



The European Commission's science and knowledge service

Joint Research Centre



**Workshop South Eastern Region,
“Smart specialisation”**

Javier Gómez, PhD
JRC B.3 Territorial Development



#S3PEnergy #SmartSpecialisation



JRC sites

Headquarters in Brussels
and research facilities located
in **5 Member States:**

- Belgium (Geel)
- Germany (Karlsruhe)
- Italy (Ispra)
- The Netherlands (Petten)
- Spain (Seville)



Overview

- The smart specialisation **approach**
- The Smart Specialisation Platform (**S3Platform**)
- Interregional **cooperation**
- Partnership on **smart-grids**



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What is Smart Specialisation?

S3 the policy concept

- Promote **inclusive and sustainable growth**
- **Place-based policy:**
 - Valorise existing assets and local specificities
 - Mobilize local economic players as the main actors of economic change
- Based on **selection of economic activities** with high transformative potential for the economy

RIS3 the strategy

- National or regional **agenda for economic transformation**
- **Coordinate financial and entrepreneurial resources** to support the selected economic activities
- Define **governance and monitoring mechanisms**



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Smart Specialisation in Europe: EU Cohesion Policy

REGULATION (EU) 1303/2013

Applies to the European Regional Development Fund (ERDF)

Ex-ante conditionality

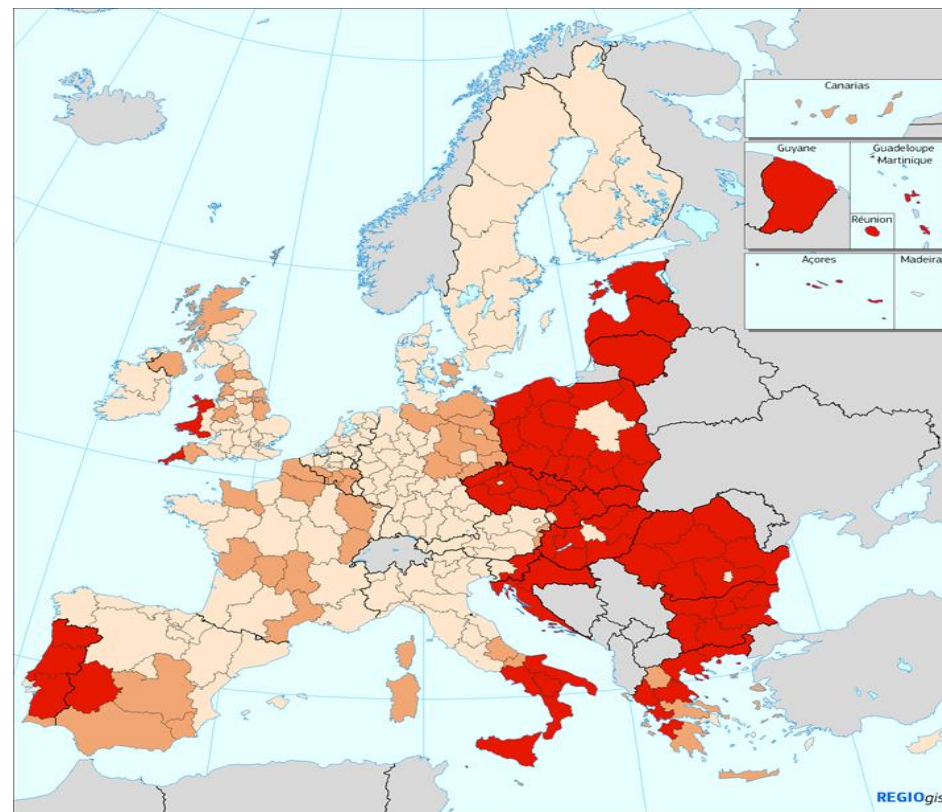
" ...
A national or regional smart specialisation strategy is in place that:

- is based on a SWOT or similar analysis to concentrate resources on a limited set of research and innovation priorities
- outlines measures to stimulate private RTD investment
- contains a monitoring mechanism

" ...



