



University of Zagreb



What is EIT?

Anita Pivac
Business Development Office
Centre for Research, Development and Technology Transfer (CRDTT)





What is the EIT?

The European Institute of Innovation and Technology (EIT) is an EU body created by the European Union in 2008 to strengthen Europe's ability to innovate. The EIT is an integral part of Horizon Europe, the EU's Framework Programme for Research and Innovation.



What does the EIT do?

They support the development of dynamic, long-term European partnerships among leading companies, research labs and higher education. These partnerships are called EIT Knowledge and Innovation Communities and each is dedicated to finding solutions to a specific global challenge, from climate change and sustainable energy to healthy living and food.

Bringing together more than 2900 partners, the EIT is Europe's largest innovation ecosystem and connects innovators and organisations.



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European Union



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EIT Health – Together for Healthy Lives in Europe

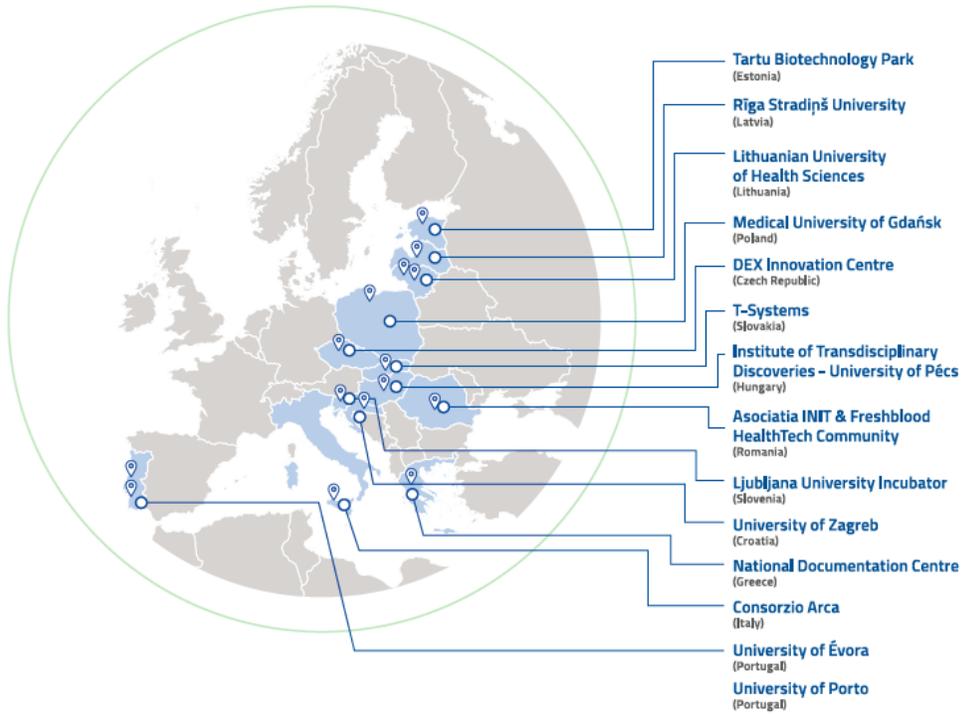
Meet the EIT Health Community

Strong European Network

- Around **150** partners contribute with their visions and assets
- Key areas of healthcare, such as pharma, medtech, research institutions, healthcare providers, and universities



EIT Health RIS Hubs - Network Partners

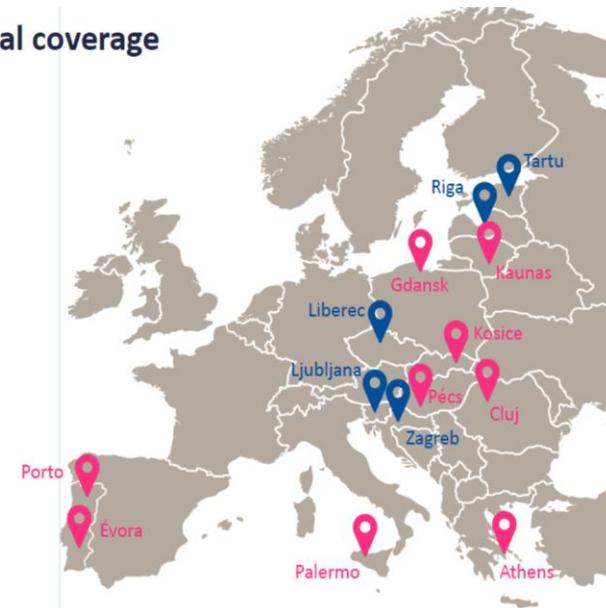


Regional Innovation Scheme

Widening geographical coverage

Old Hubs (9)

New Hubs (5)

