The Smart Specialisation Platform on Energy

S3P-ENERGY

Moritz Haller, JRC, Istanbul, 22 January 2016

www.jrc.ec.europa.eu
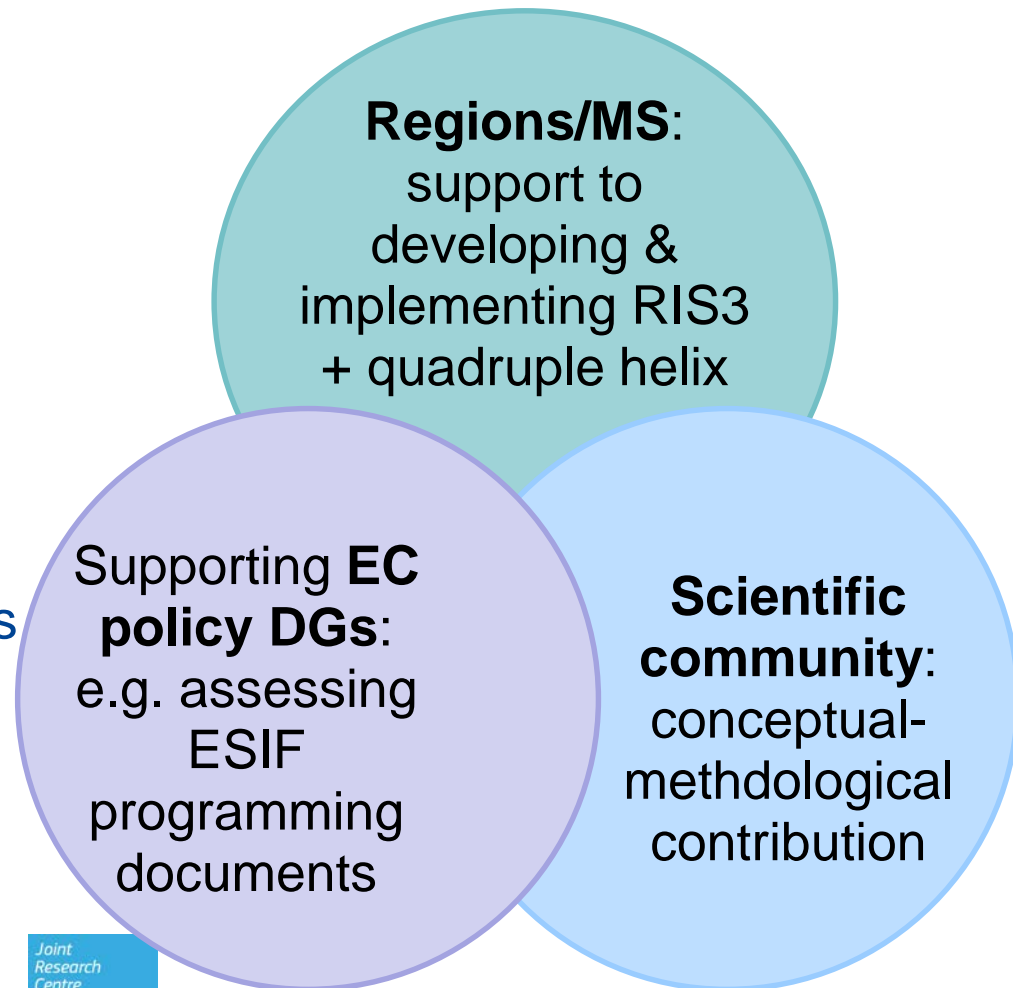
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Roles of the S3 Platform

Provides science-based professional advice to EU, national and regional policy-makers for research & innovation strategies to make better use of the ESIF.