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Eligibility map 2014-20

- Less developed region (GDP/head: less than 75%)
- Transition regions (GDP/head between 75% and 90%)
- More developed region (GDP/head: more than 90%)



European Commission

Design principles for RIS3

- 1. ANALYSIS:** discovery of the socio-economic and innovation engines of regional growth, competitive advantages & weaknesses
- 2. MAKE CHOICES:** identify a limited set of priorities for development where to concentrate investment
- 3. STAKEHOLDERS' INVOLVEMENT:** setting priorities should be an inclusive and interactive process centred on *entrepreneurial discovery*
- 4. BROAD VIEW OF INNOVATION:** support technological as well as practice-based and social innovation
- 5. MONITORING AND EVALUATION:** feeding back information into the policy cycle and allowing strategy revision



RIS3 Guide of the European Commission

With contributions of D. Foray, P. McCann, J. Goddard, K. Morgan, C. Nauwelaers

Available on the **S3 Platform webpage**
<http://s3platform.jrc.ec.europa.eu>



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The Smart Specialisation Platform

S3 Platform



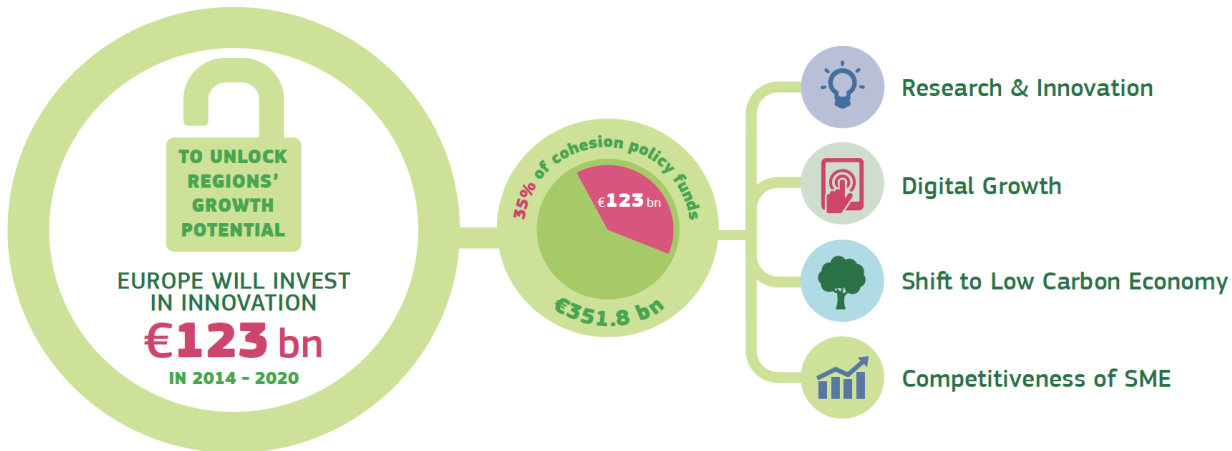
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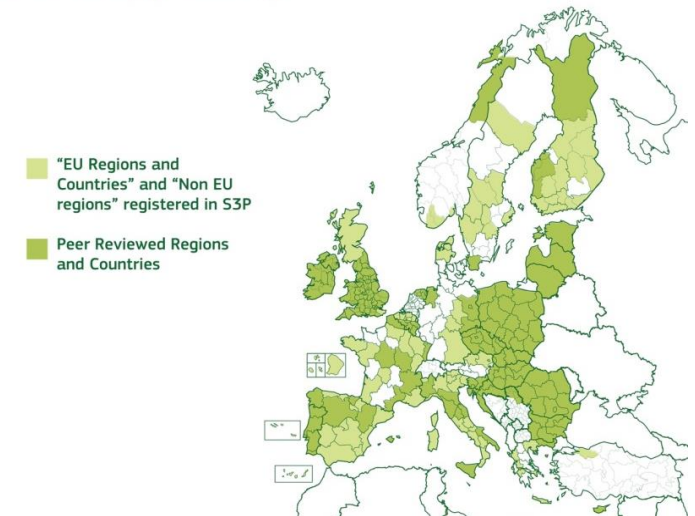
Support to EU regions

THE SMART SPECIALISATION PLATFORM

Why it was created



What is happening



<http://s3platform.jrc.ec.europa.eu/>



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How does S3Platform support regions?