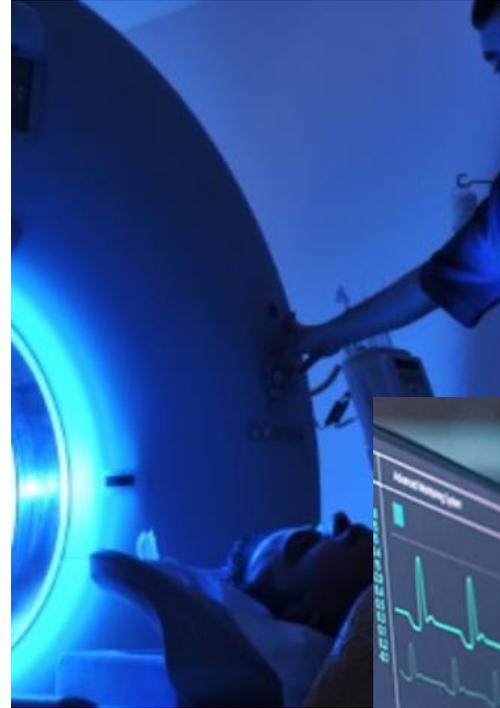


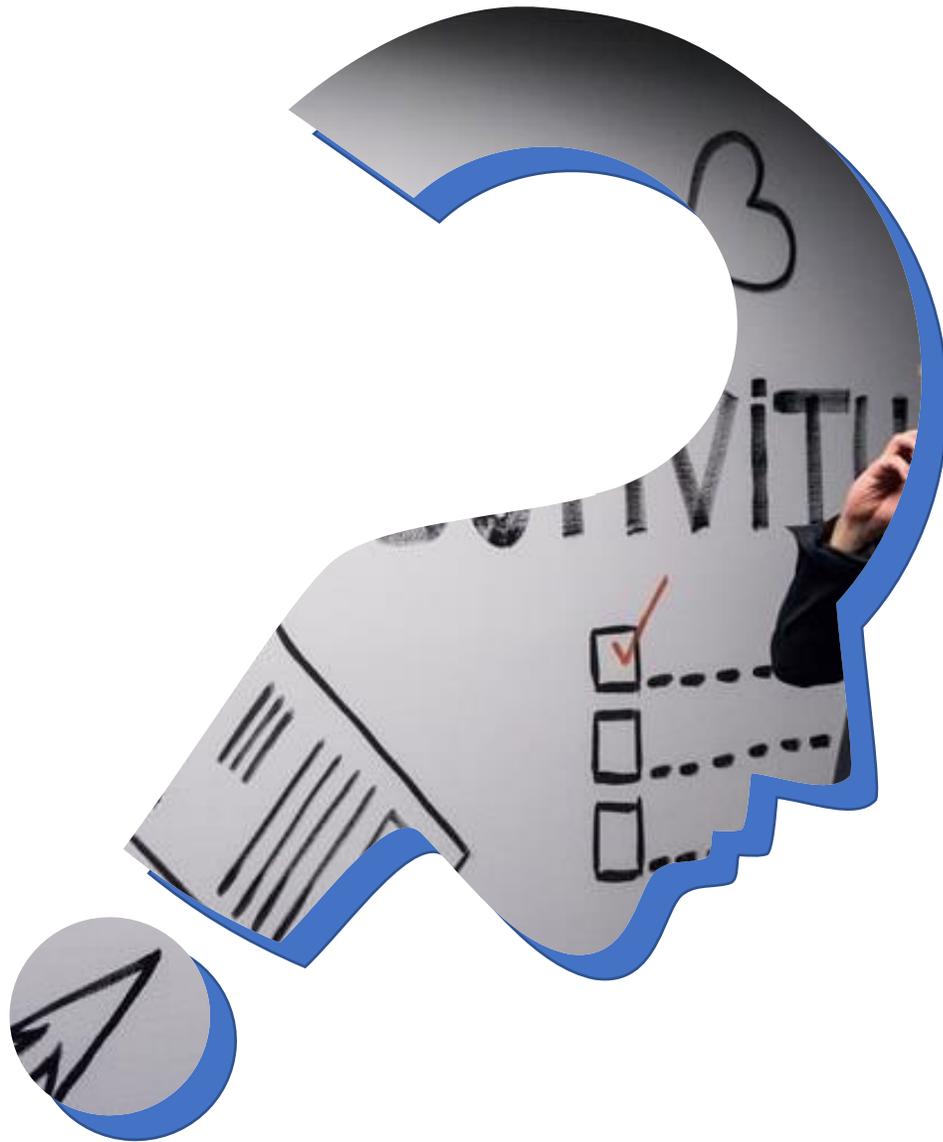
- involvement of RIS stakeholders in EIT Health programmes & development of local innovation ecosystems
- University of Zagreb, RIS Hub in Croatia since November 2018



EIT Health Focus Areas

- Reforming Care Pathways
- Healthcare Transformation
- Harnessing Real-world Data
- Bringing Care Home
- Health in the Workplace
- Fostering Healthier Lives





How does EIT Health support Entrepreneurs?



Access to
knowledge.



Access to
stakeholders.



Access to
market.



Access to
finance.

