



EUROPEAN WEEK OF
REGIONS & CITIES

2003 - 2022

How can we strengthen collaboration between regions and research and technology organisations to further support a sustainable transition?

New Challenges for
Europe's Cohesion

Online workshop
16:30-18:00 CEST
12 October 2022



#EURegionsWeek



WIELKOPOLSKA
REGION



Łukasiewicz
Sieć Badawcza

TAMPERE
REGION
EU OFFICE





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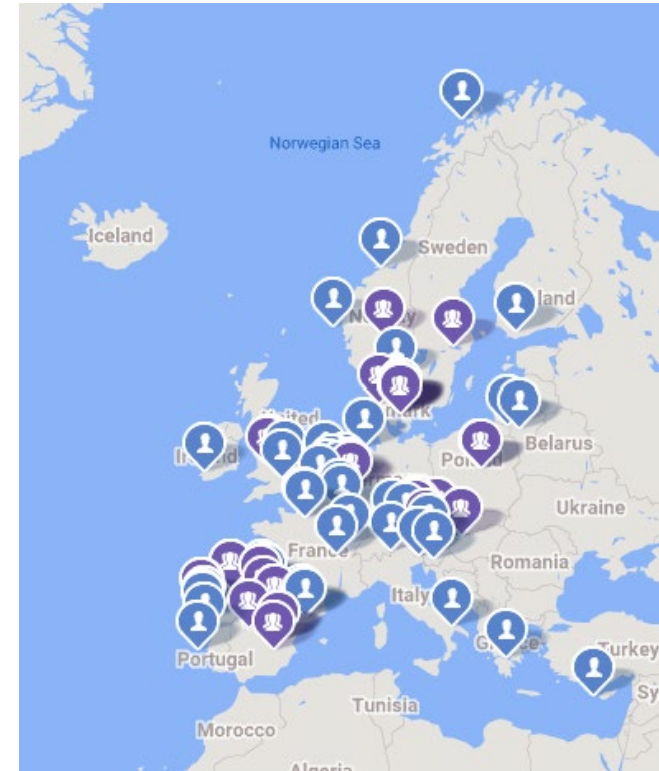
2003 - 2022

ERRIN and EARTO



Around 120 members in 22 countries

New Challenges for Europe's Cohesion



Over 350 RTOs in more than 32 countries

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Technical points

New Challenges for
Europe's Cohesion

- Participants' microphones are muted by default to avoid background noise
- To ask a question or share your comments:
 - Write in the chat at any time
 - Virtually 'Raise Hand' in the 'Reactions' tab during the Q&A and wait for the moderator to give you the floor
- Take part in Slido:
 - Follow the QR code below or use the code **#12WS22290** on [slido.com](https://www.slido.com)
 - Use your mobile phone or tablet for best experience



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Agenda

New Challenges for
Europe's Cohesion

16:30	Welcome by Pirita Lindholm, Director, European Regions Research and Innovation Network (ERRIN)
16:35	Presentations by: 1. Region and RTO working together on sustainability: the example of Auvergne-Rhône-Alpes, France: <ul style="list-style-type: none">• Bérengère Bougué, Policy Officer in charge of Research and Innovation; Higher Education, Research and Innovation Department, Auvergne-Rhône-Alpes Region• Céline Soubeyrat, Lead Project Manager, French Alternative Energies and Atomic Energy Commission (CEA) 2. Region and RTO working together on sustainability: the example of Wielkopolska, Poland: <ul style="list-style-type: none">• Elizabeth Duda, Head of Unit, Department of Economy, Wielkopolska Region• Przemysław Zawodny, Deputy Director, Łukasiewicz-Poznański Instytut Technologiczny (Ł-PIT) 3. Region and RTO working together on sustainability: the example of Tampere, Finland: <ul style="list-style-type: none">• Hannele Räikkönen, Director, Tampere Region EU Office• Karoliina Salminen, Smart Manufacturing Lead, VTT 4. Overview of existing tools for regions & RTOs: EU Partnerships for Regional Innovation (PRI): <ul style="list-style-type: none">• Carmen Sillero Illanes, Economic and Policy Analyst, Joint Research Centre, European Commission
17:15	Q&A with speakers and discussion with audience Moderator: Muriel Attané, Secretary General, European Association of Research and Technology Organisations (EARTO)
17:55	Closing by Pirita Lindholm, Director, European Regions Research and Innovation Network (ERRIN)





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Multiple-choice poll



Are the regional administration and RTO(s) in
your territory actively cooperating?