Promote Transnational learning, Interregional collaboration & partnerships via:

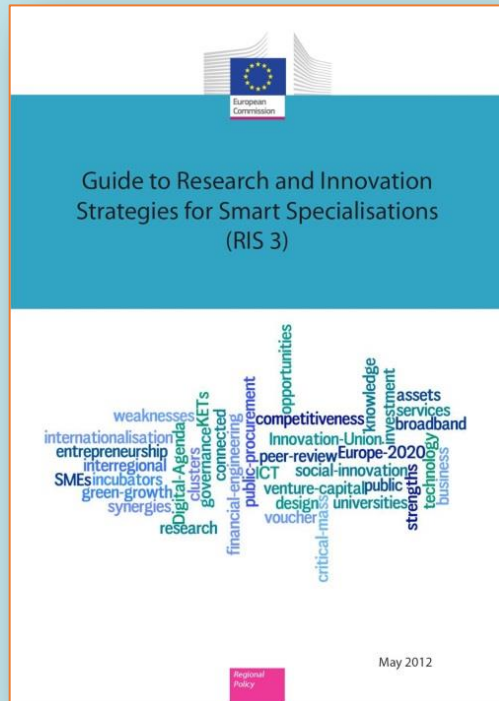
- **Supporting tools**: Regional priorities (Eye@RIS3), Regional Benchmarking, ICT Monitoring, Digital Innovation Hubs...
- **Guidance**: RIS3 Guide, Implementation Handbook, Digital Agenda Toolbox, Good Practice Examples, FAQs...
- **Analysis**: Conceptual and empirical developments, Policy Briefs, Peer Reviews, Working Papers...



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Guidance



<http://s3platform.jrc.ec.europa.eu/s3-thematic-platforms>



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Progress and Challenges

Most Regions and Countries have started the implementation phase of RIS3:

- RIS3 are generally stronger at analysis and weaker at monitoring & evaluation
- S3 principles are sometimes not fully taken on board in the prioritisation process
- Sometimes involvement of stakeholders limited in depth and scope and not continuous/on-going

...Our challenges ahead:

1. Preserve the **bottom-up component** of strategy development
2. Develop models and share experience on how to **operationalize the entrepreneurial discovery process** in different contexts
3. "Give voice to the voiceless", **avoid capture by closed clubs of incumbent stakeholders**
4. Progress from a triple to a **quadruple-helix governance**