EIT Health RIS STARTUP JOURNEY

PHASE

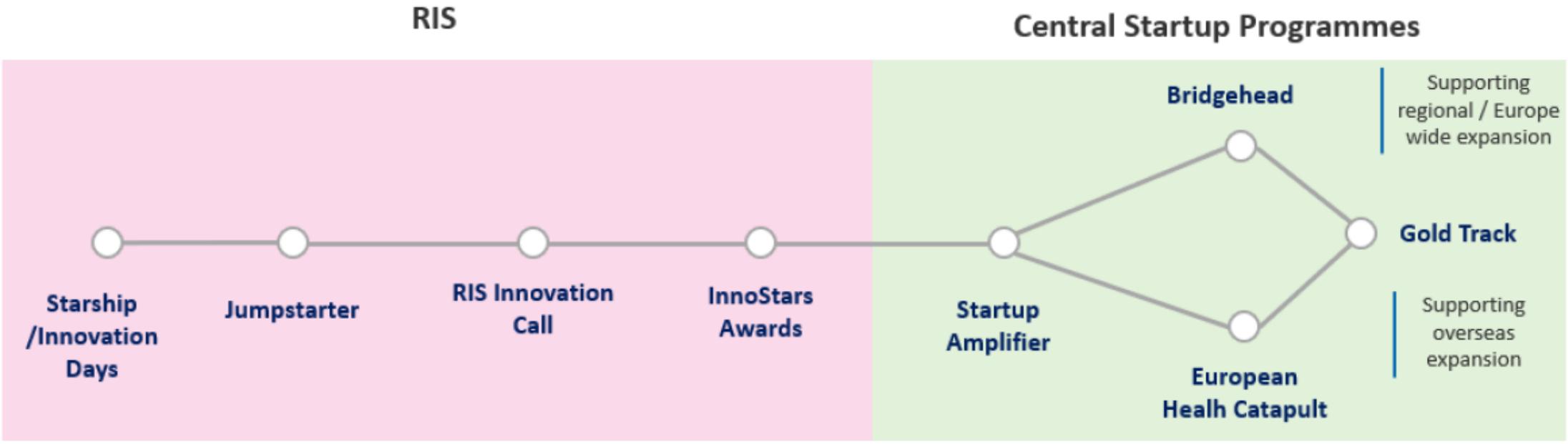
Pre-acceleration

Incubation

Validation

Scaling

CORE STARTUP PROGRAMMES



MAIN GOALS / PROFILE

Creating teams from talents

Creating startups from teams

Supporting POC and team-up of businesses

Supporting business planning and market entry

Supporting startups in growth and international expansion

Boosting awareness and the realization of investment

EIT Health RIS Innovation Call

- PoC phase
- SME - academia/research/healthcare collaboration
- Up to 75.000 EUR/project
- Contracting and implementation on annual basis

Local projects

2019

- ✓ KneeEMG - monitoring system for knee rehabilitation
- ✓ COM2LLD - leg length discrepancy support system

2020

- ✓ 3D virtual navigation system for surgeons that supports hand/finger motions as input, with no hand contact

2021

- ✓ Stuey - electronic device that helps people who stutter make a phone call



The graphic features a blue and teal background with a circular inset showing a person using binoculars. Logos for EIT Health and the European Union are present, along with the text 'Funded by the European Union'. A circular badge in the top right corner reads 'EIT HEALTH RIS INNOVATION CALL'.

APPLICATION DEADLINE:
18.12.2021 > 17:00 CET

EIT HEALTH INNOSTARS SEEKS BUSINESS AND ACADEMIC / RESEARCH / HEALTHCARE INSTITUTIONS PARTNERS, WHO NEED FUNDING OF THE PROOF OF CONCEPT PHASE OF THEIR EARLY-STAGE HEALTHCARE PROJECTS.

Inspirational Talks

LIVING LABS INDUSTRY-HOSPITAL CO-CREATION & TESTING

GENERALLY, IN EIT HEALTH RIS REGIONS, HOSPITALS FOCUS ALL THEIR EFFORTS ON THEIR PRIMARY ROLE OF HEALING. THEY COULD IMPROVE THEIR INNOVATION CAPACITY THROUGH BY INVESTING IN CULTURE, SUPPORTING INSTRUMENTS AND FUNDING. DURING THIS INSPIRATIONAL TALK, THROUGH THE EXPERIENCES AND GOOD PRACTICES OF THE SPEAKERS, YOU WILL LEARN ABOUT:

26 OCTOBER
2021
10:00 – 11:30 CET

- WHAT ROLES A HOSPITAL CAN TAKE IN THE INNOVATION PROCESS, AND WHY IT IS WORTHWHILE TO INVEST CAPACITY OR EVEN BUDGET IN INNOVATION LEADERS;
- WHAT KINDS OF COLLABORATION HOSPITALS CAN DEVELOP WITH INDUSTRY, PARTICULARLY START-UPS, AND HOW TO MAKE THIS OPERATIONAL.

SPEAKERS:



PEKKA KAHRI

Pekka Kahri is technology officer at HUS Helsinki University Hospital, the biggest public healthcare provider and academic medical centre in Finland and one of the leading hospitals in digitalisation in Europe. Formerly, he worked as Director of Information Services at THL – National Institute for Health and Welfare, with extensive experience in national health registries and data resources, Finland's national eHealth infrastructure and Kanta Services.



Prof. MAARTEN VAN DER ELST

Prof. Maarten van der Elst is a trauma surgeon in a large trauma centre in Delft, the Netherlands. He has been involved in many innovative, mostly clinical research projects, and advises the National Research Council on technical innovations in healthcare, such as robotics, Artificial Intelligence in medicine and related topics. He has developed the EIT Health Living Lab, the Research OR in the Reinier de Graaf Hospital in Delft, where innovative concepts and devices are tested under strict scientific conditions in a real clinical setting. He teaches at Delft University of Technology as a professor in Clinical Patient Safety and has taught generations of biomedical engineers and clinical technicians on safety, efficiency and innovative medical devices. His current research topics include workflow, air quality disturbance in the operating room, the safe use of robots, and hybrid ORs.



MORNING HEALTH TALKS

POINTING THE RIGHT DIRECTION
IN THE "NEW NORMAL"

SUCCESSFUL PARTNERSHIPS
IN HEALTHCARE INNOVATION

29.09.2021. – ZAGREB

10.30 – 12.30

 Sveučilište u Zagrebu
University of Zagreb

 EIT Health

 Funded by the European Union

EIT Health Winter School Innovation Leaders in BioMed & Health

University of Zagreb Faculty of Pharmacy and Biochemistry
& University of Zagreb (Centre for Research Development and Technology Transfer)

- over **250** participants since 2018.
- physical and online editions
- ✓ BioMed & Health Leadership
- ✓ Securing Research and Innovation Funding
- ✓ New Venture Creation
- ✓ Partnering for Innovation
- ✓ Startup Entrepreneurship for Researchers
- ✓ Communicating your Work to Partners and Funders