009

Yes



Not yet



I don't know



New Challenges for
Europe's Cohesion

slido

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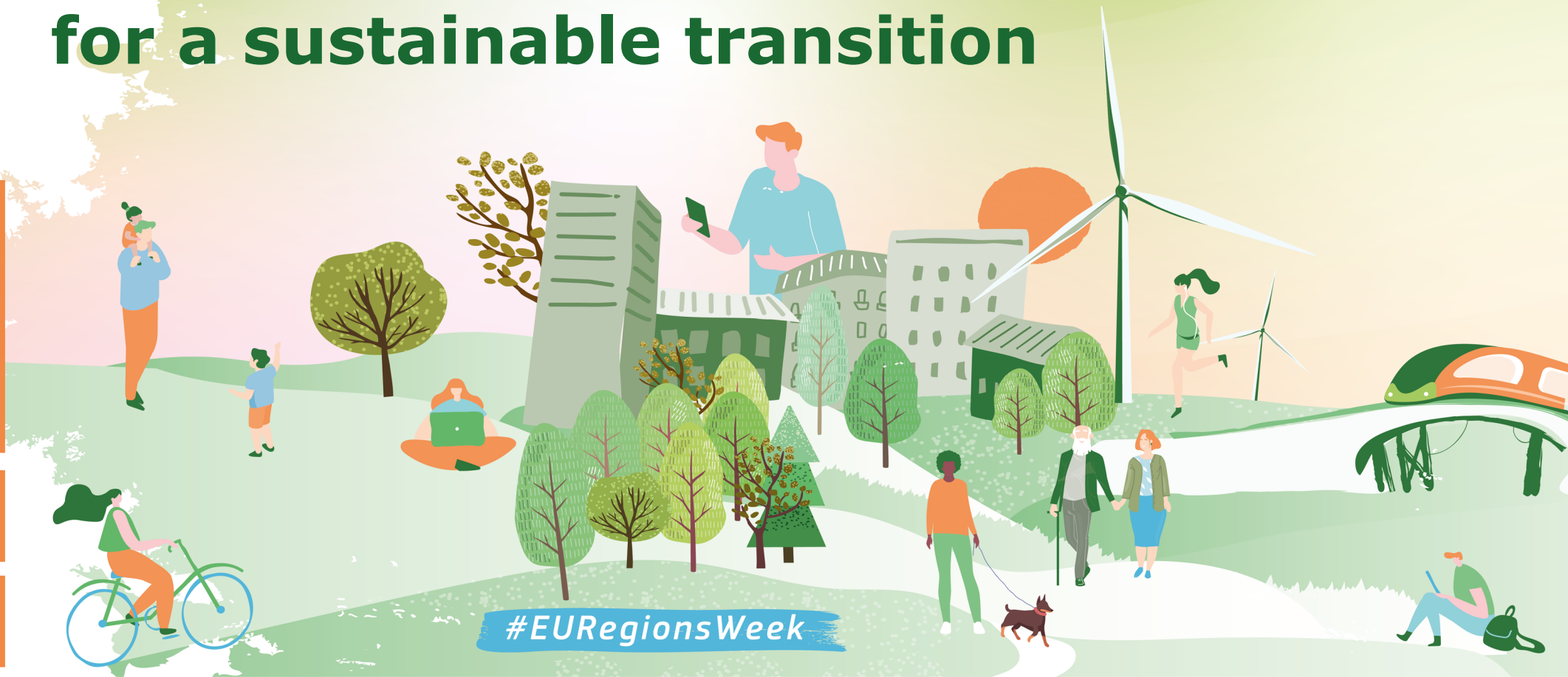
Région Auvergne Rhône-Alpes and CEA collaboration for a sustainable transition

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CEA: a strong asset for research and innovation in Auvergne Rhône-Alpes

Research and Innovation in Auvergne Rhône-Alpes

- 8th European region for scientific production
- 7 universities + 40~ publics and private (engineering, business, ...) schools
- 62 000 people working in public and private research (40 000 researchers)
- Research and innovation domestic expenditure = 7,5 Md€ per year
- 21,6% of French patents

CEA in Auvergne Rhône-Alpes

- 4500 employees on 2 sites
- **Mostly technological research activities**, completed by fundamental research teams
- 2 institutes:
 - **LETI - Electronics and information technologies lab**
1900 researchers, 11 000m² of clean rooms, numerous state-of-the-art technological platforms in various fields, 3200 patents, 250 industrial partnerships, +70 start-ups
 - **LITEN - Technologies for new energies and nanomateriels innovation lab**
1000 researchers, tech and support, 1800 patents, +200 industrial partnerships, 12 state-of-the-art technological platforms, +10 start-ups



New Challenges for
Europe's Cohesion



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A strategical partnership between Region Auvergne Rhône-Alpes and CEA for digital and green transitions

New Challenges for Europe's Cohesion

Historically, heavy support of the Region in CEA infrastructures and projects
→ Conclusion of a contracted **partnership for 2018-2022 with 100 M€ in investment**, for both high level equipments and R&D projets

Objectives serving the economical and R&I strategy (S3) of the Region	Total regional investment
Microelectronics	55,5 M€
Energy	20,2 M€
EasyPOC: innovation for SMEs	8,2 M€
IA – Software – smart industry	3,3 M€
Health and agriculture	2 M€



Digital transition: strong support through IPCEI Nanoelectronics



Green transition: strong support to hydrogen (high-temperature electrolysis, proton-exchange membrane fuel cells), photovoltaics, smartgrids



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Easypoc: a program to demonstrate the potential of CEA technologies and competencies for SMEs' use cases

