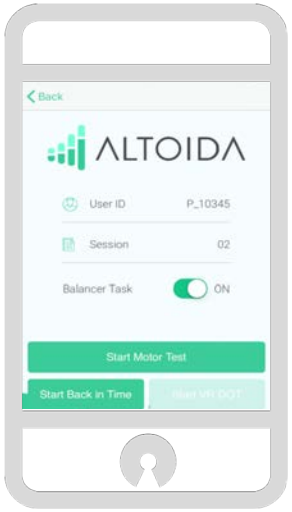
We create.

Example in practice:

Alzheimer's Disease Prediction Service



- Pre-symptomatic computational biomarker to predict Alzheimer's risk for people over 50
- App-based test with an accuracy of 94%
- One of the first validated solutions to enter the EU market

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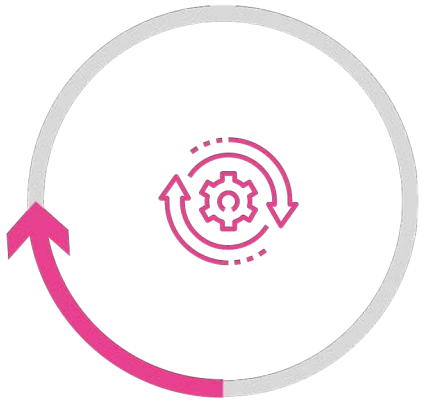
We create.



Example in practice:

iSurgeon

- Augmented reality surgical assistance & raining tool for minimally invasive surgery
- Outcome from EIT Health Germany’s 2016 {LifeScience meets IT}-Hackathon

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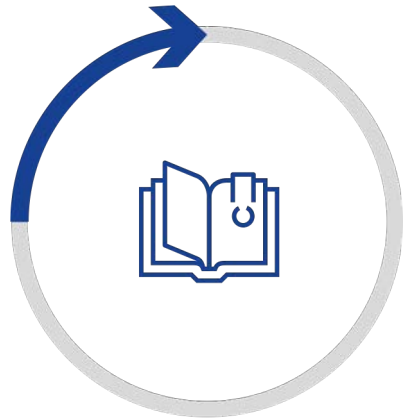
dkfz.

UniversitätsKlinikum Heidelberg

We educate.

- Improving health education
- Promoting healthy lifestyles
- Helping health professionals grow
- Sharing insights and knowledge



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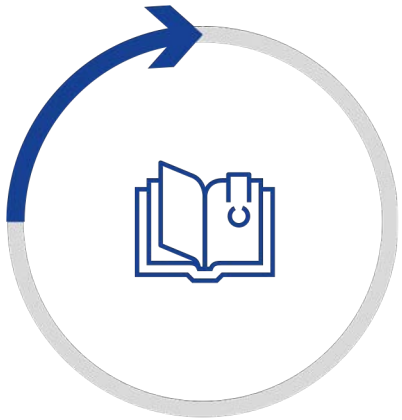
We educate.



Example in practice:

Innovation Fellowships

- Eight- to ten-month programmes, including six to eight weeks of clinical immersion
- For transdisciplinary teams of experts developing entrepreneurial solutions
- Training entrepreneurs on the needs in the healthcare sector

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We educate.

Example in practice:

euVENTION

- 2 week summer school for PhD/MSc students
- Improving prevention and treatment options for patients at risk of developing chronic diseases
- Guiding participants through the whole process of product or service development