<https://winterschool.pharma.hr/>

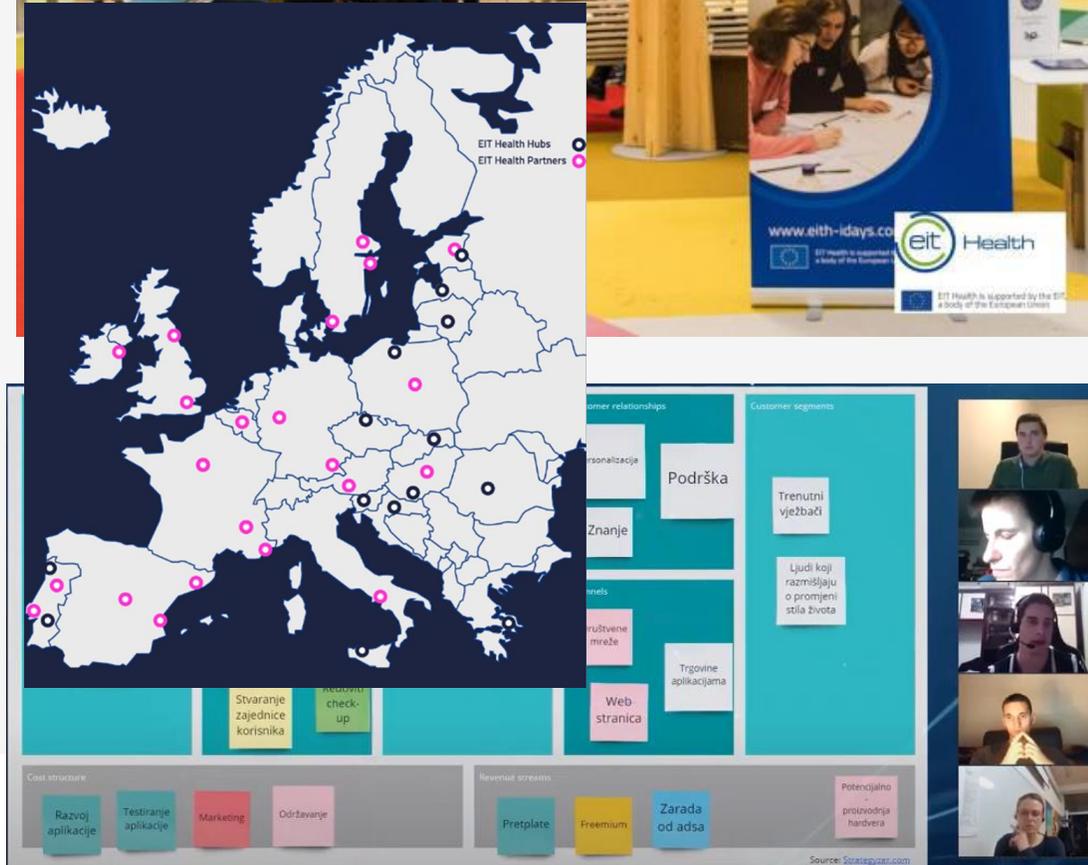


Winter School Innovation Leaders
in BioMed & Health



EIT Health i-days

- Chance to win prizes and opportunities
 - Winners' Event
 - Additional awards for 3 top ranking teams
 - Local demo day & chance to connect with investors/partners
 - Business coaching
- Training in practical tools and methodology in innovation
- Access to patients, citizens and users to test solutions
- Networking opportunities, meet experts, start-up founders and EIT Health partners
- Hear inspirational stories about innovative journeys to start-up creation
- Join the EIT Health Alumni for more opportunities
- Great CV addition and soft skills training



Innovation Challenge – Power of Data in Pharmaceutical Industry

➤ **29 November – 3 December 2021**

- ✓ Guided creation event
- ✓ Learn about data science trends in pharma
- ✓ Connect with peers from multiple disciplines,
- ✓ Explore the playing field in this technology and market area
- ✓ Identify and pitch solutions to industry and gain their feedback
- ✓ Inform your path towards new market ready products or services

<https://innovation.pharma.hr/>



**EIT Health Inovacijski
izazov – Snaga podataka
u farmaceutskoj
industriji**

29. studenoga – 3. prosinca 2021.

Want to know more?
Do not hesitate to contact us.

EITHealthHub@unizg.hr

eithealth.eu

Look up EIT Health and EIT Health Innostars on Facebook &
LinkedIn



EIT Manufacturing and RIS Hub in Croatia



eitmanufacturing.eu



Co-funded by the
European Union



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European Union



Introduction

The manufacturing industry is a global base for prosperity and key to Europe's economic, social and environmental sustainability.

The sector is a main driver of industrial innovation, job creation and growth for European society.

Global manufacturing innovation led by Europe

2.1M+

enterprises

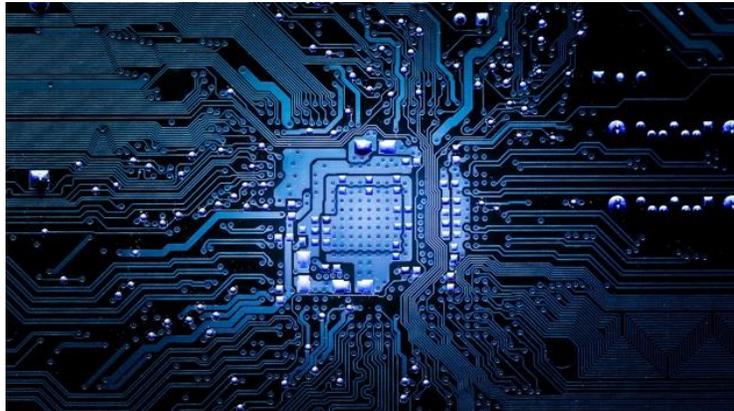
€7.11Tr

in turnover

32M

jobs

Shared challenges across Europe and the world



Digital
transformation



Sustainability



Competition



Our vision

Global manufacturing innovation is led by Europe.



