



Smart Specialisation Platform on Energy

Innovative Energy Solutions for European Regions and Cities - in the context of the Knowledge Exchange Platform (KEP)

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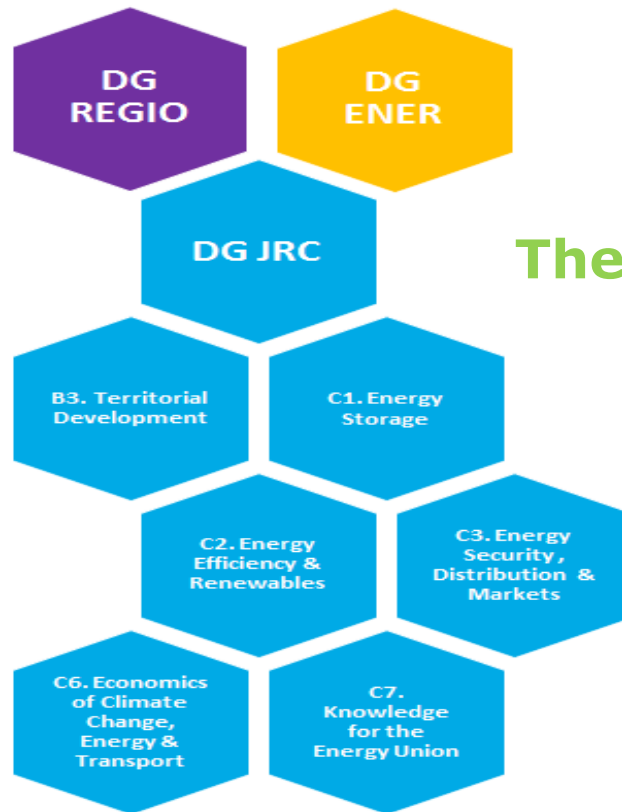
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Smart Specialisation Platform on Energy



Thematic Objectives
1, 4 & 7



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What is **Smart** **Specialisation**?

- = **fact-based**: all assets + capabilities + bottlenecks in a region, incl. external perspective, cooperation potential, global value chains
- = no top-down decision but **dynamic entrepreneurial discovery process** uniting key stakeholders around shared vision
- = **all forms of innovation**, not only technology-driven, existing / new knowledge
- = **ecosystem** approach: creating environment for change, efficiency of institutions
- = **differentiation**: focus on competitive advantages, potential for excellence, emerging opportunities, market niches
- = **concentration** of resources on priorities, problems and core needs, for critical mass/critical potential
- = **synergies** across different departments and governance levels (EU-national-regional); cross-sector/technology links
- = **place-based economic transformation**: rejuvenate traditional sectors through higher-value activities

EDP Process



Business

Manufacturing and services
Primary sectors
Financial sector
Creative industries
Enterprises (large and SMEs)
Clusters and organisations



Research

Public and private research
bodies
Universities
Education and training
VET centres
Science and technology parks
Technology transfer offices



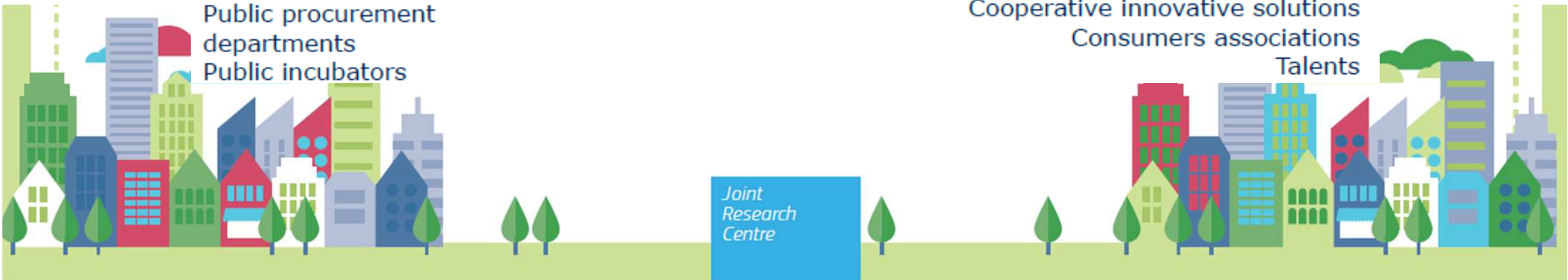
Public administration

Different government levels
Energy and innovation agencies
Regional development agencies
Business advice offices
Public procurement
departments
Public incubators



