Interreg Europe

Co-funded by the European Union

Building thriving innovation ecosystems through university-industry collaboration

Skopje, North Macedonia

19 November 2024

Capacity-building event

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Nicolas Singer
Head of Unit - Projects & Platform
Interreg Europe

Elena Ferrario
Senior Thematic Manager
Policy Learning Platform

Welcome!

Marc Pattinson
Thematic Expert – Smarter Europe
Policy Learning Platform

Arnault Morisson
Thematic Expert – Smarter Europe
Policy Learning Platform

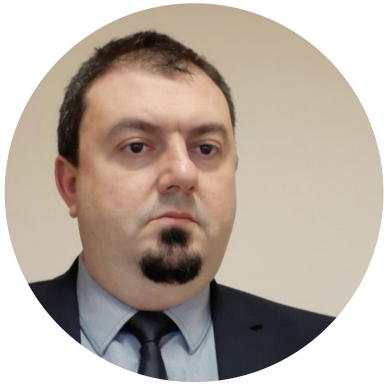
Vladimir Sestovic
Communication and Partnerships Expert
Policy Learning Platform

Jasmina Majstoroska,

Ministry of Economy,
North Macedonia

The agenda – 11:15-12:30

The good ingredients – part I: governance and funding for university industry collaboration



Ivan Popov
Executive Director, Executive Agency "programme education", Ministry of Education and Science, Bulgaria.

Balázs Barta
Founder, managing director – am-LAB, Hungary – SKALE2CT project

The agenda – 14:00-15:15

The good ingredients – part II: placed-based policies, innovation vouchers and competitions for university-industry collaboration

Zdeněk Hušek
Ústí Region, Czech Republic – RATIO project

Nicola Doppio
Open Innovation Officer at HIT - Hub Innovazione Trentino, Trento, Italy

The agenda – 15:45-17:00

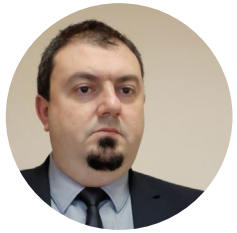
Policy Design

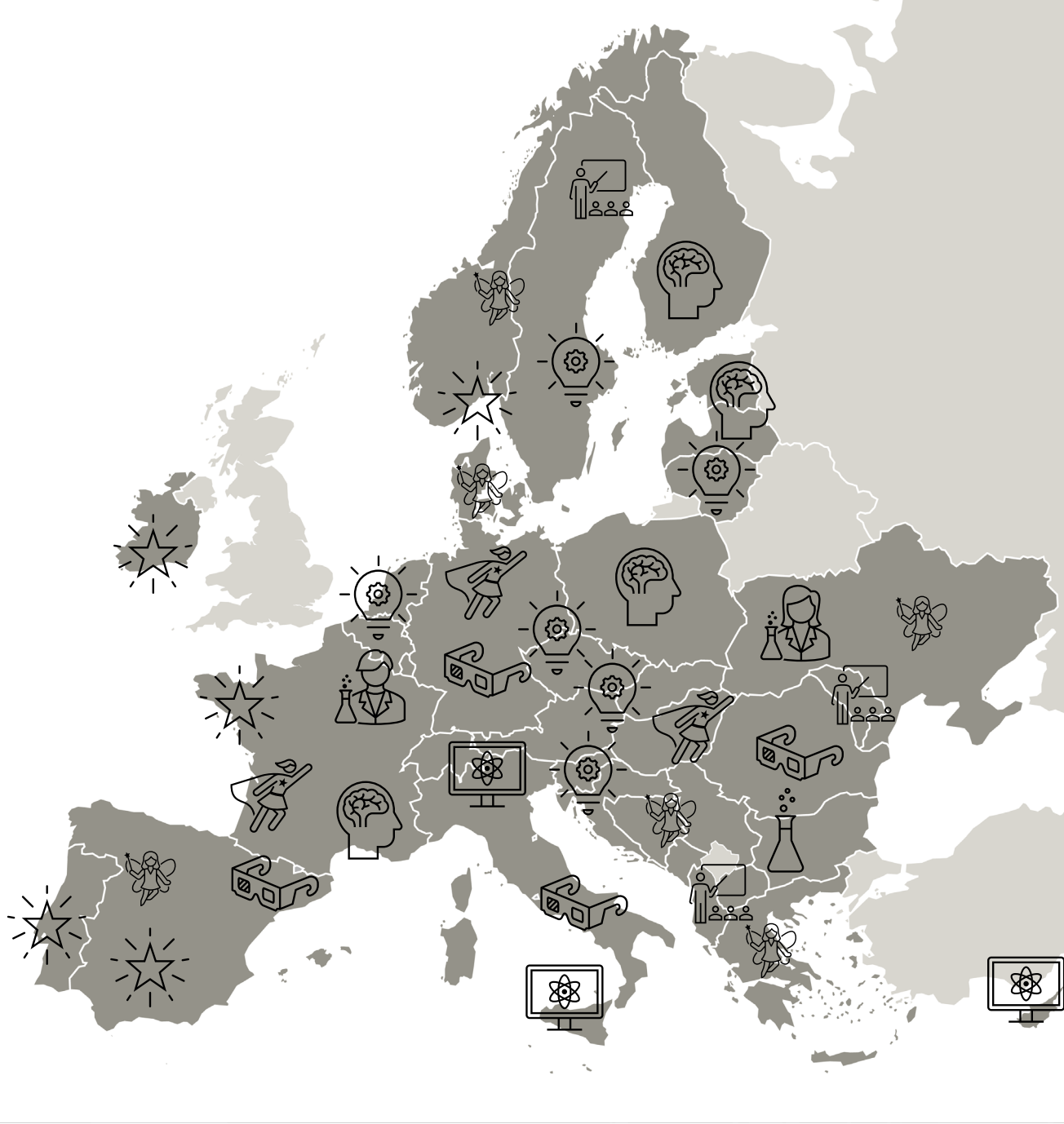
Marc Pattinson
Thematic Expert – Smarter Europe
Policy Learning Platform

Innovation vouchers

Arnault Morisson
Thematic Expert – Smarter Europe
Policy Learning Platform

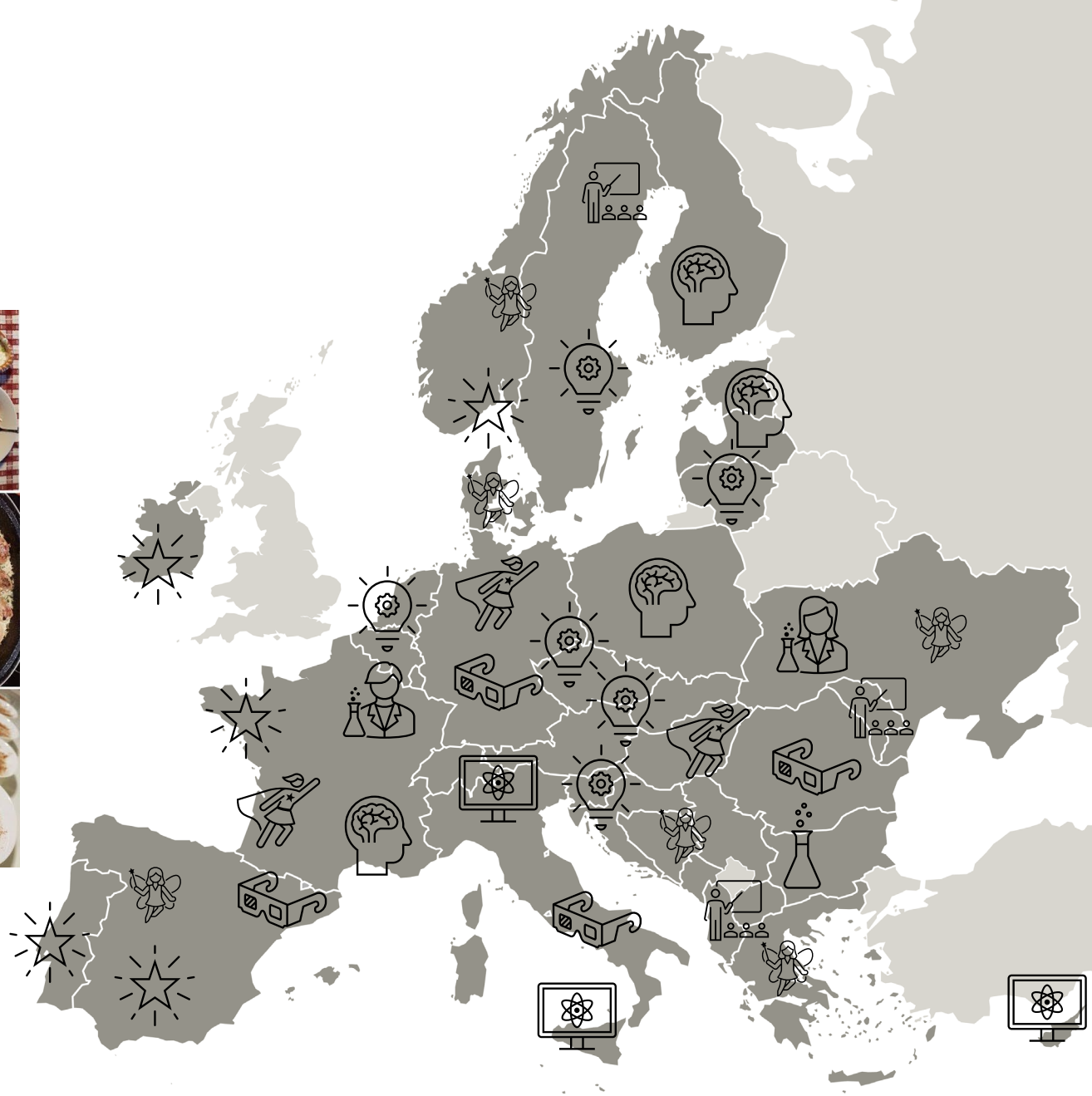
Hackathons





The agenda – 17:30- 19:00

Networking cocktails



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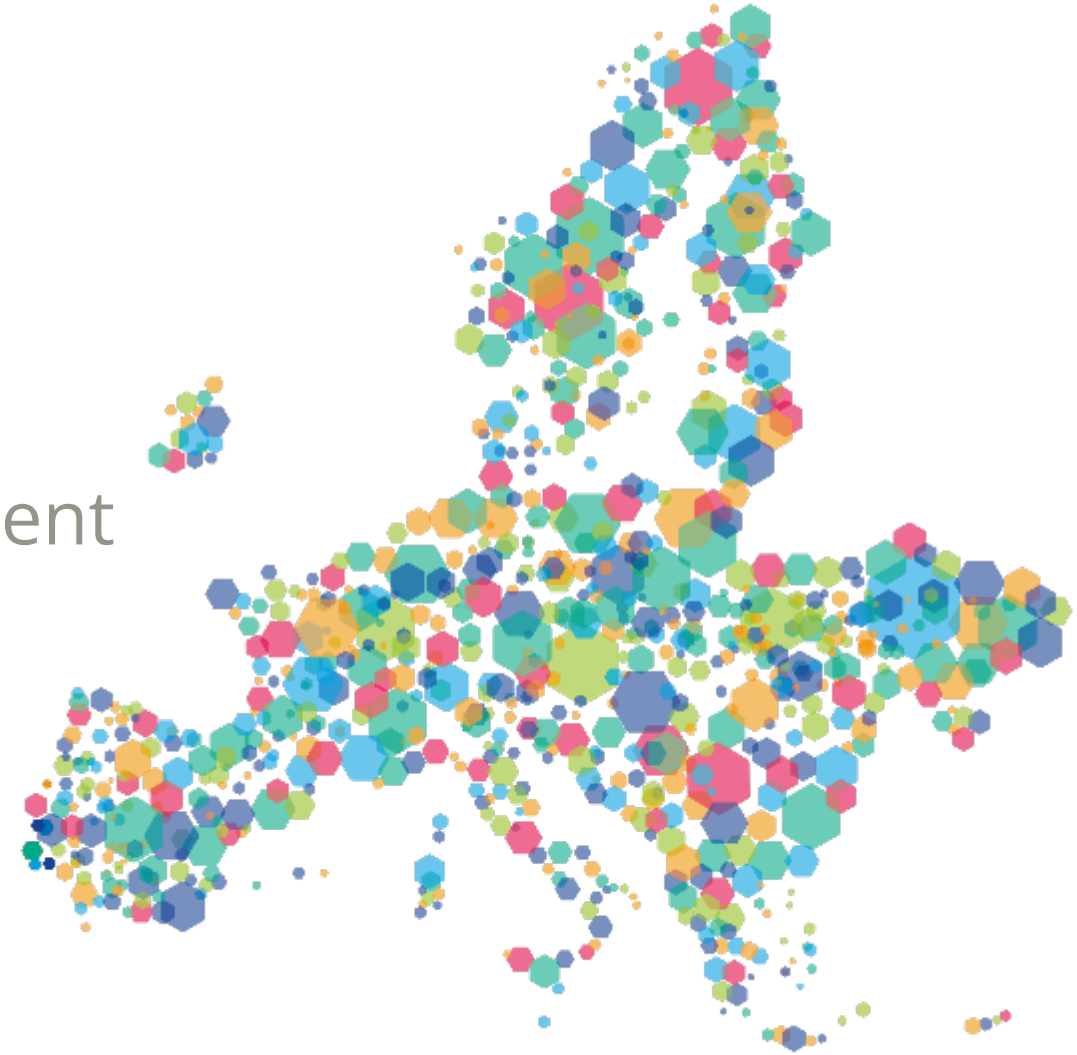
Interreg Europe

Policy learning for regional development



Nicolas Singer
Head of Unit - Projects & Platform
Interreg Europe

Elena Ferrario
Senior Thematic Manager
Policy Learning Platform

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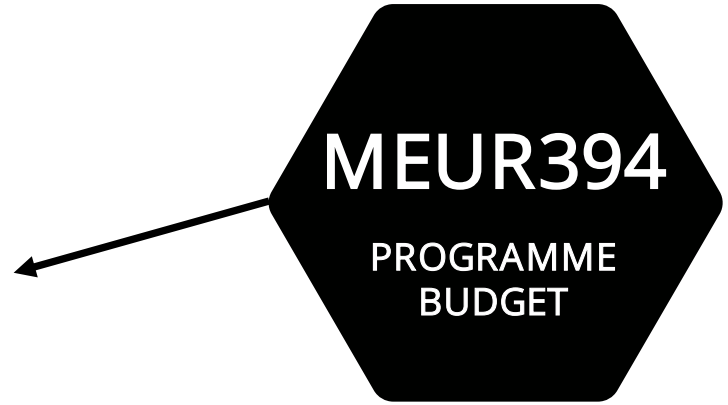
19 November 2024

Cohesion policy & **Interreg programmes**

- 4 strands, each strand with its own scope and objectives
- 86 programmes, 10 billion euros ERDF

A	Cross-border	**64** programmes **EUR 6.7 billion**	
B	Transnational	**13** programmes **EUR 2.3 billion**	
C	Interregional	**4** programmes **EUR 560 million**	**Interreg Europe** Urbact, Interact, Espon
D	Outermost regions	**5** areas **EUR 330 million**	



Interreg Europe **objective**

To improve regional development policies through the identification and transfer of good practices among EU regions

Helps policymakers to find new solutions to their challenges

- Primarily dedicated to **policymakers**
- Focus on **exchange of experience**

→ Different from cross-border or transnational cooperation

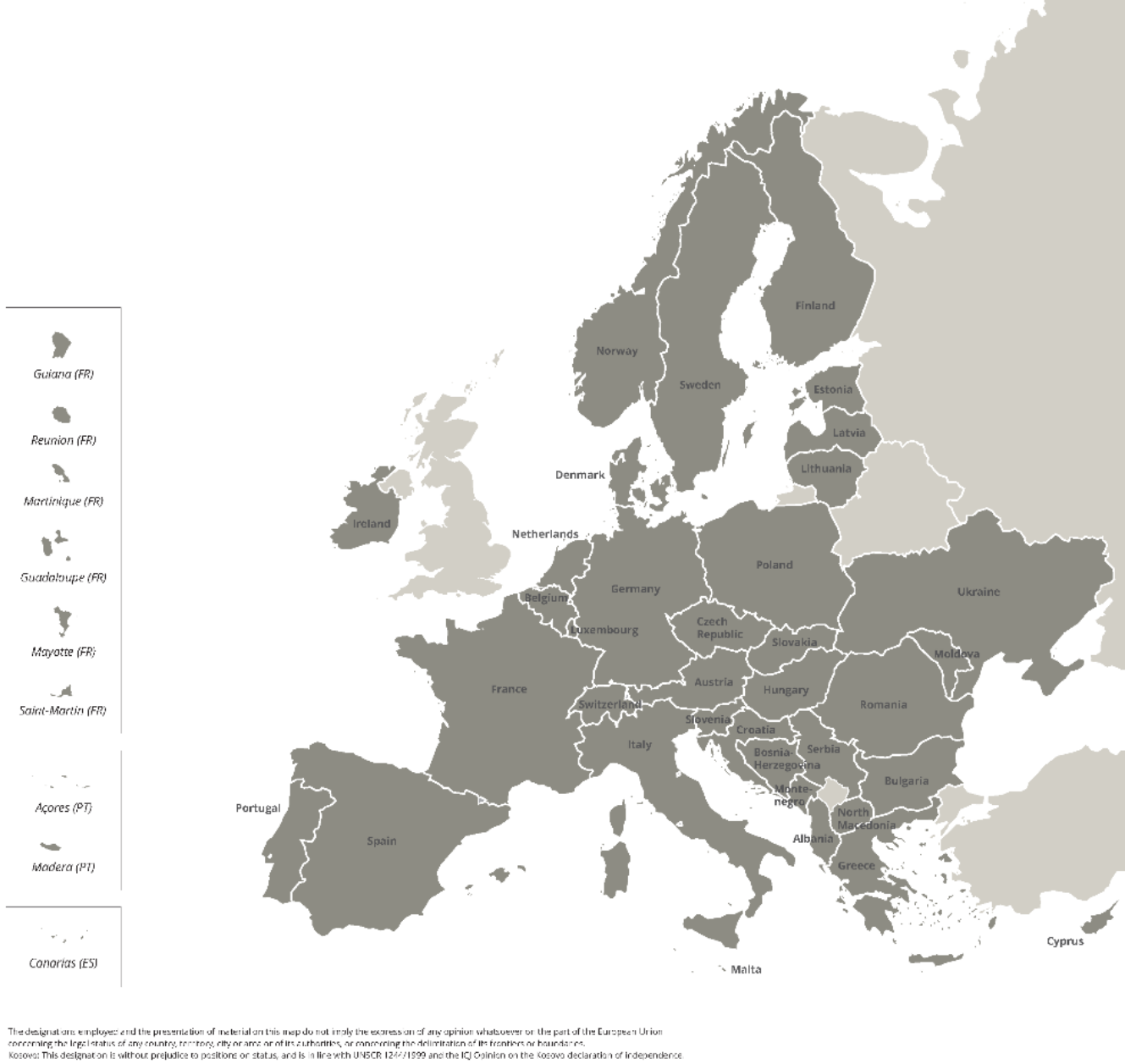
Programme area

36 Partner States

All EU27 + Norway and Switzerland

Seven new countries joined in 2024

- Albania
- Bosnia and Herzegovina
- Moldova
- Montenegro
- North Macedonia
- Serbia
- Ukraine



The designations employed and the presentation of material on this map do not imply the expression of any opinion whatsoever on the part of the European Union concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries.
Kosovo: This designation is without prejudice to positions on status, and is in line with UNSCR 1244/1999 and the ICJ Opinion on the Kosovo declaration of independence.