Our mission

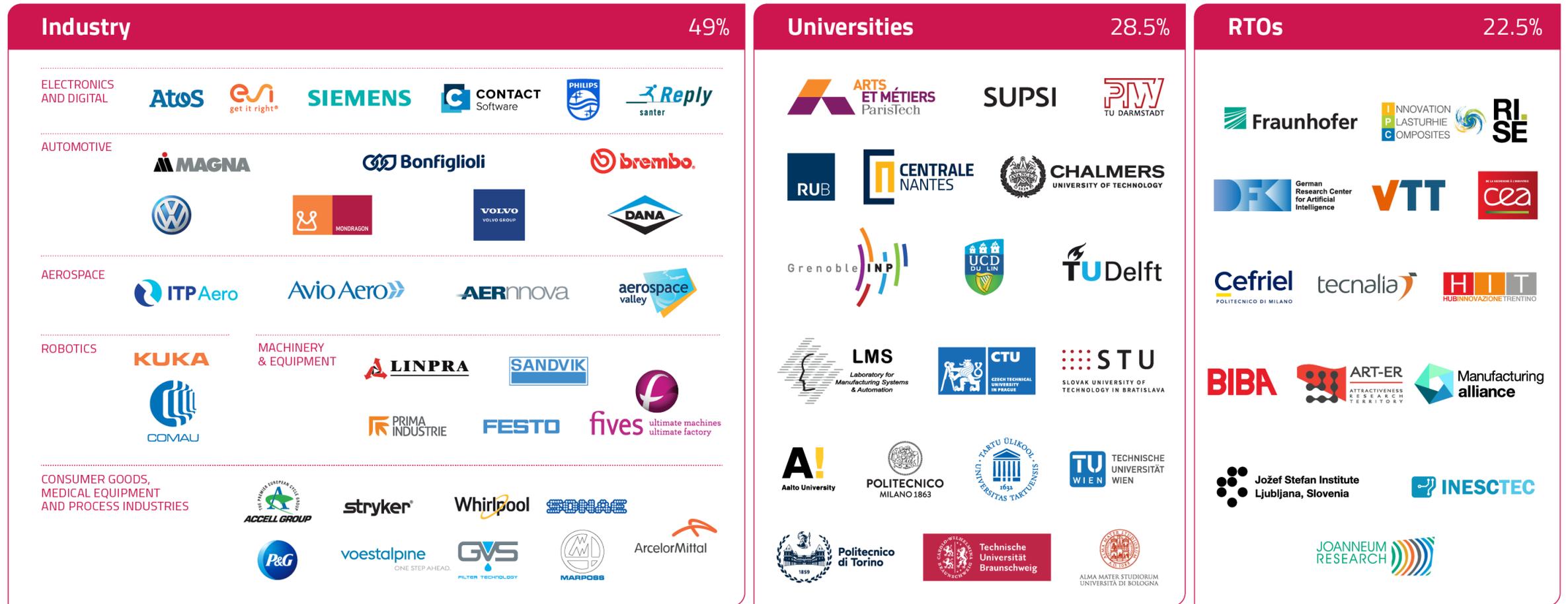
Bring together manufacturing actors across Europe to integrate innovation and education for an entrepreneurial and sustainable Europe.

Unique approach: Innovation based on industry needs

- Public-private partnership
- A holistic, tested method
- Focus on solutions to high-value manufacturing challenges
- 65+ full members, 50+ activity partners: leading companies, universities and research organisations
- €400M budget until 2026



Powerful partnership: 67 partners from 17 countries



As of April 2021

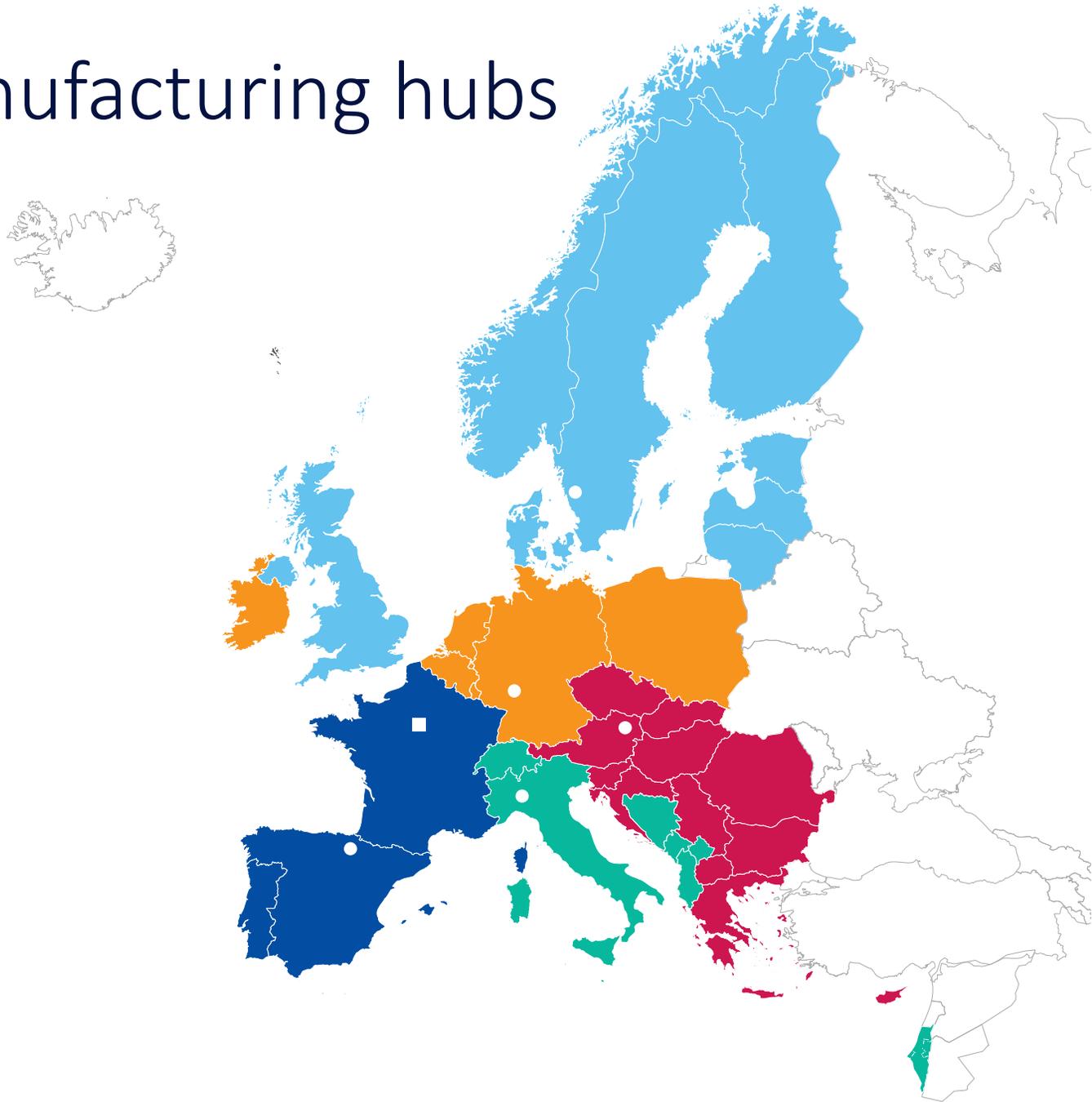
Locations: Linking key manufacturing hubs

