

# ERRIN

## Presentation

### Driving up Regional Cooperation for Renewables in the EU



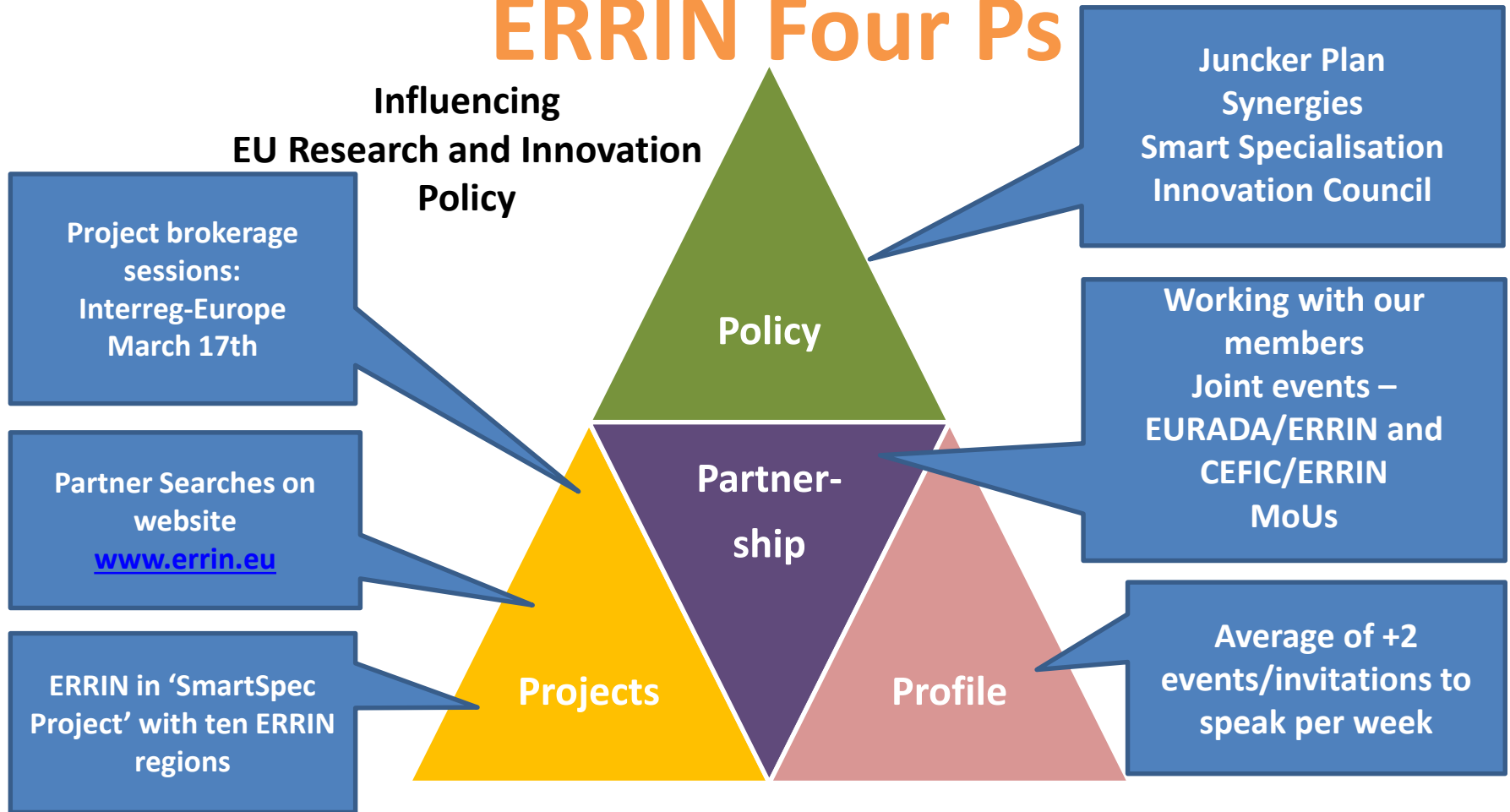
Richard Tuffs  
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April 2016

# ERRIN

- ❑ **ERRIN** is a **Brussels-based** platform of **regions** strengthening regional **research and innovation** capacities by exchanging information, sharing best practice, supporting **Project development**, **Policy shaping** and **Profile raising**.
- **ERRIN**, with over 120 members, helps regions get their **voice heard** in Brussels and supports the implementation of the **Europe2020 Strategy**, the **Innovation Union** flagship initiative, **Smart Specialisation** and **Widening Participation**.

