

# The European Commission's science and knowledge service

## Joint Research Centre

How to foster the  
development of Blue energies in  
the MED region?

MED Programme  
capitalisation event

10/11/2020

Javier GOMEZ PRIETO, PhD, Eng.  
Scientific Officer at JRC, European Commission

 @jagopri

# Outline

1. **Smart Specialisation** and marine renewable energy
2. Forthcoming developments (**Cohesion Policy**)
3. Fostering **the development of Blue energy in the Mediterranean**

# Smart Specialisation methodology

Methodological steps of  
Smart Specialisation



## Índice

- 1 Concepto y contexto
- 2 Gobernanza del proceso de definición de la RIS3
- 3 Análisis del Sistema de Innovación
- 4 Descubrimiento Emprendedor
- 5 Visión de Andalucía 2020
- 6 Retos y objetivos finales
- 7 Prioridades de especialización
- 8 Políticas para el desarrollo de la estrategia
- 9 Marco financiero
- 10 Seguimiento y evaluación



Available on the S3 Platform site  
<http://s3platform.jrc.ec.europa.eu>



# Interregional partnership for Smart Specialisation in marine renewable energy

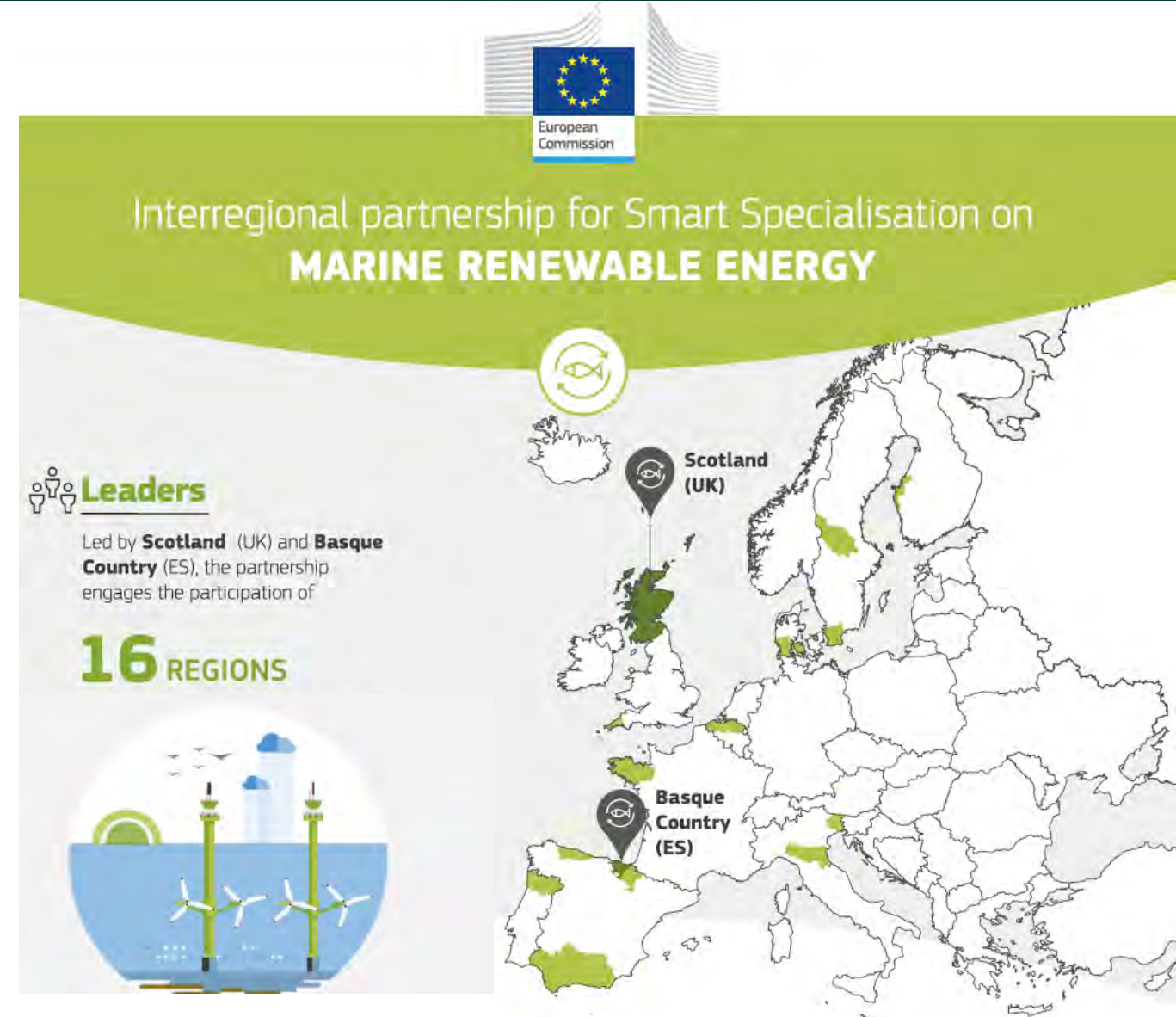
- **Co-leaders**

- Basque Country (ES)
- Scotland (UK)

- **Partners**

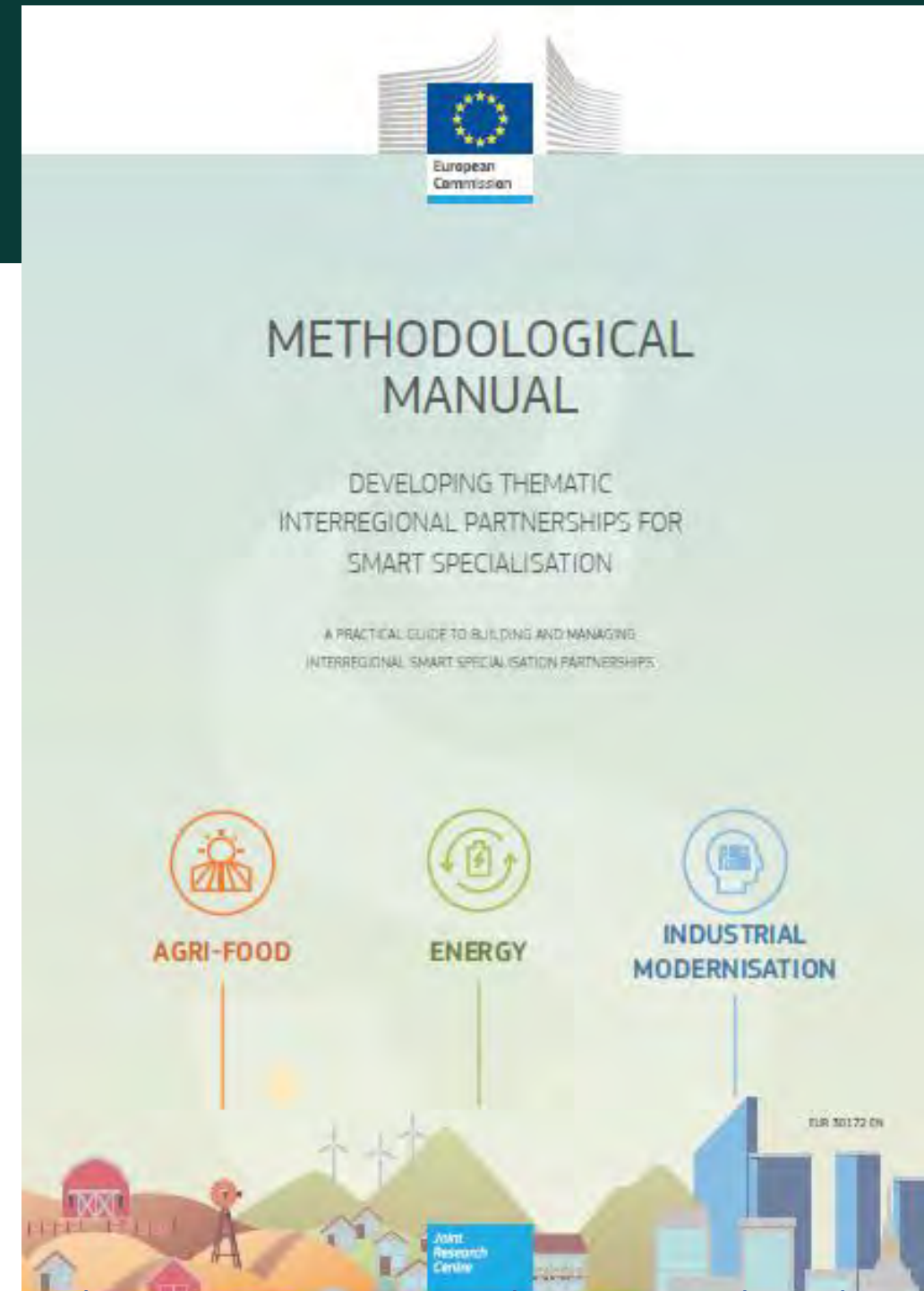
- |                  |                         |
|------------------|-------------------------|
| ■ Navarra (ES)   | ■ Syddanmark (DK)       |
| ■ Lombardia (IT) | ■ Skåne (SE)            |
| ■ Norte (PT)     | ■ Ostrobothnia (FI)     |
| ■ Flanders (BE)  | ■ Andalucía (ES)        |
| ■ Asturias (ES)  | ■ Emilia-Romagna (IT)   |
| ■ Dalarna (SE)   | ■ Cornwall (UK)         |
| ■ Brittany (FR)  | ■ Sogn og Fjordane (NO) |