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Programme **scope**

1 priority on capacity building → All topics of Cohesion policy eligible

Two **actions**

Projects

Limited number of regions exchanging and transferring experience on a shared regional development issue

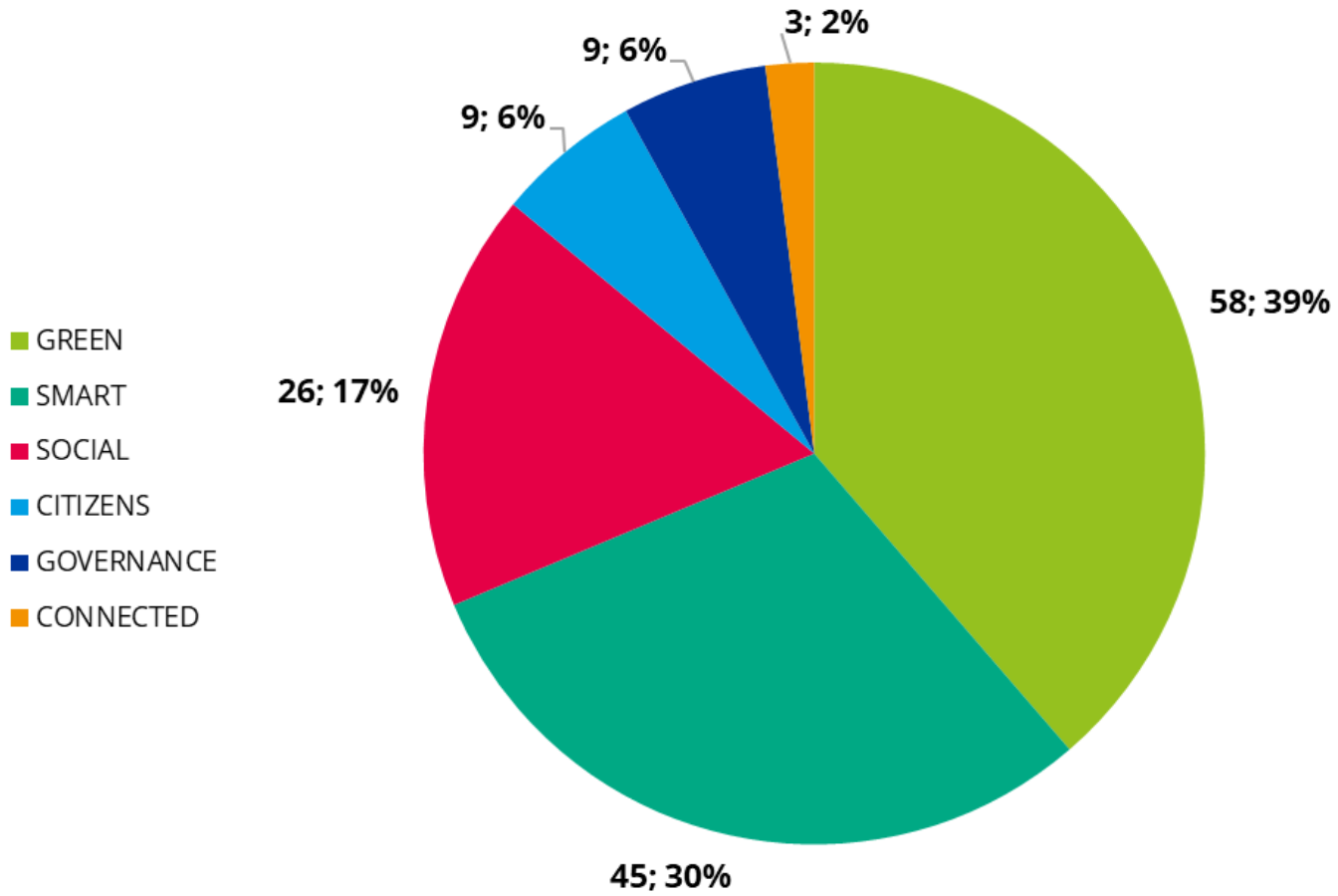
Policy Learning Platform

Further exploiting projects' achievements and opening up the programme benefits to all

Overview of projects approved so far

150 running projects

- 1,297 partners
- 35 countries represented



Calls for proposals – **state of play**

First call (5 April – 31 May 2022)	
134	project proposals
72	approved projects
54%	success rate
EUR 102 million	Interreg funds allocated

Second call (15 March - 9 June 2023)	
146	project proposals
78	approved projects
53%	success rate
EUR 112 million	Interreg funds allocated

More than 60% of projects' budget already allocated.

Third call closed on 7 June 2024 – evaluation ongoing

Participation of **North Macedonia in projects**

Three partners in running projects
(after restricted call)

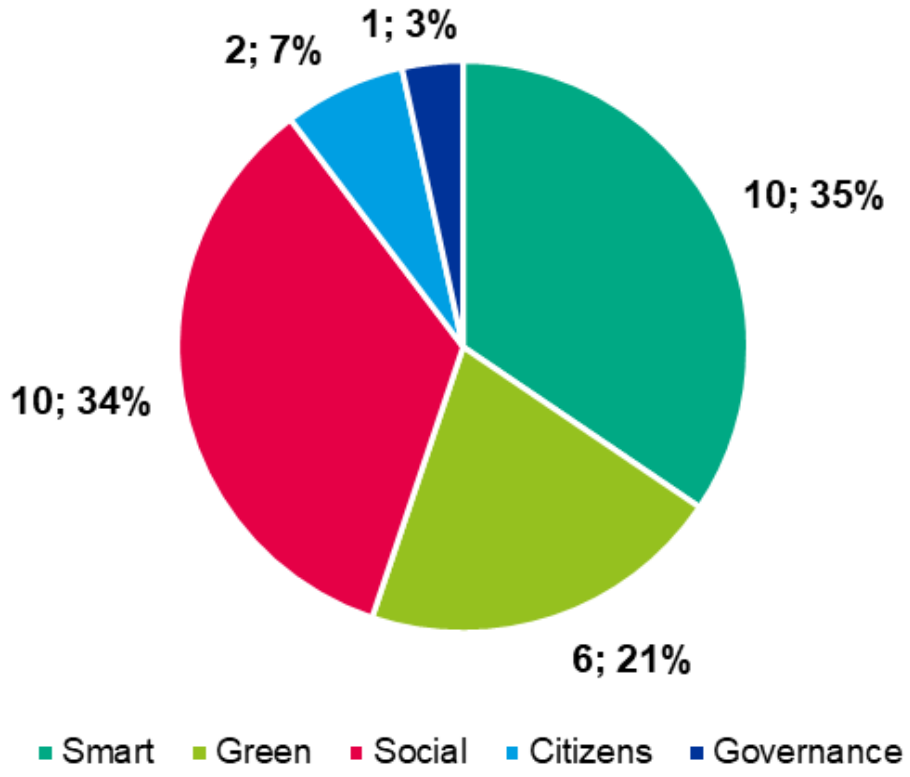
Municipality of Kocani

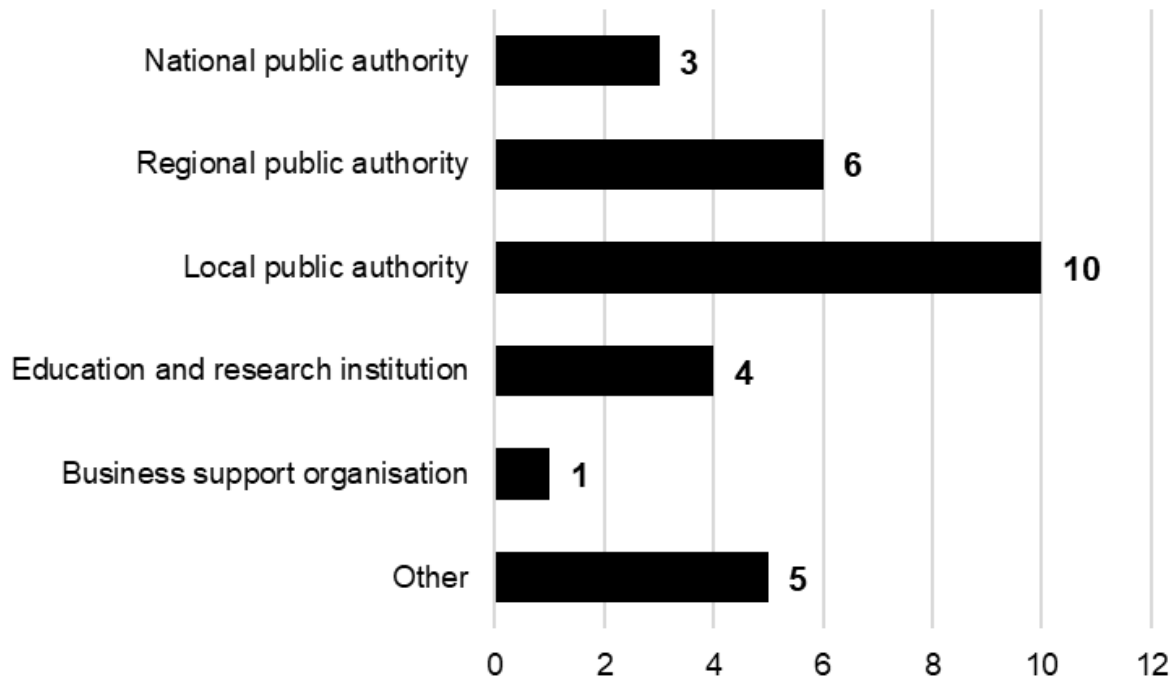
Foundation for Management and Industrial Research

Center for research and policy making CRPM Skopje

Participation of **North Macedonia in applications**

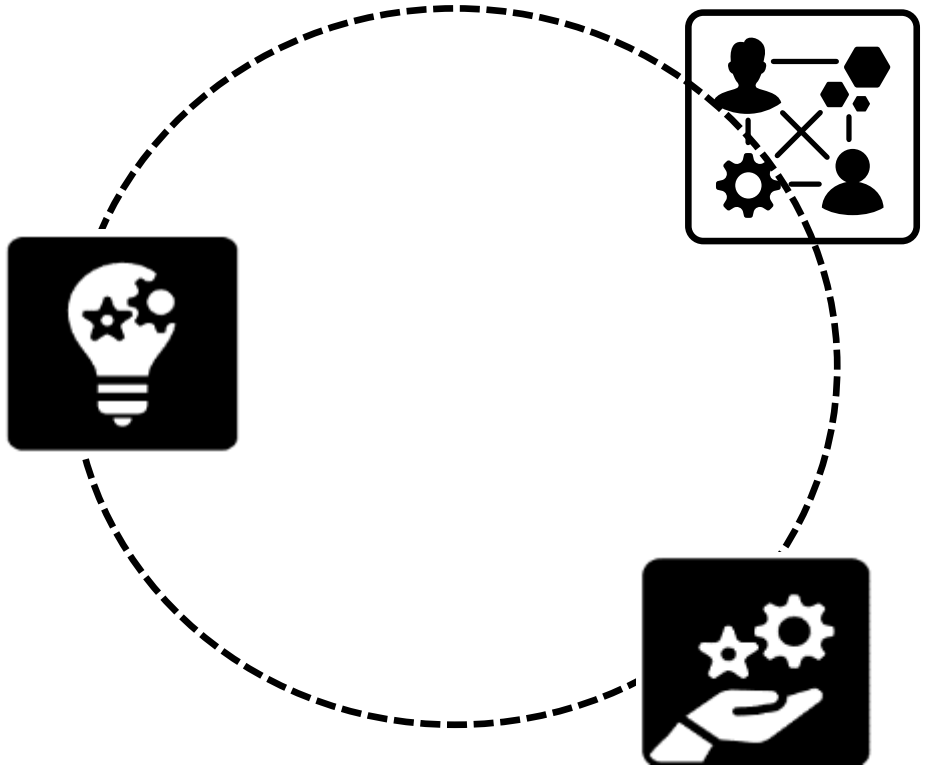
29 applicants in the third call (decision end 2024)





Platform in a nutshell

Policy-learning services through access to:



Knowledge
Find **policy solutions**
(good practice database, thematic publications)

People
Meet our **community**
(thematic events, webinars)

Expertise
Get **policy advice**
(peer reviews, matchmakings, policy helpdesk)

The platform **team**


Marc Pattinson


Arnault Morisson


Luc Schmerber


Erik Gløersen


Katharina Krell


Simon Hunkin


Rene Tõnnisson


Laura Varisco


Mart Veliste


Astrid Severin


Magda Michalikov¡


Thorsten Kohlisch


Elena Ferrario


Karine Gevorgyan

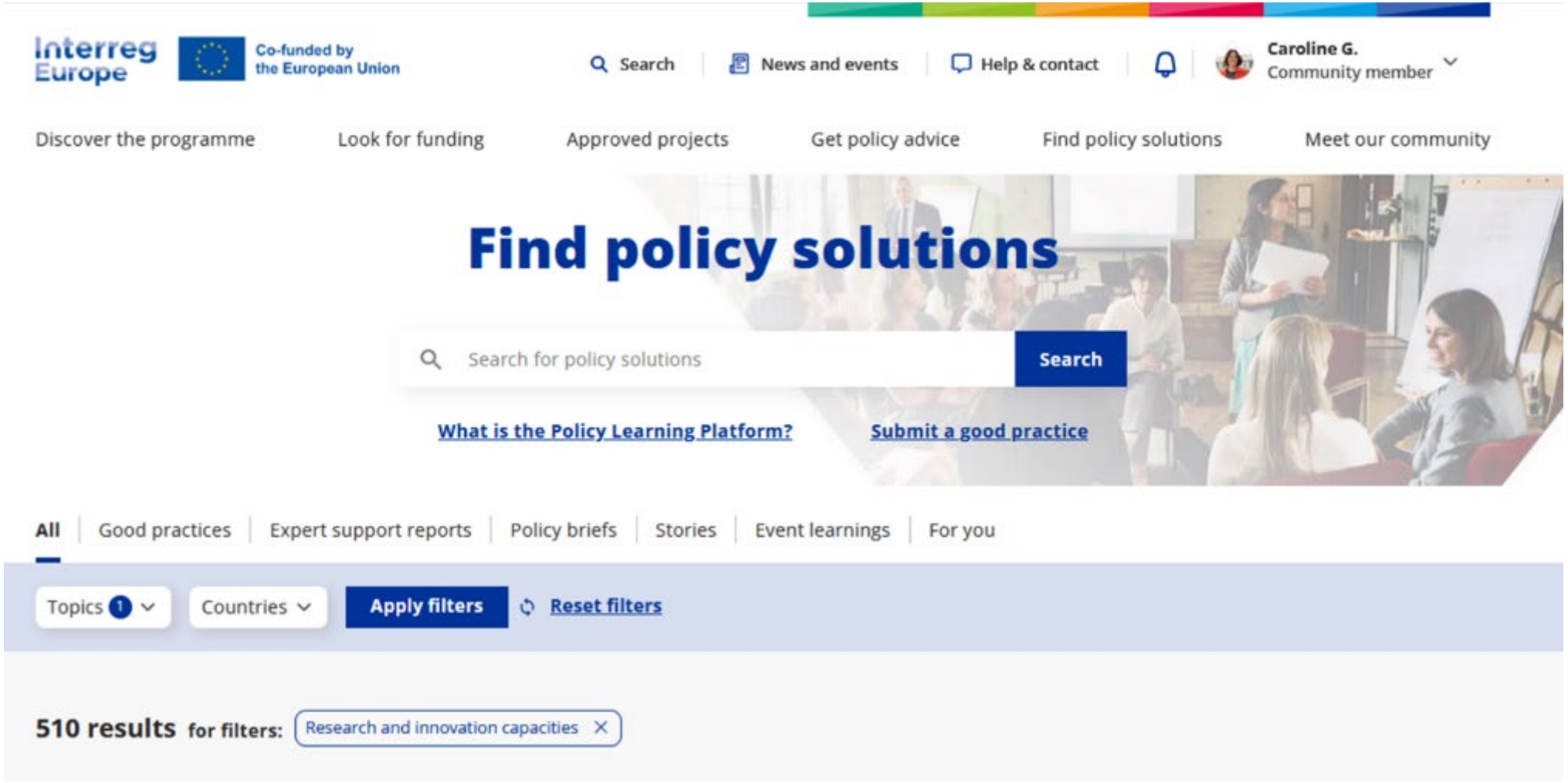

Mario Vadepied


Valentine Dufaye


Lotte van Meijel


Vladimir Sestovic


Antoine Duquennoy



https://www.interregeurope.eu/policy-solutions

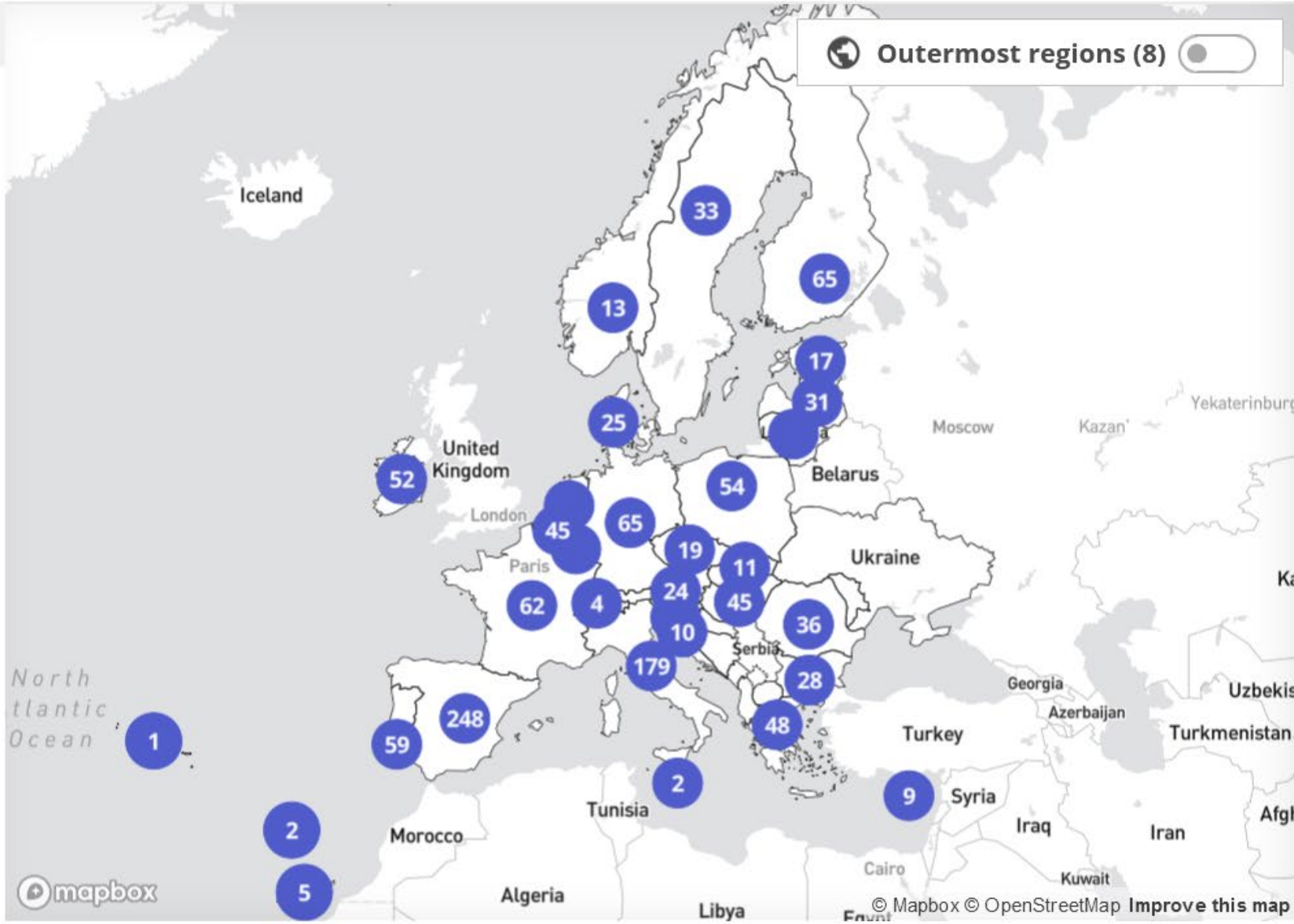
1409 good practices

Show filters

FILTER BY THEMATIC AREAS

Check / uncheck all topics # of good practices

- [x] **Smart** — 5 subtopics — 1497
  - [x] Research and innovation capacities — 442
  - [ ] Digitisation — 196
  - [ ] SME competitiveness — 636
  - [x] Skills for S3 and industrial transition — 223
  - [ ] Digital connectivity — 0
- [ ] **Green** — 8 subtopics — 1588
- [ ] **Connected** — 2 subtopics — 9
- [ ] **Social** — 6 subtopics — 350
- [ ] **Citizens** — 2 subtopics — 28
- [ ] **Governance** — 1 subtopics — 6