New Challenges for
Europe's Cohesion

- **Feasibility study** and/or **lab proof of concept**, maximum budget: **100K€**, 6 month duration
- Objective : secure an innovation project with a high technological component for a small company
- CEA lab expenses financed by the Region
- **Target: SMEs and small companies** of less than 2000 employees, all sectors, interested with a key enabling technology from CEA (digital, energy, health,...), identified with the help of the regional Economic Development Agency. Priority on SMEs **outside of the 4 main urban areas**
- **More than 50 companies since 2020** ; more than half keep on with a personalized transfer of innovation with CEA
- **More than 55% directly on energy, digital or material for sustainable transition**



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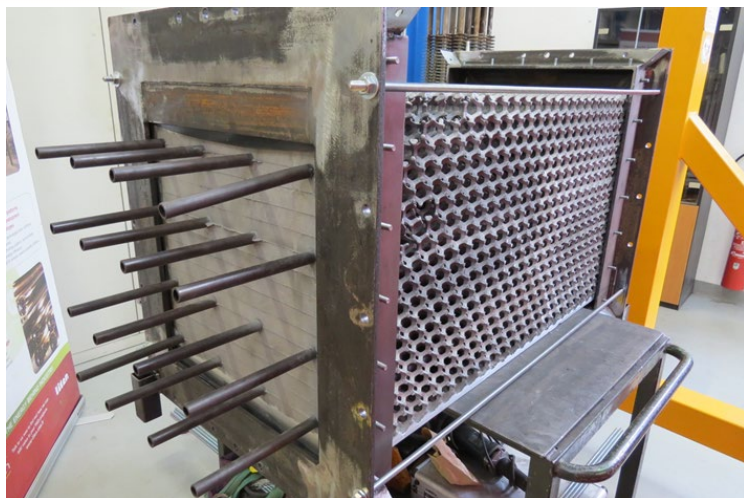
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Example of an EasyPOC project: Groupe Grims



LATTICE ENERGY[®] : Ultra compact, efficient, responsive, and low-cost **heat storage** and responds to the space constraints in substations of **urban heating networks**.



- Proof of concept on 2020/2021 with EasyPOC program
- Demonstrator in Montpellier with national and regional funding in 2022

« The GRIMS Group, an SME made up of two foundries Gravitec and FTB, is developing the innovative Neo LATTICE[®] process in regular metal foams. Thanks to this project, we wish to evolve towards a role of equipment supplier and thus broaden our offer towards the markets of urban heating networks, building tertiary,... »

Cyrille GRIMAUD, CEO Groupe GRIMS

New Challenges for
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Challenges for Region – CEA collaboration

- Regional **budget constraints**, especially with the covid crisis
- **Transition years** between **ERDF** OP 14-20 and 21-27
- **Governance**, with a tight election agenda in France between 2020 and 2022
- Communication to the general public
- For EasyPOC: construction and implementation of the partnership between CEA and the regional development agency

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Wielkopolska Region

PhD Eng. Przemysław Zawodny – Deputy Director for Research
Łukasiewicz – Poznan Institute of Technology

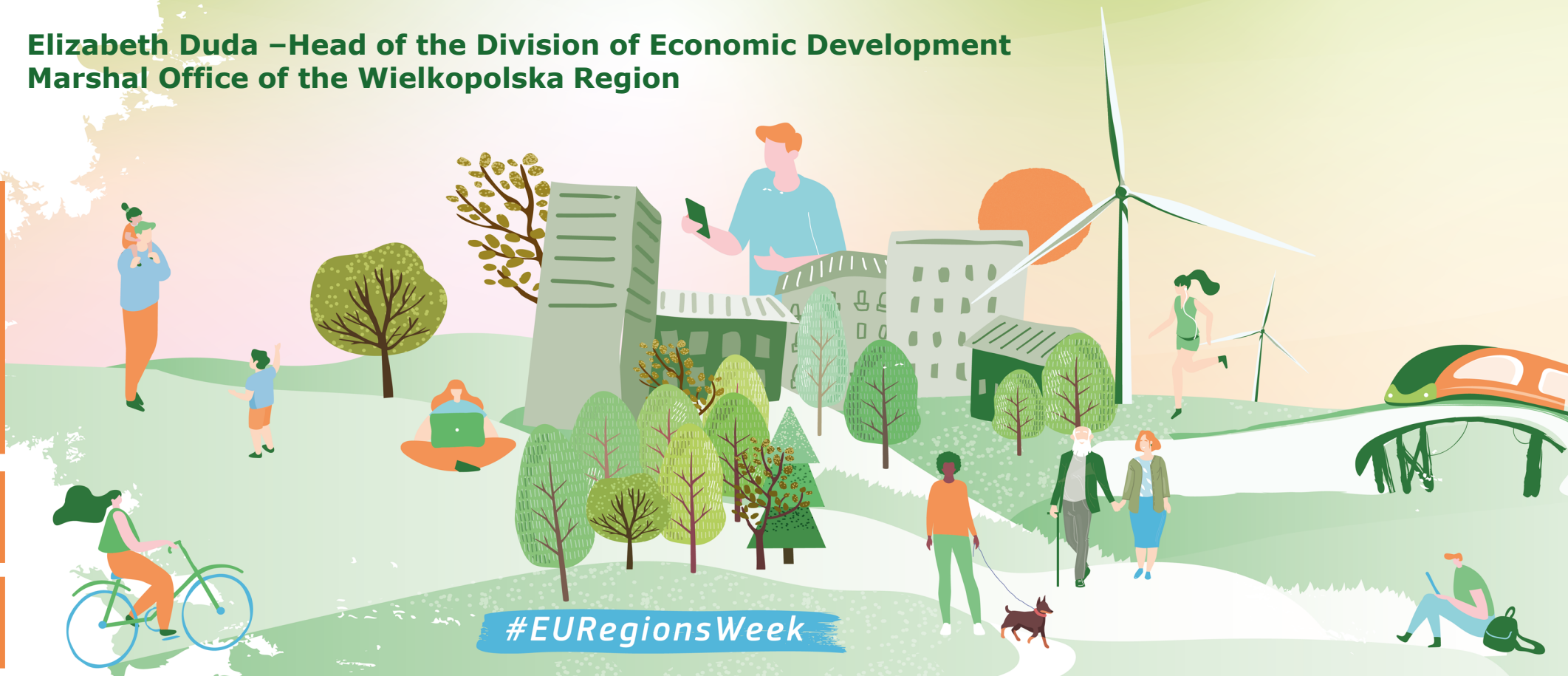
Elizabeth Duda – Head of the Division of Economic Development
Marshal Office of the Wielkopolska Region