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



# Interregional partnerships for Smart Specialisation

- Methodological Manual: developing interregional partnerships for smart specialisation
- **Learn Phase**
  - Complementarities and alliances
  - New knowledge
  - Governance models
- **Connect Phase**
  - Mapping regional capacities
  - Analytical tools
  - Business case
  - Engaging stakeholders



# Policy developments

## Political grounding:

### Council Conclusions on an EU Industrial Policy Strategy (May 2019): “A VISION FOR 2030”

- “HIGHLIGHTS the support that Cohesion policy can bring in **mobilising investments** in **Industrial Competitiveness** and industrial transition, also taking into consideration **Smart Specialisation Strategies**”
- “UNDERLINES the potential of the future Single Market Programme to **boost industrial modernisation** through joint cluster initiatives as well as of the new **Interregional Innovation Investment Instrument** proposed under Cohesion policy for the development of EU value chains”



# Policy developments

## Pilot S3 Projects



### Test new ways to:

- **Commercialize and scale-up** interregional innovation projects that can create or reshape European value chains
- Attract **private investment** for promising innovation projects
- Explore and strengthen **synergies between different EU instruments** (ESIF, EFSI, Horizon 2020, COSME)

List of Selected Partnerships		
THEMATIC AREA		PARTICIPATING REGIONS
 Bio-economy	Conversion of lignin/wood into new functional aromatics which outperform fossil-based aromatics	Emilia-Romagna (IT), Flanders (BE), Helsinki-Uusimaa (FI), Łódzkie (PL), Lower Austria (AT), Navarra (ES), Noord-Brabant (NL), North Rhine-Westphalia (DE), Wallonia (BE)
 Batteries	Advanced materials for batteries	Andalusia (ES), Aragon (ES), Austria (AT), Auvergne-Rhone-Alpes (FR), Baden-Württemberg (DE), Basque Country (ES), Bavaria (DE), Brussels-Capital Region (BE), Castilla Y Leon (ES), Central Ostrobothnia (FI), East Netherlands (NL), East Slovenia (SI), Emilia-Romagna (IT), Flanders (BE), Kainuu (FI), Lapland (FI), Lombardy (IT), Metropoli Region Eindhoven (NL), Navarra (ES), Northern Ostrobothnia (FI), Nouvelle-Aquitaine (FR), Pohjois-Savo (FI), Valencia (ES), Vestlandet (NO), Viken (NO), West Slovenia (SI)
 Cybersecurity	Design and test a tailored and integrated acceleration programme for scale-ups in cybersecurity across EU	Brittany (FR), Castilla Y Leon (ES), Central Finland (FI), Estonia (ET), North Rhine-Westphalia (DE)
 De- & re-manufacturing for circular economy	Composite recovery from wind energy systems and re-manufacturing of e-motors/ e-mobility batteries	Basque Country (ES), Emilia-Romagna (IT), Flanders (BE), Lombardy (IT), Norte (PT), Saxony (DE), Scotland (UK), Tampere (FI)
 High-tech farming	High tech solutions for table and wine grapes and poultry dust reduction	Central Macedonia (EL), Centro (PT), East Central Sweden (SE), Emilia-Romagna (IT), Estonia (ET), Extremadura (ES), Flanders (BE), Galicia (ES), Gelderland (NL), Limburg (BE), Marche (IT), Noord-Brabant (NL), Noord Holland (NL), North East Romania (RO), Northern Ireland (UK), Northern Netherlands (NL), Pays De la Loire (FR), South Ostrobothnia (FI), Tuscany (IT), Veneto (IT), Weser-Ems (DE), West Macedonia (EL), Zuid Holland (NL)
 3D printing	Hybrid 3DP-Carbon fiber components for chassis, trimmings and mechanical systems and knuckle/upright through metal AM produced inserts (3DP) in compression moulded fibre reinforced thermoplastic	Aragon (ES), Emilia-Romagna (IT), Flanders (BE), Lombardy (IT), Noord-Brabant (NL), Norte (PT), Saxony (DE), Wallonia (BE)
 Marine renewable energy	Sensors, instrumentation and remote monitoring	Andalusia (ES), Asturias (ES), Basque Country (ES), Brittany (FR), Cornwall (UK), Dalarna (SE), Emilia-Romagna (IT), Flanders (BE), Lombardy (IT), Navarra (ES), Norte (PT), Ostrobothnia (FI), Skåne (SE), Scotland (UK), Sogn og Fjordane (NO), South Denmark (DK)
 Sustainable buildings	Intelligent control management of electrical energy consumption and local information by smart plugs	Algarve (PT), Andalusia (ES), Central Slovenia (SI), Friuli-Venezia Giulia (IT), Provence-Alpes-Côte d'Azur (FR), South Karelia (FI)
 Traceability and big data in agri-food	A single food traceability tool	Andalusia (ES), Aragon (ES), Emilia-Romagna (IT), Extremadura (ES), Friuli-Venezia Giulia (IT), Pays De la Loire (FR), Pazardzhik (BG), South Ostrobothnia (FI), South Savo (FI)

