

The European Commission's science and knowledge service Joint Research Centre

The Smart Specialisation Platform on Energy

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Outline

1. Introduction
2. Interregional Collaboration
3. Research agenda
3. Tools
4. Outward dimension beyond EU

JRC's Mission

// *As the science and knowledge service
of the Commission our mission is to support
EU policies with independent evidence
throughout the whole policy cycle* **//**



JRC sites

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

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



The thematic Smart Specialisation Platform on Energy



The S3PEnergy is the space where Member States, regions and energy stakeholders receive support for an optimal and effective uptake of European Structural and Investment Funds for sustainable energy.



The S3PEnergy promotes activities at national, regional and local levels, for achieving a shared vision on knowledge-based energy policy, with the aim of better alignment of regional and local activities through the identification of the technologies and innovative solutions.



The S3PEnergy allows its members to share experiences and activities on innovation and energy-related policies and establish partnerships between regions and Member States that have identified renewable energy technologies and innovative energy solutions as priorities in their S3.



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What does the S3PEnergy expect from Member States and regions?



BENEFITING from the S3PEnergy hub position.



COLLABORATING with territorial actors of EU regions and Member States.



COOPERATING SPIRIT with other S3PEnergy members.



SHARING INFORMATION on related initiatives, key results and good practices.

BEING AWARE of (and committed with) the significance of bottom-up approach in Smart Specialisation.

ACTIVATING PARTICIPATION in S3PEnergy activities and feedback request.



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Who is part of S3PEnergy?



THE EUROPEAN COMMISSION

Through joint action between DG REGIO, DG ENER and the DG Joint Research Centre.



MEMBER STATES AND REGIONS

lead the implementation of S3 innovation and energy-related priorities in joint cooperation with business, research, education sectors and civil society.

Everyone related to energy innovation!



of Member States and regions who designed a Smart Specialisation Strategy have set energy as a priority.

€40 BILLION

have been allocated from the European Cohesion Policy to support investment in the low carbon economy transition.
(Thematic Objective 4)

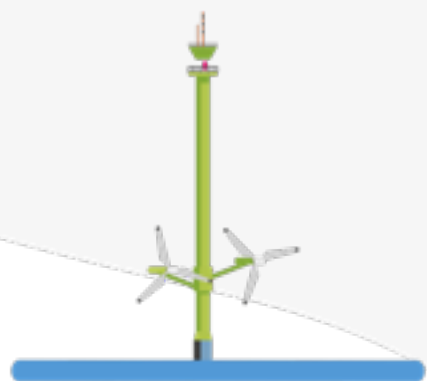


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BIOENERGY



**MARINE
RENEWABLE
ENERGY**



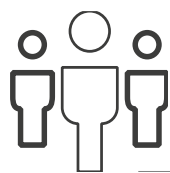
**SMART
GRIDS**



**SOLAR
ENERGY**



**SUSTAINABLE
BUILDINGS**



Leaders

Led by **Lapland** region (FI) and **Castille and Leon** (ES), the partnership has engaged the participation of

25

REGIONS AND
MEMBER STATES



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Castille and Leon
(ES)



Lapland
(FI)



This interregional partnership aims at developing a collaborative framework to facilitate joint business among EU regions with **bioenergy**-related priorities in their Smart Specialisation Strategies.



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Interregional collaboration

- Support the development and enhancement of **European interregional collaboration** based on areas of Smart Specialisation.
- Facilitate the exchange of experience, **mutual learning and cooperation to achieve better matching of business entities with research**, as well as innovation actors with their business counterparts.
- Prepare guidance material on the role of **regional authorities in co-creating and developing European value chains** in key Smart Specialisation niches
- Also through tailored guidance for **access to finance for investment projects** that result from the platform (ESIF, Horizon 2020, etc.)



Research for policy...