Disclaimer

The Policy Learning Platform can help

SMART

Policy Brief → Research valorisation

Research valorisation

SMART

Webinar → Entrepreneurial universities

Entrepreneurial Universities: Key learnings

SMART

Peer Review → Challenge-driven innovation policies to promote university-industry collaboration for the Autonomous Region of the Azores, Portugal

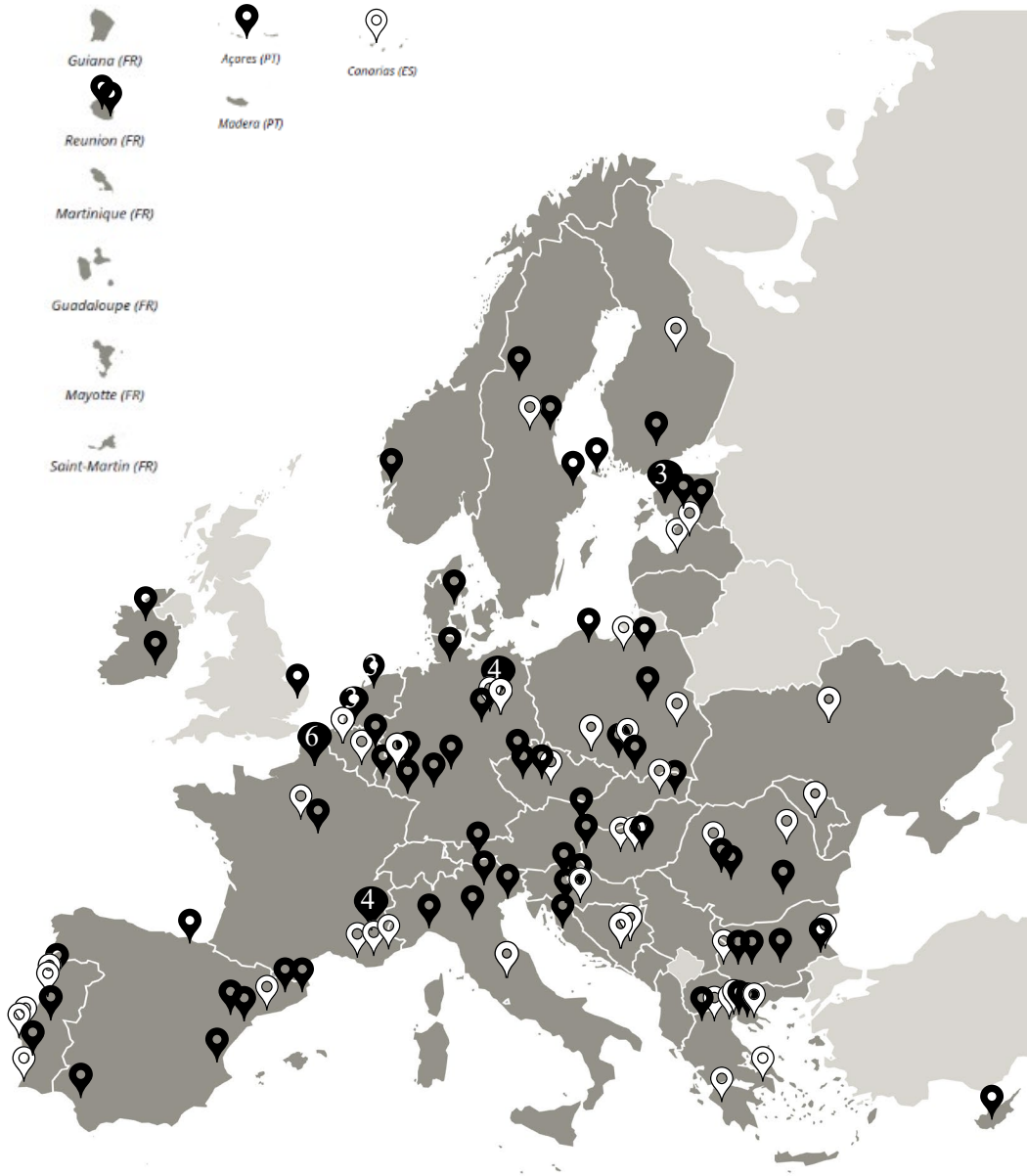
Peer learning in practice

- **89 peer reviews** implemented since 2019
  15 peer reviews in the pipeline

- **51 matchmaking** sessions

Apply to benefit from expert support any time

https://www.interregeurope.eu/get-policy-advice



Peer review: How to structure Centres of Excellence and Centres of Competence

Ministry of Education and Science, Bulgaria

Peers from: **Finland, Belgium, Czech Republic, Lithuania**

Recommendations:

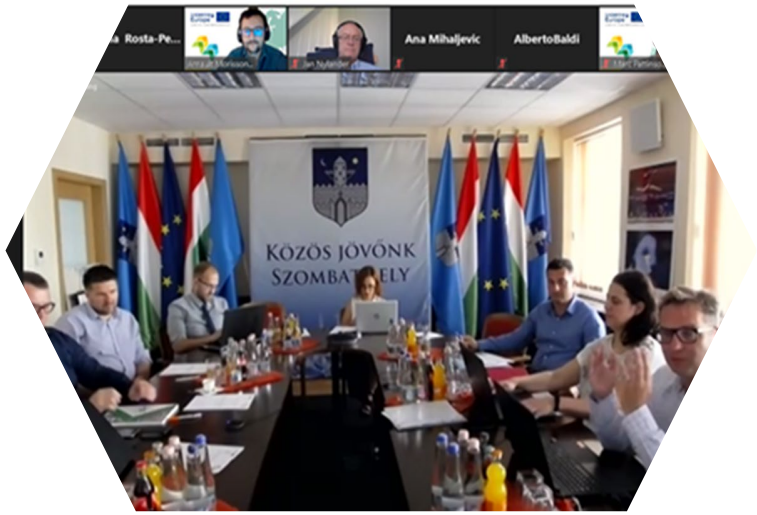
- Focus on governance – and financial models, and private sector involvement
- Importance of extra-regional knowledge and interregional cooperation

5
Peers

18-19 June 2019

More information available **here**

Peer review: Economic diversification in the Hungarian Health Sector



City of Szombathely, Hungary

Peers from: **Austria, Italy, Spain, Sweden**

Recommendations:

- Pursue diversification in related health sectors and make strategic bets
- Set up a “hot spot” / establish an “innovation campus” at the teaching hospital

5
Peers

29-30 June 2021

More information available **here**

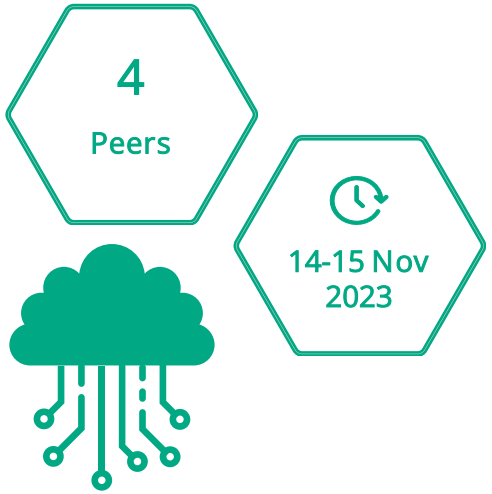
Peer review: New financial instruments to support development of enterprises

Innovation Center Ústí nad Labem, Czech Republic

Peers from: **Germany, Hungary, Poland, Spain**

Recommendations:

- Know the needs and absorption capacity of clients is crucial
- Piloting can help validate concepts and avoid large failures
- Follow a project-based approach rather than a financial-instrument based approach



More information available **here**

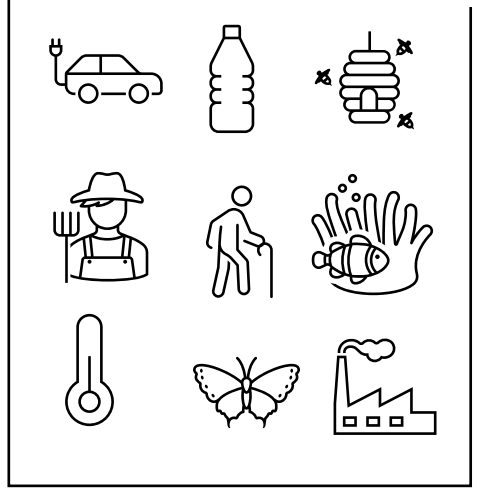
Regional innovation ecosystems: Interactions

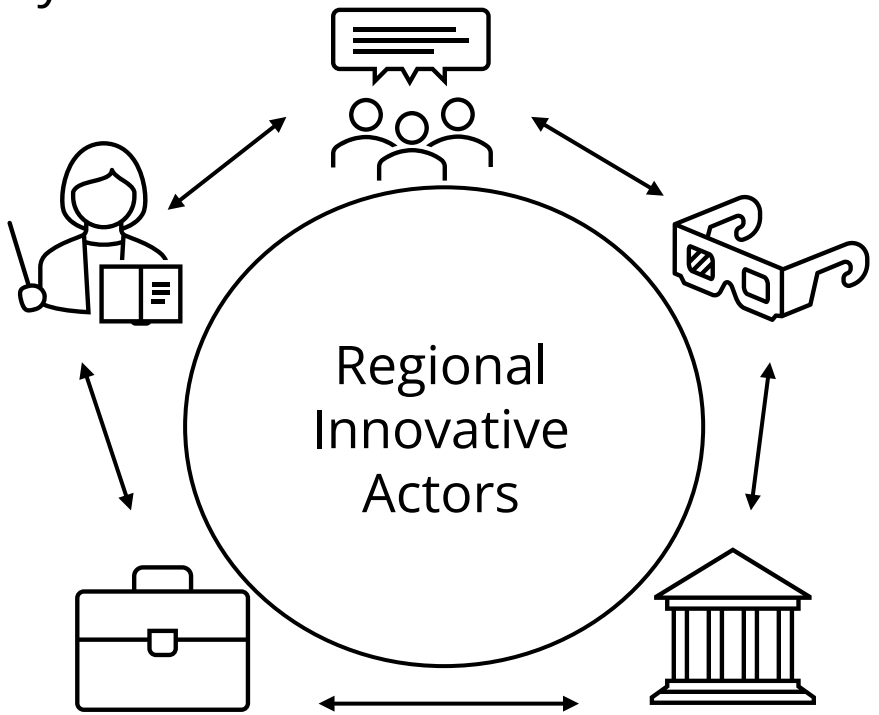
The EU aims to create more connected and efficient innovation ecosystems to support the scaling of companies, encourage innovation and stimulate cooperation among national, regional, and local innovation actors.

European Policy Directionality

National Policy Directionality

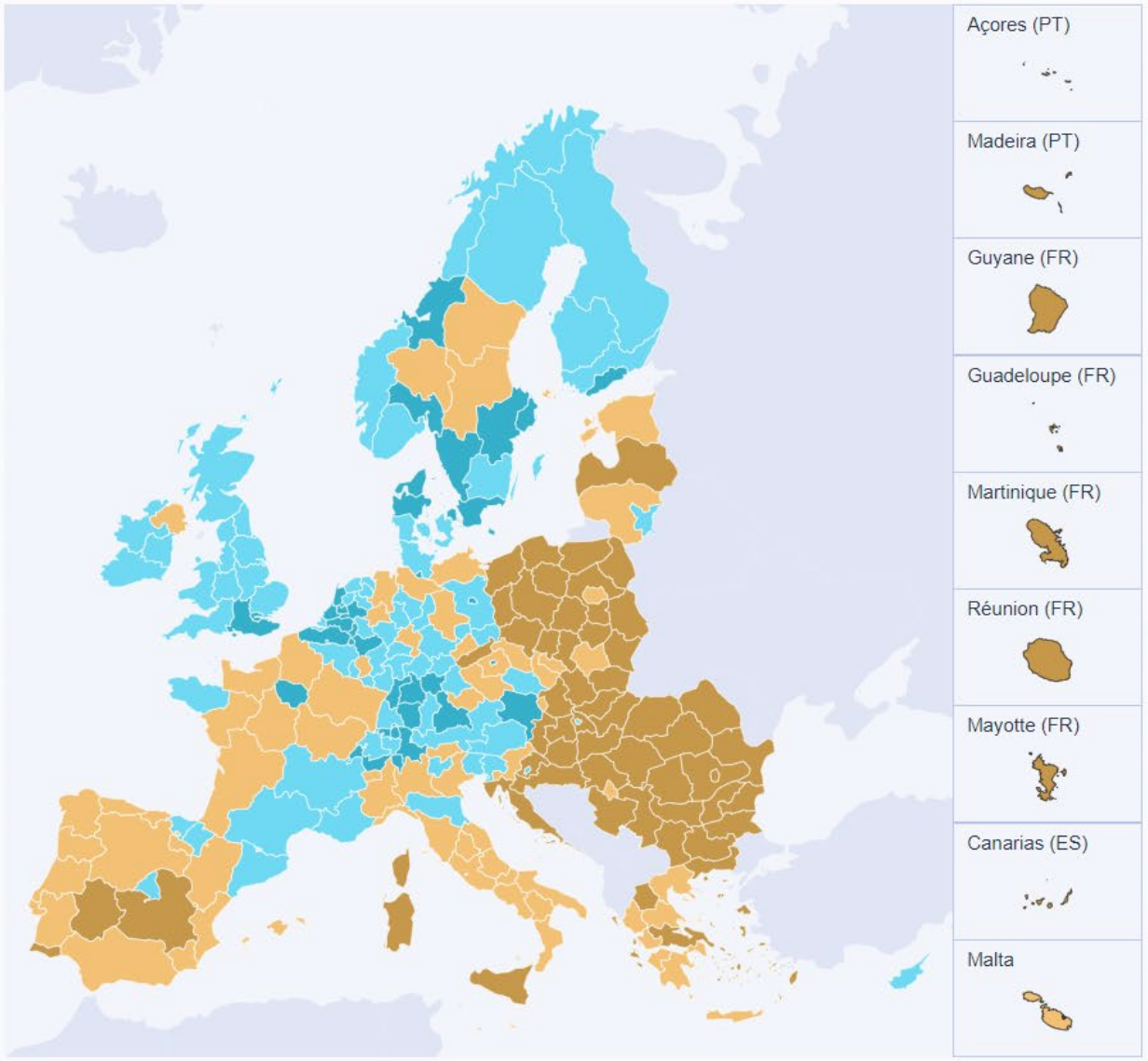
Regional context and societal challenges





How to promote regional interactions among innovative actors and connect them in a multi-level governance setting?

Regional innovation ecosystems: regional innovation scoreboard



Innovation Leaders 1 - 18 of 36

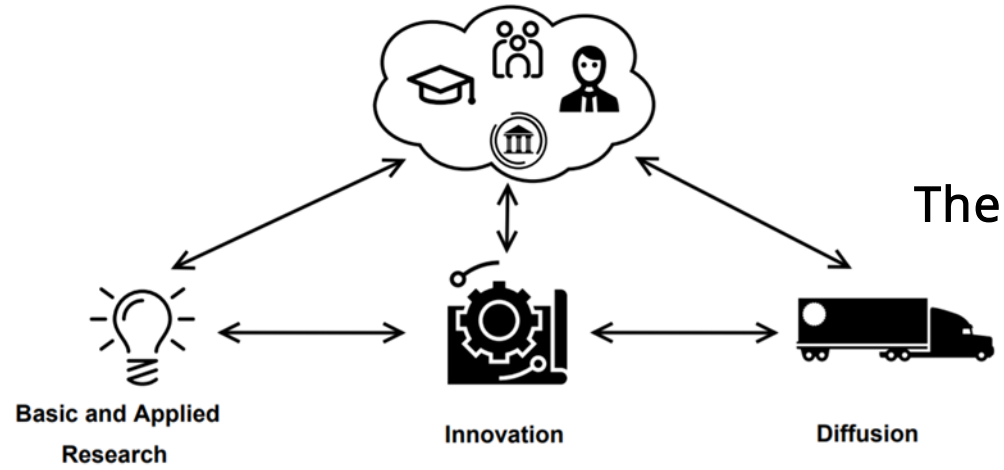
Hovedstaden	169.5	▲ 2.5
Etelä-Suomi	165.0	▲ 6.3
Oberbayern	164.3	▼ 1.5
Stockholm	162.4	▼ 3.5
Berlin	160.0	▲ 0.2
Zürich	155.6	▼ 0.8
Karlsruhe	154.5	▲ 0.2
Midtjylland	152.7	▲ 3.0
Ticino	150.7	▼ 1
Västsverige	150.2	▲ 4.8
Nordwestschweiz	148.8	▼ 2.4
Noord-Holland	148.7	▼ 0.3
Hamburg	148.1	▼ 0.6
Sydsverige	147.5	▼ 4.7
Utrecht	145.3	▼ 0.01
London	142.2	▼ 1.3
Zuid-Holland	142.2	▲ 0.7
Ostschweiz	141.9	▼ 1.8

Strong Innovators

Moderate Innovators

Find weaknesses in your regional innovation ecosystem and design the right policy-mix!

Regional Innovation Ecosystems: university-industry collaboration



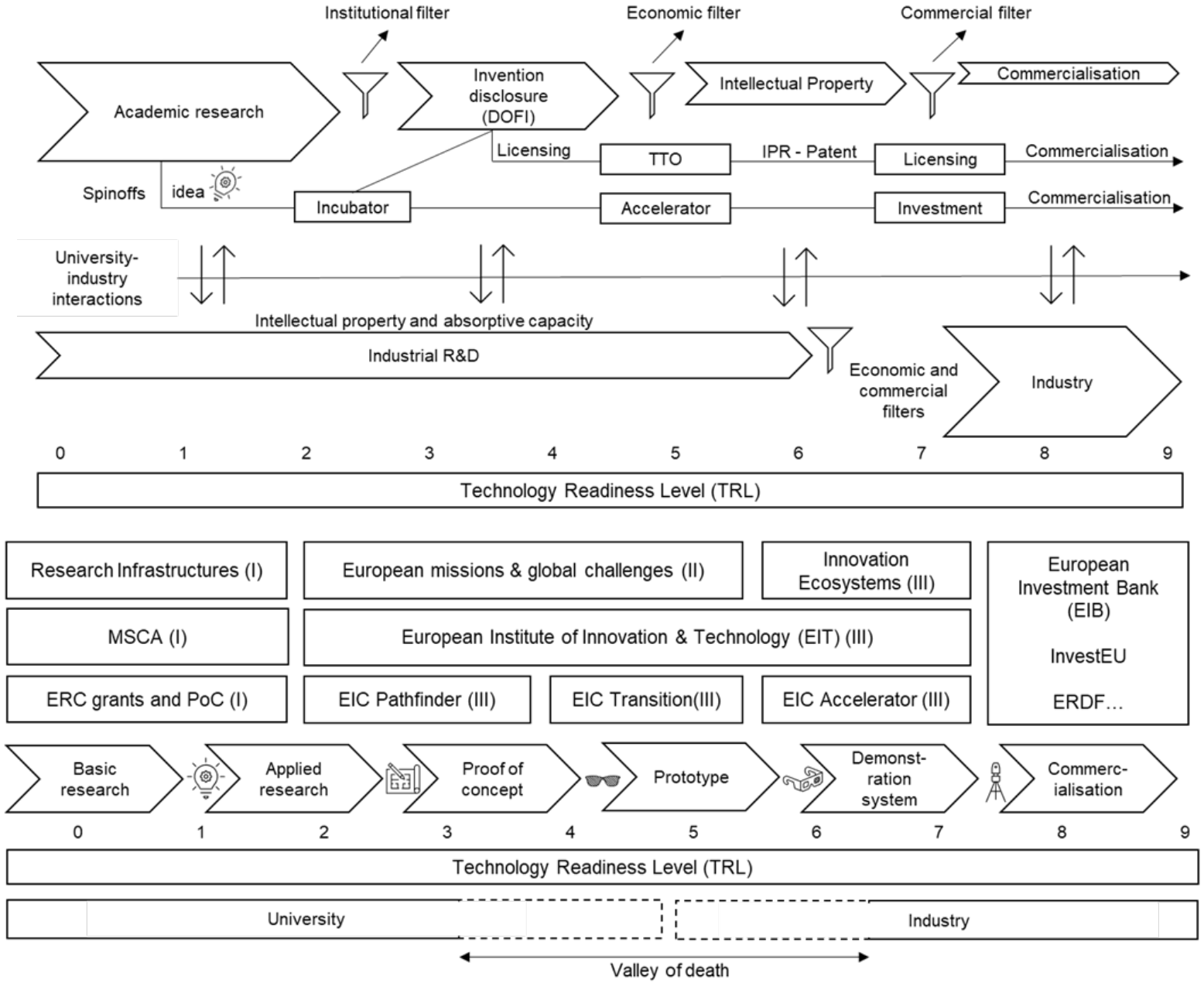
The innovation process is non-linear

- Research and Development (R&D) activities are essential for the competitiveness of private companies.
- There is a lack of incentives for private companies to participate in R&D activities.
- There is a lack of absorptive capacity of private companies.
- There is asymmetry of motives between university and industry to collaborate. Universities are primarily driven to create new knowledge and to educate, whereas private firms are focused on economically capturing useful knowledge to gain a competitive advantage.