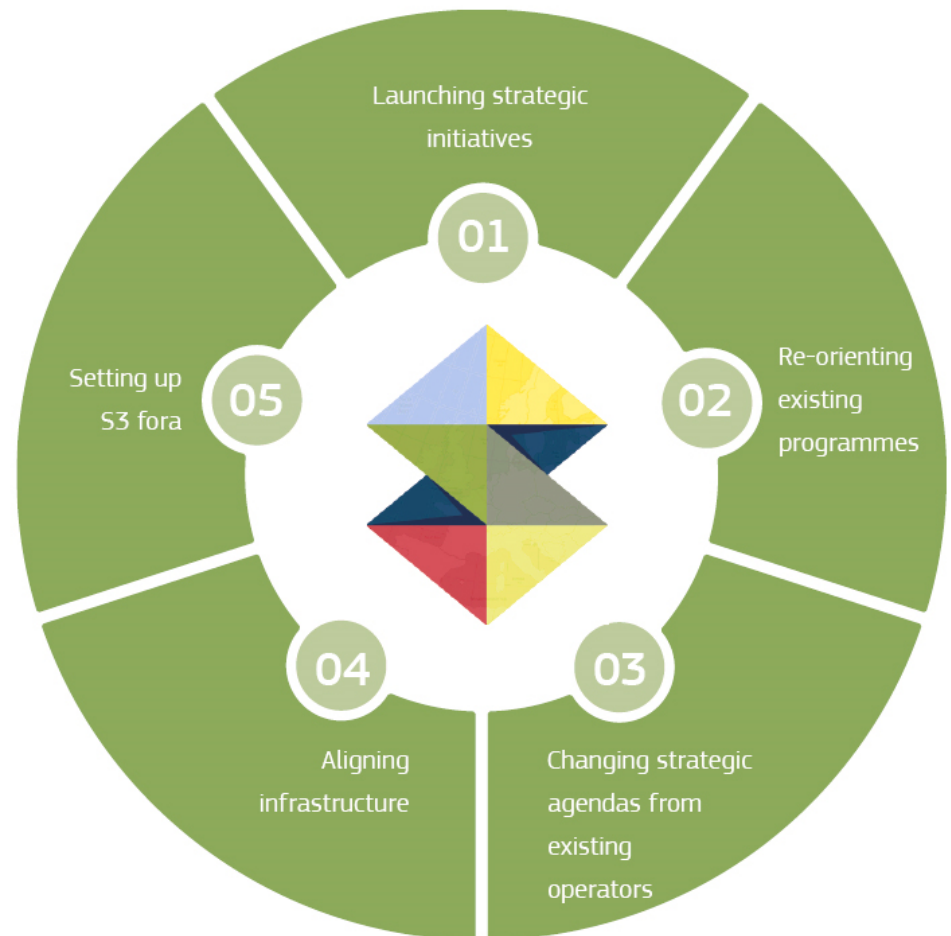
Civil society/ Users

Non-Governmental
Organisations
Citizens' initiatives
Societal challenges
Cooperative innovative solutions
Consumers associations
Talents