A team of 22 researchers, scientists and experts in Seville

Regions/MS: support to developing & implementing RIS3 + quadruple helix

Supporting **EC policy DGs**: e.g. assessing ESIF programming documents

Scientific community: conceptual-methdological contribution

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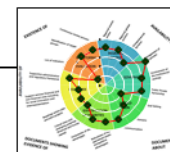# Support for S3 (Macro-regional) Cooperation

S3 Website & Newsletters

Analysis, Policy Briefs, Working Papers

Eye@RIS3 tool for finding & match-making regions with related R&I priorities

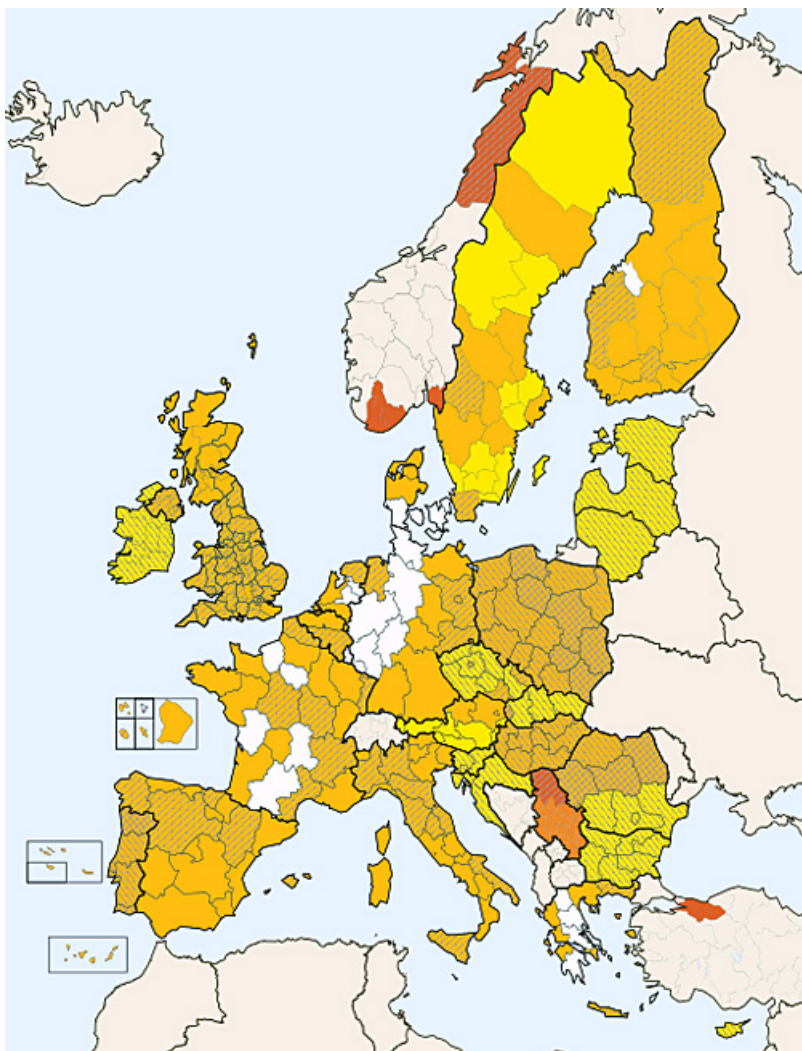Trans-national learning, Peer Review & thematic workshops

Inter-regional trade and competition tool

SMART SPECIALISATION PLATFORM

Support to the macro-regional strategies: EUSDR + EUSBSR, EUSAIR, etc.

Regional benchmarking tool – searches for structurally similar regions

DANUBE REGION strategy

EUSBSR EU STRATEGY FOR THE BALTIC SEA REGION

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3

S3 Platform - some achievements:

Wide membership: *163 regions from 28 MS + 6 Non-EU regions, + 1 non-EU country*

Strong endorsement *by national/regional policy makers: average 4.5/5 satisfaction rankings (86% rankings at least 4/5)*
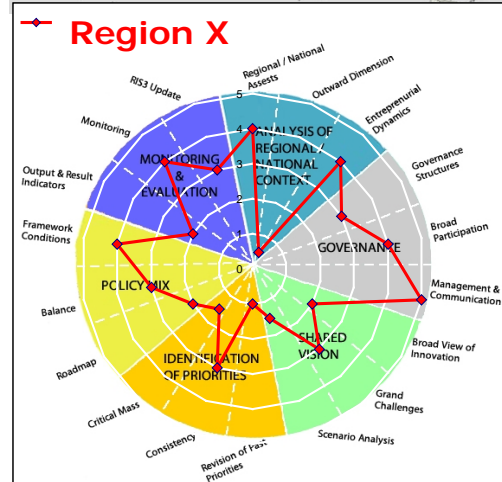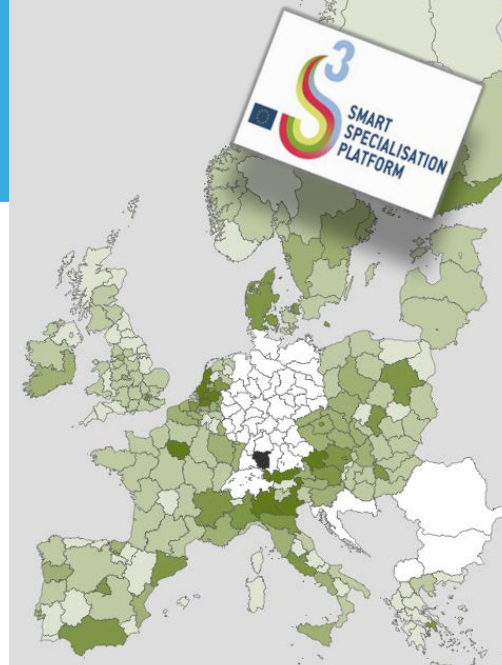
High "fidelity rate": *>50% of regions attending workshops come back*

Political endorsement at EU level: *EC (REGIO: Hahn/Cretu), EP (Winkler/Schulz), CoR (Markkula), Council (Van Rompuy/Tusk)*

S3 mutual learning events, S3 peer-reviews

S3/OP assessments together with REGIO

Close cooperation with NEAR

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S3P Supporting the S3 Process from RIS3 Guide

through streamlined "easy-to-use" (Self-)Assessment Tool & other S3 Tools

to RIS3 Peer-Review
 & Mutual Learning exercises
& Encoding of the S3 priorities

Why is collaboration so important under the smart specialisation framework?

Globalised networks and economy call for regional innovation policy:

- that goes beyond regional/national borders
- that takes into account the degree to which actors in a region are able to connect to and benefit from global innovation networks and value chains

Place-based approach in S3
to avoid fragmentation, but depends
on connectedness in order to succeed

- critical mass – collaboration can help in joining forces and sharing resources
- similar or complementary specialisations – combining similar or complementary competences and finding peculiar role in global value chains
- knowledge cumulating – mutual learning tools help aggregate knowledge and make it available to open communities