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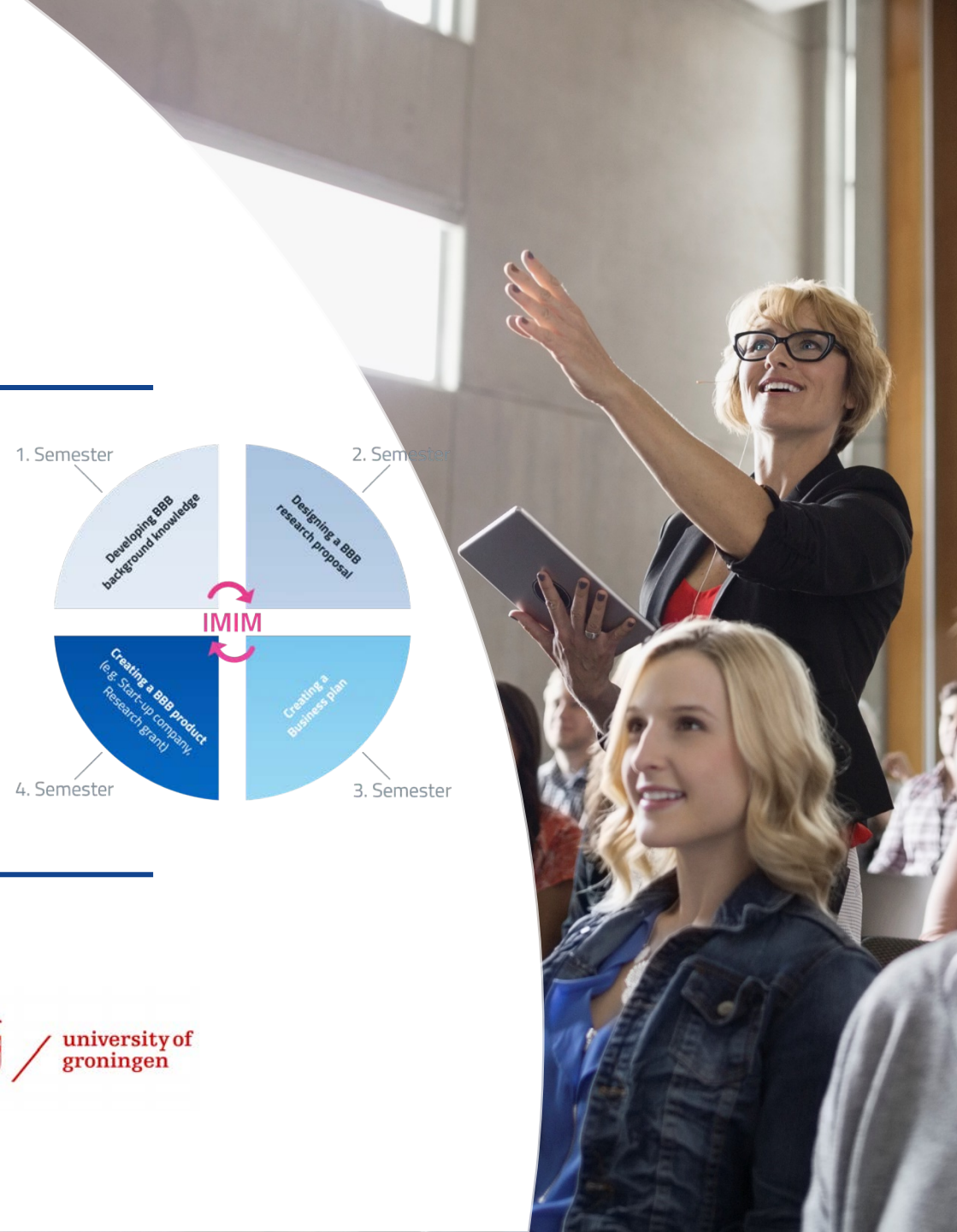
We educate.

Example in practice:

IMIM – International Master in Innovative Medicine

- Erasmus+ 2 year MSc programme, taught in English
- A future generation of translational scientists and professionals
- Skills and competencies to excel in multi- and interdisciplinary environments



UNIVERSITÄT HEIDELBERG ZUKUNFT SEIT 1386

UPPSALA UNIVERSITET

university of groningen

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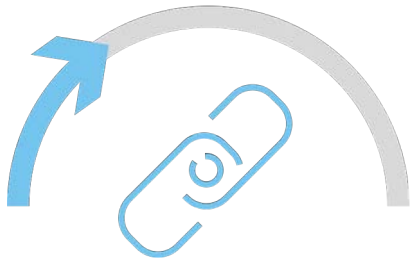
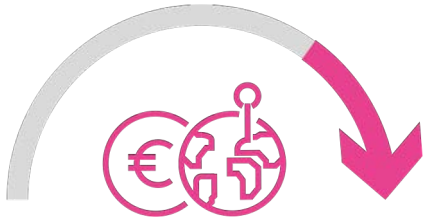
What this means for the public