Legal Entity **France**

Headquarters **Paris**

5 Co-location Centers (CLCs)

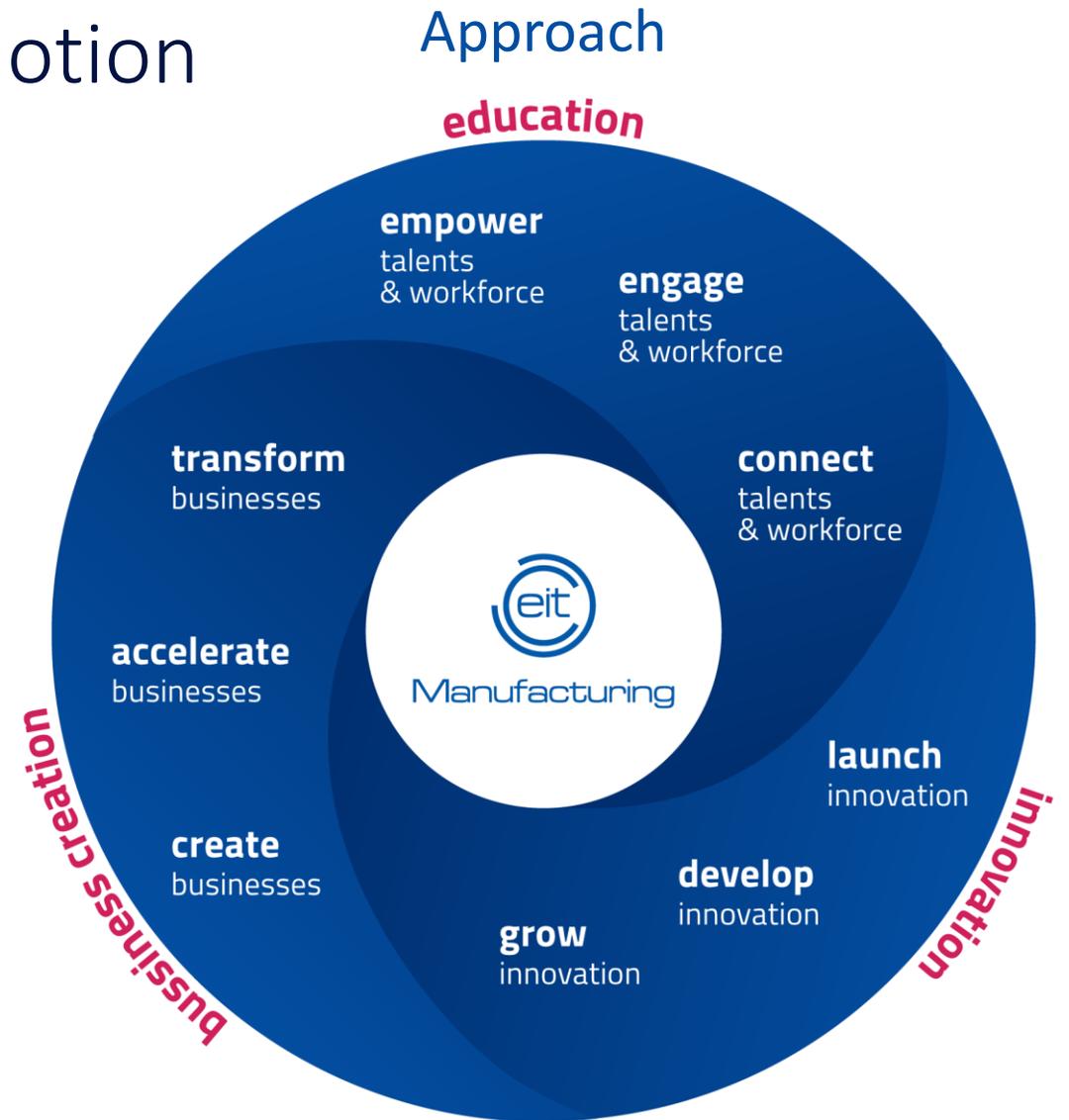
- **San Sebastian** Spain
- **Gothenburg** Sweden
- **Darmstadt** Germany
- **Milan** Italy
- **Vienna** Austria



In practice: Putting the wheels in motion

Strategic objectives

1. Competitive manufacturing skills and social sustainability
2. Powerful manufacturing innovation ecosystems
3. Globally competitive and resilient manufacturing
4. Environmentally sustainable manufacturing
5. Manufacturing fit for the digital age