# ERRIN Four Ps



**Supporting project development and engaging ERRIN regions in EU projects**

**Raising the profile of ERRIN and member regions in Brussels**

# ERRIN Working Groups 2016

Strategic	Cross-cutting	Societal Challenges	Industrial Competitive-ness	Innovation
Policy	Smart Specialisation	Health	ICT photonics robotics	Innovation & Investment
Projects	Smart Cities	Opening Science	Adv. manu- facturing & nano	Tourism
	Blue Innovation & Growth	Energy and Climate Change	Bio-economy, food & agriculture	Design & Creativity
		Transport		
		Water		



# Working Groups and Leaders 2015

44 regions involved in leading Working Groups



- Policy – *Scotland Europa, East & North Finland & South Tyrol*
- Projects – *West Midlands, Eindhoven & Lombardy*



- Energy – *Scotland Europa, Flanders, East & North Finland & South Denmark*
- Health – *Stavanger, South Denmark, Skåne & Lombardy*
- Opening Science – *Bremen, Berlin, Capital Region DK, Wales Higher Education & South Norway*
- Transport & Logistics – *Aragon, Ile de France & Scotland*
- Water – *Fryslan & Puglia*



- Advanced manufacturing & nano – *Twente University, Rhone-Alpes, West Mids & Basque Country*
- Bio economy, food & sustainable agriculture – *West Finland, Northern Ireland, Navarra & Veneto*
- Design & creativity – *Central Denmark, Lombardy & Stuttgart*
- ICT – *North Denmark, Berlin & Extremadura...*
- Innovation & investment – *Cantabria, Eindhoven, KEPA & Trento*
- Tourism – *Valencia, Crete, Lombardy & Saxony Anhalt*