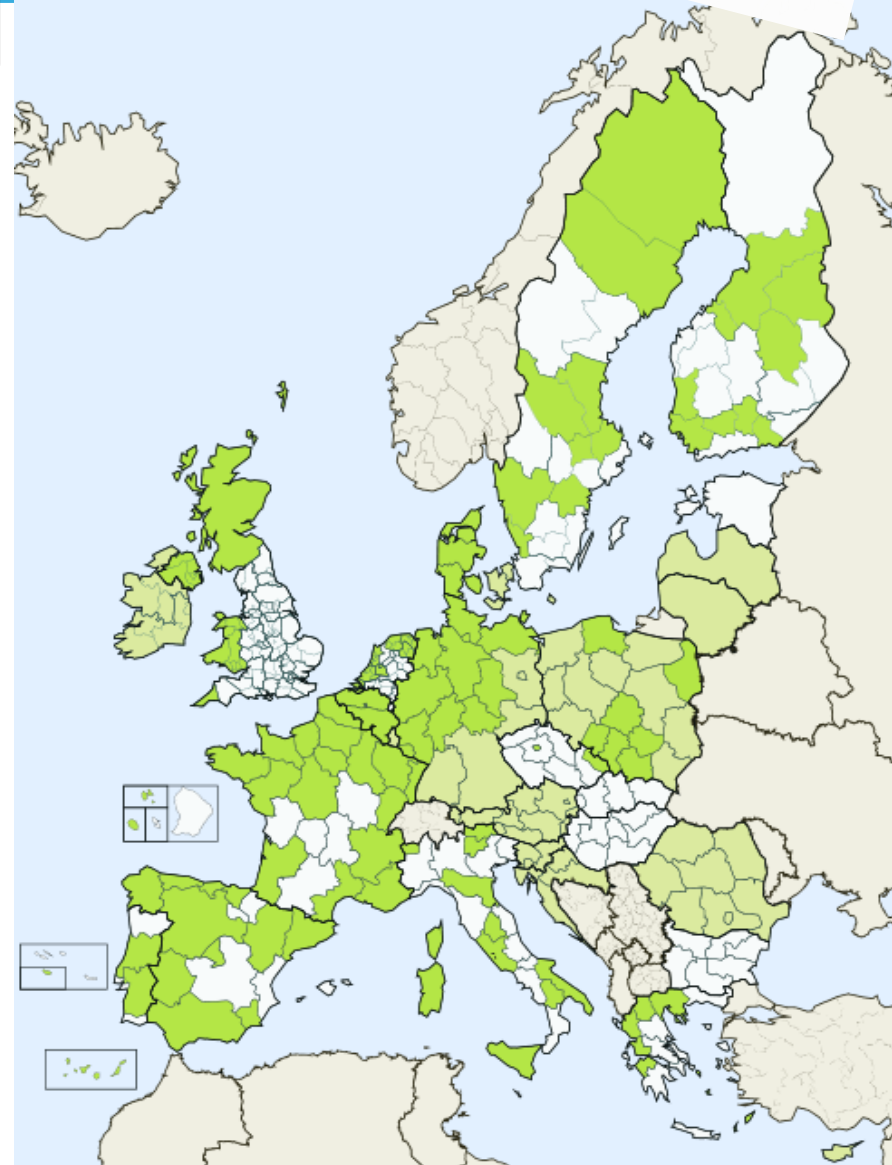**EU-28 Energy priorities**
in online Eye@RIS3 tool

Energy is the **most popular**
priority in S3

2/3 of all regions have chosen an
energy priority.

- 12 countries
- 100 EU regions
- some both at the national and regional level –
  e.g. DE, DK, PL

EU Countries with Encoded S3 Priorities

EU Regions with Encoded S3 Priorities

The EU Energy Security Strategy

The **EU IMPORTS 53% of the Energy it consumes**, which accounts for more than 1 Billion € per day!
Energy dependency: **42% of Solid Fuels**
66% of Gas   (39% from RUS)
90% of Oil   (33% from RUS)

OBJECTIVES
Attain EU Energy Security targets:

- **Increasing energy efficiency and reaching the proposed 2030 energy and climate goals;**

- **Increasing energy production in the EU and diversifying supplier countries and routes;**

- **Completing the internal energy market and building missing infrastructure links to quickly respond to supply disruptions;**

- **Harmonizing external energy policy;**

- **Strengthening emergency and solidarity mechanisms and protecting critical infrastructure.**

Commission's Energy Union Strategy

"The Energy Union needs an **integrated** governance and **monitoring** process, to make sure that energy-related actions at **European**, **regional**, **national** and **local** level all contribute to the Energy Union's objectives."

OBJECTIVES
Attain Energy & Climate Targets

By 2030, the EU aims to cut greenhouse gas emissions by at least 40%, boost renewable energy by at least 27%, and improve energy efficiency by at least 27%.

CO_2

2020	-20%
2030	≤40%

2020	+20%
2030	≥27%

2020	+20%
2030	≥27%

Research Centre

JRC's multidisciplinary competences in

- energy,
- innovation,
- regional policy…

…integrated in a single project.