Four focus areas: The Flagships



Flexible production systems
for competitive manufacturing



Low environmental footprint
systems & circular economy
for green manufacturing



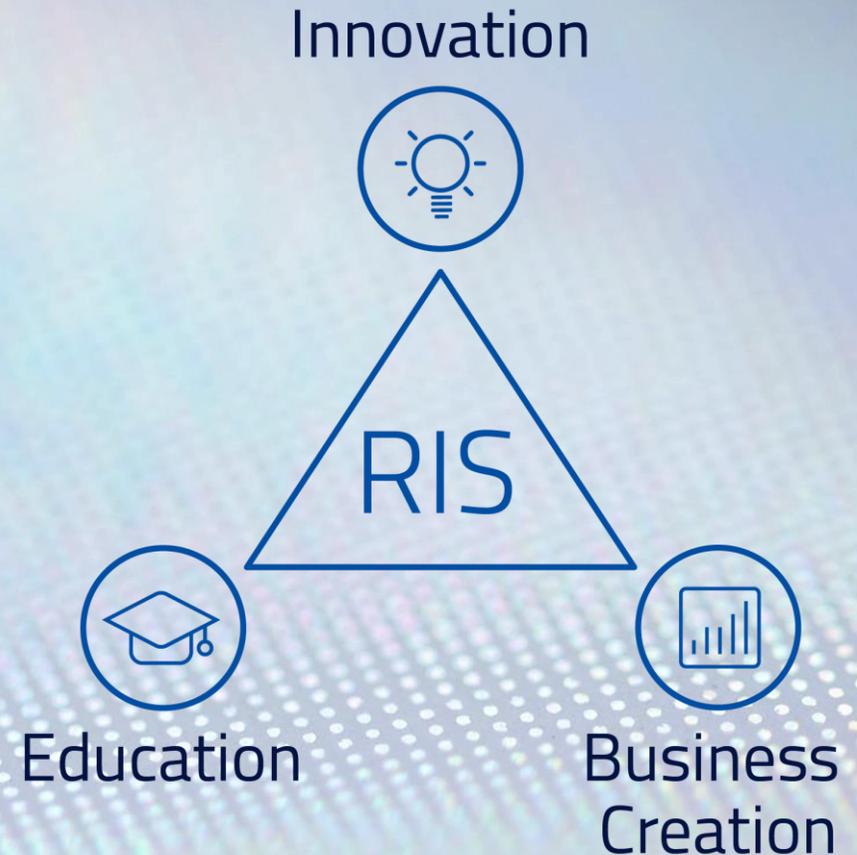
Digital & collaborative solutions
for innovative manufacturing
ecosystems

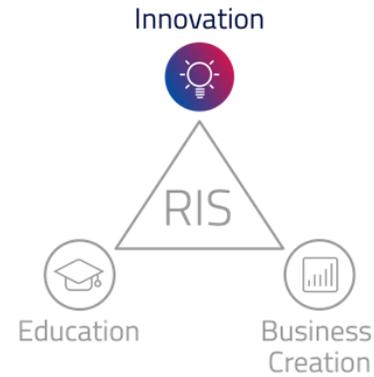


Human-machine co-working
for socially sustainable
manufacturing

The strength of EIT Manufacturing

To ensure that innovations reach the market, industry has the right talent and entrepreneurs can thrive, EIT Manufacturing connects and integrates the areas of education, innovation and business creation and the Regional Innovation Scheme (RIS).





Innovation: Creating value and impact

Supporting European manufacturing community of companies & tech organisations to industrialise innovative projects.

Innovation: Creating value and impact

- **Ensure adoption** of innovations for manufacturers as end-users.
- **Increase market traction** and robustness of solutions-to-scale.
- **Ensure market reach** and exploitation.
- **Explore and test go-to-market strategy** to hit the right targets.

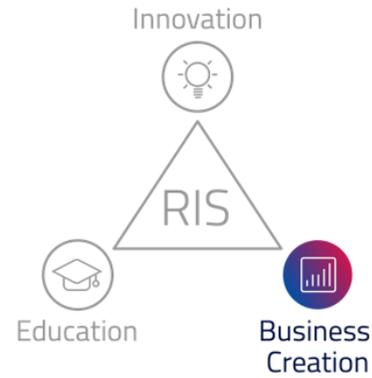


Innovation: What can we do for you?