From priorities to projects

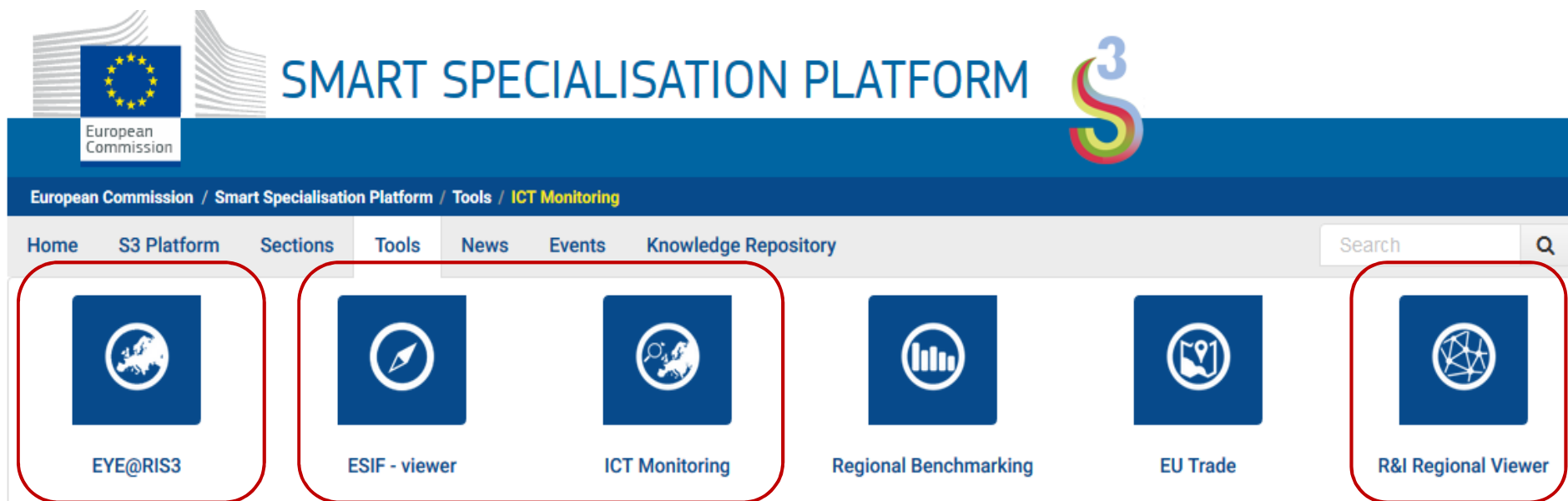
- What policies should be gathered under the S3 umbrella?
- How to select projects?
- What challenges need to be addressed for implementing S3 successfully?





Useful tools on the Smart Specialisation Platform

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



RIS3 priorities



OPs

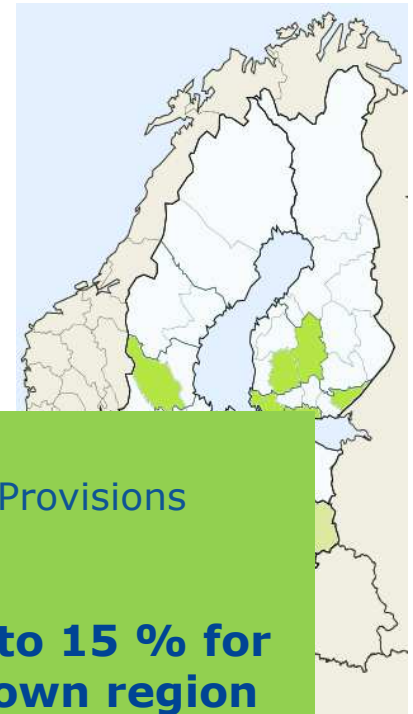
Identification of S3 energy priorities, based on information provided by EU Regions

Smart Specialisation Strategies with a priority in **Smart Cities, Smart Grids** and/or **Smart Metering**

- Etelä-Karjala (FI)
- Helsinki-Uusimaa (FI)
- Keski Suomi (FI)
- Pirkanmaa (FI)
- Varsinais-Suomi (FI)
- Berlin (DE)
- Schleswig-Holstein (DE)
- Germany (on a national level)

Art 70b –of the funds under the Common Provisions Regulation (Reg. (EU) No 1303/2013)

offers the possibility of using up to 15 % for cooperation on S3 outside one's own region



Source: **S3 Tool EYE@RIS3**
<http://s3platform.jrc.ec.europa.eu/map>



European
Commission

#S3PEnergy

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Interregional partnerships

Open Invitation to EU MS & Regions

OPEN INVITATION TO EU REGIONS FOR

Smart interregional cooperation in Energy

Bioenergy **Sustainable Construction** **Marine Offshore** **Smart Grids**

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S3 partnership in **Sustainable buildings**

Lead region: Andalusia (ES)

Interested regions/countries: Brussels-Capital Region, Vlaams Gewest (BE), Praga (CZ), Weser-Ems (DE), South Estonia (EE), Irlanda (IE), Asturias, Cataluña, Valencia, Extremadura, Murcia, Castilla Leon (ES), PACA, Grand Est (FR), Campaña, Lazio (IT), Cyprus (CY), Lithuania (LT), South Transdanubian, Észak-Alföld (HU), Opolskie, Podkarpackie, Podlaskie, Pomorskie, Resowia Silesia, Slaskie (PL), Lisboa (PT), Gorenjska (SI), Slovakia (SK), Lapland, Etelä-Karjala (FI), Jatland, Västerbotten (SE) and Cornwall and Isles of Scilly (UK).