DG ENER

DG JRC

DG REGIO

Institute for Prospective Technological Studies (IPTS)

Institute for Energy and Transport (IET)

- **IPTS Units:**
1. **S3 Platform**, Knowledge for Growth – **lead partner**
2. Economics of Climate Change, Energy and Transport

- **IET Units:**
3. Energy Conversion & Storage Technologies
4. Energy Technology Policy Outlook
5. Renewables & Energy Efficiency
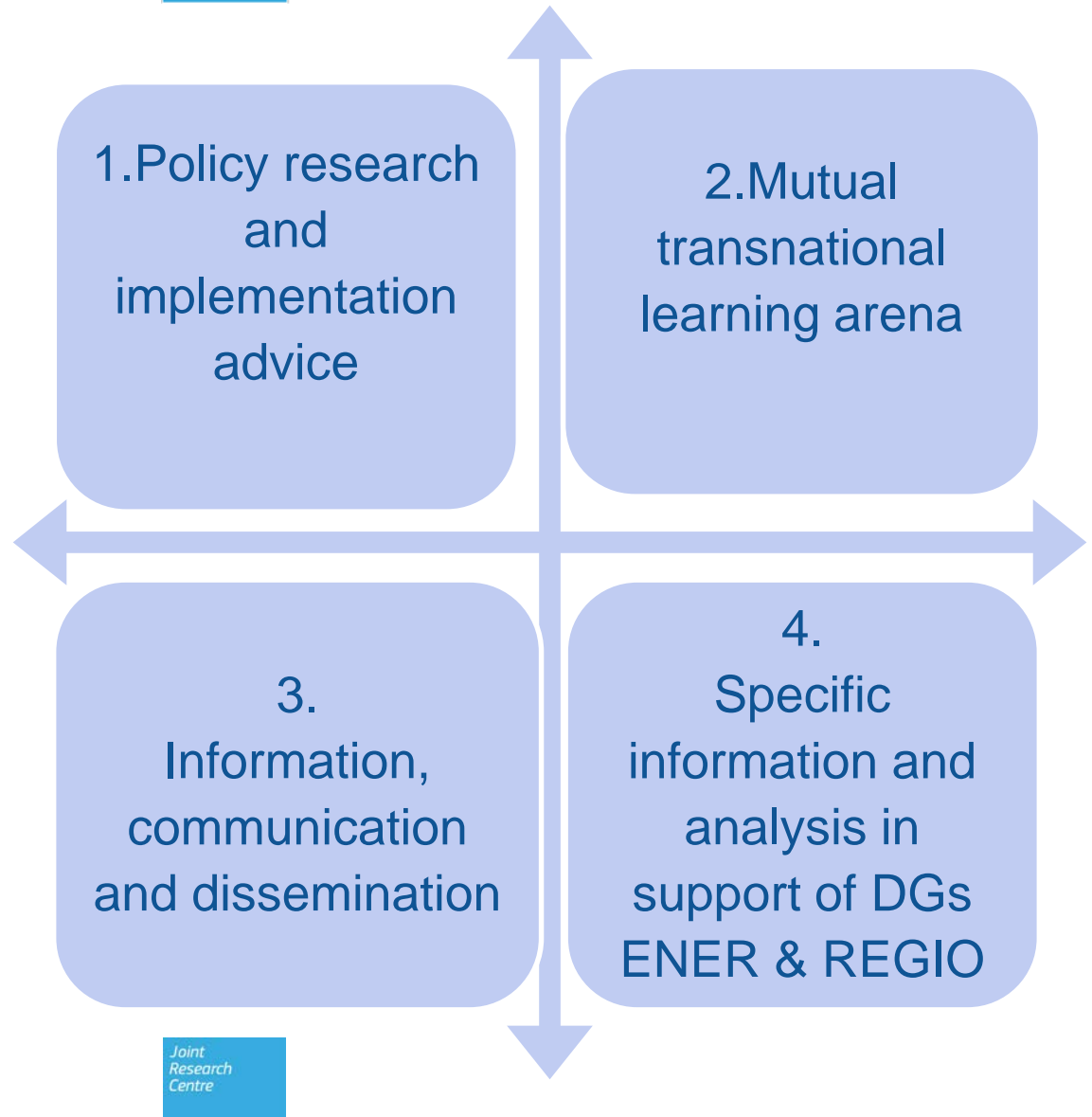- 6. Energy Security, Systems and Market

