



# "Smart Specialisation platform on Energy. European interregional partnerships for the implementation of the Smart Strategy"

- 5 ongoing cross-regional partnerships: objectives and state-of-progress
  - « Smart Grids »
  - « Solar Power »
  - « Marine Renewable Energy »
  - « Bio-Energy »
  - « Sustainable Buildings »
- Key issues & lessons learned

## Common denominator:

- Speed up uptake solutions for more efficient / more coherent energy production / consumption
- Mutual learning
- Vision-Scoping-Mapping-Matching-Demonstration-Implementation



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## « Smart Grids »

### 1. Regions:

- **Basque Country (ES) lead, Provence-Alpes-Côte d'Azur (FR) lead, Algarve (PT), Bretagne (FR), Cyprus (CY), Ostrobothnia (FI), Pomorskie (PL), Puglia (IT), Slovenia (SI)**

### 2. Key objectives:

- Targeting regions with capacities in technologies/solutions for smart grids deployment
- Aim: optimisation of power grid management within the region

### 3. Process up to now:

- Workshop (05/07/2017)
- Preparatory questionnaire and analysis (12/09/2017)
- Detailed interviews on needs, priorities and funding opportunities with technical experts and regional representatives (September 2017)
- Workshop (05/10/2017)

### 4. Next Steps:

- Second level mapping based on workshop outcomes
- Draft scoping note development based on Workshop outcomes
- Meeting in Seville (December 2017)

## « Solar Power »

### 1. Regions:

- **Extremadura** (ES) *lead*, additional region

### 2. Key objectives:

- CSP/STE (Concentrated Solar Power/Solar thermal electricity): producing electricity and circulating it in the northern region as well as at providing fully commercialized environment in order to test innovations
- PV (Photovoltaic): The main goal would be to finance large scale projects

### 3. Process up to now:

- Bilateral discussions with Extremadura and ESTELA on
- Workshop with regions October 2017

### 4. Next Steps:

- Concretisation of the partnership, commitment of further regions
- Narrowing of scope



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## « Marine Renewable Energy »

### 1. Regions:

- **Scotland (UK) lead, Basque Country (ES) lead**

### 2. Key objectives:

- **Collaborate along common cross-regional initiatives / projects:**
  1. Corrosion (in MRE technologies);
  2. Manufacturing of large-scale components (including logistics);
  3. Remote sensing and monitoring (linked to -but not exclusively- corrosion);
  4. Reducing costs of repair operation & maintenance (**transversal issue**);

### 3. Process up to now:

- Analysis of concept notes (2-4)
- Advisement to regions on concept note development (2-4)

### 4. Next Steps:

- Further refining concept notes
- Identifying finance opportunities



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## « Bio-Energy »

### 1. Regions:

- **Lapland (FI)** *lead* and **Castilla y Leon (ES)** *lead*

### 2. Key objectives:

- Bio-mass and bio-fuels, for heating and cooling

### 3. Process up to now:

- First meeting (July 4<sup>th</sup>)
- Questionnaire development (shortening)
- Objective refinement

### 4. Next Steps:

- **Innovation Camp October 11<sup>th</sup> and 12<sup>th</sup>**



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## « Sustainable Buildings »

### 1. Regions:

- **Andalusia (ES) lead, Lapland Region (FI) lead, Pomorskie Region (PL) lead**

### 2. Key objectives:

- improve energy efficiency of buildings through promoting efficient and innovative solutions throughout the value chain (energy saving + renewable energy in buildings)

### 3. Process up to now:

- Exchange of information and documents on specific questions
- Scope refinement, prioritisation
- Design of value chain and questionnaire

### 4. Next Steps:

- **Innovation Camp October 11<sup>th</sup> and 12<sup>th</sup>**



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## « Commonalities »

**Important: having regions and industry are at the core of the development of the partnerships various stages**

1. Common Vision on Rationale / Mission Statement
  - As clear and targeted as possible + Think about implications ! (e.g. funding)
2. Scoping:
  - Ambitions/challenges specific areas
  - Focus ! (both specific and transversal)
  - Application- and demand-driven (industrial applications)
3. From Mapping to Matching
  - Analysis regional ambitions + missing assets (challenges) + relative strengths
  - Detecting matches
  - Value chain approach
4. Co-development (industry-driven) projects
  - Industrial validation ('reality check')
  - Attract funding
  - Monitor progress: indicators
  - Kill / launch projects
  - More than technology: certification, IPR, training !
5. Co-ordination is key