New Challenges for
Europe's Cohesion

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KEY ISSUE: EFFECTIVE INNOVATION ECOSYSTEM

New Challenges for
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Zero-emission story from the Wielkopolska Region:

1. Networking – Wielkopolska Hydrogen Platform (science, business, society, Adm.)
2. Primary & Secondary Education – thematic tools, trips, competitions
3. Higher Education – collaboration with Poznan Universities (ex. PGstudies)
4. Bringing idea to the society – roadshows, thematic events, H2POLAND tech. fairs
5. Support for business and academics – ROP pilot audit programme for SMEs, grants
6. Transformation of Eastern Wielkopolska – from brown coal to climate neutrality
7. Bottom up approach: Wielkopolska Hydrogen Valley

Currently Region and RTO working on: Regional Hydrogen Rail System

SAVE THE DATE

H₂ POLAND

Central European Hydrogen Technology Forum

16-17.05.2023, POLAND

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ŁUKASIEWICZ PIT COLLABORATION

New Challenges for
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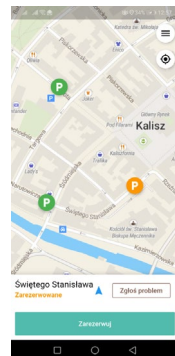
We are asking for help with our projects, ideas, partnerships...

For example:

Sprout

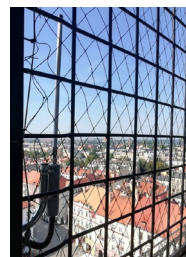
Pilot city Kalisz presentation

IoT-enabled freight vehicle loading/unloading space management



EIT Urban Mobility - IoTBays

We have replicated solution to Poznań



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New Challenges for Europe's Cohesion

KEY CHALLENGES:

- **COVID-19 and its after-effects**
- **Energy crisis**
- **Instability vs. investments slowdown**
- **Trust and communication between different actors of the ecosystem**

FUTURE:

We can improve collaboration:

More meetings – COVID19 makes big influences in this area

Intensive work to build stable Quadruple Helix collaboration

Build trust in all stakeholders

Joint projects

CHECK:

<https://pit.lukasiewicz.gov.pl/en/>

<https://h2poland.com.pl/en>

<https://h2wielkopolska.pl/en>





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City of Tampere and VTT creating a sustainable future together: Tampere-VTT Partnership 2021-2025

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2021 - 2022

**New Challenges for
Europe's Cohesion**

City of Tampere & VTT: Strategic Partnership 2021-2025

Focus: Building a sustainable and smart city (region)

Current themes/work packages:

- 1) Hiedanranta: A sustainable new city district**
- 2) City transport system 2.0**
- 3) Data at your service**
- 4) Sustainable Industry X**
- 5) *EU collaboration***

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**New Challenges for
Europe's Cohesion**

What is needed to make it work:

- 1) Common goals & clear objectives**
- 2) Ownership**
- 3) Investment/commitment**
- 4) Planning**
- 5) Dialogue**