Decreasing risks in projects to provide higher business growth potential

Give innovative edge through access to technologies and business implementation

Foster engagement with the right partner



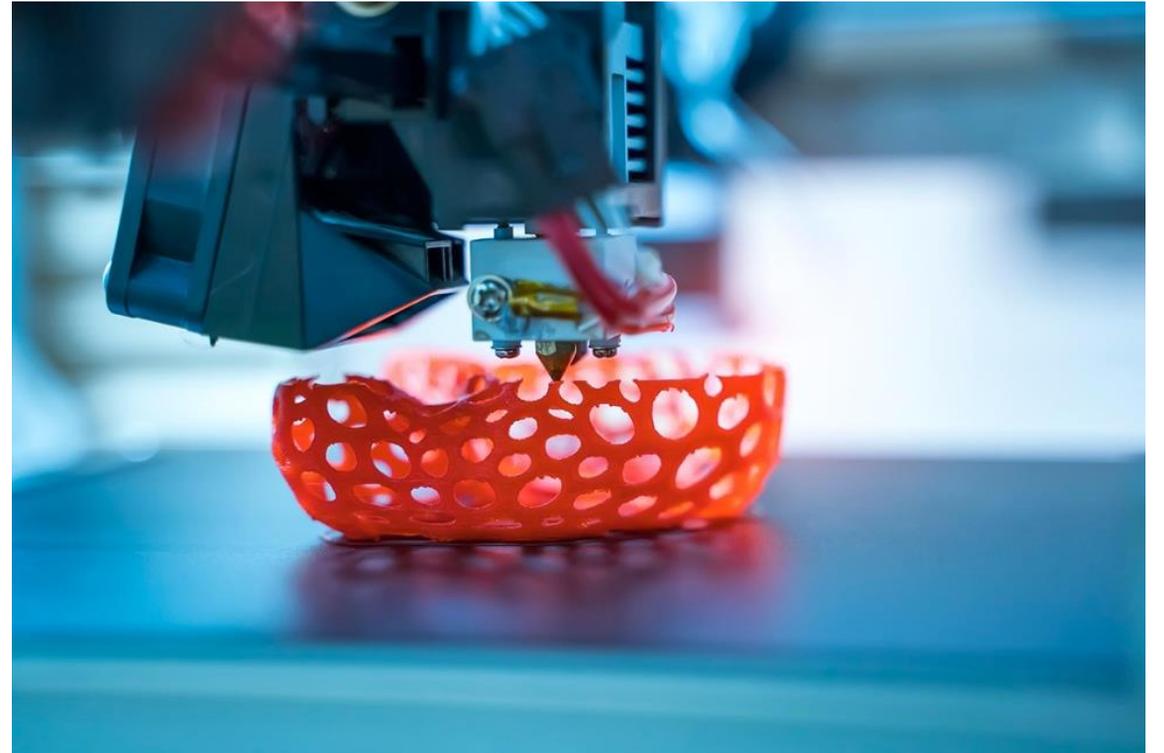
Business Creation

Our vision is to empower high-growth, profitable and socially impactful companies. We have engaged with 200+ startups, scaleups and SMEs and actively support 45+ companies.

Business Creation

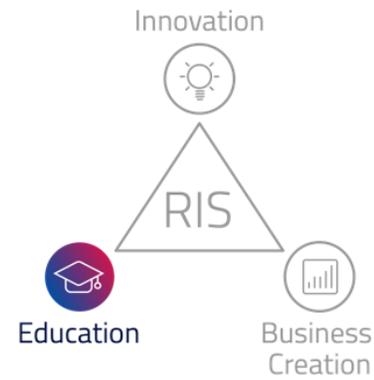
Services that we offer to companies

- Business development support
- Support for transformation
- Access to finance
- Specialised expertise around technology transfer, IP management, communication & marketing



Programme opportunities for entrepreneurs

Create	Early-stage startups	Setup a business & gain traction
Accelerate	Startups and scaleups	Grow businesses across Europe
Transform	SMEs	Implement new technologies or business models
Gazelle Accelerator	Startups, scaleups, SMEs	Address key technical challenges identified by European industrial players
VACMT	Automotive Tier 1 & 2 SMEs	Transformation to supply composite materials



Education: Connecting people with competences

Empowering Europe with people that are capable and inspired to shape the future of manufacturing.

Education: Connecting people with competences



Goals by 2027

- 30,000 individuals educated, upskilled and reskilled
- 10,000 women empowered towards a career in manufacturing
- 2,000 EIT-labelled Master and PhD graduates

Achievements

- Pan-European networks of 21 teaching & learning factories
- Manufacturing digital learning
- 500+ digital learning units
- 4 EIT-labelled Master and 1 PhD programme

Education: Developing skills for future



Empower programme

- EIT-labelled Masters programmes
- EIT-labelled PhD programme
- Flexible personalised empowering programmes



Transform programme

- Transform organisations through education & training
- Upskilling and re-skilling programmes for corporates



Engage programme

- Attract young talent through networking, workshops and events
- Engage Women, Engage Pupils
- Cross-industry, societal engagement

Enhanced by **Skills.Move**: Digital learning platform with nuggets, learning paths & journeys integrated with virtual and augmented reality (VR and AR) — Teaching and Learning Factories — innovation & entrepreneurship modules.

RIS: Bridging strong connections

Objectives

- **Widen** participation in the EIT Innovation Communities' activities by engaging players from countries that have lower participation.
- **Share** good practice, experience and know-how emerging from EIT Communities' activities with local innovation ecosystems.
- **Offer** tailor-made services to address identified innovation gaps.



RIS: 2021 Programmes at EIT Manufacturing

- EIT Manufacturing RIS hubs network
- Teaching & Learning Factories
- Engagement of pupils
- RIS Evolution of Research Results
- Digital transformation in manufacturing at RIS
- Women Innovators in Manufacturing at RIS
- Cross-KIC RIS activities (EIT Jumpstarter, Western Balkans Circular Economy)

13 RIS HUBS:
Pan-European
innovation
ecosystem
comprised of RIS
innovators and
global market
leaders



EIT Manufacturing RIS Hub in Croatia

Since June 2020...

- facilitates the **deployment of EIT Manufacturing activities**, especially the RIS scheme, and mobilizes, interlinks and internationalizes networks.
- serves the role of an **‘interaction point’ between the EIT Manufacturing KIC and local actors**, liaising with and providing expertise to the relevant national, regional and local authorities and ensuring the active involvement of local knowledge triangle actors.



University of
Zagreb



University of Zagreb
Faculty of Mechanical Engineering
and Naval Architecture

EIT Manufacturing RIS Hub in Croatia Activities



- Support to stakeholders (industry, SMEs, academia) in access to the EIT M network and programmes
- Organisation of workshops and seminars that bring the community together
- Engaging with local and national policy makers in support of manufacturing industry goals
- Innovation programmes for our community - EIT Manufacturing Innovation Challenge
- **More to come in 2022!**

Global manufacturing led by Europe

Thank you!

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eitmanufacturing



eitmanufacturing.eu

EIT Manufacturing Hub Croatia website

eitmanufacturing.unizg.hr