Inter-regional cooperation

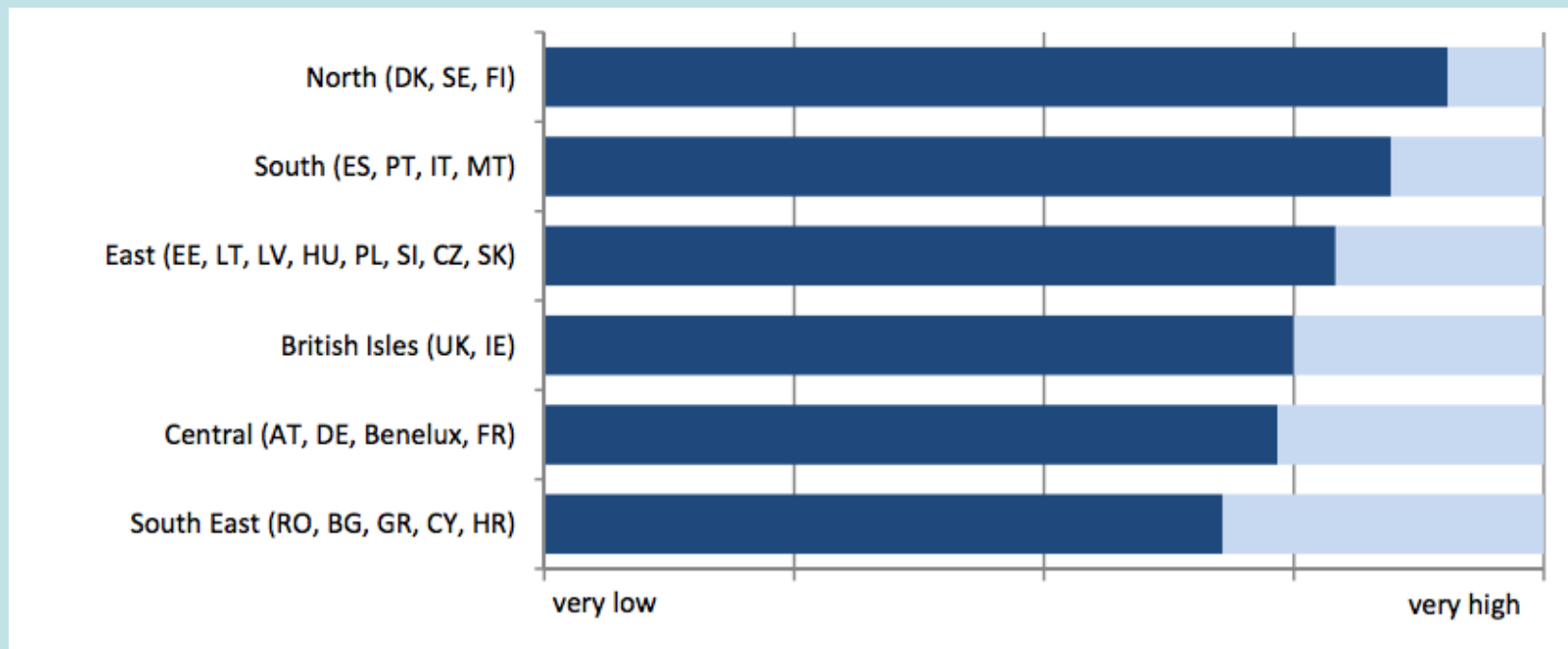


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Interregional partnerships for S3