Financial policy tools	Regulatory policy tools	Soft policy tools
R&D innovation subsidies/grants for industry-science research	IP regulations publicly-funded research	Outreach activities to raise awareness of science-industry opportunities
Tax incentives for companies purchasing research from universities	Regulation of spin-offs founded by researchers & students	Training programs on knowledge collaboration
Grants for IP applications from universities	Sabbaticals & mobility schemes for researchers to work in industry	Collective industry-science roadmapping & foresight
Financial support to academic spin-offs	Career rewards for researchers engaging in knowledge collaboration	Guidelines, standards, & codes of conduct for science-industry collaboration
Financial support to firms to recruit PhDs & post-docs	Open access & open data provisions for publicly-funded research	Networking support to build science-industry linkages
Financial support for universities to host industry researchers		
Public procurement of university research		
Innovation vouchers for R&D services from universities		
Performance-based funding systems for university linkages with industry		
Public-private partnerships creating joint research laboratories		
Funding of infrastructures & intermediaries for collaboration		

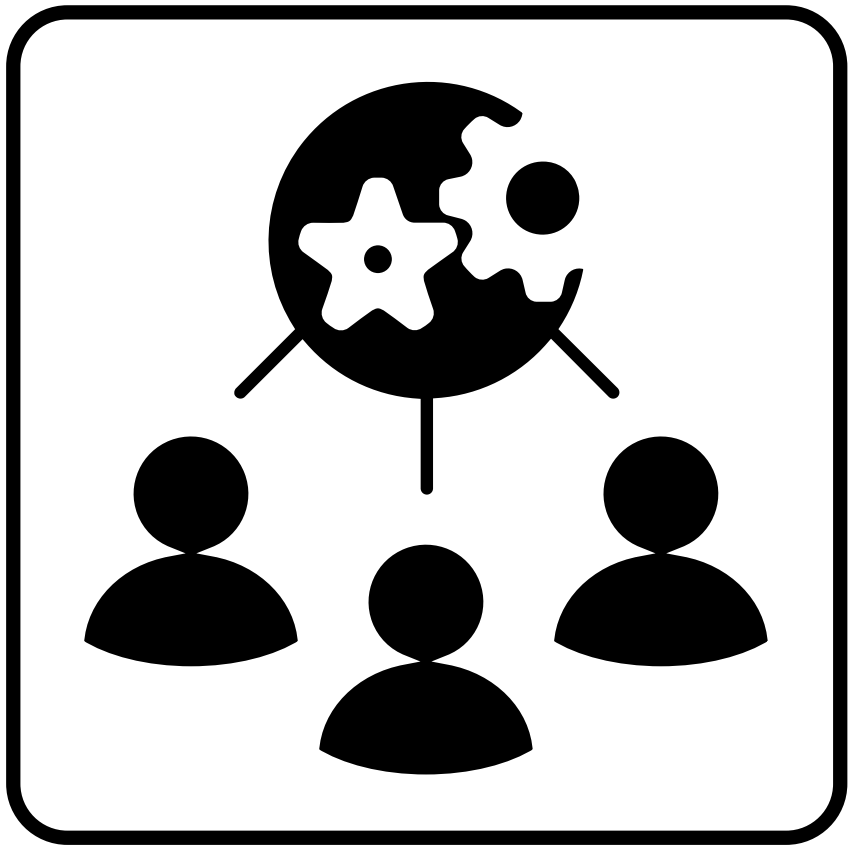
Regional Innovation Ecosystems: research valorisation

Research valorisation



Building thriving innovation ecosystems

Ice-breaking exercise



Introduction

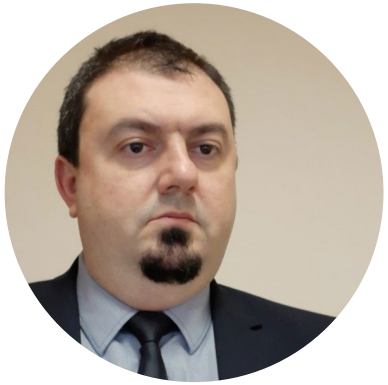
1/ Find the person

2/ Country, region, organisation, why this workshop?

3/ Present the person


Nikola Dodov, Fund for Innovation and Technological Development, Director, North Macedonia.

The good ingredients – part I: governance and funding for university industry collaboration



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PROGRAMME
RESEARCH, INNOVATION AND DIGITALISATION FOR SMART TRANSFORMATION

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Centers of Excellence and Centers of Competence in Bulgaria

Building thriving innovation ecosystems through university-industry collaboration

Tuesday 19 November 2024, Skopje

Ivan Popov
Deputy Executive Director
Executive Agency “Program Education”, Bulgaria

Co-funded by the European Union

PROGRAMME RESEARCH, INNOVATION AND DIGITALISATION FOR SMART TRANSFORMATION

Interreg Europe

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Executive Agency "Program Education" – who we are:

2007-2013	Intermediate Body Human Resources Development OP (ESF)	€ 436 993 047 (ESF)	→	€ 1 123 716 386	Trainings for students, teachers, university professors; student practices; educational integration - Schools - Kindergartens - Municipalities - NGOs - Universities
2014-2020	Managing Authority Science and Education for Smart Growth OP (ERDF & ESF)	€ 686 723 339 (ERDF & ESF)			Establishment and development of Centers of Excellence and Centers of Competence - Universities - Academy of Sciences
2021-2027	Managing Authority Program Education (ESF+)	€ 964 919 788 (ESF+)	→	€ 1 945 928 245	Trainings for students, teachers, university professors, student practices; educational integration - Schools - Kindergartens - Municipalities - NGOs - Universities
	Intermediate Body Program RIDST (ERDF)	€ 268 411 957 (ERDF)			Sustainable Development of Centers of Excellence and Centers of Competence - Universities - Academy of Sciences
2022-2026	RRF Bulgaria	€ 712 596 500 (RRF)	→		Investments in educational infrastructure, STEM centers 10 research universities - Schools - Universities - Municipalities - National STEM Center

Bulgaria on the European Innovation Scoreboard

EIS Interactive Tool, 2024,

Emerging Innovator

- 46% of the EU Innovation Index average
- Below 70 % of the 2024 EU average
- Underperforms the Emerging Innovators' average
- Improving, but slower than the EU overall
- Behind 7 non-EU countries (Switzerland, Norway, UK, Iceland, Serbia, Turkey, Montenegro)
- Second-lowest in the EU

Conditions for creating Centers of Excellence and Centers of Competence in Bulgaria

OP "Science and Education for Smart Growth" (OPSESG)
2015

2017
National Research Strategy 2017-2030

10 CoC and 6 CoE Established under OPSESG
2018-2019

January 2021
JRC Strategic Evaluation of CoE/CoC

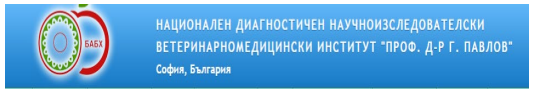
Established new Ministry of Innovations and Growth
March 2022

December 2022
Program Research, Innovations, Digitalization for Smart Transformation (PRIDST)

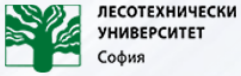
Preparation of Development and Sustainability Programs with Business Plans
2023-2024

March 2024
Launch of call for proposals under PRIDST 21-27

New law on promotion research and innovations
May 2024



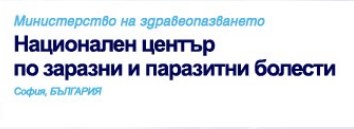
Медицински институт
на
Министерство на
вътрешните работи



СДРУЖЕНИЕ СЪВРЕМЕННИ
ЛЕТАТЕЛНИ ТЕХНОЛОГИИ

Университет
по Библиотекознание
и Информационни
технологии

РУСЕНСКИ
УНИВЕРСИТЕТ
"Ангел Кънчев"



23
Universities

26
Institute a of the BAS

Beneficiaries

7 Non-governmental organizations

6
Other research organizations

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PROGRAMME RESEARCH, INNOVATION AND DIGITALISATION FOR SMART TRANSFORMATION

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Relevance to the Integrated Strategy for Smart Specialization

Thematic area "Informatics and ICT";

- **CoC:** Digitization of the economy in an environment of Big data **(DEBD)**, University of National and World Economy
- **CoC:** Establishment and Development of a Center of Competence "Quantum Communication, Intelligent Security Systems and Risk Management" **(Quasar)**, Institute of Robotics - BAS
- **CoE:** Universities for science, Informatics and technology in society **(UNITe)**, Sofia University “St. Kliment Ohridski”
- **CoE:** Centre of Excellence in Informatics and Information and Communication Technologies, Institute of Information and Communication Technologies - BAS
- **CoE:** Big Data for Smart Society **(GATE)**, Sofia University “St. Kliment Ohridski”

Thematic area "Mechatronics and microelectronics";

- **CoC:** Smart Mechatronic, Eco- and Energy Saving Systems and Technologies; Technical University – Gabrovo;
- **CoC:** Centre of competence **HITMOBIL**–Technologies and Systems for Generation, Storage and Utilization of Clean Energy; Institute of Electrochemistry and Energy Systems - BAS
- **CoC:** Mechatronics and Clean Technologies (**MIRACle)**; Institute of Mechanics – BAS
- **CoE:** National Centre for clean technology and Mechatronics, Institute of General and Inorganic Chemistry - BAS

Thematic area "Healthy living industries, bioeconomy and biotechnologies”;

- **CoC:** Sustainable utilization of bio-resources and waste of medicinal and aromatic plants for innovative bioactive products, Institute of Organic Chemistry with Centre of Phytochemistry – BAS
- **CoC:** CoC in the field of personalized medicine, 3D and telemedicine, robotic-assisted and minimally invasive surgery , Medical university - Pleven
- **CoC:** Personalized Innovative Medicine Competence Centre (**PERIMED**), Medical University - Plovdiv
- **CoC:** Fundamental Translational and Clinical Investigations on Infections and Immunity, National Centre of Infectious and Parasitic Diseases;
- **CoE:** Center of Plant Systems Biology and Biotechnology (**PlantaSYST**), Center of Plant Systems Biology and Biotechnology

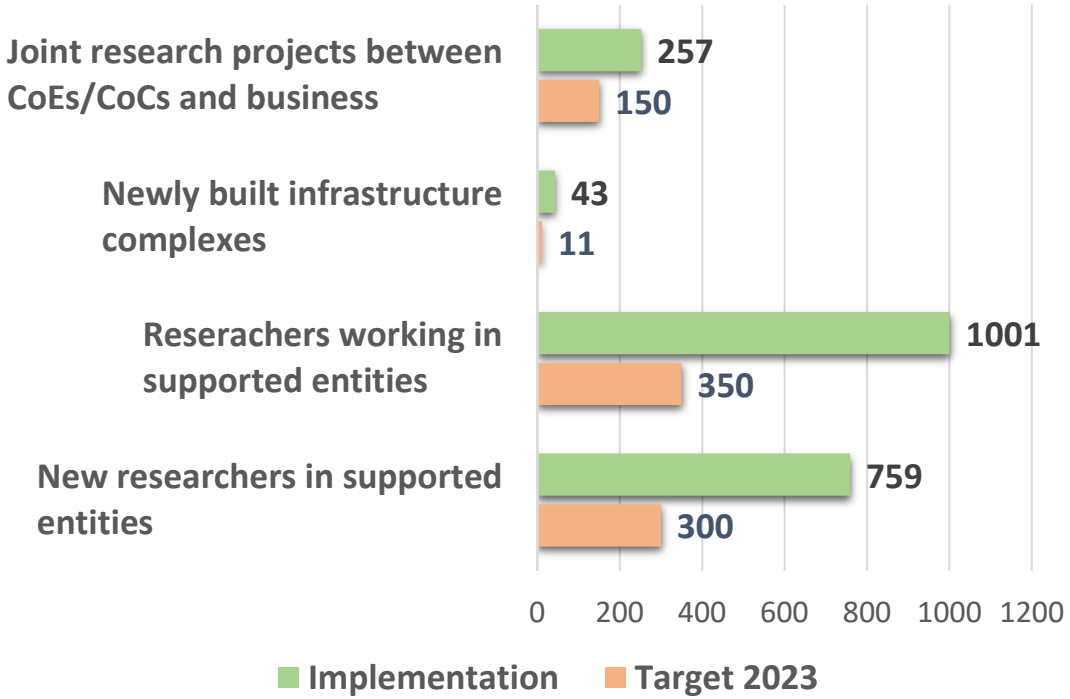
Thematic area "New technologies in creative and recreationalindustries”;

- **CoE:** Construction and development of the Centre of excellence **"Heritage BG“**, Sofia University “St. Kliment Ohridski”

Thematic area "Clean technologies, circular and low carbon economy".

- **CoC:** Clean technologies for sustainable environment – water, waste, energy for circular economy (**Clean&Circle**), Sofia University “St. Kliment Ohridski”

CoC & CoE results and outputs



- ✓ Total number of **scientific publications**, incl .: **2817**

  Q1 637 Q2 360 Q3 173 Q4 513
- ✓ **Publications** in the top 10% of the most cited: **72**
- ✓ Number of **patents,** incl. requests: **70**
- ✓ Number of **useful models**, incl. requests **41**
- ✓ Number of **young scientists** up to 34 years old who participate in research and development activities in the center (in EPRV) **180**
- ✓ Number of **leading national researchers** **272**
- ✓ Number of **leading international researchers** **86**
- ✓ Number of **doctoral students, postdoctoral students**

and specialists in ISIS thematic areas (in EPRV) **161**

- ✓ Number of **attracted scientists from other countries** and/or Bulgarian scientists who were employed in foreign scientific organizations **37**
- ✓ Number of **scientists trained** through transnational mobility and international cooperation **414**
- ✓ **Joint research projects** developed between the centers (CVP and Central Committee) and business **257**

JRC EUROPEAN COMMISSION

Strategic Evaluation of Bulgarian CoEs and CoCs (2021)

Conclusion:

CoEs and CoCs – strongly focused on scientific research excellence and less so on **commercialization**, **market orientation**, **innovation capacity-building**, or **self-sustainability**.

Technology transfer activity is still relatively **limited**

Recommendation:

Development of a **Vision** and a **Strategy** for the post 2023 period with a **Business Plan** that should contain the following elements:

- **Analysis of the opportunities of the market (national and international)**
- **Identification of national and international business partners, and national and international R&D support programs**
- **Identification of international collaborators for R&D and technology development**
- **Detailed organizational and governance reporting structures**
- **Mix of income sources and their evolution whilst the center matures**
- **Presentation of a detailed roadmap towards institutional, scientific, and financial sustainability**

TAIEX SHARING EU EXPERTISE SINCE 1996

TAIEX-REGIO PEER 2 PEER support

1. Workshop on exchange of experience between the Central Project Management Agency of Lithuania, the Managing Authority of the OP "Science and Education for Smart Growth" and the project managers for the construction and development of Centers of Excellence and Competence Centers
April 17, 2019

2. Workshop with experts from the Czech Republic on the topic "Commercialization and internationalization of the results of the projects for centers of excellence and centers of competence"
November 12-13, 2020

Interreg Europe
European Union | European Regional Development Fund

Support under the Interreg Europe

1. Working visit of experts in the field of scientific research and innovation from Belgium, Lithuania, Finland, France and the Czech Republic to provide support to the management teams of the Centers of Excellence and Competence Centers based on the existing experience in the other European regions - June 18 - 19, 2019

2. Partnership meeting with experts in the field of technology transfer from the Czech Republic, the Netherlands, Spain and Finland in relation to policies and activities for the transfer of knowledge and technology and the use of research infrastructure based on the existing experience in other European regions - 14 - 15 December 2021 Mr.

Co-funded by the European Union

PROGRAMME RESEARCH, INNOVATION AND DIGITALISATION FOR SMART TRANSFORMATION

Interreg Europe

Co-funded by the European Union

JASPERS: Review and advice on the preparation of Development and Sustainability Programs with Business Plans (DSPBP) for the CoEs and CoCs in Bulgaria

Main challenge: Ensure the quality of project proposals under PRIDST 2021-2027

Guidelines and a Template to help the Centers prepare DSPBP, based on JRC recommendations and requirements of PRIDST 2021-2027 (ERDF)

Technical assistance to review the DSPBPs prepared by the 16 + 3 Centers of Excellence and Centers of Competence

1. **Presentation of the Centre, mission, strategic objectives, short- and medium-term objectives and targets**
2. **Strategic/policy context**
3. **Business model and main activities**
4. **Research work program and related measures**
5. **Organization and governance**
6. **Financial analysis**
7. **Risk management plan**

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Interreg Europe

Co-funded by the European Union

Support from the European Regional and Development Fund

Science and Education for Smart Growth 2014-2020

215 mln. euro

16 CoEs & CoCs established	→ 19 CoEs & CoCs - operational
75 % - for research infrastructure	→ 25 % - for research infrastructure
25 % - for research activities	→ 75 % - for research activities
Building and development stage	→ Operational stage

Research, Innovation and Digitalization for Smart Transformation 2021-2027

168 mln. euro

Focus in 2021-2027:

- Improved Center capacity (personnel & equipment)
- Stronger industry collaboration
- Faster research-to-innovation path through tech transfer
- Technology transfer & commercialization
- Attracting young talent
- Promoting internationalization
- Reducing regional disparities

ISSS thematic areas:

- Informatics and ICT
- Mechatronics and microelectronics
- Healthy living industries, bioeconomy and biotechnology
- New technologies in creative and recreational industries
- Clean technologies, circular and low-carbon economy

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PROGRAMME RESEARCH, INNOVATION AND DIGITALISATION FOR SMART TRANSFORMATION

Interreg Europe

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Performance based funding of CoE & CoC 2021-2027

1. Direct staff costs + **2. A flat rate of 40 % of eligible direct staff costs to cover the remaining eligible costs**

Unit costs per month – Researchers R1-R4, Administrative Director, Innovation professionals

1. Check – conditions for reimbursement of the unit cost *(full-time or part-time employment contract, 1-page report)*

2. Check – A result parameter by which the specific results and indicators achieved are measured

2.1. Scientific publications Q1 – Q4 quartiles
- Q1 - 30
- Q2 - 10
- Q3 – 5
- Q4 - 2

2.2. Intellectual Property Protection and Cooperation
- International/EU/BG patent applications
- International/EU/BG utility model applications
- Contracts concluded with enterprises

2.3. Revenues – technology transfer agreements
- license agreements
- effective cooperation with enterprises
- research services to enterprises
- research or innovation projects and programs

2.4. Research and innovation personnel
- research staff (R3 or R4) for the first 3 months
- research staff (R1 or R2) for the entire period
- Innovation staff for the entire period

Direct staff costs = **Result Parameter x 1000 BGN**

The Result parameter is calculated and checked for each calendar year!

