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**European Week**  
Brussels 9-12 October 2017

# Good practices in implementing S3 in the field of Energy

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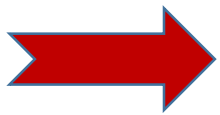
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## Issue

- Smart specialisation strategies (S3) have been set as a pre-condition for using Structural Funds (ESIF), aiming at a more efficient use of these funds in the field of **R&D and innovation**
- Smart specialisation domains have been defined in each country/region. Many of them focus on energy transition through innovation: they are also of concern for the field of **Energy/Low Carbon Economy**



How to implement S3 in the field of Energy?

How to combine funds/efforts in different policy fields?



## Method

- Collection of **examples of good practices** in implementing S3 in the field of Energy
- A good practice: is **effective** in addressing a given problem and/or in reaching a certain goal; it provides **sources of inspiration** for others confronted with similar problems and/or aiming at reaching similar goals
- **Criteria** for good practice in implementing S3 in Energy:

Eligible good practice	Relevant good practice
Within a S3 domain	Framed along the S3 concept
Implemented	Innovative character
Use of ESIF (T01 and/or T04)	Minimum 3 out of 4 “pillars” of quadruple helix
	Outcome-oriented

## Outputs

- **11 Pilot demonstration cases** of good practices, based on a template including keywords and free text (2017)
- A searchable **database of good practices**, to be built from responses to call for expression of interest (2018)
- **Content of cases:**
  - **Identification**: name, references, contact, energy topic
  - **Description**: short summary, S3 domain, challenge addressed and objective, type of innovation, history, governance, stakeholders, beneficiaries, implementation, funding sources, results, future perspectives
  - **Highlights**: most successful and most problematic issues, lessons learned, ideas for transfer of good practice



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## The scope of pilot cases

- **11 Pilot cases from 5 countries:** 4 FI, 3 FR, 2 ES, 1 NL, 1 PT
- **Energy topics:** 3 Smart grids, 2 Strategy for low carbon economy, 2 Solar energy, 2 Bioenergy, 1 Marine Renewable Energy, 1 Sustainable buildings
  - ➔ **Strong interest in strategic approaches**
- **Type of innovation:** technological innovation dominant but by far not only: managerial, social, service, public sector, system innovations also present
  - ➔ **Broad view on innovation**
- **Nature of cases:** Key actors platforms, strategic programmes and flagship/portfolio projects are the most common initiatives. Frequent international cooperation. Future-oriented initiatives
  - ➔ **High ambition/high impact potential**



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## **Highlights from pilot cases -1**

- **Integration of economic and sustainability goals**  
E.g. Bidelek Sareak advanced smart grids Basque country
- **Crossing policy domains - integrated initiatives**  
E.g. Roadmap towards oil-free and low-carbon North Karelia
- **Shared governance: multiple stakeholders, quadruple helix**  
E.g. SMILE smart grid model Brittany
- **Strong role of local communities and authorities**  
E.g. Arctic smartness decentralised renewable energy solutions Lapland
- **Innovative solutions with strong replicability (« showcase »)**  
E.g. Flexgrid Provence-Alpes – Côte d'Azur



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## Highlights from pilot cases -2

- **Synergies between ESIF funding lines**  
E.g. S3 and Energy: finding synergies between support instruments in the Northern Netherlands
- **Smart combination of public funding sources: regional, local, national, ESIF (T01, T04, Interreg), H2020...**  
E.g. Marine renewable energies roadmap Brittany
- **Alignment with regional and national strategies**  
E.g. Climate street Helsinki
- **Private sector investments and industrial impact**  
E.g. Biobip incubator Alentejo
- **International cooperation and regional strategic alliances**  
E.g. Sustainable Construction Programme PICSA Andalusia



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## **Challenges for implementing S3 in Energy**

- 1. Managing **multi-stakeholders** portfolio of projects**
- 2. Matching funding instruments with integrated strategies, decreasing **fragmentation** of support instruments**
- 3. Achieving wide-ranging **system change**: decentralization, regulation, consumers' attitude, authorities cooperation**
- 4. Anticipating **market trends** and setting realistic targets**
- 5. Establishing **monitoring systems** for integrated initiatives**





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## **To view the pilot good practice cases**

**See the webpage of S3PEnergy:**

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

## **To communicate your good practice case**

**Mail to S3PEnergy**

**JRC-B3-S3PLATFORM-ENERGY@ec.europa.eu**