Strengthening healthcare systems in Europe

Promoting better health of citizens



Contributing to a sustainable health economy in Europe

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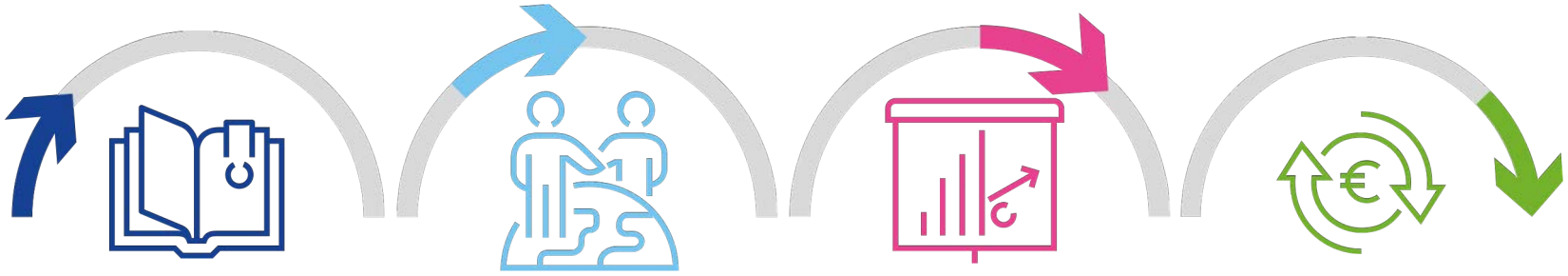
What this means for partners & stakeholders



Access to **knowledge.**

Access to **stakeholders.**

Access to **market.**

Access to **finance.**

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Your local EIT Health Team

Mohammad Chehadé
Campus Manager

Matteo Consonni
Business Creation Manager

Nandor Gaus
Project Manager

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Dr. Katharina Ladewig
Managing Director

Sigrid Koller
Executive Assistant to the Managing Director

Dr. Michael Lüttgen
Key Account Manager // Liaison Manager Baden-Württemberg

Eva-Maria Markutzik
Innovation Manager

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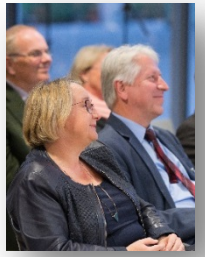
Focus on Baden-Württemberg

EIT Health Germany is supported by the Ministry for Science, Research and the Arts of the federal state of Baden-Württemberg



Minister Theresia Bauer

Bernd Finger, Head of Unit EU Affairs at the Ministry & Jürgen Odszuck, First Mayor of Heidelberg & Christine Neumann

In addition to bringing innovation and innovative education to regional stakeholders we enhance the collaboration with other relevant European, national and regional political representatives, and stakeholders

Pauline Schumacher, University of Cologne, Madi Sharma, EESC, Christine Neumann, EIT Health Germany

German governmental represenatives at the Digital Summit in Ludwigshafen in June 2017

Manuel Irun Molina, EIT, Uli Harnacke & Christine Neumann, EIT Health Germany, Horst Krämer, DG Connect, European Commission at EIT Health Germany's Annual Symposium 2017

Albrecht Schütte, Minister (MdL) with winners at the Life Science meets IT Hackathon 2017

Everything we do aims to **improve the health of European citizens.**
We believe that innovation is the key to this goal.

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MATCHMAKING EVENT

5-7 February 2018 | Fraunhofer Forum Berlin

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BUSINESS PLAN 2020 (BP2020)

All calls at a glance

Click on the picture to download the call document.

INNOVATION

Innovation Projects

CAMPUS

Strategic Initiatives

Training for **Students**

Training for **Entrepreneurs and Innovators**

Training for **Health Professionals and Executives**

Training for **Citizens**

ACCELERATOR

Bootcamps

Continuation Activities

Focus Areas
(BP2020 call)

Download the interactive Focus Area document here.

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Focus Area 1:	**Towards Health Continuum Care Pathways**
Focus Area 2:	**Creating the Enabling Environment for Healthcare Transformation**
Focus Area 3:	**Harnessing the Power of Real-World Data**
Focus Area 4:	**Bringing Care Home**
Focus Area 5:	**Empower Leadership in Improving Health Outcomes in the Workplace**
Focus Area 6:	**Fostering Healthy Lives by Introducing Behavioural Change**

Important Dates
(BP2020 call)