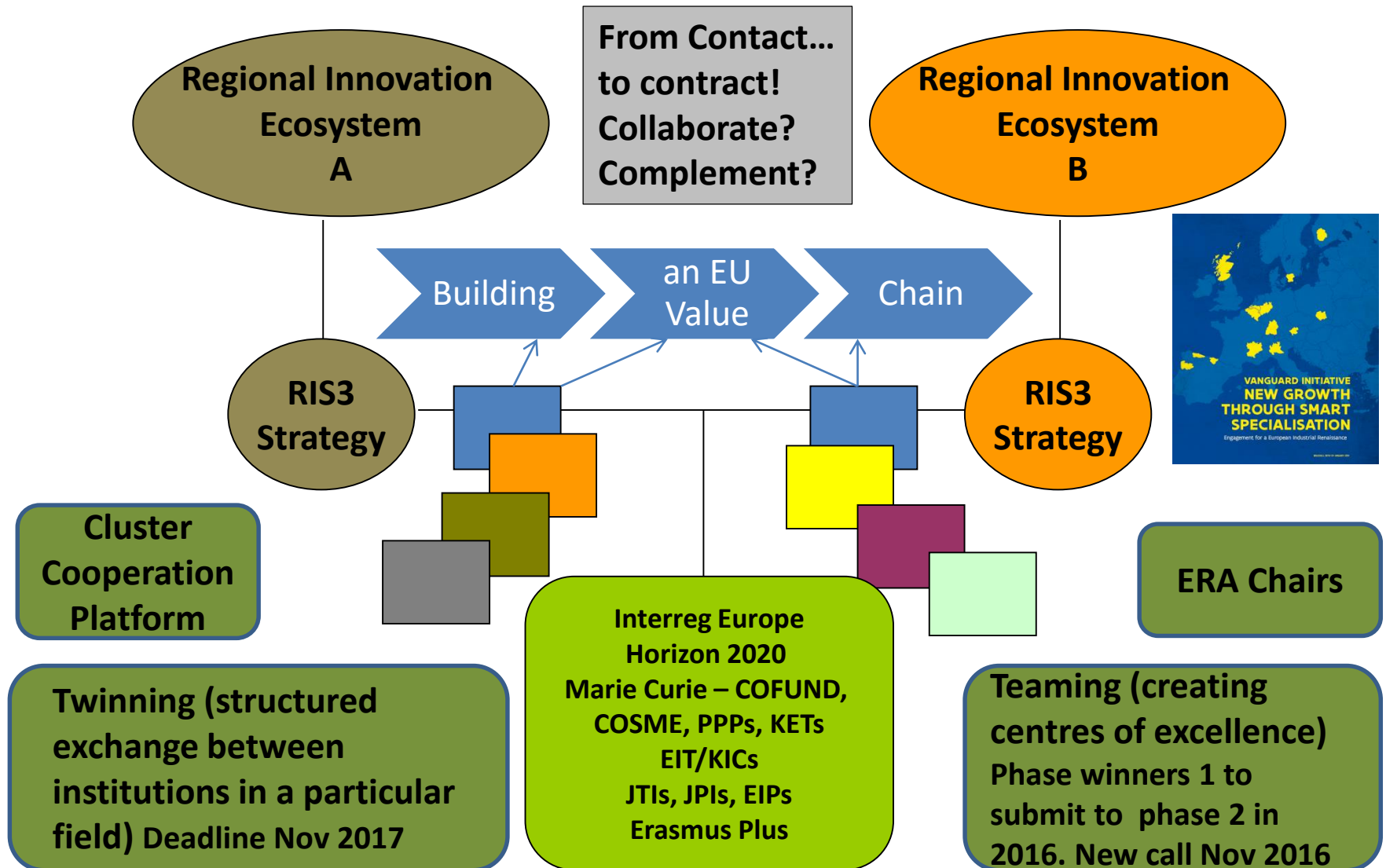


- Smart Cities Communities & Regions – *West Mids, Eindhoven, East & North Finland, Skåne, Noord Regio & Stavanger*
- Smart Specialisation – *Scotland Europa, PACA, Helsinki & Malta*
- Blue Innovation & Growth (2015) – *Brittany, Pomorskie & Emilia Romagna*

# Working Groups



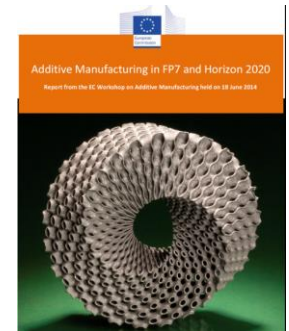
# Building Regional Collaboration



# Vanguard Initiative

- ❑ The Vanguard Initiative New Growth through Smart Specialisation is an initiative that is driven by a political commitment of regions to use smart specialisation strategy for boosting new growth through bottom-up entrepreneurial innovation and industrial renewal in European priority areas.

- ❑ <http://www.s3vanguardinitiative.eu/>



## Three pilots

- 3D Printing
- Efficient & sustainable manufacturing
- High performance manufacturing
- + nano and bioeconomy...





A close-up photograph of a computer keyboard. The central focus is a bright green key with the word 'ACTIVITIES' printed in white, bold, sans-serif capital letters. Surrounding this key are several white keys, including one with a semicolon and apostrophe, and another with 'Shift' and an upward arrow. The lighting is soft, highlighting the texture of the keys.