# Interregional Innovation Investments (I3)

## ‘Component 5’ → built on results of the Pilot Action

### WHAT

Interregional innovation investments through the **commercialisation and scaling up** of interregional innovation projects having the potential to encourage the **development of European Value Chains** (component 5) (ETC Art.3.5)

### HOW MUCH

**11.5% of ETC-resources** (i.e. a total of 970 MEUR) for I3 (ETC Art.9.2) Budget split shared (ETC) and direct/indirect but **REDUCED BY MFF DECISION!**

### HOW

It shall be implemented under **direct or indirect management** (ETC Art.16.1)

### FOR WHOM

At the initiative of the Commission, the **ERDF may support Interregional Innovation Investments**, as set out in point 5 of Article 3, bringing together **researchers, businesses, civil society and public administrations involved in S3 established at national or regional levels** (ETC Art.61)



# Financial and advisory support for (I3) 'Component 5'

## Strand 1 - Investments in Interregional Innovation Projects

- **Supporting partnerships** to develop, connect or make complementary use of testing and demonstration facilities to **accelerate market uptake and scale-up of innovation solutions** in **shared S3 priority areas**.
- Managed through support to the development of a portfolio of projects by selected partnerships.

## Strand 2 - Development of Value Chains in Less Developed Regions

- **Increasing the capacity of regional innovation eco-systems** in less developed regions to participate in GVCs as well as the capacity to participate in partnerships with other regions.
- **Creating linkages** between less developed regions and those in lead regions.
- Focus on foreign direct investment-driven Value Chains & other emerging sectors.

- Strand 3 - Learning Activities, Evaluation and Capitalisation

# How to foster blue energy in MED region?

- Place-based innovation supported by smart specialisation processes
- Strategic capitalisation focused on commercialising and scaling up results of previous projects
- Assuring policy coherence at EU, national and local level

# Many thanks!



[ec.europa.eu/jrc](https://ec.europa.eu/jrc)



[@EU\\_ScienceHub](https://twitter.com/EU_ScienceHub)



[EU Science Hub - Joint Research Centre](#)



[Joint Research Centre](#)



[EU Science Hub](#)

**Javier GOMEZ PRIETO, PhD, Ing.**

Scientific Officer at JRC, European Commission

 [@jagopri](https://twitter.com/jagopri)

 [javier.gomez@ec.europa.eu](mailto:javier.gomez@ec.europa.eu)