Synergies with Interreg

Capitalising on Smart Specialisation and Interreg, the case of energy

- Two instruments of the EU Cohesion Policy: S3 and Interreg
- Illustrate the experience of S3PEnergy interregional partnerships
- Case studies: cross-border, interregional and transnational
- Examples of on-going synergies (e.g. BUILD2LC, Bioenergy)

Available at: <http://s3platform.jrc.ec.europa.eu/knowledge-repository>



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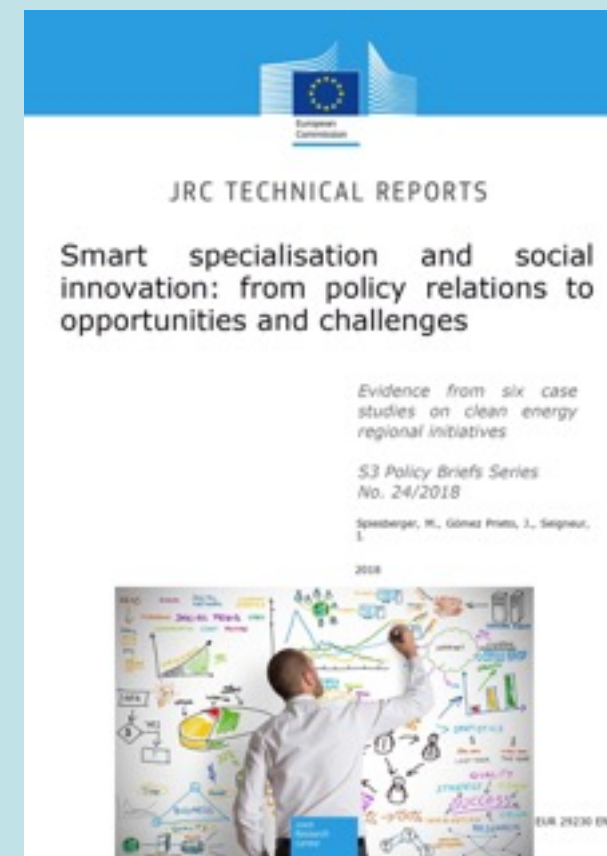
Research for policy...

Social Innovation

Smart Specialisation and Social Innovation, from policy relations to opportunities and challenges

- Social Innovation driving the whole transition process in the energy field.
- Case studies
 - Green energy cooperatives
 - Energy poverty
 - Crowdfunding
 - Social economy
- Concludes:
 - need of regional strategic thinking combined with regulation support
 - Good level of citizens involvement
 - Local and decentralised nature of social innovation action in energy is key

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Research for policy...

Good practices

Good practices for Smart Specialisation in Energy

- **Methodology** for identification of Good Practices.
- **Criteria**
 - Eligible criteria (part of S3, use of ESIF, implemented)
 - Relevance criteria (innovative character, 3 out of 4 helix)
 - Optional quality criteria (interregional coop, transferability of GP)
- **11 Good Practices** identified:
 - Joint purchase of solar energy (North Karelia)
 - Smart grids as industrial catalyst (Brittany)
 - Bioenergy and business incubator (Aleantejo)
- **Questionnaire** on-line, continuous basis



Bidelek Sareak,
Advanced smart grids



BioBIP, Bioenergy and
business incubator



Ilmastokatu, Climate
Street



Joint purchase of solar
power



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Targeted tools...

Supporting EU Regions specialised in energy

- **ESIF Energy**, to search within European Structural and Investment Funds (ESIF) Operational Programmes (OPs) which countries and regions plan to invest in different energy areas

<http://s3platform.jrc.ec.europa.eu/esif-energy>

- **Update of EYE@RIS3**, Investment priorities for innovation across Europe. Updated in Sept 2017