4-5 December 2018	**EIT Health Summit** (Pre-matchmaking Sessions) **Lodz, Poland**
7-18 January 2019	**1:1 Information Sessions** (at all German & Swiss Partner Locations)
5-7 February 2019	**EIT Health Matchmaking** **Berlin, Germany**
15 February 2019	**Pre-Proposal Submission** (Innovation Projects only)
11-26 March 2019	**1:1 Proposal Writing Support Sessions** (open to all German & Swiss Partners) **Mannheim, Germany**
27 March 2019	**BP2020 Call Deadline**
17 May 2019	**Hearing Training** (open to all German & Swiss Partners) **Mannheim, Germany**

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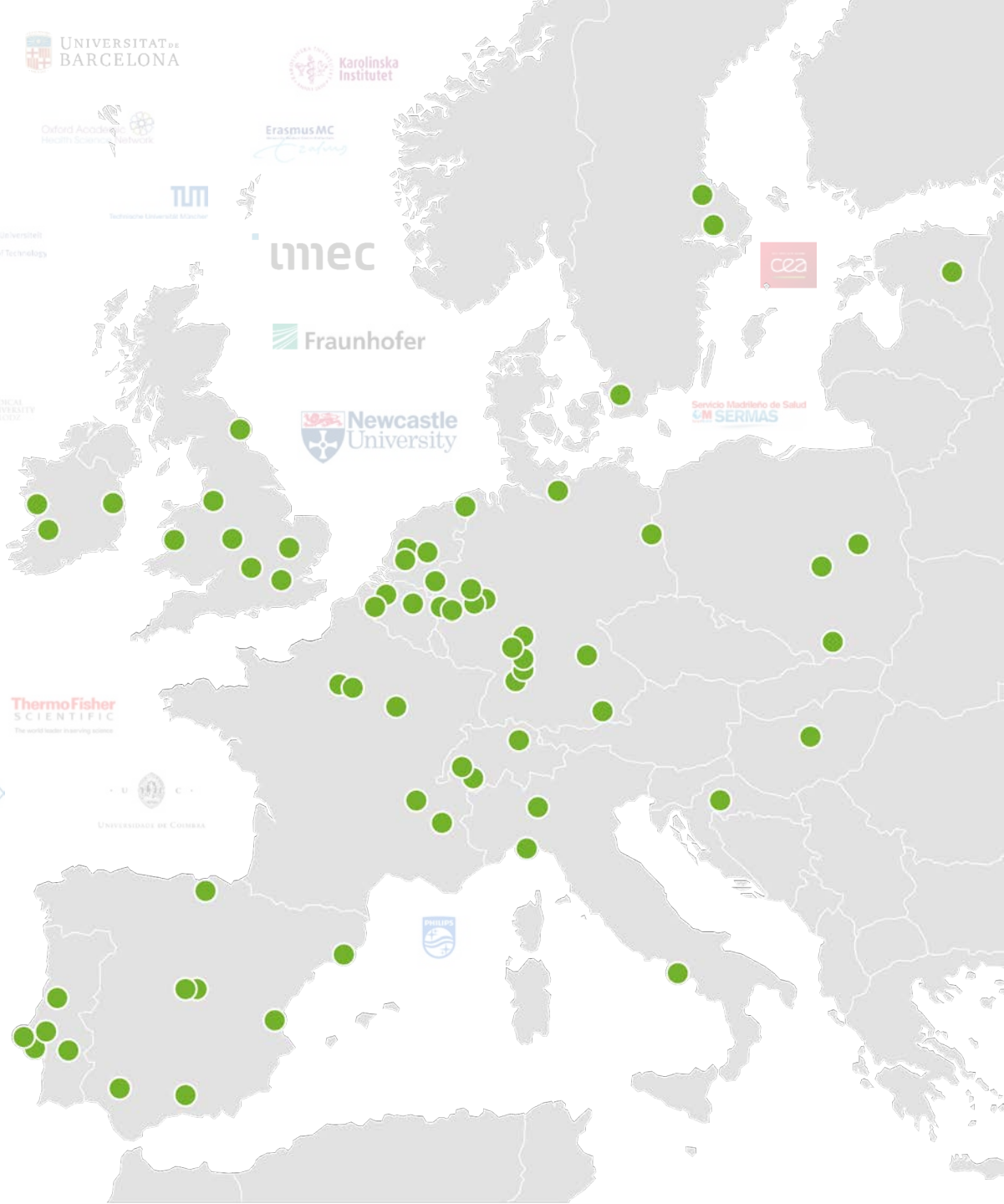
Over **140 world-class partners** available to build your consortium and support your idea.



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