**ACTIVITIES**

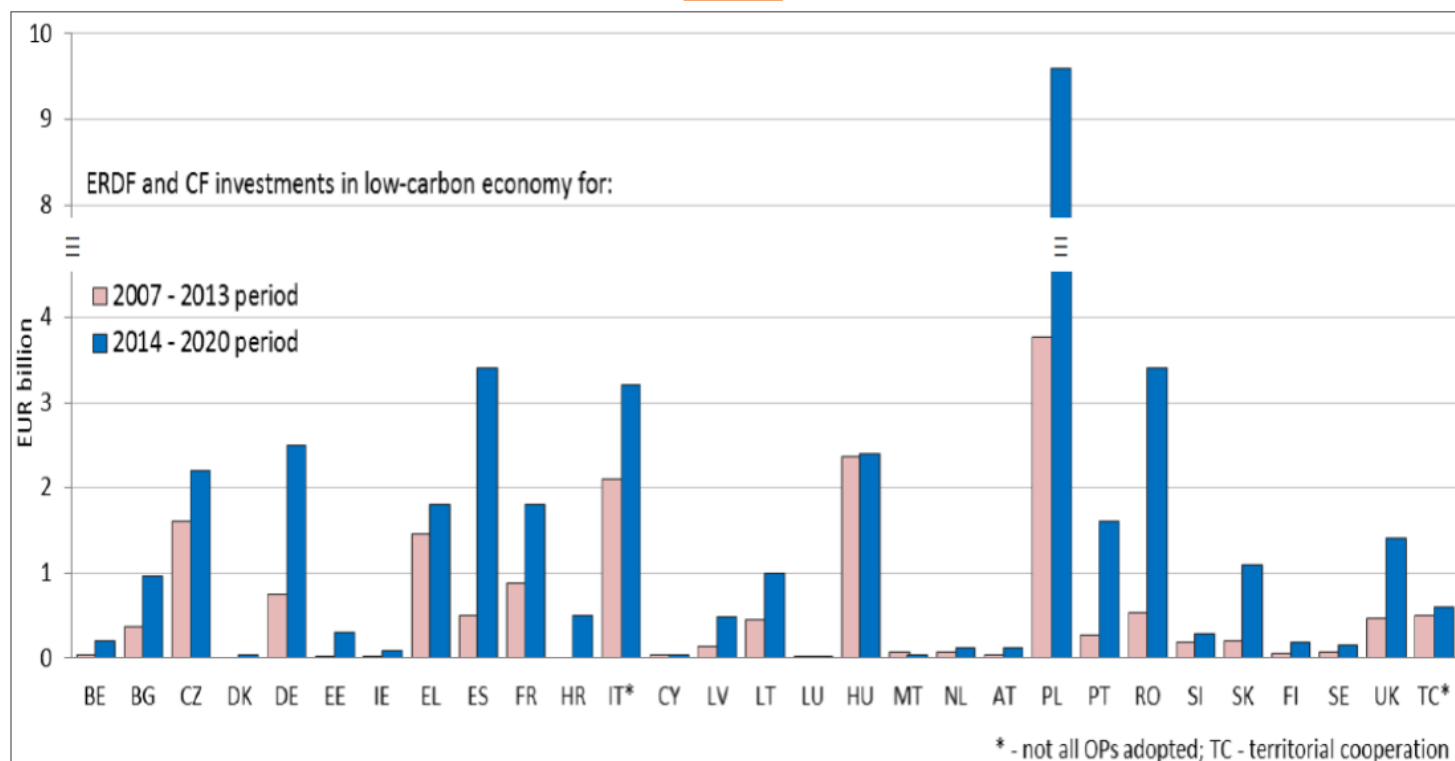
**Over 2  
activities  
per week**

# ERRIN activities April 2016

- 6<sup>th</sup> April: MYBL JPI workshop on Migration in Berlin
- 6<sup>th</sup> April: ERRIN Vice-Chair presentation to Stairway to Excellence project in Ljubljana
- 13<sup>th</sup> April: ERRIN Innovation Council event (with EARTO/ ECIU/ EBN / EURASHE)
- 14<sup>th</sup> April: Water Working Group
- 15<sup>th</sup> April: WIRE Steering Committee
- 15<sup>th</sup> April: BIG WG
- 21<sup>st</sup> April: ERRIN Stand at BBI JU Info session
- 25<sup>th</sup> April: ERRIN moderates Mountain Regions event
- 26<sup>th</sup> April: ERRIN presentation at Renewables event organised by Heinrich Boell Stiftung
- 26<sup>th</sup> April: Structured dialogue event
- 27<sup>th</sup> April: RIM Plus – Industry 4.0 and smart systems
- 27<sup>th</sup> April: ERRIN Vice-Chair presentation to Stairway to Excellence project in Warsaw
- 28<sup>th</sup> April: MYBL JPI SOAB hosted by ERRIN
- 29<sup>th</sup> April: Photonics meets Health (Health WG)
- 29<sup>th</sup> April: Bioeconomy Challenges for the EU Regions –KEP event