Plantasyst

UNITe

Clean & Circle

GATE


BRUKER
Elute
UHPLC

Co-funded by the European Union

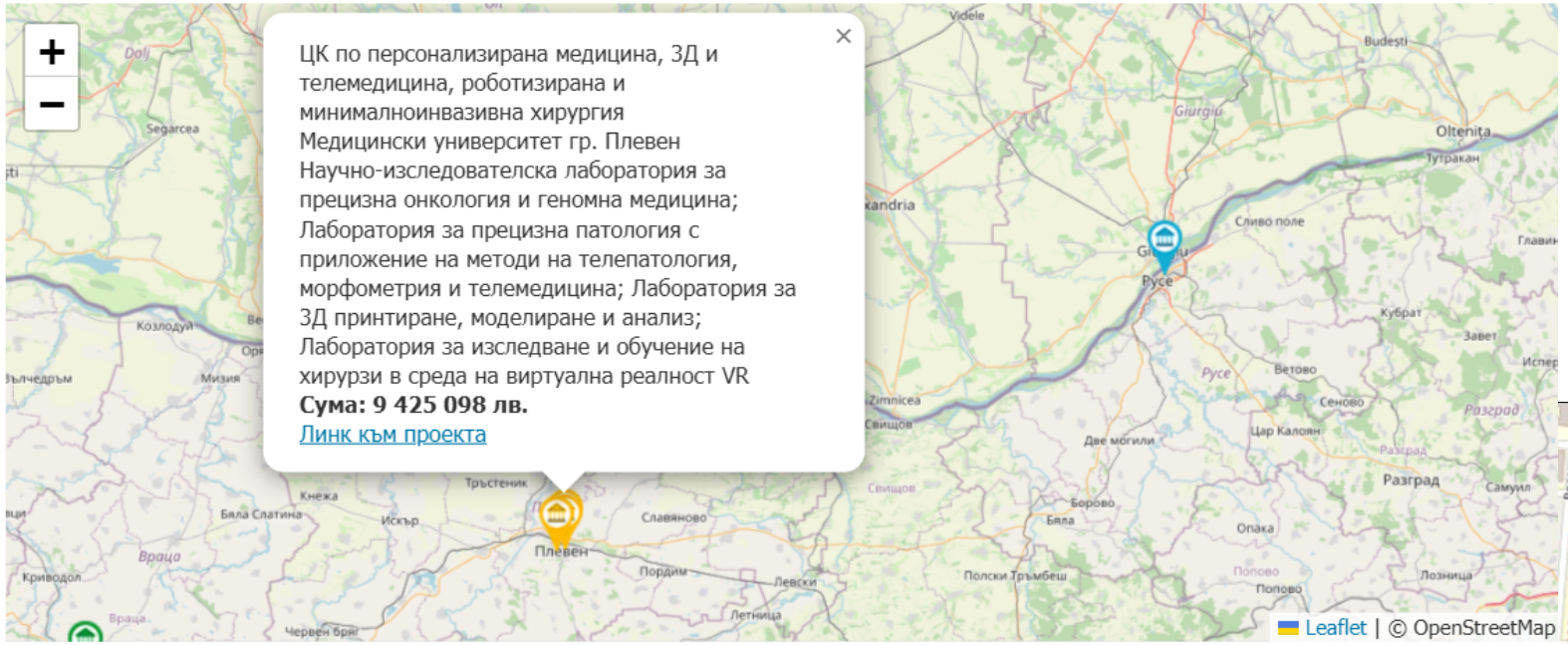
PROGRAMME
RESEARCH, INNOVATION AND DIGITALISATION FOR SMART TRANSFORMATION

Interreg Europe

Co-funded by the European Union

ЛЕГЕНДА

☑	Информатика и ИКТ	**Брой: 8 Сума: 75 214 972 лв.**
☑	Мехатроника и микроелектроника	**Брой: 30 Сума: 114 770 777 лв.**
☑	Индустрия за здравословен живот, биоикономика и биотехнологии	**Брой: 18 Сума: 111 010 909 лв.**
☑	Нови технологии в креативни и рекреативни индустрии	**Брой: 13 Сума: 12 496 428 лв.**
☑	Чисти технологии, кръгова и нисковъглеродна икономика	**Брой: 8 Сума: 18 340 208 лв.**



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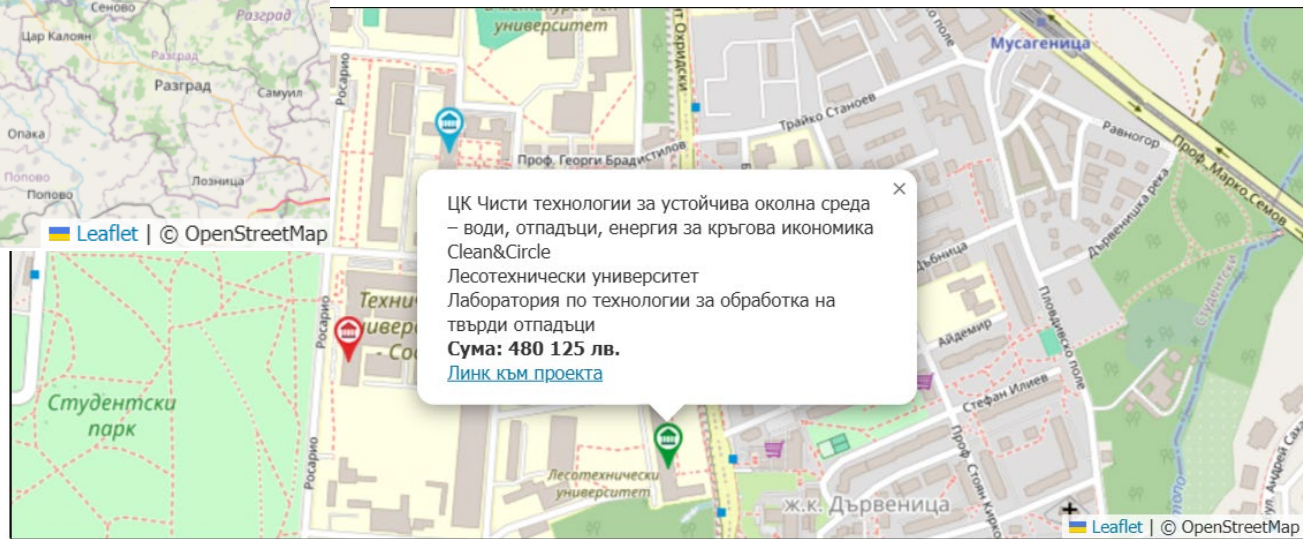

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http://opnoir.bg

https://sf.mon.bg

Working groups

Discuss with your colleagues at your table:

- What are the main challenges to establishing a center of competence in your region,

and

- what is the policy rationale for pursuing such an initiative?

Summarise 2 takeaways

Ivan Popov
Executive Director, Executive Agency "programme education", Ministry of Education and Science, Bulgaria.

How to finance research and innovation infrastructures?

Pannon Business Network - Hungary

Mission Statement

Pannon Business Network is a center for **applied research** and **training** to catalyze **added value manufacturing** and **digital care solutions**, by liaising industry and academia, enabling digital, sustainable, resilient business transformation.

Key Achievements on the Road

500+
international partners

110+
European research & cooperation projects

150+
serviced business customer

11
partner universities

36
full time engineers, economists, social scientists

No 1.
DIH in EU in 2020 by DIHNet consortium

500m²
laboratory space

30+
digitalization applications developed

1.000+
Citizens, SMEs trained on digitalization annually

CertUnion ISO 9001

at.home advanced treatment

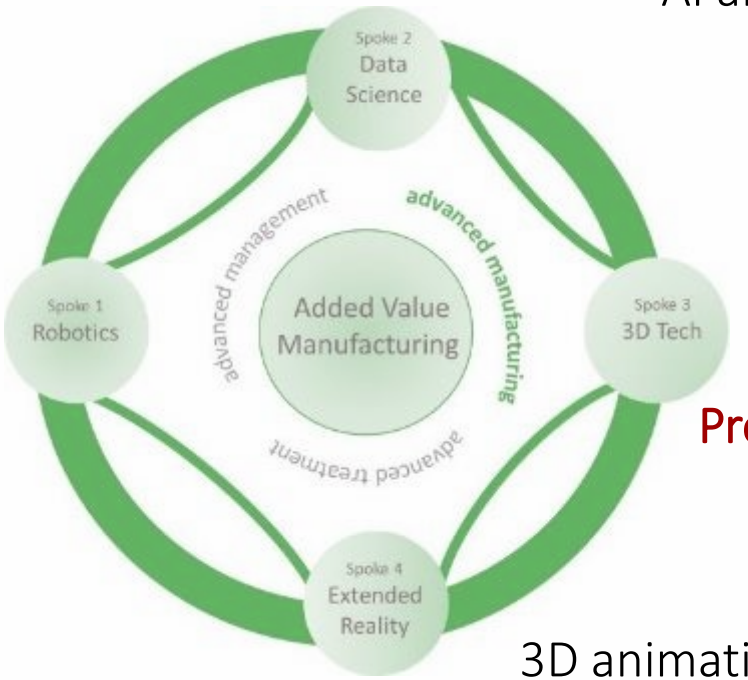
PBN advanced management

am-LAB advanced manufacturing

Technological key competence – 2018-2021

Data access and visualization
Segmentation/classification
AI algorithms

Collaborative robotics
Mobile robotics
Drones
Industrial robotics



3Dprinting
3Dscanning
Prototype development

3D animation
AR applications
Maintenance and Service functions

Technological key competence – 2022-2023

What do we do in Manufacturing – 2023-2024

Data to Knowledge

Data-display
Real-time, direct information in AR

Analytics
Anomaly detection in large datasets

MI stock
Flexible optimization of stock level

AR
Augmented reality for knowledge database

Grey to Green

Zero waste
Recycling module design, operation

Solar energy
Solar panel, batter operated system

AI-on-the-edge
Local solution with green application

Smooth Operator

Distributed
Integration of physically distant plants

Robotics
Customized gripper with complex application

Quality Control
Neural network-based image recognition

Mini Me

Digital mR Twin
Digital clone with remote operation

Digital Twin Platform
Open-source framework for fast customization

Controlling
Real-time financial monitoring

Senior Product Demo and Test Environment – 2021-2023

Multidevice

50 digital applications included with latest technology

Accredited

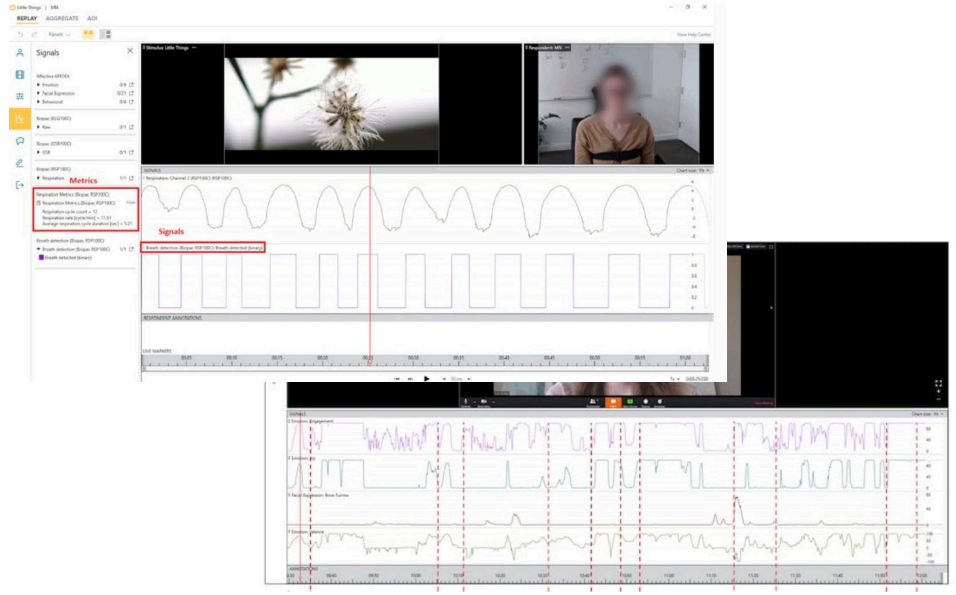
Only Hungarian Accredited Health Reference Site

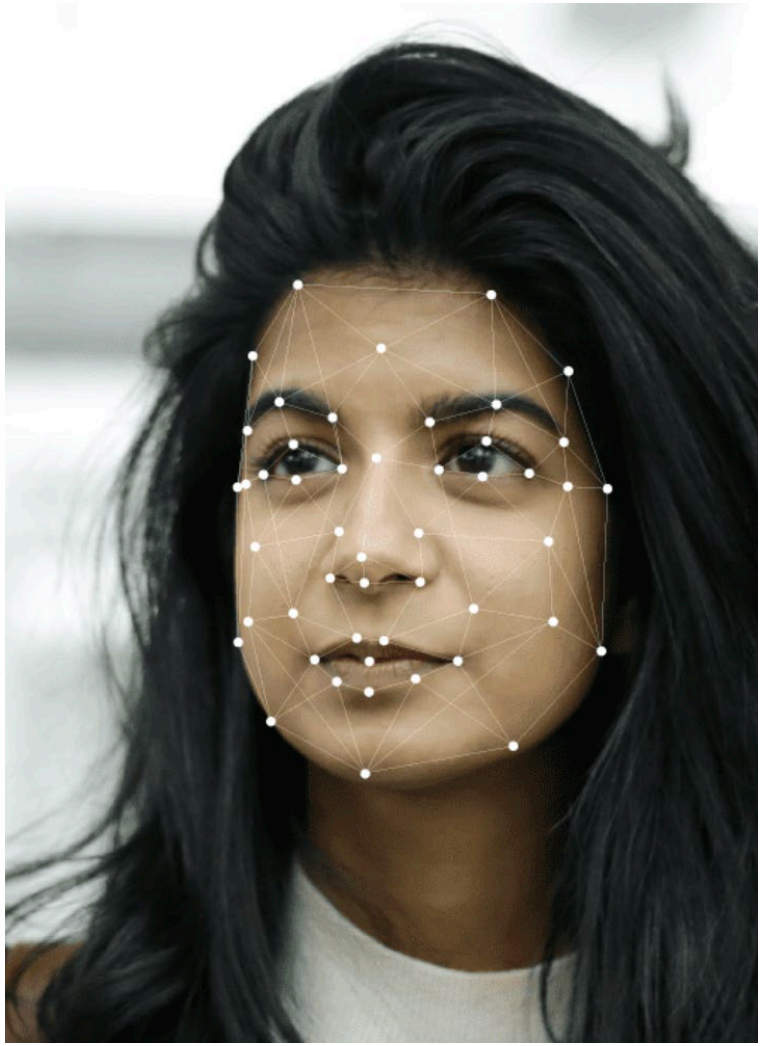
Connected

34 seniors in their own private households

Industry5.0 Devices for Emotion Detection

Facial Monitoring
Breathing Monitoring
EEG Monitoring

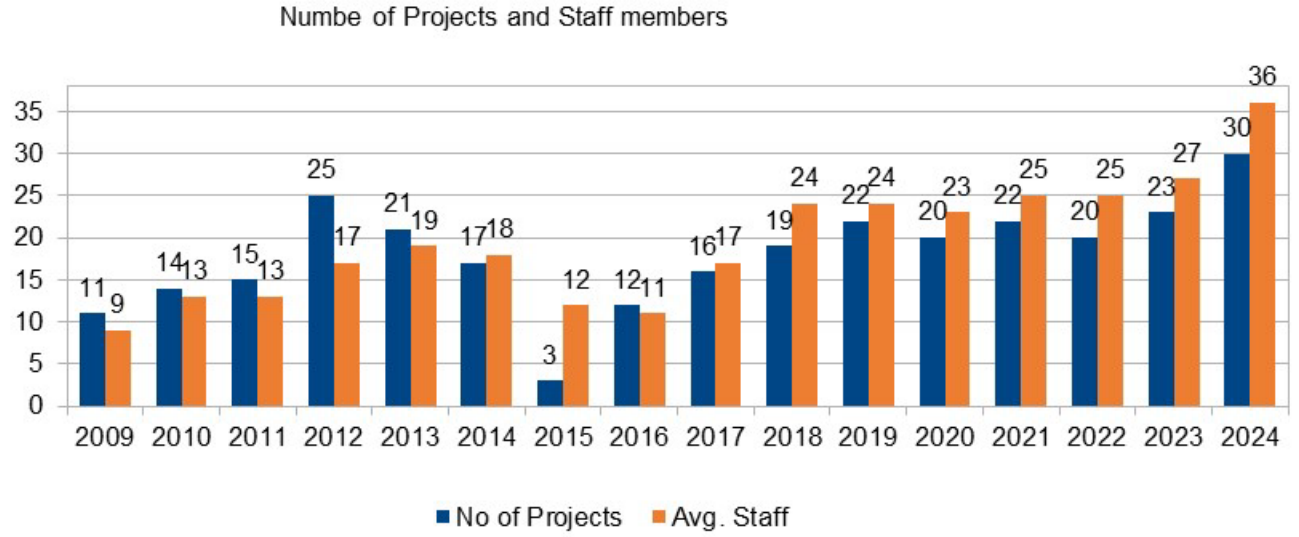




Financing

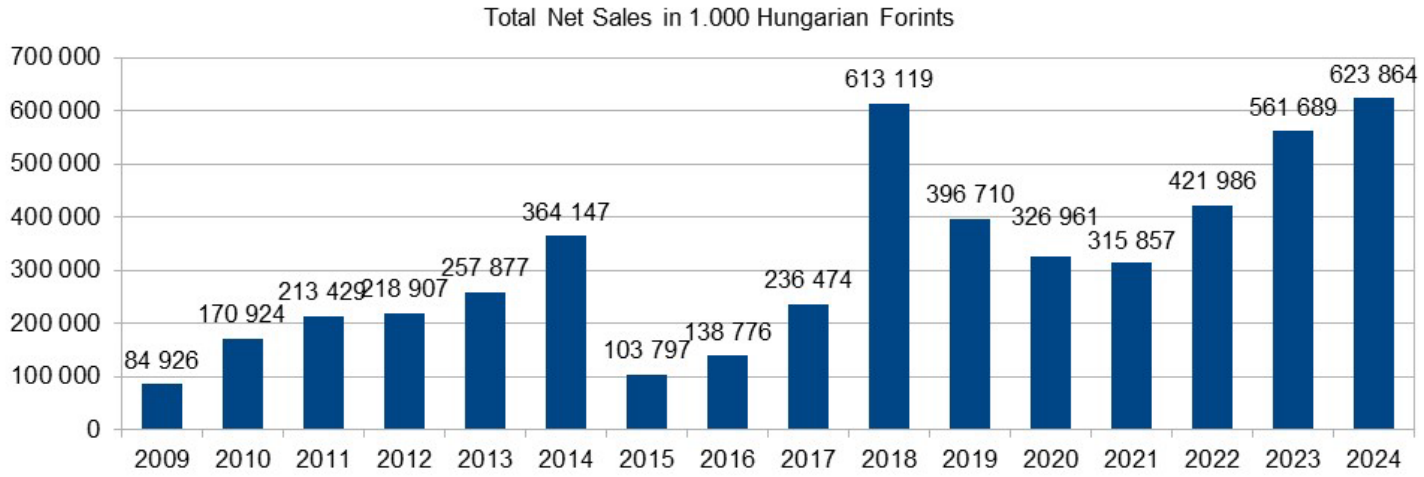
Challenges

Zero fix income
Fluctuation of projects
„Copycats" – innovation in verbality
Dependance on projects



Opportunities

Independence
Strategic approach due to 3-year perspective
Contract with 11 universities
Multifund funding
Constantly new impulses – ahead of others



Sources of International Financing

Interreg Europe

- Learning from all over Europe about cooperation with policy owners
- Cohesion building opportunity with local/national policy makers
- Possibility to pilot individual actions to support policy change

Interreg Europe — Co-funded by the European Union

SKALE2CT

Scope

Enhance resources of public & intermediary organizations **to improve Business Acceleration providers and services**, in particular it comes to **scale-up phase.**