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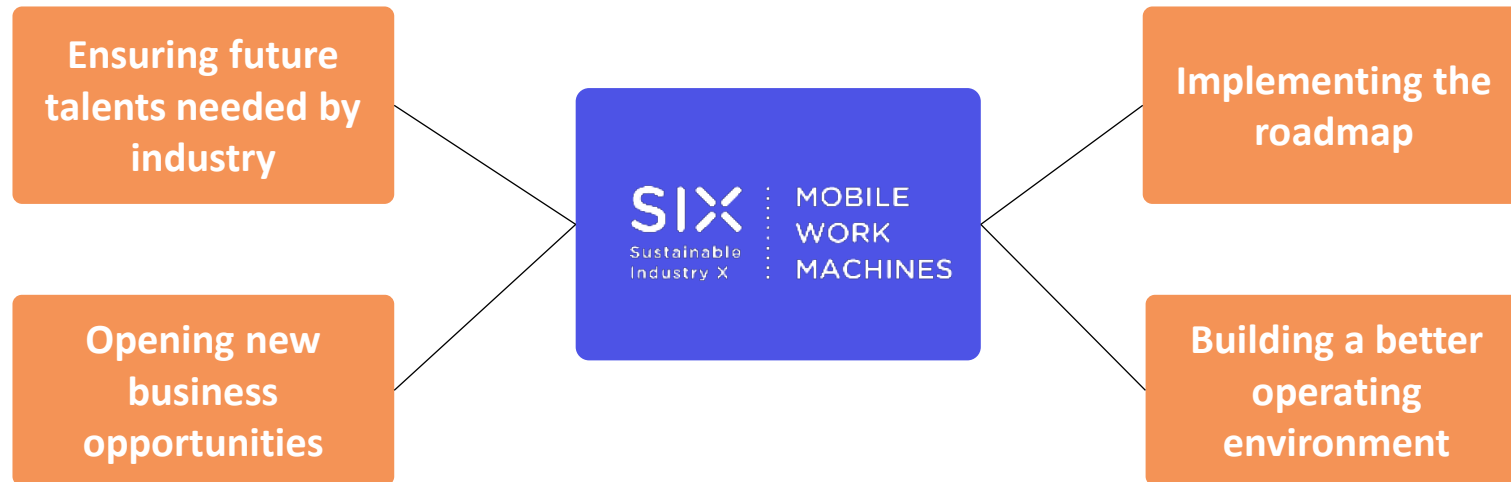


Example: SIX Mobile Work Machines cluster

New Challenges for
Europe's Cohesion

Leading companies, research, and local actors actively cooperating towards the shared vision:

“In 2025, Finland has become known as the world's best place for developing mobile work machines and their key technologies and services.”





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2023 - 2022

Example: SIX Mobile Work Machines cluster

New Challenges for
Europe's Cohesion

Green transition and digitalisation
are at the core of sustainable
future mobile work machines.

1. Joint innovation and competence development activities with the actors
2. Competence and availability of talents
3. Visibility and impact in Finland and all around the world



Join the global leaders in
defining the industry's green
and digital future

Future Mobile Work Machine Event

June 14-15, 2022

at [Nokia Arena](#)
Tampere, Finland



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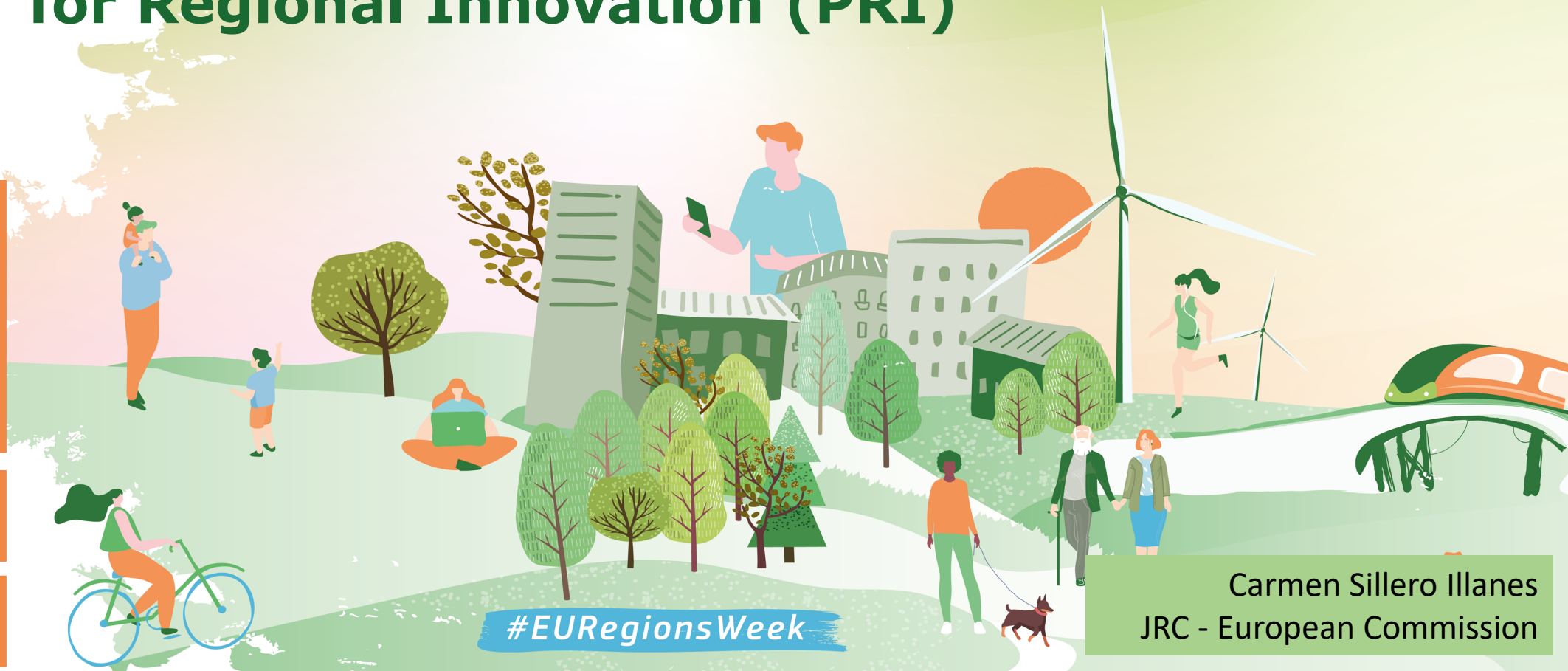
Overview of existing tools for regions & RTOs: Partnerships for Regional Innovation (PRI)