Perceived benefits of trans and interregional cooperation



Source: Survey by Fraunhofer ISI, Policy brief on Smart Specialisation, 2016



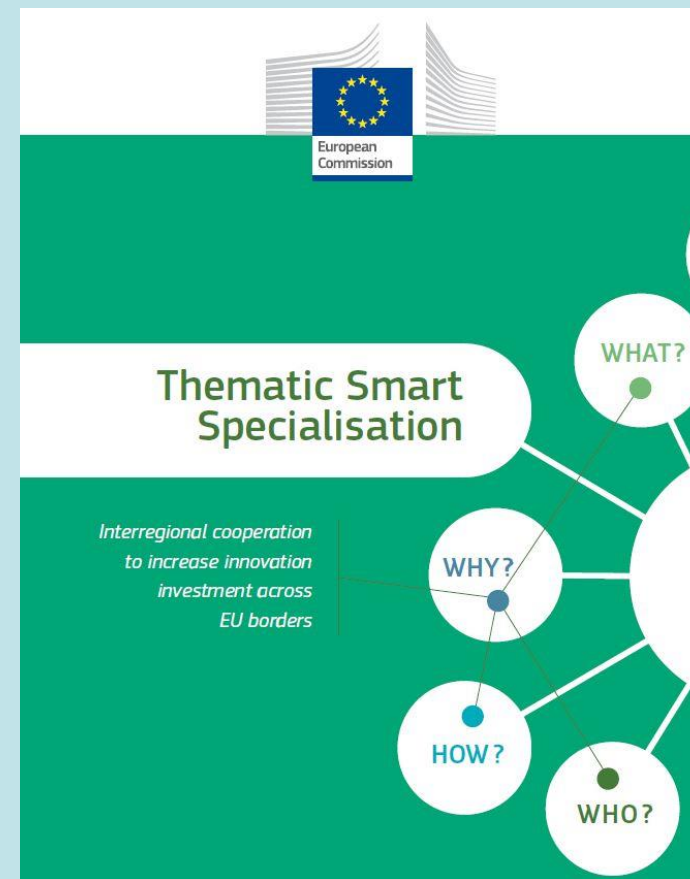
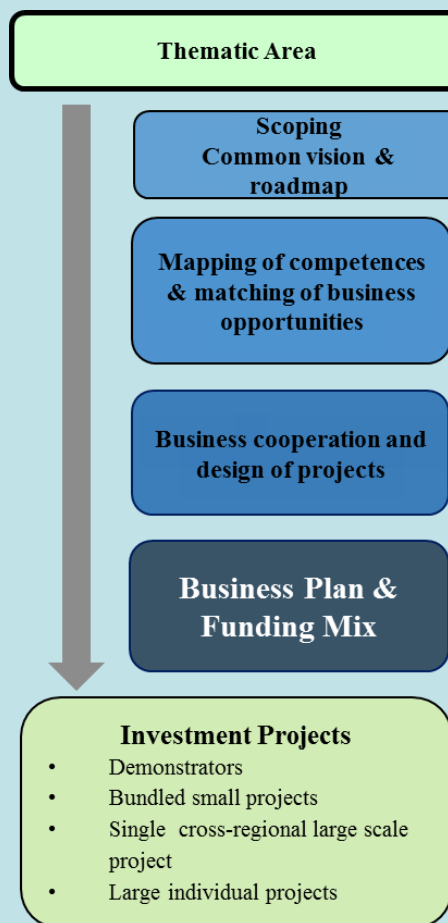
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Interregional partnerships for S3

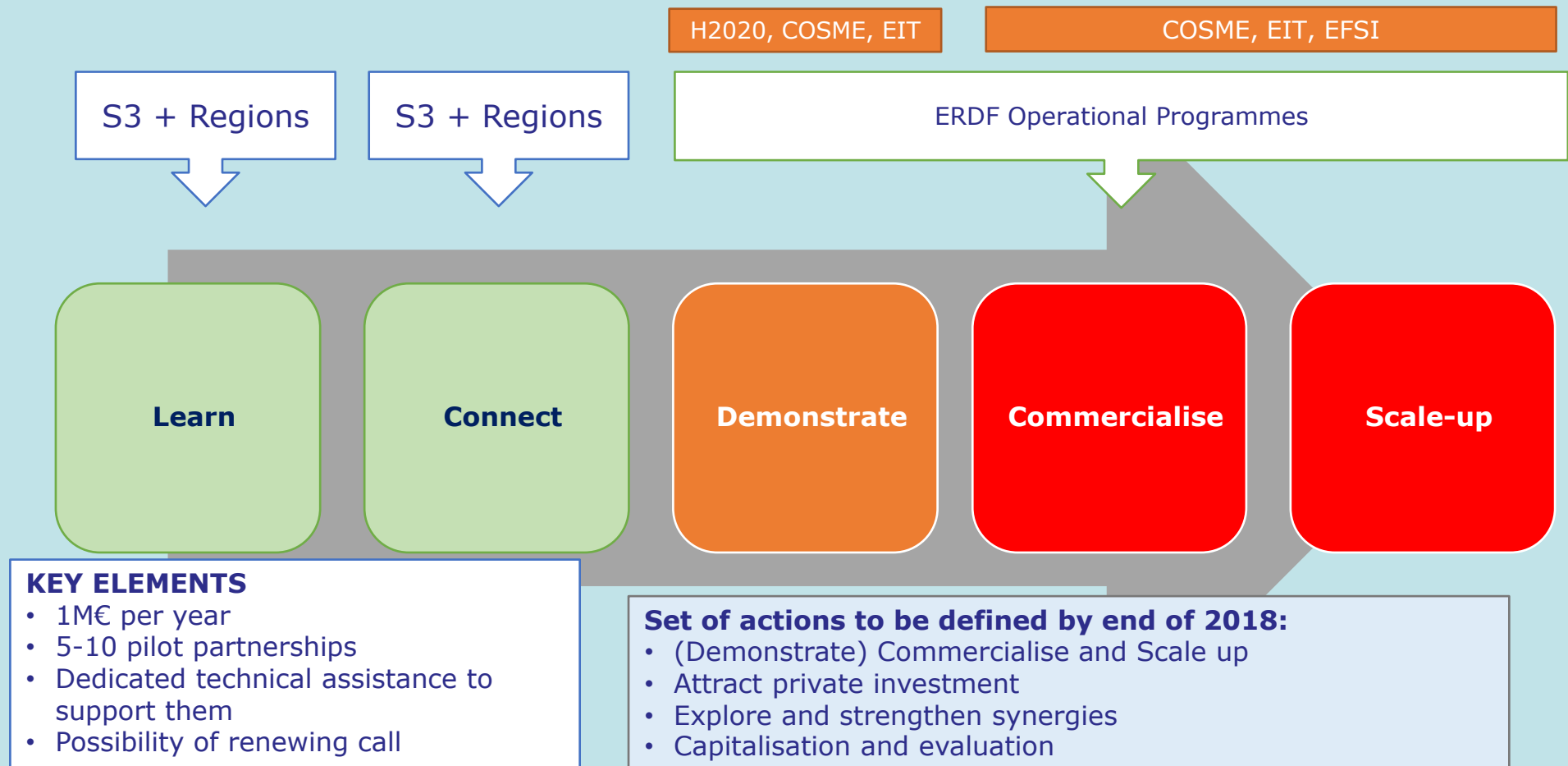
Interregional partnerships for smart specialisation