Good Practice Example

‚Tarmac Incubator' from Grenoble to provide early-stage financing for start-ups

‚Call INNOV-ID – Early-stage VC investment' from Portugal to support financially spin-offs and early-stage startups

Policy instruments

Focusing on scaling-up services with I4.0 and AI component

Further connected cooperations

Interreg Europe — Co-funded by the European Union — NOTRE

Novel methods improving production innovation potential with examples of senior care-related solutions

Interreg Europe — Co-funded by the European Union — BEST DIH

Supporting digital transformation & cooperation between DIHs, adapting international good practices at local level

Interreg Europe — Co-funded by the European Union — 3F GREEN MODEL

Management and recycling of biowaste in the agri-food and forestry sector

Interreg Europe — Co-funded by the European Union — OD4GROWTH

Strengthening the availability and processing of Open Data

Interreg Europe — Co-funded by the European Union — UnicornQuest

Development of Local Ecosystems & Creation of Local Hubs – "Unicorn Forests" – to Retain Promising Companies in the Region

Interreg Europe — Co-funded by the European Union — KARMA

Waste management in the construction sector

Sources of International Financing

Active Assisted Living Programme

- Healthy ageing projects
- Tangible pilots, like MCI application

EIT programme

- Multiple thematic units – manufacturing, digital, health, water, climate, urban mobility, creative industries
- Operational, company-oriented projects, in a 1-year implementation phase, with international partners

eit Manufacturing Hub HUNGARY
Co-funded by the European Union

Stimulating innovation, in particular by linking research, business and education

conFacts

Vertical integration between Teaching and Learning Factories and related training materials

DIGI TWIN GREEN

Digital twin development and related training materials; Open call for manufacturing companies

MetaFold Academy

Modular training program in the field of advanced metal forming processes

Sources of International Financing

Interreg Danube

- Thematic priorities for macro-regional know-how transfer
- Important of Danube Strategy, as a framework for developing ideas and partnerships

Interreg Danube Region — Co-funded by the European Union — BrAIn

Promotion of artificial intelligence for SMEs

Interreg Danube Region — Co-funded by the European Union — IaaS 4 DR

Innovation as a service to reduce regional economic and social disparities

Interreg Danube Region — Co-funded by the European Union — SpinIT

Boosting S3 and encouraging Spinoffs in IT

Interreg Danube Region — Co-funded by the European Union — DECORATOR

Danubians Cradle-to-Cradle Architecture and construction processes

Interreg Danube Region — Co-funded by the European Union — WE.Circular

Boosting digital and industrial capacity of women entrepreneurs

Interreg Danube Region — Co-funded by the European Union — RurALL

Improving rural areas for managing the depopulation of rural areas

Interreg Danube Region — Co-funded by the European Union — HUMANoid

Humanoid Robotics Integration and Innovation

Sources of International Financing

Interreg Central Europe

- Macro-regional cooperation
- Vienna-led programme
- Intermediate between policy focus on Interreg Europe and operative cross-border programmes

Interreg CENTRAL EUROPE — Co-funded by the European Union — SMERF

Offering smaller companies guidance on working with innomediaries

Interreg CENTRAL EUROPE — Co-funded by the European Union — Drive2Transform

The aim is to facilitate the transformation of the automotive industry in Central Europe

Interreg CENTRAL EUROPE — Co-funded by the European Union — SMART CIRCUIT

Enabling smarter, circular, digital innovation hubs to enhance manufacturing eco-system

Interreg CENTRAL EUROPE — Co-funded by the European Union — RehAllianCE

Optimizing usage of new technologies in rehabilitation to improve life quality of inhabitants

Interreg CENTRAL EUROPE — Co-funded by the European Union — Digi-B-Well

Enhancement of capacities for digital era-fit management, achievement of digital wellbeing

Interreg CENTRAL EUROPE — Co-funded by the European Union — 3P4SSE

Strengthening weak economic sectors by promoting territorial clusters of social and solidarity economies

Sources of International Financing

Interreg Cross-Border

- Operational projects, for us mostly in Austria-Hungary
- Actions like cross-border DIH with joint service portfolio
- Currently aiming at cross-border research center

Interreg AUSTRIA-HUNGARY — Co-funded by the European Union

eTOM AT-HU
A COMPETENT BORDER REGION

Using creative pedagogical tools at different levels of education to develop skills in an interdisciplinary way

Horizon and FP10 programme

- Cooperation with the most advanced technological leaders in Europe
- Cascade funding tool is essential for company implementation
- Highly competitive

AI REDGIO 5.0

Enabling competitive AI-at-the-Edge digital transformation of Industry 5.0 Manufacturing SMEs. 2 rounds of open call for SMEs

AIRISE

Supporting European SMEs in the uptake of Artificial Intelligence applied to manufacturing, with a specific focus on the use of AI-enabled applications at the edge

Sources of International Financing

Erasmus

- Key for universities and training organizations
- Also import tool for intermediary and RTOs

Circe SKILLS FOR FUTURE PEOPLE

Development of a curriculum and digital platform on circular design for students and teachers in the VET system

IPR SC IPR4SC

Co-funded by the European Union

Developing skills in Intellectual Property Rights open data for sustainability and circularity

UNIDO

- Development programmes coordinated by the UN in Vienna
- Both as service provider and beneficiary position
- Low level of Central and Eastern European involvement

World Bank

- Opportunity both as supplier and beneficiary

Private Foundations

- Dominantly German, Swiss and Nordic countries

University Partnerships

Dual Education

- Both undergraduate and graduate
- 2 years scholarships, with fixed salary

Thesis Writing

- Development programmes coordinated by the UN in Vienna
- Both as service provider and beneficiary position
- Low level of Central and Eastern European involvement

Practice Location

- 4 weeks to 6 months periods
- Scholarships paid to students

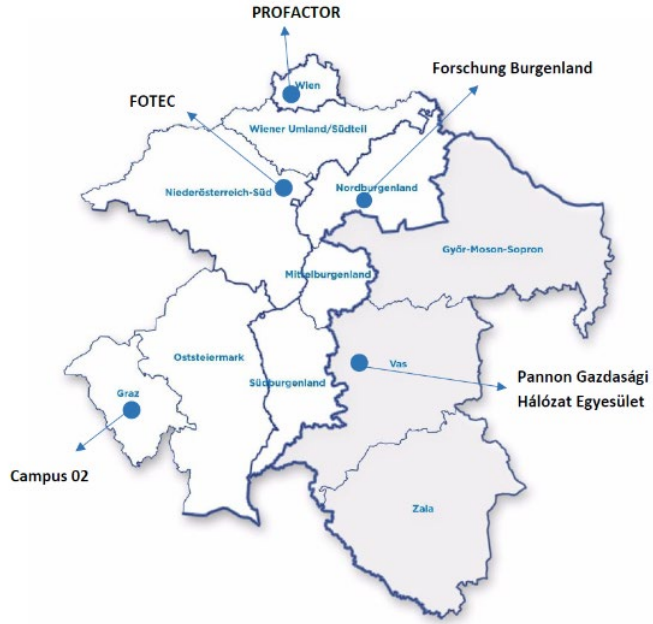
Case Study Partnership

- 4-6 months with dedicated thematic areas

PhD programmes

- 3 months to 3 years
- Joint research fields

Innovation Vouchers



Concept

Objective to introduce new technologies, solutions or market access
Companies and/or RTOs apply together for dedicated applied development
Short term projects with quick funding schemes

Experience

First one in 2010 in Central Europe programme – Centrope_TT keep.eu/projects/5487/Tools-for-Transnational-Inno-EN/

- SME innovation support across the borders

Recent one in Austria-Hungary in 2019 – IMPROVE! https://www.interreg-athu.eu/en/improve/

- Joint digital services for companies from the border region – like new CGI commercial, 3Dprinted test bodies

Current one in Central Europe programme – RehAllianCE https://www.interreg-central.eu/projects/rehalliance/

- Testing new products and services in the rehabilitation area

Start-up Ecosystem

Concept based on experience

Identify potential collaborators from the quadruple helix members
Define common goals, elaborate together, sign up for the joint implementation
Build a broad partnership around, with citizen involvement
Always communicate
Importance of the Ambassador/Change Agent
Focus on low hanging fruits
Be patient and persistent over time
Focus on niche, due to lack of economies of scale

Thank you for your attention.

www.pbn.hu
www.am-lab.hu
www.at-home.hu

Working groups

Discuss with your colleagues at your table:

- What are the main challenges for funding innovation infrastructures,

and

- what is the policy rationale for pursuing such an initiative?

Summarise 2 takeaways

Balázs Barta
Founder, managing director – am-LAB, Hungary – SKALE2CT project

The good ingredients – part II: placed-based policies, innovation vouchers and competitions for university-industry collaboration

Zdeněk Hušek
Ústí Region, Czech Republic – RATIO project

Nicola Doppio
Open Innovation Officer at HIT - Hub Innovazione Trentino, Trento, Italy

Innovation Vouchers for university-industry collaboration

Zdeněk Hušek

19.11.2024

Zdenek Hušek, Usti region

Regional Innovation strategy (RIS3) manager, Usti region authority

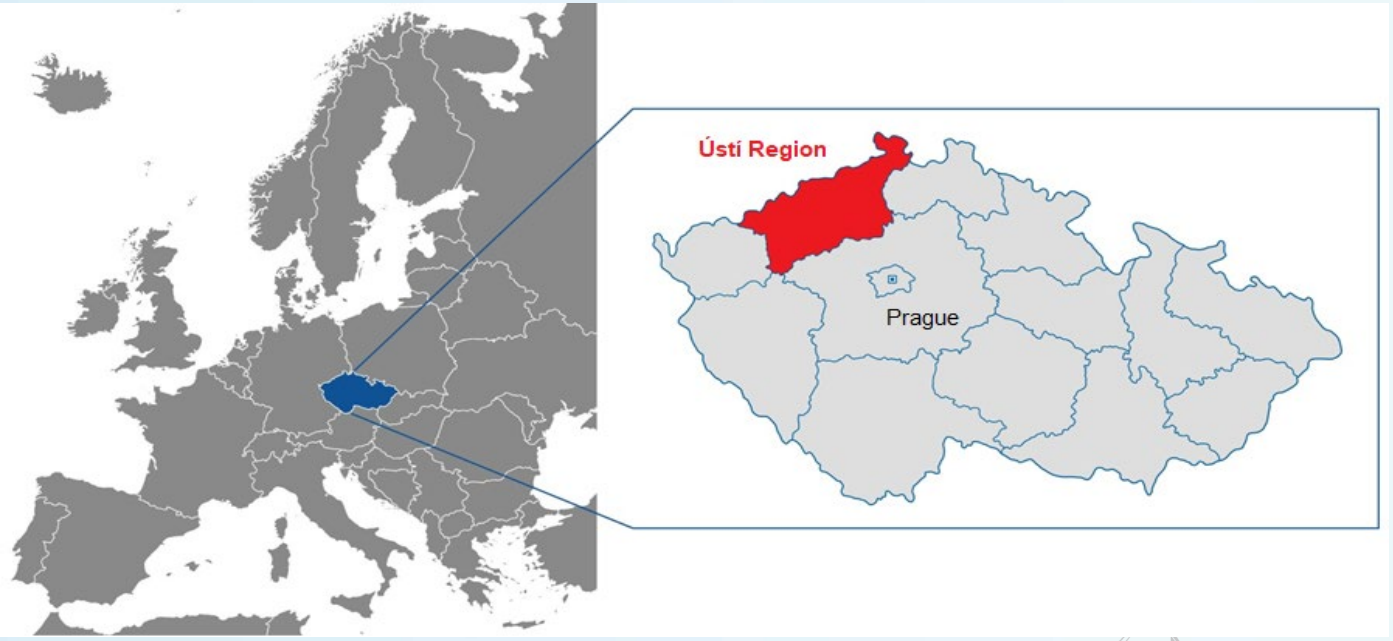
Team leader Smart Accelerator (RIS3 implementation) – Innovation centre Usti region

Industrial transformation

(chemistry, energy, automotive)

800 000 inhabitants

Challnge in lack of high skilled



European Commission

Industry needs – EBN analysis

- Access to finance, 85 % of incubator tenants
- Company acceleration, 69 %
- Access to markets (especially B2B), 65 %
- Internationalization (access to foreign market), 63 %
- Access to open innovations (Universities),56 %
- HR services, 55 %
- Cooperation with corporates, 55 %

Innovation vouchers - design

Description: small grant for business development, digitization, product development, testing,

Scale: 20 th. EUR, 40 th.EUR innovations

Resources: Just Transition Funds/regional

Provider: Regional authority

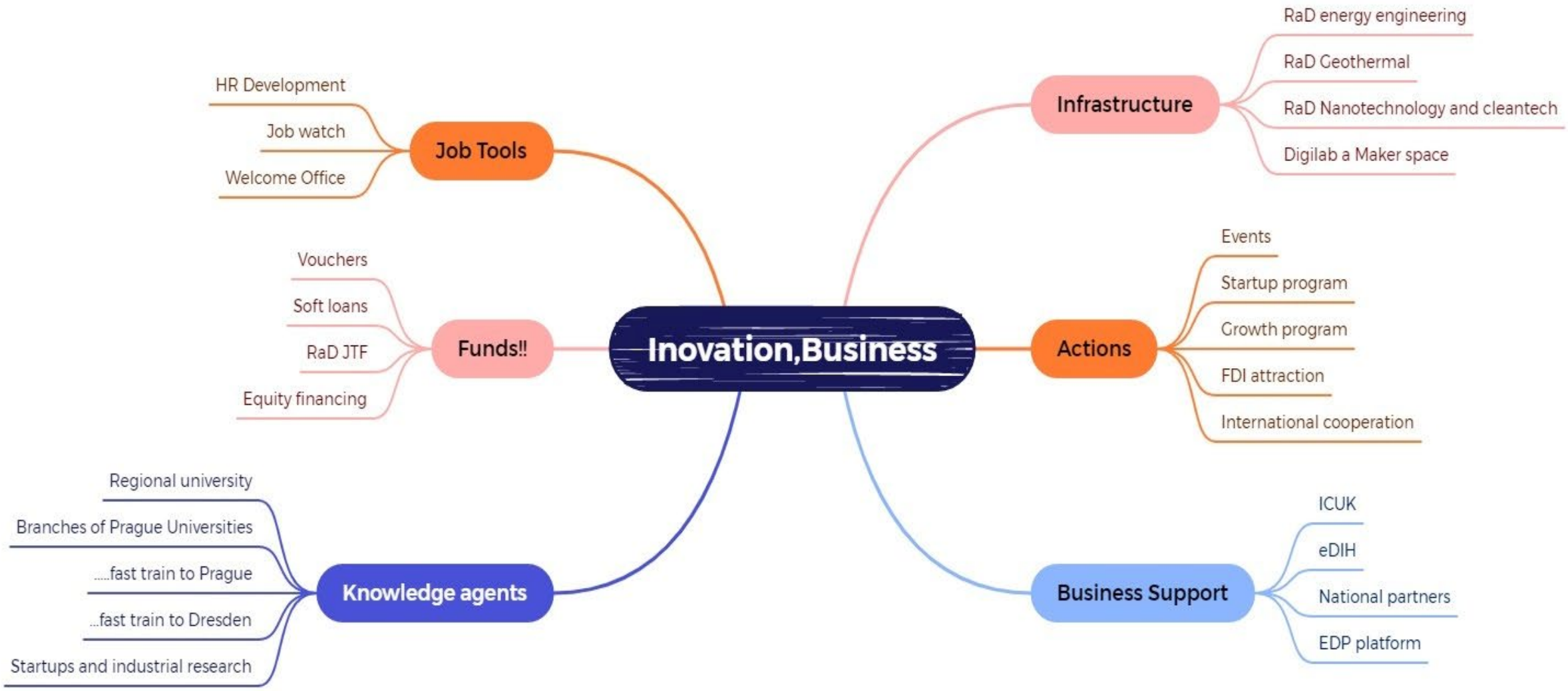
Target: leveraging of cooperation in future (bigger!) projects!

European Commission

Innovation vouchers – design recommendations

- Voucher must be part of ecosystem, not isolated action!
- There must be some ecosystem orchestrator (Innovation agency, technology transfer centre) who promote vouchers in „context".
- Active selling! Promotion, marketing, key account management
- Also voucher is an innovation (early adopters' approach).
- Simple evaluation!
- Impact evaluation (World bank)

Innovation ecosystem model – role of vouchers?



Financing „one stop shop"! Role of vouchers

- RaD Grants (national and European level)
- Technology incubation (Czechinvest), startup grant
- Soft loans (10year, 0 % interest rate),
  - National Development Bank/JTF
- Semiprivate capital (equity funds co funded by EIB/EIF)
- Private capital (venture capital, corporates, business angels)

European Commission

New initiative/vouchers

- Proof of concept grant (pre seed financing for RaD and spin offs), technical and market evaluation of promising technology.
- Scholarships for startups and spinoffs founders (students,

  PhD, academic staff, start uppers),

  one year, before company founding.

European Commission

Policy recommendations

- Combination of grants and returnable financial tools
- Combination of resources (one stop shop approach)
- Covering different stages in company life (pre seed, seed, growth, A and B level of financing)
- Covering different level in Innovation process (TRL – technology readiness level)

European Commission

Usti region – open for new challenges!

European Commission

husek@icuk.cz, www.icuk.cz

Working groups

Discuss with your colleagues at your table:

- What are the main challenges for having innovation vouchers in your region,

and

- what is the policy rationale for pursuing such an initiative?