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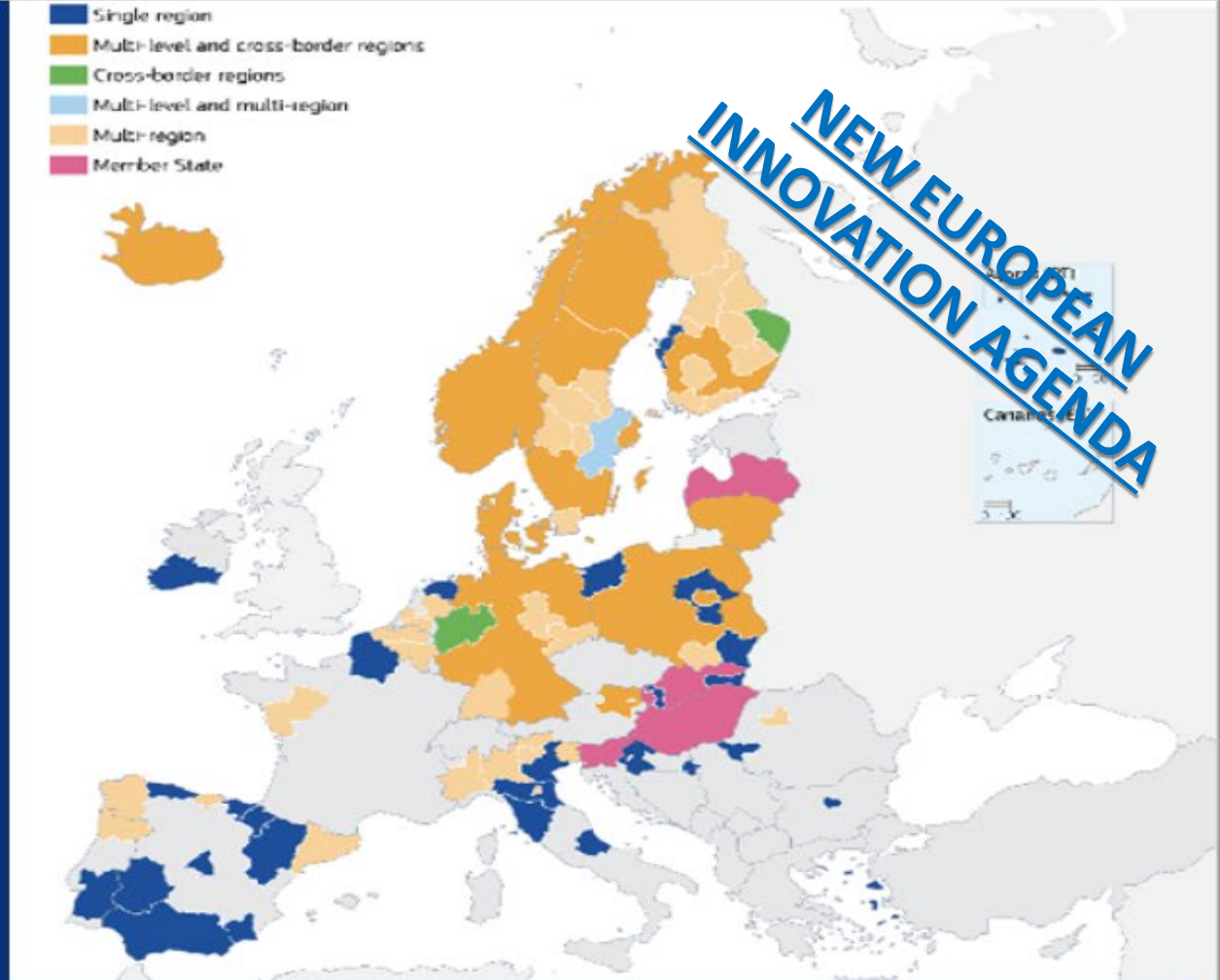
Carmen Sillero Illanes
JRC - European Commission



PARTNERSHIPS FOR REGIONAL INNOVATION



Pilot
 (May 2022-June 2023)
 74 territories:
 7 cities
 63 regions
 4 Member States