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

- **Smart Grids interactive tool**, 2017

<http://ses.jrc.ec.europa.eu/smart-grid-interactive-tool>

- **SETIS**, strategic energy technologies information system

<https://setis.ec.europa.eu/about-setis/community>



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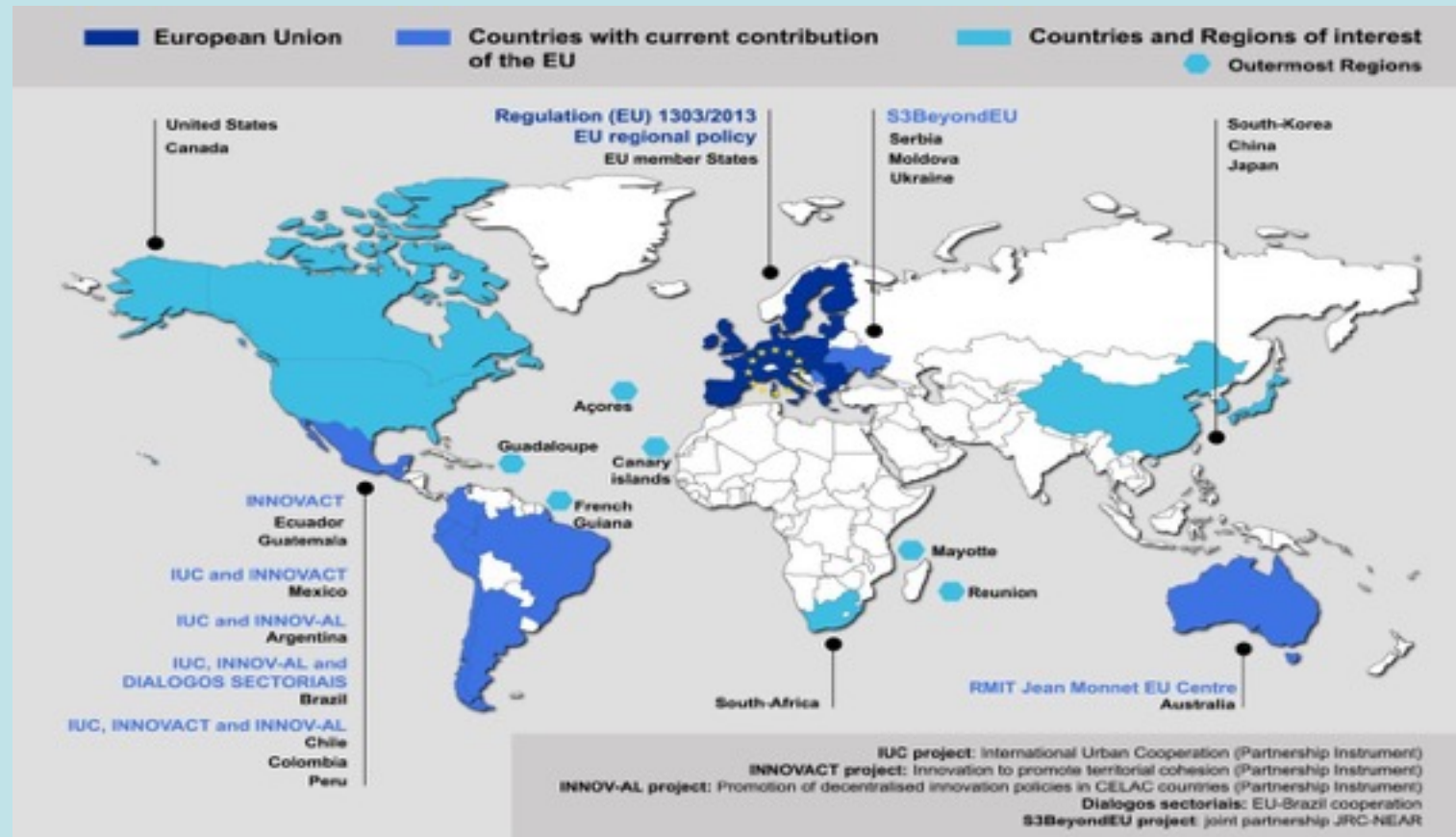


... outward dimension of EU interregional partnerships

#S3Worldwide

Current EU contribution

- Latin America
- Australia
- Subsaharan Africa
- Tunisia
- Serbia
- Moldova
- Ukraine



Countries/regions of interest

- United States
- Canada
- South Korea
- China
- Japan
- South Africa



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Thanks