Summarise 2 takeaways

Zdeněk Hušek
Ústí Region, Czech Republic – RATIO project

HUB
INNOVAZIONE
TRENTINO

Challenge competitions for university-industry collaboration

Nicola Doppio
Skopje, 19 November 2024

WWW.TRENTINOINNOVATION.EU

Fostering innovation via tech & knowledge transfer

PROVINCIA AUTONOMA DI TRENTO

UNIVERSITÀ DI TRENTO

- Ranked 1st in the Censis ranking 2024-2025 in the category of medium sized universities
- Ranked 1st for the quality of scientific outputs in its category by ANVUR Research Quality Assessment (VQR)
- Worldwide ranking 198 (Times Higher Education - 2016)

TRENTINOSVILUPPO
IMPRESA INNOVAZIONE MARKETING TERRITORIALE

- Local economic development agency
- 6 incubators
- 120.000 m3 of spaces

FONDAZIONE BRUNO KESSLER

- Over 350 researchers
- 3 scientific & tech areas: ICT, Materials & Microsystems, Theoretical Physics
- Excellence in data analytics, semantics, cybersecurity, graphene

FONDAZIONE EDMUND MACH

- Combining together research, training, experimentation, consultancy and services in the environment and agri-food sectors
- *FEM ranking in Italy #1 Chemistry, #1 Agriculture, #4 Biology*
- Full genome sequences: grape, apple, strawberry, small fruits; olive, citrus (ongoing)

HUB INNOVAZIONE TRENTINO

Action areas

1. TECH TRANSFER & OPEN INNOVATION

2. NEW BUSINESS CREATION

3. INNOVATION ECOSYSTEMS

eit Manufacturing

eit RawMaterials

eit Food

eit Digital

eit Climate-KIC

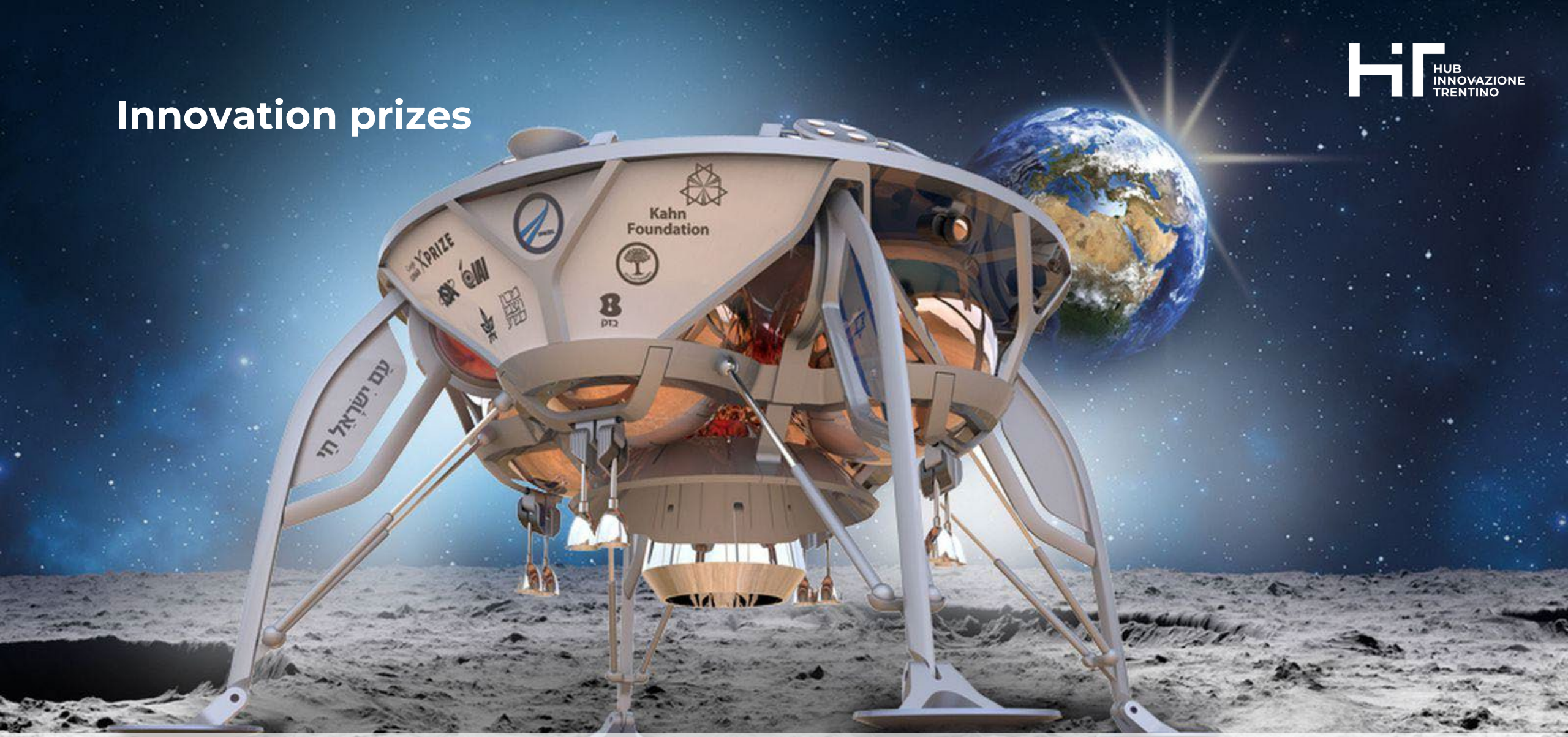
EUSALP
EU STRATEGY FOR THE ALPINE REGION

VANGUARD INITIATIVE
New growth through smart specialisation

Interreg
Alpine Space

HUB INNOVAZIONE TRENTINO

Innovation prizes



LONGITUDE PRIZE

Google LUNAR XPRIZE

مؤسسة دبي للمستقبل
DUBAI FUTURE FOUNDATION

Challenge.gov
Government Challenges, Your Solutions

Innovation Challenge

Companies & PA
Bring challenges (problems or opportunities) related with the innovation of products, services or processes

Young talents
MSc students, PhD students, organized in teams acting as "solvers"

Domain experts
Science, technology or industry experts providing mentorship to solvers

Open Innovation Activities
- Problem analysis
- Co-creation of solutions
- Use of specific technology or method
- Multidisciplinary teamwork
- Short time frame (e.g. 3 months)
- Tangible and exploitable results
- Sound IPR policy
- Prizes / awards

1. Innovations
Prototypes / PoC solutions to industrial problems

2. Capabilities
Improved knowledge and awareness of key enabling technology

HUB INNOVAZIONE TRENTINO

User-centered design

HUB INNOVAZIONE TRENTINO

UX CHALLENGE

UNIVERSITÀ DI TRENTO

FONDAZIONE BRUNO KESSLER

TRENTINOSVILUPPO

CONFINDUSTRIA TRENTO

ARTIGIANELLI

lab Trento

DIH

architecta

UX bookclub DOLOMITI

UX Challenge outputs

invision

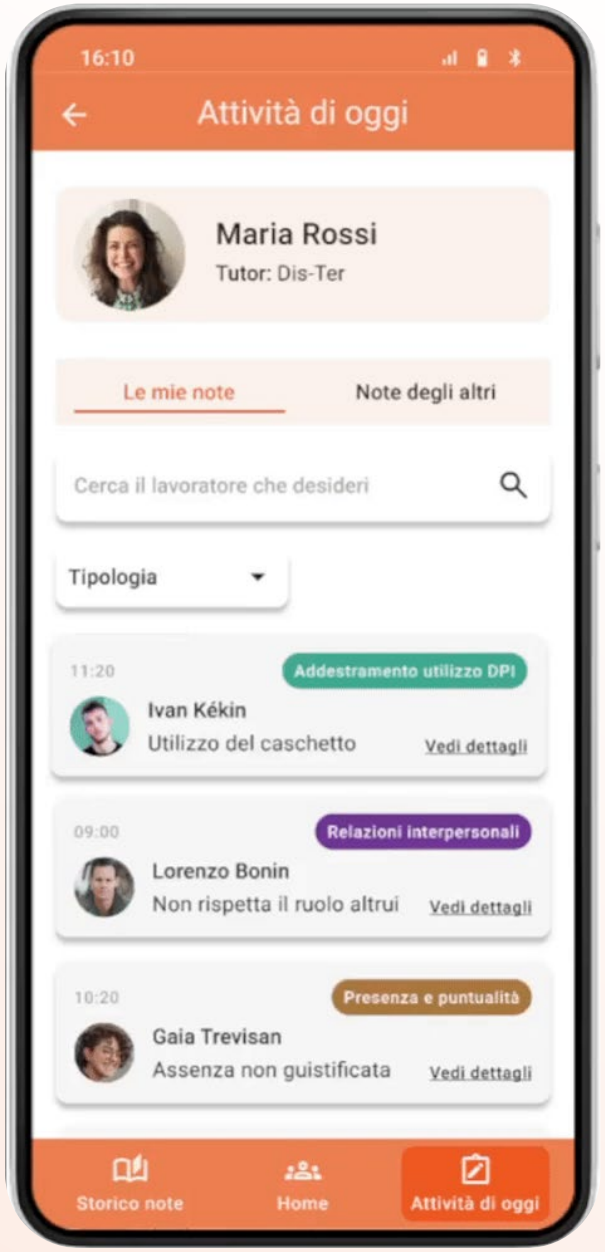
Figma

Sketch

Xd

axure

Marvel



UX CHALLENGE

HUB INNOVAZIONE TRENTINO

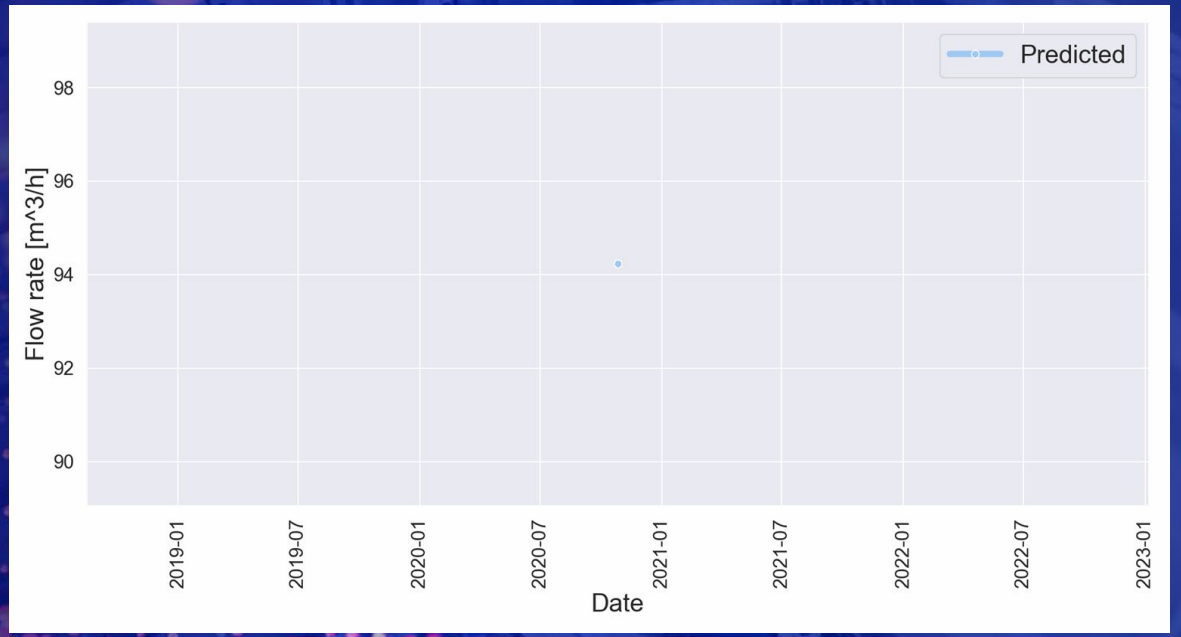
Final events

HUB INNOVAZIONE TRENTINO


INDUSTRIAL
AI CHALLENGE
HUB
INNOVAZIONE
TRENTINO
Industrial
AI Challenge
Artificial intelligence applied to
industrial challenges
APPLY BY 19 SEPTEMBER h 12.00

INDUSTRIAL
AI CHALLENGE

HUB INNOVAZIONE TRENTINO

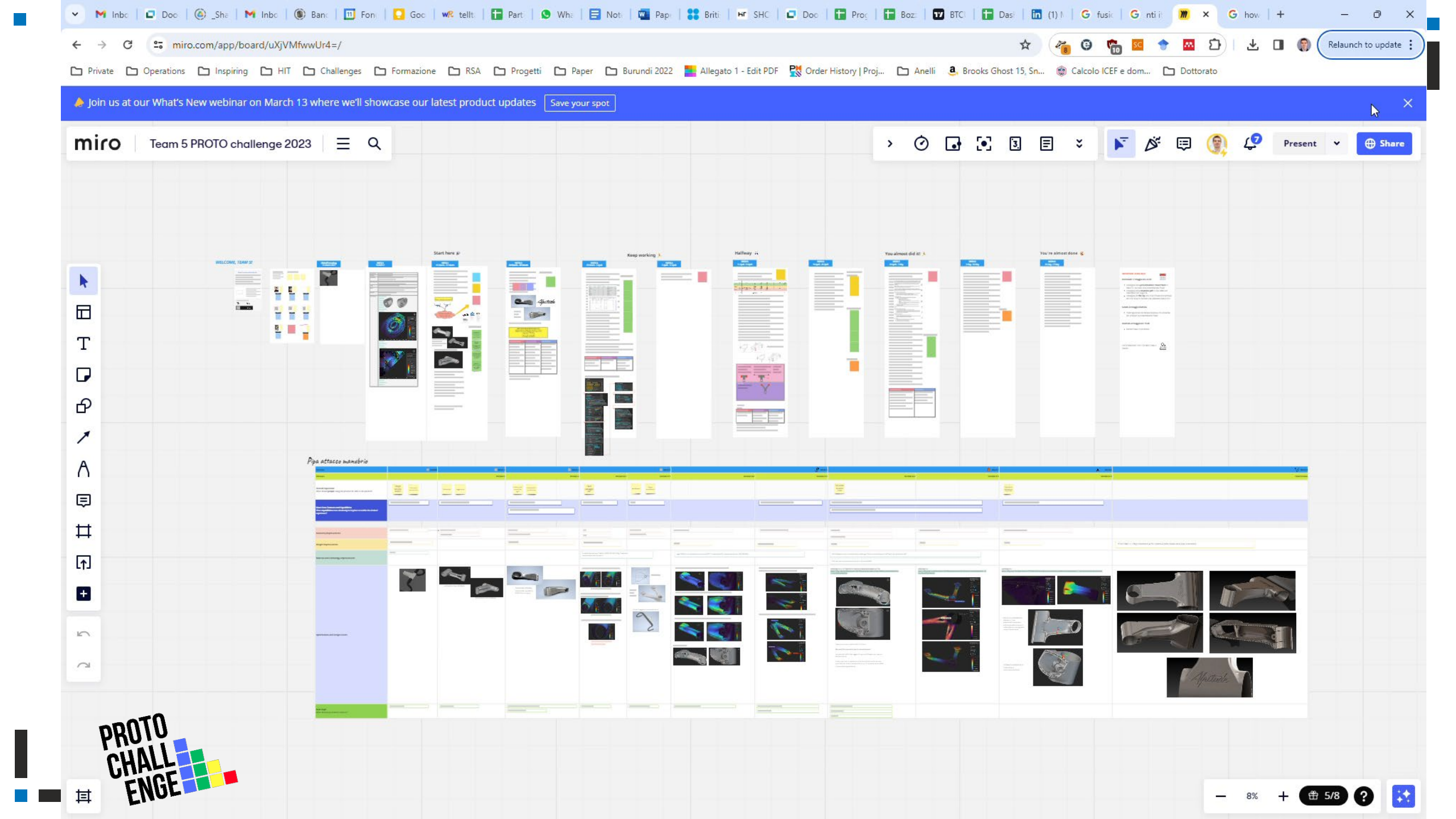


Predicting inflow of rainwater in water treatment plants allows to switch off oxygenator machineries

Adapted **DMLC XGBoost** model integrating plant sensor data with weather data (4-year time series)

4%

Reduction of operating costs of oxigenators


miro.com/app/board/uXjVMfwwUr4=/
Relaunch to update
Private
Operations
Inspiring
HIT
Challenges
Formazione
RSA
Progetti
Paper
Burundi 2022
Allegato 1 - Edit PDF
Order History | Proj...
Anelli
Brooks Ghost 15, Sn...
Calcolo ICEF e dom...
Dottorato
Join us at our What's New webinar on March 13 where we'll showcase our latest product updates
Save your spot
miro
Team 5 PROTO challenge 2023
Present
Share
Pipa attacco manubrio
PROTO CHALL ENGE
8%
5/8

Available formats

Improvement and innovation of the User Experience with Design Thinking and User-Centered Design methods

Process optimization and resolution of industrial challenges with Management Engineering methods

Topological and structural optimization and mechanical redesign to maximize the benefits of Additive Manufacturing

Development of PoC – Proof of Concept plans for biotechnological solutions for the biomedical sector

Development of data science and Artificial Intelligence solutions to industrial challenges

Creation of technological solutions and PoC – Proof of Concept for Vascular Surgery

Data science and Artificial Intelligence solutions to challenges form Public Administrations

Resolution of industrial challenges with applied and experimental physics methods

100+ supported companies and PAs

UX CHALLENGE

PROTO CHALLENGE

INDUSTRIAL AI CHALLENGE

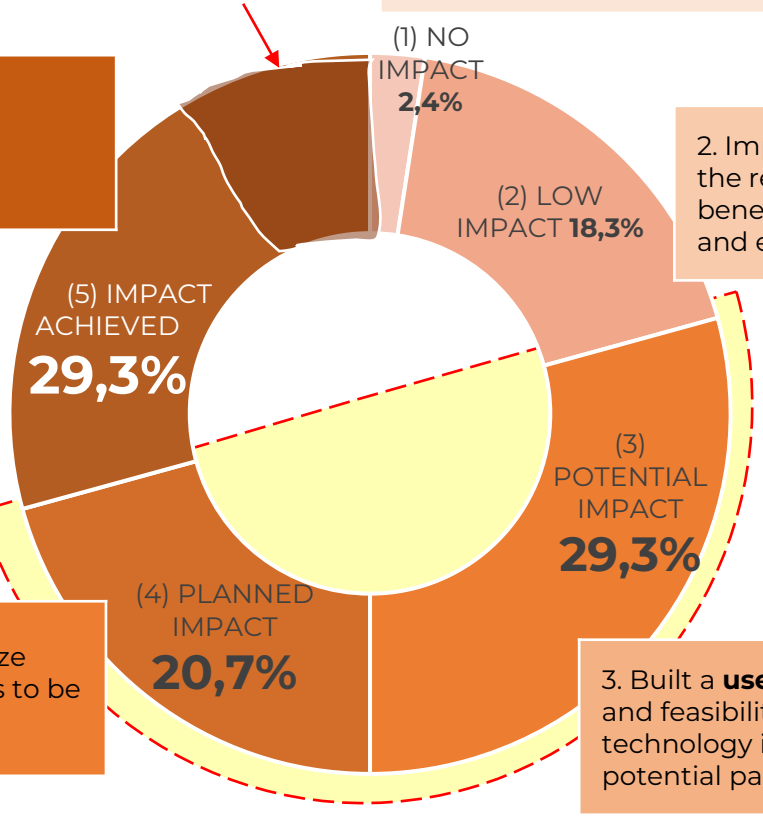
PUBLIC AI CHALLENGE

HUB INNOVAZIONE TRENTINO

Challenge impact

11% follow up with researchers

1. **Did not succeed** in gathering viable results (related to product and capability); no impacts foreseen.



2. Improved **knowledge and awareness** about the relevance of the problem and potential benefits and feasibility of technologial solutions and entered in touch with potential partners.

3. Built a **use case** that validates the benefits and feasibility of applying / integrating a technology in own business, with the support of potential partners.

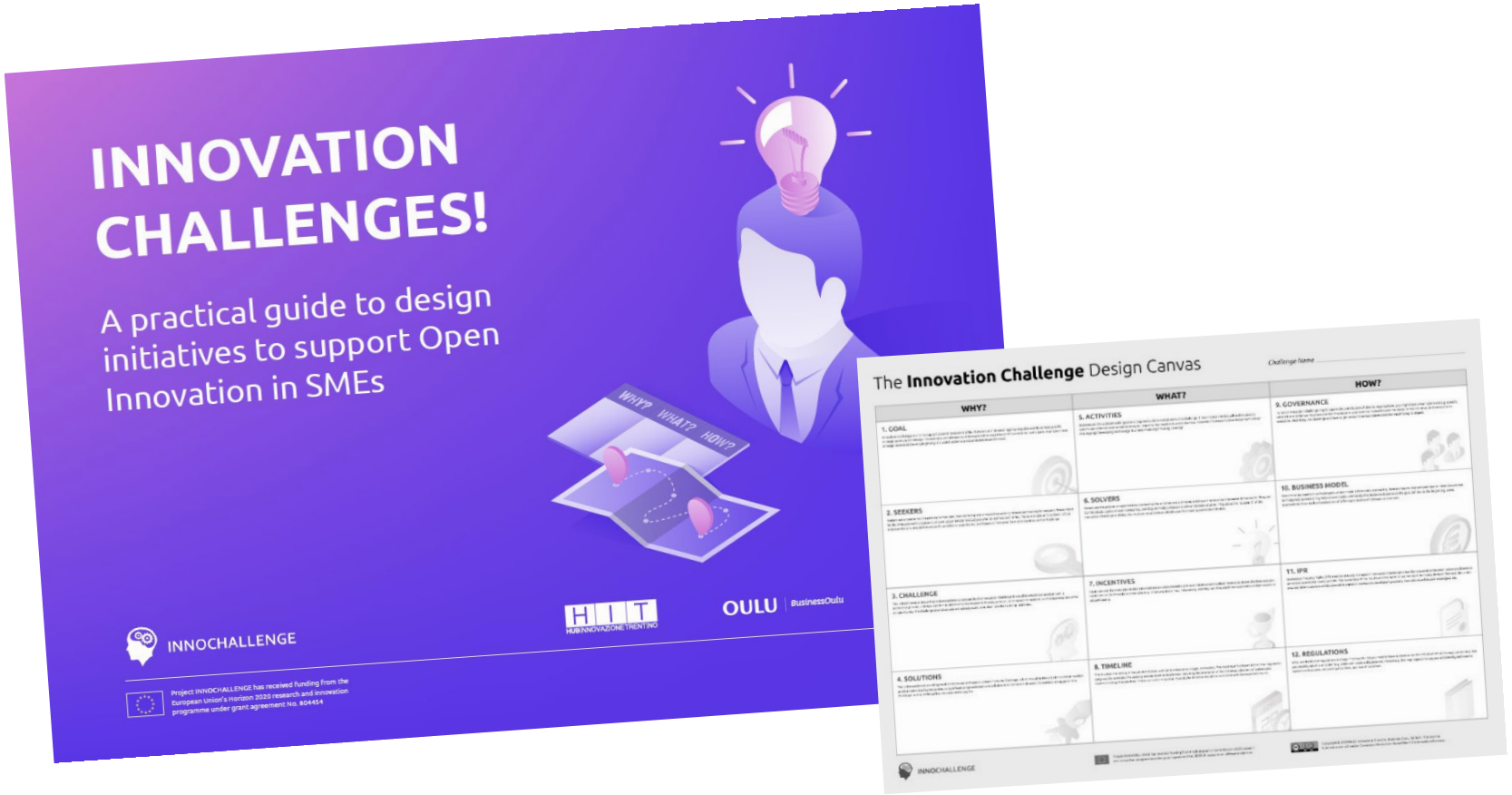
4. Has the **intention** to mature / industrialize outputs, but plans / investments still needs to be approved / launched

5. Have **invested** to mature / industrialize outputs

50% need follow-up support

HUB INNOVAZIONE TRENTINO

Innovation Challenge Design Canvas



INNOCHALLENGE

www.innochallenge-project.eu

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 804454

OULU BUSINESSOULU TAL TECH HUB INNOVAZIONE TRENTINO

Working groups

Discuss with your colleagues at your table:

- What are the main challenges for having an open innovation challenge,

and

- what is the policy rationale for pursuing such an initiative?