# Smart Specialisation Platform on Energy

## Doubling of low-carbon economy investments



# Investment categories

## What ERDF and CF supported measures?




- **Energy efficiency** in public buildings and in housing ~ € 13.3 billion
- **Energy efficiency** in enterprises, with focus on SMEs ~ € 3.4 billion
- **Renewable energy** ~ € 4.9 billion
- **Co-generation and district heating** ~ € 1.7 billion
- **Smart energy infrastructure** ~ € 3.4 billion
- **Research and innovation** at least €2.6 billion but possibly more based on RIS3
- Additional ESF investments in **training and capacity** (~€1 bn)


# Smart specialisation and energy

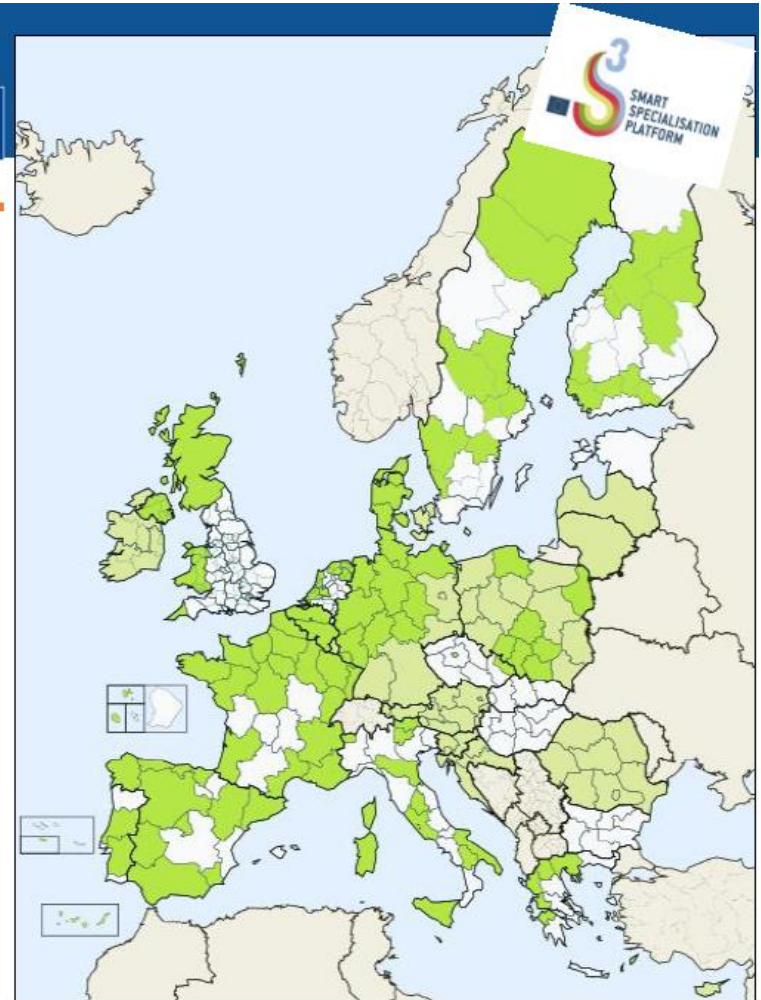
## Smart Specialisation & energy



- Energy R&I both in thematic objective 1 and 4
- 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

 EU Countries with Encoded S3 Priorities

 EU Regions with Encoded S3 Priorities



Map: EU-28 energy priorities  
in online Eye@RIS3 tool

# Smart Specialisation Platforms

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## Thematic Smart Specialisation Platforms

### Background

- European Investment Plan to close the investment gap
- Implementation of RIS3 in ESIF TO 1 'Research and Innovation' for economic transformation (44 bio euro)
- Contribution to the priority areas Energy Union, DSM, Circular Ec.

### **New initiative of DG Regio in cooperation with thematic DGs**

- Help to better focus RIS3 implementation in OPs in regions
- Help to align RIS3 investments across regions and with European strategies (such as SET Plan)
- Accelerate innovation and business investment through 'joint demonstration' across regions

### **Launch at High-Level Event of 1-2 June**



# S3P Energy

- ❑ The S3 Platform wants to collaborate with interested regions and Member States to: (i) analyse current energy priorities and policies, and (ii) identify good practices and roadmaps for bottom-up transregional and transnational cooperation.
- ❑ Set up a strategic agenda of collaborative framework which will accelerate the development and deployment of innovative low carbon technologies.