A new Playbook is out

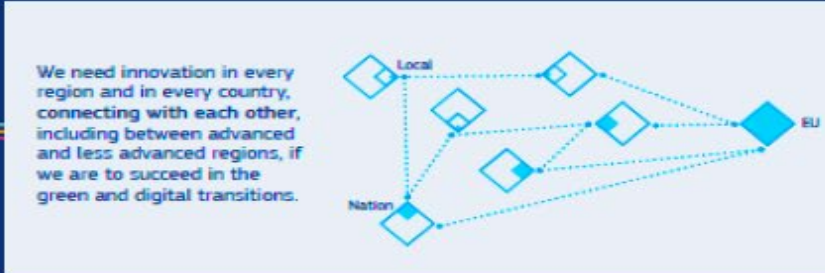
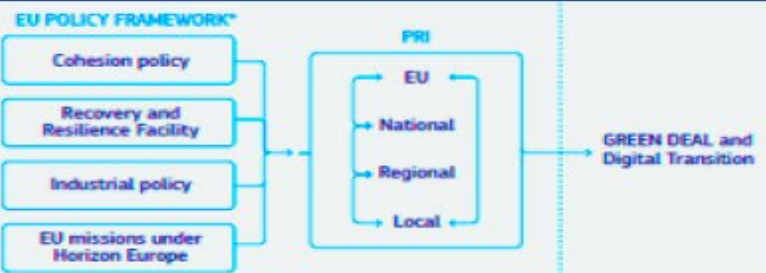
Out 17 May 2022

68 tools to foster innovation for sustainability in territories

<https://s3platform.jrc.ec.europa.eu/pri>



Key concepts



Alliance for Zero-Emission Aviation.

European Raw Materials Alliance.

European Clean Hydrogen Alliance.

European Battery Alliance.

Circular Plastics Alliance.

European Alliance for Industrial Data, Edge and Cloud.

Industrial Alliance on Processors and Semiconductor Technologies.

Raw Materials



New #COSME_EU Call for Proposals
Apply by 30 November

Joint Cluster Initiatives (EUROCLUSTERS) for Europe's recovery
Funding available: €42 M

European Commission | #SingleMarket

13 Interregional Innovation Investment Instrument

Strengthening Innovation in Europe's regions

IMPORTANT PROJECTS OF COMMON EUROPEAN INTEREST

IPCEI

Horizon Europe

THE NEXT EU RESEARCH & INNOVATION PROGRAMME (2021 - 2027)

EUROPEAN UNION

#HorizonEU

European Innovation Ecosystems Online Info Session

07 September 2022 - 9.30 AM

REGISTER NOW!

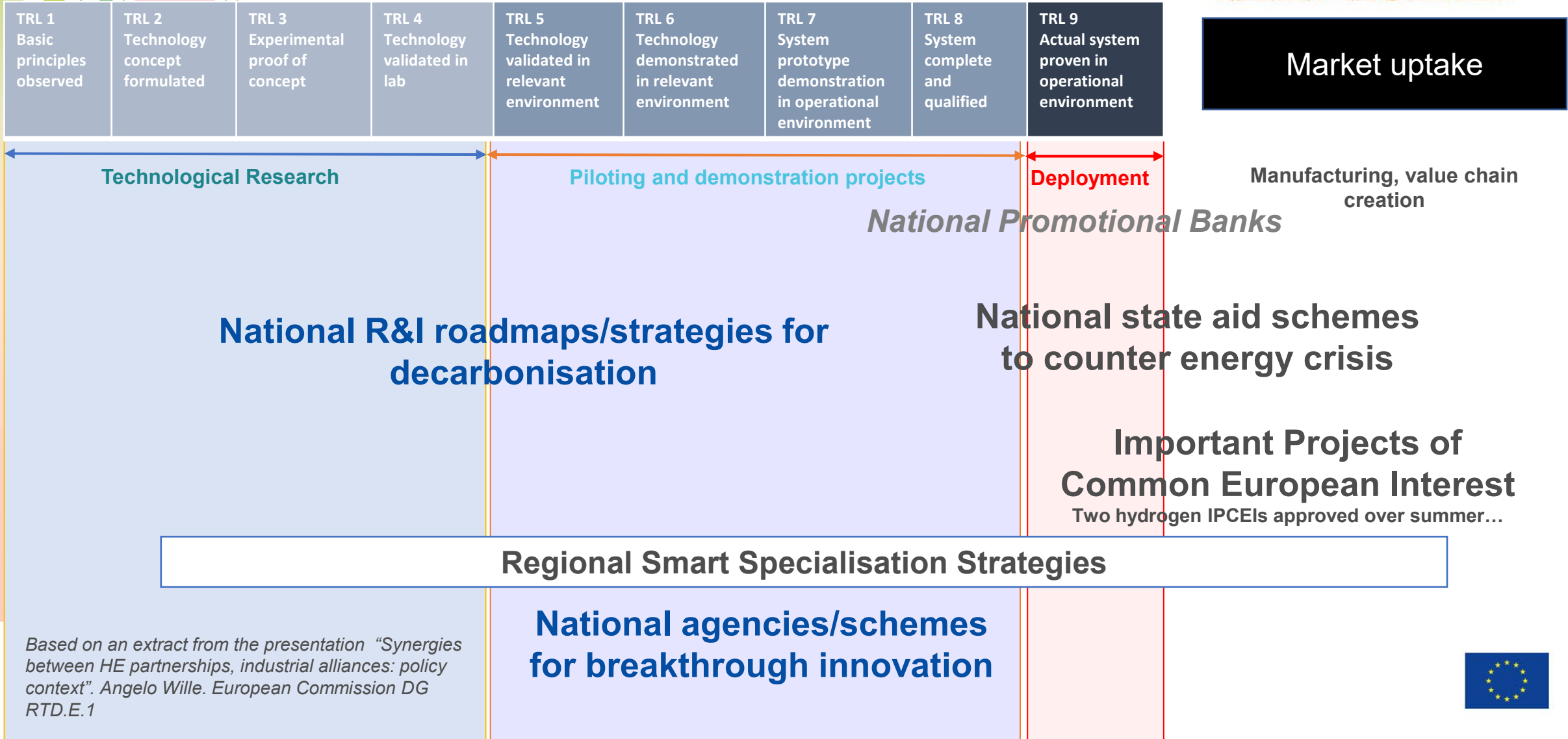
THE EU RESEARCH & INNOVATION PROGRAMME 2021 - 2027