Summarise 2 takeaways

Nicola Doppio
Open Innovation Officer at HIT - Hub Innovazione Trentino, Trento, Italy

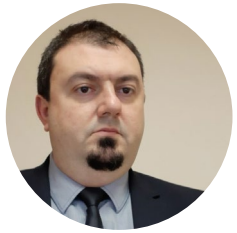
Policy Design

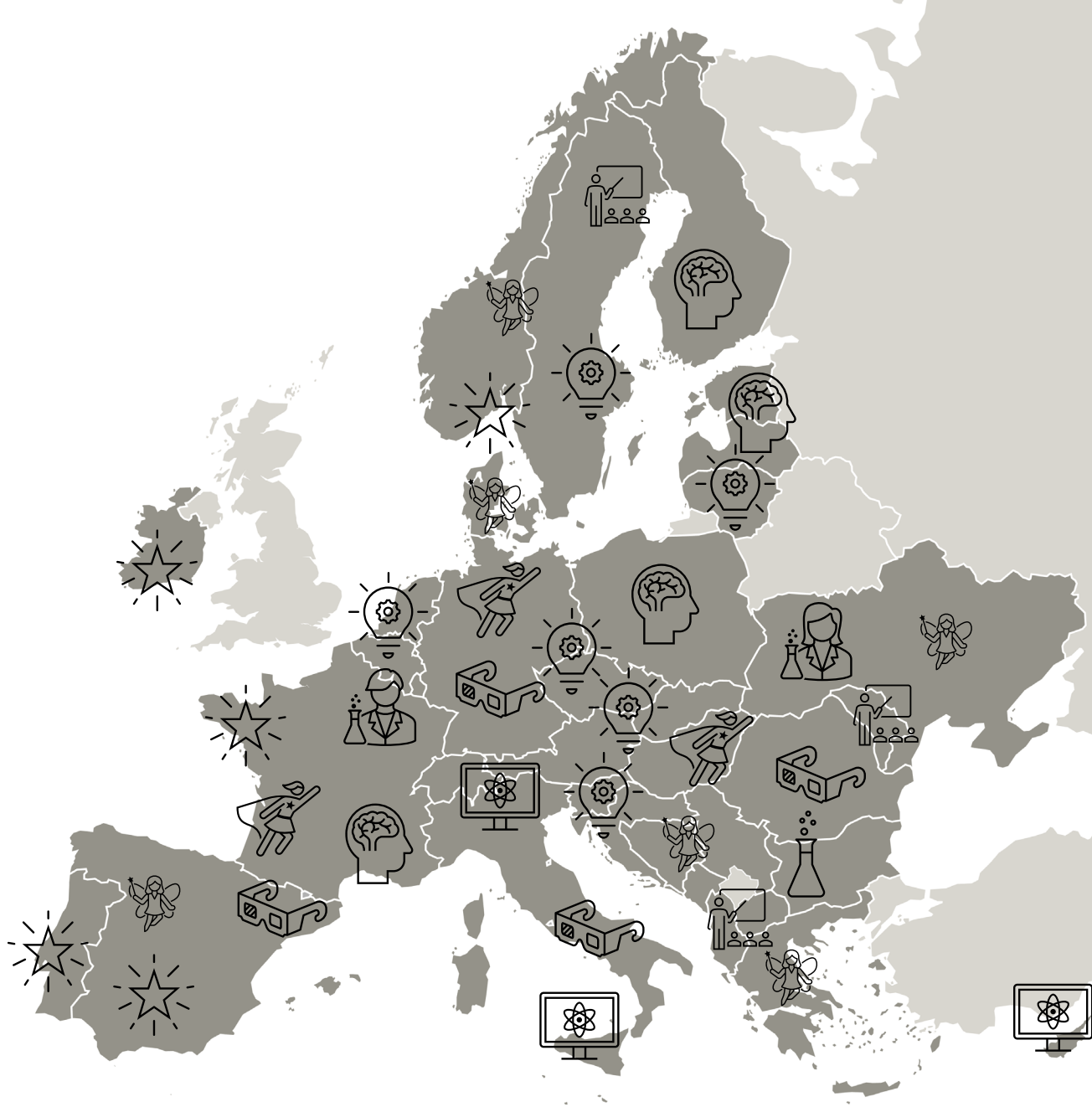
Marc Pattinson
Thematic Expert – Smarter Europe
Policy Learning Platform

Innovation vouchers

Arnault Morisson
Thematic Expert – Smarter Europe
Policy Learning Platform

Hackathons





What are Innovation Vouchers?

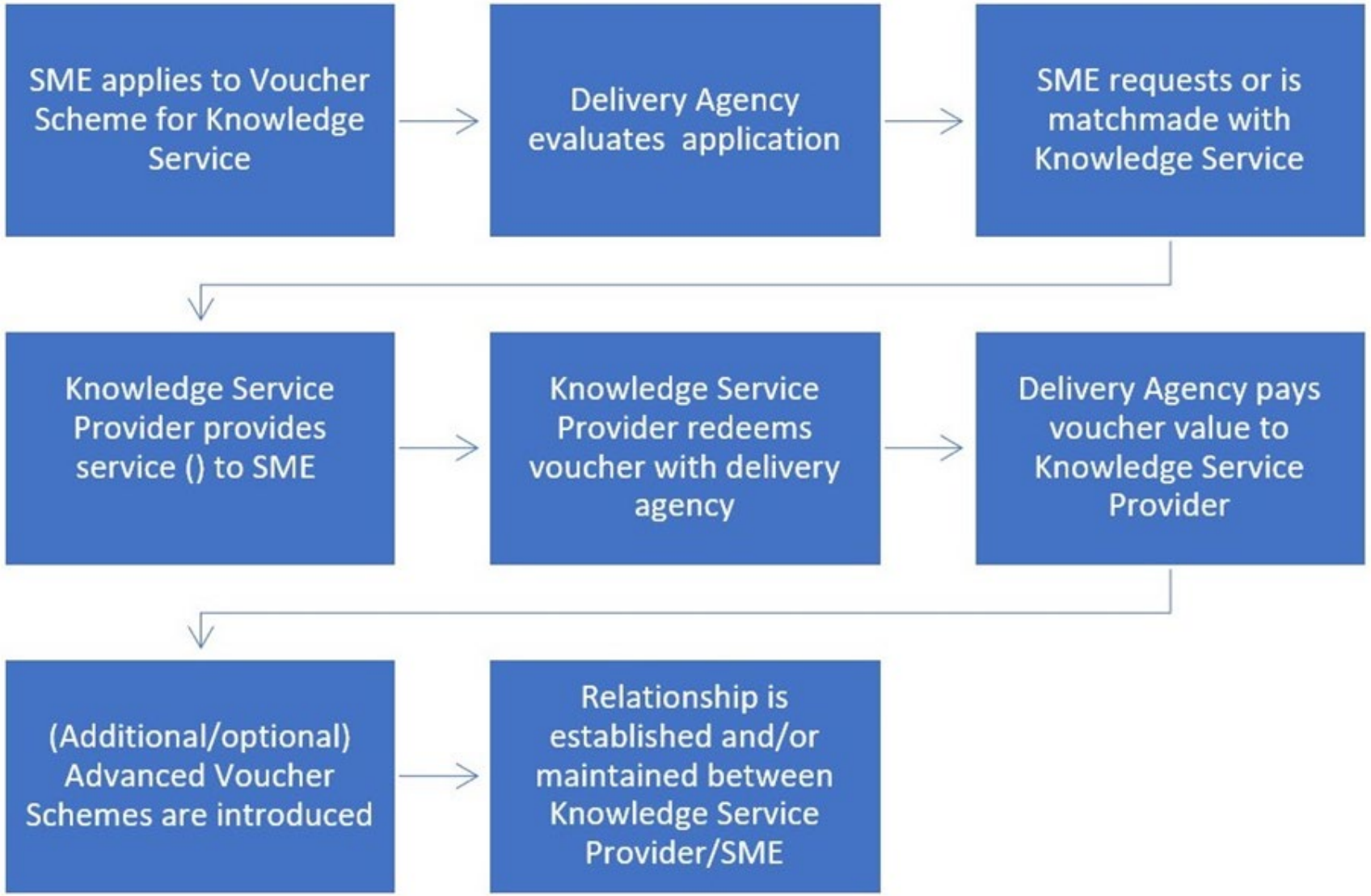
Innovation vouchers are small lines of credit (usually ranging from €2,000 to €20,000) provided by regional or national governments to Small- and Medium-sized Enterprises (SMEs) to purchase services from knowledge providers such as universities, research centres, or consulting firms with a view to introducing new products, processes, or services in their business operations.

Innovation vouchers have three main objectives:

- To stimulate the introduction of product, process, organisational or service innovation in SMEs,
- To promote university-industry collaboration and stimulate knowledge transfer.
- To foster the formation of networks between SMEs and other academic, research and private partners.

Voucher schemes: implementing innovation vouchers

The main stages of an innovation voucher



What are hackathons and challenge prizes?

SMART

Hackathons (short-term) and/or inducement prizes are flexible policy tools that can engage a broad audience and diverse groups of actors and sponsors to deliver solutions to challenges thanks to its low barriers of entry. The main objectives of innovation inducement prizes are to orient research efforts and to incentivize the creation of a desired technology.

Policymakers can introduce innovation inducement prizes or hackathons with a **challenge-oriented approach to solve regional societal challenges.**

Innovation Inducement Prizes: small steps to transformative changes

Amsterdam startup in residence

Startup
in Residence

"Mini-missions"

Startup ecosystems

6-month co-creation

The City as (eventual) "launching customer" at the end of the process through public procurement

How to design hackathons and challenge prizes?

Hackathons and challenge prizes must be carefully designed not only to identify the **regional challenge and to attract the most competent solvers** but also to answer questions such as:

- selecting co-sponsors,
- defining the eligibility of participants,
- creating the competition's rules,
- defining participant's rights such as regarding intellectual property right issues,
- setting the awards and their criteria,
- and finding ways to capture the imagination of the public.

The **Innovation Challenge** Design Canvas

Challenge Name _____

WHY?	WHAT?	HOW?
1. GOAL Innovation Challenges are ran to support Open Innovation in SMEs. However, an innovation agency may also wish to achieve specific strategic goals via a Challenge. For example, a Challenge could be expected to impact both SMEs and other participants. Clarifying these strategic aspects at the very beginning is crucial in order to avoid problems down the road.	**5. ACTIVITIES** Activities are the problem-solving actions required to deliver solutions to the challenge. These include intellectual work related to specific and often innovative methodologies, requiring high level skills and know-how. Does the Challenge involve designing? Coding? Prototyping? Developing technology? Business modelling? Piloting / testing?	**9. GOVERNANCE** To run an Innovation Challenge might require the contribution of diverse organizations: you might have a main sponsors (e.g. a public administration) that wants you to run the Challenge; or you could be involved in just the design of the Initiative, and outsource its execution. Most likely the Challenge will have to get onboard various stakeholders for maximizing its impact.
2. SEEKERS Seekers are organizations (maybe more than one) that are facing one or more innovation problems and looking for answers. These might be the SMEs you want to support, or even Larger Enterprises (LE) you want to connect with SMEs. The seeker acts as "the client" of the initiative: the one who defines a specific problem or opportunity, and hopes to find some form of innovation via the Challenge.	**6. SOLVERS** Solvers are the people or organizations conducting the activities and ultimately arriving at the solutions the seeker is hoping for. They can be individuals, teams, or even companies, and they normally compete to deliver the best solution. They act as the "suppliers" of the Innovation Challenge and they also must perceive obvious added value from taking part in the Initiative.	**10. BUSINESS MODEL** One of the key aspects in a Challenge business model is financial sustainability. Seekers may be charged participation fees (solvers are normally not). Sponsors may help to cover costs. Ultimately, this decisions depends on the goal defined at the beginning. Some organizations have made a business out of offering Innovation Challenges as a service.
3. CHALLENGE This is the innovation issue that entices seekers to take part to the Innovation Challenge. It could be a technical problem with a production process, a design problem related to the development of a new product, or an aspect of business. A challenge may also offer an opportunity. The challenge is what solvers will actively work on in their "problem solving" activities.	**7. INCENTIVES** Incentives are the motivational elements that induce solvers to take part in an Initiative and try their hardest to deliver the best solution. Incentives can be financial or otherwise (e.g. improving know how, networking, visibility) and they might be awarded to certain solvers or all participants.	**11. IPR** Intellectual Property Rights (IPR) must be astutely managed in Innovation Challenges since the cooperation between solvers and seekers generates exploitable assets and IPR. The ownership of the results and the rights of parties must be clearly defined. This includes under what conditions seekers will be allowed to exploit the solutions developed by solvers, how solvers will be acknowledged, etc.
4. SOLUTIONS This is the usable value-adding result that the seeker hopes to obtain from the Challenge, which should be the solution to the innovation problem submitted by the seeker, or significant progress towards its solution. It is the main motivation for seekers taking part in the Challenge, and something they are prepared to pay for.	**8. TIMELINE** This involves the timing of the whole Initiative, with all its milestones, stages, and events. The most significant part is the time required to carry out the activities. Preparatory actions need to be planned, including the promotion of the Initiative, selection of seekers and solvers, training (if applicable). Follow up is also important. Overall, the timeline should be consistent with the expected results.	**12. REGULATIONS** What are the formal regulations and legal framework that you need to have in place to run the Initiative? What the legal constraints that you possibly need to consider? (e.g. abide with state aid legislation). Most likely, this may regard the way you will identify participants (seekers and solvers), set participation fees, and award incentives.

Interreg Europe

Co-funded by the European Union

Next steps with Interreg Europe

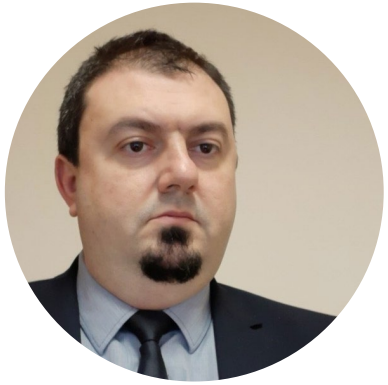
Marc Pattinson
Thematic Expert – Smarter Europe
Policy Learning Platform

Arnault Morisson
Thematic Expert – Smarter Europe
Policy Learning Platform

Follow us on social media:

Many thanks!

Zdeněk Hušek
Ústí Region, Czech Republic – RATIO project



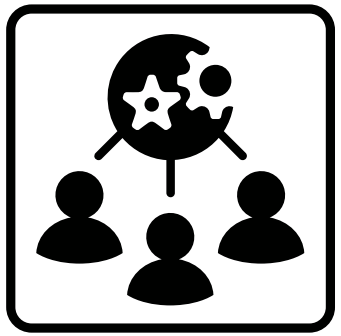
Ivan Popov
Executive Director, Executive Agency “programme education”, Ministry of Education and Science, Bulgaria.

Nicola Doppio
Open Innovation Officer at HIT - Hub Innovazione Trentino, Trento, Italy

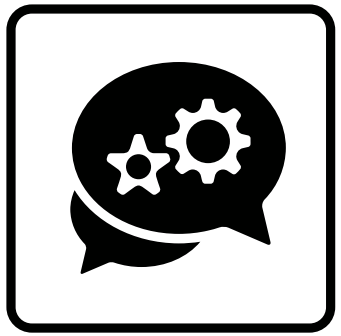
Balázs Barta
Founder, managing director – am-LAB, Hungary – SKALE2CT project

Access to EXPERTISE

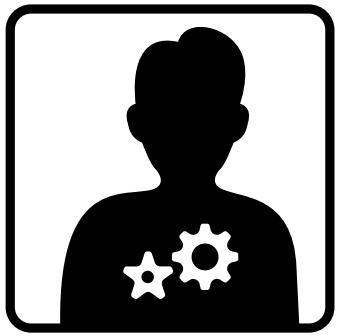
- **Policy advice services** from our thematic experts



Peer reviews
In-dept analysis and peer recommendations



Matchmakings
Solutions on how to resolve a policy challenge



Policy helpdesk
Ideas on how to resolve a policy challenge

https://www.interregeurope.eu/get-policy-advice

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NEW

SMART Digitisation

Digitalisation in the public sector

The digitalisation in the public sector allows to optimise processes. Data collection and information from the public promotes informed decision-making. Explore our most pertinent content on the topic.

In the spotlight

Digitalisation in public services can make a real change for local and regional authorities. Explore the content our experts hand-picked for you to dive deeper into the subject and learn from real-life experiences.

WEBINAR

GovTech and digitalising the public sector

On Wednesday 23 November 2022, the Policy Learning Platform held a webinar on the topic of GovTech and the digitalisation of the public sector. Watch the recording and access the presentations.

Read more 24 November 2022

POLICY BRIEF

Digital innovation hubs and demonstrators

Explore this policy brief to learn about digital innovation hubs and how they can foster competitiveness and contribute to a sustainable and digital Europe.

Open data for the public sector

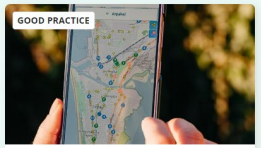
Open data is a useful tool that the public sector can use to make informed decisions. Take a look at our stories and good practice on this topic.

Open Data: Spotlight on Veneto Region

In the digital age strategies, the importance of open data has increasingly come to the forefront of policymaking, recognising its potential to drive innovation, stimulate economic growth, and

Read more

14 May 2024 | By Platform



GPS open data in Liepaja City Mobile app

Liepaja City citizens can follow public transport on the interactive map in the Liepaja City mobile app. Open GPS data have been used for this service.

Read more

12 July 2023 · Liepāja, Latvia

Operationalising the Concept of Open Innovation with Open...

Regional policymakers are creating open innovation platforms to harness regional knowledge and strengthen innovation.

Read more

05 October 2020 | By Platform

AI for local authorities and policymakers: Key learnings

On 7 November 2023, the Policy Learning Platform hosted a webinar on the topic of AI for local authorities and policymakers. Access the recording, presentations and the key learnings here.

Watch the recording

13 November 2023 | By Platform

Embracing the future: The EU AI Act

With the recent adoption of the EU AI Act, the European Union has taken a monumental step towards shaping the future of our continent. Read how local authorities can use it as a powerful tool.

Read more

20 February 2024 | By Platform

https://www.interregeurope.eu/collections/digitalisation-in-the-public-sector

Feedback survey

Interreg Europe

Co-funded by the European Union

https://www.surveymonkey.com/r/NorthMacedoniafeedback

Co-funded by the European Union

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Interreg Europe

Elena Ferrario
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Many thanks!

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Vladimir Sestovic
Communication and Partnerships Expert
Policy Learning Platform