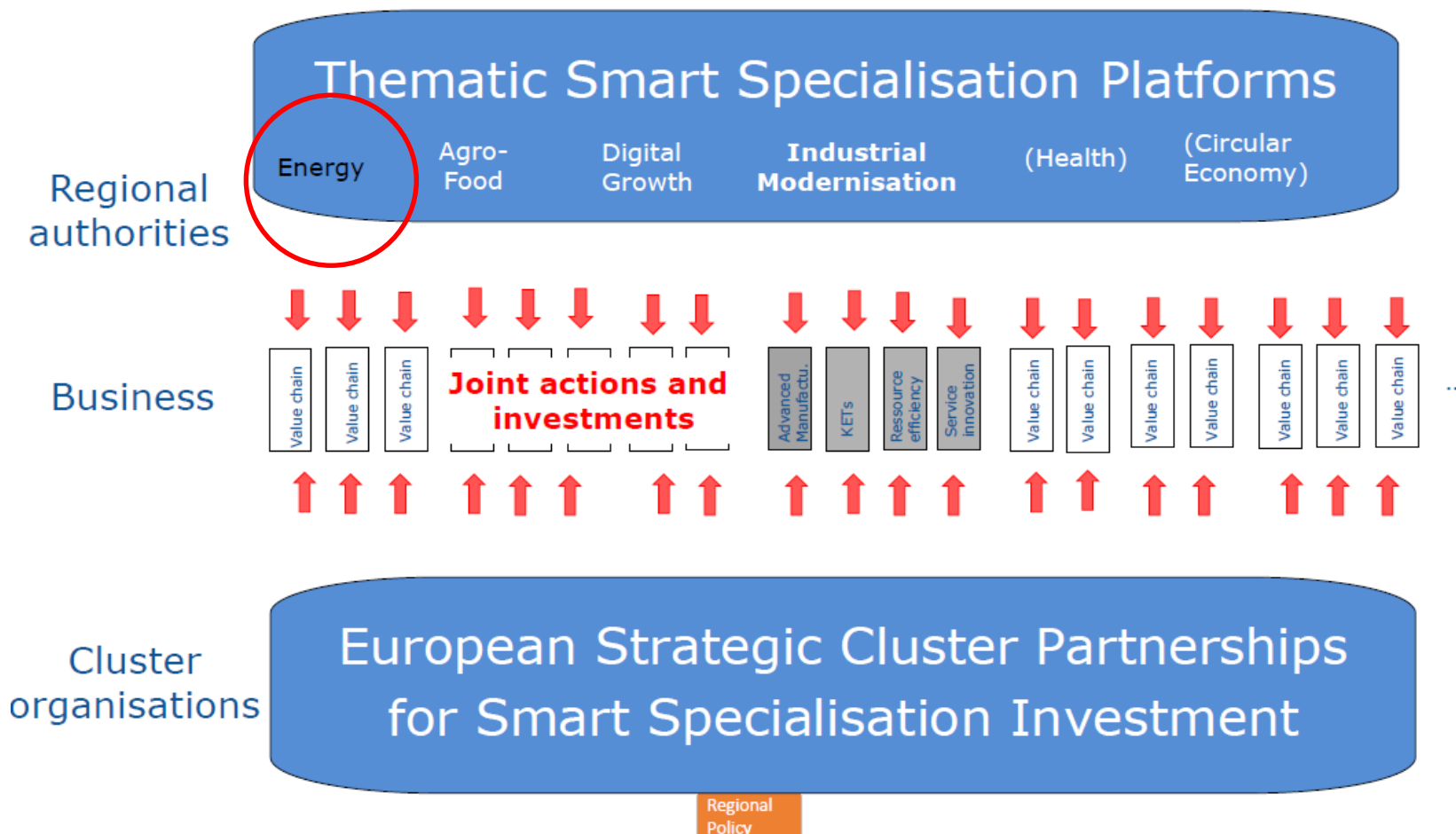
## S3P Energy (2)

- ❑ The main task of the new Platform on Energy will be divided into the following work packages (WP):
  - WP 1 – Policy research and implementation advice.
  - WP 2 – Mutual trans-national learning arena: Thematic advice and 'Matchmaking' for regions.
  - WP 3 – Information, communication and dissemination activities.
  - WP 4 – Specific information and analysis in support of DGs ENER and REGIO