Objectives:

- Optimal uptake of the Cohesion Policy funds for Energy

- Align energy innovation at national, regional and local level with the EU priorities

1. Policy research and implementation advice

2. Mutual transnational learning arena

3. Information, communication and dissemination

4. Specific information and analysis in support of DGs ENER & REGIO

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WP1
Policy research and implementation advice

Mapping, knowledge development, analysis of:

- S3 energy-related priorities

- trends and geographical distribution of energy-related priorities

- Cohesion Policy funding for energy

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WP2

Mutual transnational learning

Thematic advice and matchmaking

for regions:

- Identification of problem areas and
  intervention-related issues, e.g. indicators
  and policy instruments

- Encouraging the active engagement of regions/MS on
  knowledge sharing, including stakeholders
- Facilitating regional specific cooperation on energy

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WP3 Information,

communication, dissemination

Web pages & info sheets

- A dedicated part within the S3 Platform portal with links to the partners
- Specific websites or fiches on specific energy topics
- Facilitating the sharing of good practices on the web
- Dissemination of information through the monthly S3 Newsletter

Events on Cohesion Policy funding for energy

- High-level events
- Contribution to Open Days and EU Sustainable Energy Week
- Participation to events organised by regions/MS and Energy technologies' stakeholders

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WP 4

Specific information and analysis in support of DGs ENER and REGIO

Benefiting from a hub position, feedback from regions will be conveyed, including:

- Overviews of good practice examples
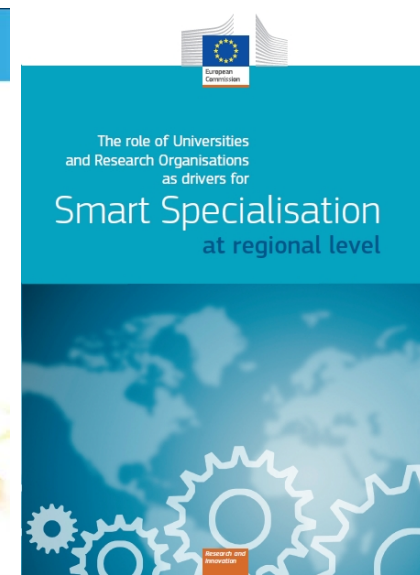- Analytical reports supporting policy-related topics

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Universities and other Higher Education Institutions (HEIs)

Boundary spanners - bridging all three elements of the 'Knowledge Triangle' (Research, Education and Innovation).

- Generation of knowledge and priority setting through an entrepreneurial process of discovery

- Absorption of knowledge and assessment
- of demand for S3 priorities

- Collaboration between innovation actors

- Leadership

JRC SCIENTIFIC AND POLICY REPORTS

Universities and Smart Specialisation

S3 Policy Brief Series
No. 03/2013

Louise Kempton, John Goddard,
John Edwards, Fatime Barbara Hegyi
and Susana Elena-Pérez
2013

The role of Universities
and Research Organisations
as drivers for
Smart Specialisation
at regional level

JRC S3 Knowledge Repository

- S3 Policy Brief "Developing Danube R&I Projects across Borders – How to Make the Joint Use of EC Funds a Reality?"

- S3 Technical Report - "Research and Technology Organisations and Smart Specialisation"

- S3 Technical Report - "Monitoring Mechanisms for Smart Specialisation Strategies"

http://s3platform.jrc.ec.europa.eu/knowledge-repository

Upcoming S3 events

- 21-22 Jan, Istanbul: Thematic seminar on Hydropower energy
- 4 Feb, Brussels: JRC-COST workshop "The role of city-regions for a low carbon-economy"
- 18-19 Feb, Chisinau: S3 Design Learning Workshop
- July, Karlsruhe: Smart Energy Regions event

Thank you for your attention!

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

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