Potential topics related to S3 energy priorities: energy rehabilitation of buildings, urban renovation, competitiveness and innovation of companies in the construction sector, skilled employment and reduction of energy poverty, energy efficiency, environmental protection, balanced urban development, social cohesion, quality employment engaging the entire value chain, among others.

Identified links with other initiatives: Interreg Europe project BUILD2L, ERRIN Energy Working Group; etc.

S3 partnership in **Marine Renewable Energy**

Lead regions: País Vasco (ES) & Scotland (UK), as co-leaders of the ADMA Energy Pilot of the Vanguard Initiative.

Participating/*interested* regions/countries: Vlaams Gewest (BE), Syddanmark (DK) Andalusia, Asturias, Navarra (ES), Emilia-Romagna, Lombardia (IT), Norte (PT), Ostrobothnia (FI), Dalarna, Skåne (SE), *Cornwall and Isles of Scilly (UK), Bretagne, Normandie (FR), Sogn og Fjordane (NO), Pomorskie (PL), Weser Ems (DE), Ireland (IE).*

Potential topics related to S3 energy priorities: offshore wind energy, ocean energy (wave and tidal): manufacturing of large components; power transfer and conversion; corrosion in water; sensing, instrumentation and monitoring; O&M optimisation; testing and demonstration in real environments.

Identified links with other initiatives: ADMA Pilot of the Vanguard Initiative; Conference of Peripheral and Maritime Regions (CPMR); regional clusters; Ocean Energy Europe; Ocean Energy Forum; OceanEra-Net; Horizon 2020 projects (e.g. ETIPWind, ETIP OCEAN); Interreg projects, etc.



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S3 partnership in **Bioenergy**

Lead region: Lapland (FI) and Castile and Leon (ES)

Interested regions: Nordjylland (DK), Weser-Ems (DE), South- Estonia (EE), Ireland (IE), Asturias, Catalonia, Extremadura Valencia (ES), Grand Est, Normandie (FR), Észak-Alföld (HU), South Tyrol (IT), Northern Netherland (NL), Pomorskie, Slaskie, Opolskie, Podlaskie (PL), North-East (RO), Slovenia (SI), Slovakia (SK), East and North Finland, North Karelia (FI), Östergötland / East Sweden, Region Värmland, Västerbotten (SE), Cornwall and Isles of Scilly (UK),

Potential topics related to S3 energy priorities: wood flow from forest to industry, forest or non-food agricultural origins of wood, biogas and biomass, local value chains, improvement of district heating and energy efficiency, differentiate from previous food-based and first generation of biofuel initiatives, among others.

Identified links with other initiatives: ERRIN bioeconomy Working Group and its bioeconomy regional mapping; [JRC bioeconomy observatory](#); Vanguard Initiative on bioeconomy; Committee of the Regions and its Knowledge exchange platform on bioeconomy; EU-funded projects such as Bioregions; bioenergy regional initiatives such as the German Bioenergie Regionen, etc.



S3 partnership in **Smart-Grids**

Lead regions: País Vasco (ES) & Provence- Alpes-Côte d'Azur (FR)

Interested regions: Pomorskie (PO), Algarve (PT), Bretagne, Northern Netherlands (NE), South Trans- Danubian (HU), Andalusia, North-Midsweden (SE), West Finland (FI), Apulia (IT), Slovenia, Lithuania.

Topics

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Next steps

- Regular meeting with leaders / co-leaders;
- attract more regions;
- define governance rules;
- identify working methodology;
- establish action plan 2017
- develop operative synergies with related-initiatives

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Conclusion



Smart Specialisation Platform on Energy

Inter-Service EC initiative



Interregional partnerships

- Bioenergy
- sustainable construction
- Marine Offshore and
- Smart-Grids

EU regions benefit of S3PEnergy

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





More information S3P website



<http://s3platform.jrc.ec.europa.eu/s3p-energy>

Thank you