- Currently 21 partnerships (e.g. Bioenergy, high-tech farming, bio-economy, sustainable buildings, textile, industry 4.0)
- Covering more than 80 regions across EU.



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Pilot: strategic interregional investment projects



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Smart Specialisation thematic Platform on energy



- **Policy research and implementation advice**
E.g. Working papers, policy briefs, mapping capacities, pilot activities modelling
- **Mutual transnational learning arena**
Matching regions and S3 priorities, cooperation activities, peer-reviews
- **Communication**
Events, conferences, website, S3PEnergy community



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Interregional partnership for **smart specialisation** in smart grids



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Interregional Partnership Smart-Grids

- Composed by regions willing to join forces to better **implement their S3 energy** on power grids related priorities.
- Thematic **Objectives 1 & 4** of their ESIF Operative Program Regional authorities and their related clusters/SME intermediaries are members
- Other **interested regions**: Lazio (IT), Groningen (NE)



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Interregional Partnership Smart Grids

Identified working lines

- **Demand response**
 - Management and tariffs
- **Cybersecurity**
 - Smart homes
 - Infrastructure
- **Network management**
 - Artificial intelligence
- **E-mobility**
 - Vehicle to grid



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Interregional Partnership Smart Grids

Progress

10 Questions Survey
+ Bilateral Calls with Regions & Technical experts

Collected Information:

- Actors [public/private, national/regional]
- R&D, Demonstrator, Deployment
- Initiatives supported
- Applications [SM, RES integration, DSM,..]
- Flagship SG projects



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Interregional Partnership Smart Grids

NEXT STEPS

- Scoping exercise carried out in order to move to the next phase
- Several SG categories of common interest identified
- Drafting of a workshop report

Project development

- Analysis of Capacity Mapping and more in-depth studies
- Identification of clear value chains in new emerging scenarios
- Drafting of collaboration proposals coming from the regions



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Many thanks



Contact details: javier.gomez@ec.europa.eu

Smart specialisation platform: <http://s3platform.jrc.ec.europa.eu>

Twitter: [@S3Platform](https://twitter.com/S3Platform)



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