2023 Deep Tech Valleys

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R&I in support of European Strategy priorities (MS)



Based on an extract from the presentation "Synergies between HE partnerships, industrial alliances: policy context". Angelo Wille. European Commission DG RTD.E.1



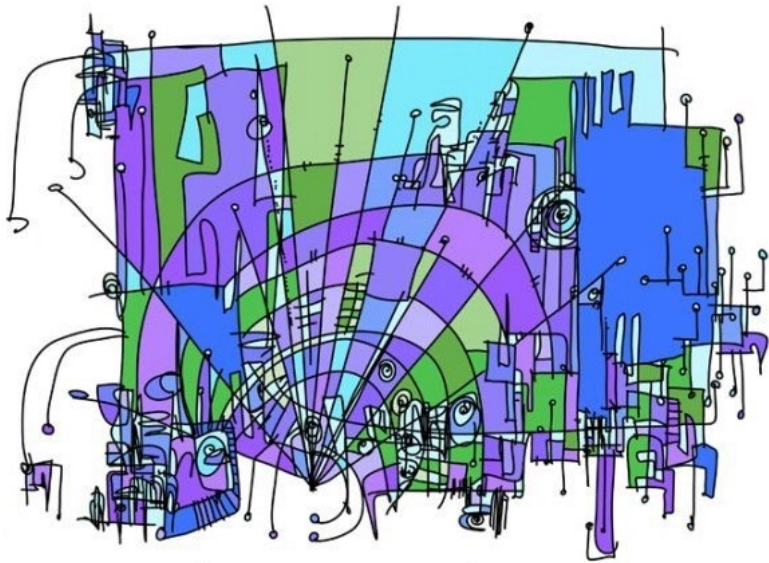


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Paradoxes

New Challenges for
Europe's Cohesion



innovation is not a number

@gapingvoid

- More instruments than ever. But, are these instruments able to provoke systemic innovation?
- Is just about funding R&D projects?
- Fragmentation of policies. Are these instruments connected? Are synergies identified?
- Is there coordination between the government layers?
- Are all the territories able to be part? Are all the actors concerned able to be involved?
- Are the European-national-regional-local legal frameworks encouraging innovation?

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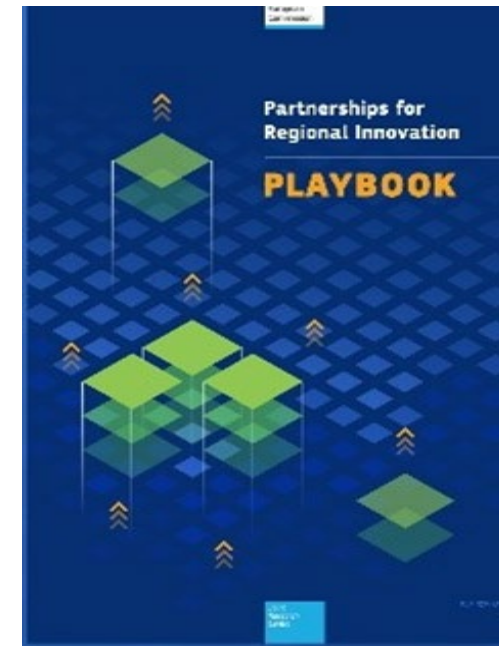
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Demand-driven instruments and new policy mix for real green transition

- International Open Discovery Process
- Interregional Green public procurements
- Interregional projects funding?
- Skills Development. Open Education
- Shared Infrastructures ?
- Sharing technological infrastructures access ?
- Public Sector Innovation?
- Interregional Sand Boxes ?
-Your proposal

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New Challenges for
Europe's Cohesion





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New Challenges for
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Thank you

JRC-PRI-PILOT@ec.europa.eu



← The PRI **Playbook** can be found here

News on PRI can be found here →



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New Challenges for
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Q&A

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Wordcloud poll



In your view, what potential benefits could the cooperation between your regional administration and RTO(s) bring to your organisation?

006

New Challenges for Europe's Cohesion

PoC Context

Real problems to solve
finance implementation project
Networkscompetitiveness
New products
More mutual understanding

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New Challenges for
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Conclusions

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