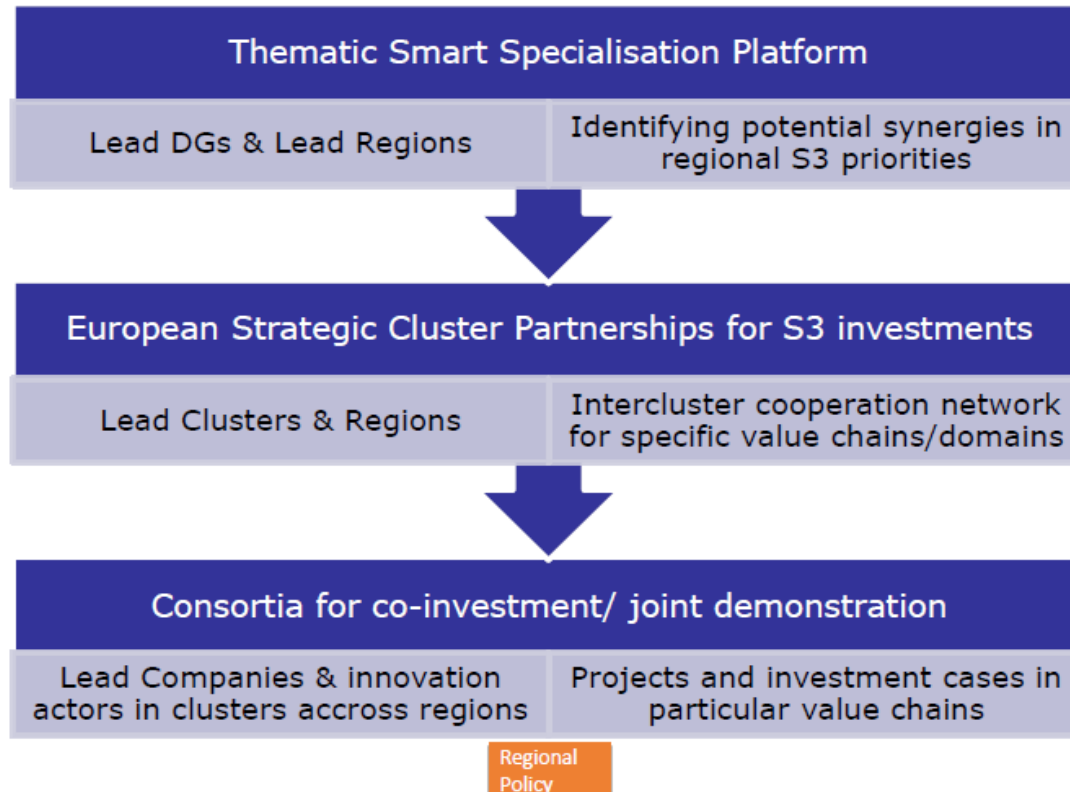
# Platforms and clusters

Commission



# From Platform to Projects

## Three steps in the EU-level 'entrepreneurial discovery process'



# Smart Specialisation Platform on Energy

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

**SMART REGIONS**  **High-Level Event**

**1 June 2016, WEDNESDAY**

Sessions 1-2: Smart specialisation - From Design to Implementation

- Continuous Entrepreneurial Discovery
- Governance settings
- Selection criteria and selection process
- Transnational cooperation and value chains
- Monitoring and evaluation
- Smart Specialisation Strategy experience outside EU

**Session 3: Thematic Smart Specialisation Platforms**

- Industrial Modernisation
- Agro-Food Value Chains
- Energy Transition
- ...

Session 4: Investment challenges



**SMART REGIONS Conference**  
Driving smart specialisation investments in priority areas for European growth  
1-2 June 2016 - Square, Brussels  
@EU\_Regional #SmartSpecialisation



**2 June 2016, THURSDAY**

Report and conclusions from day 1

Session 5: Align objectives for economic transformation (Stakeholders)

Session 6: Implementation of RIS3 – Synergies in policy support for economic transformation (Commissioners)

**Continuous exhibition and networking**

Regional Policy



# **Embedding Energy Union in the Regions**

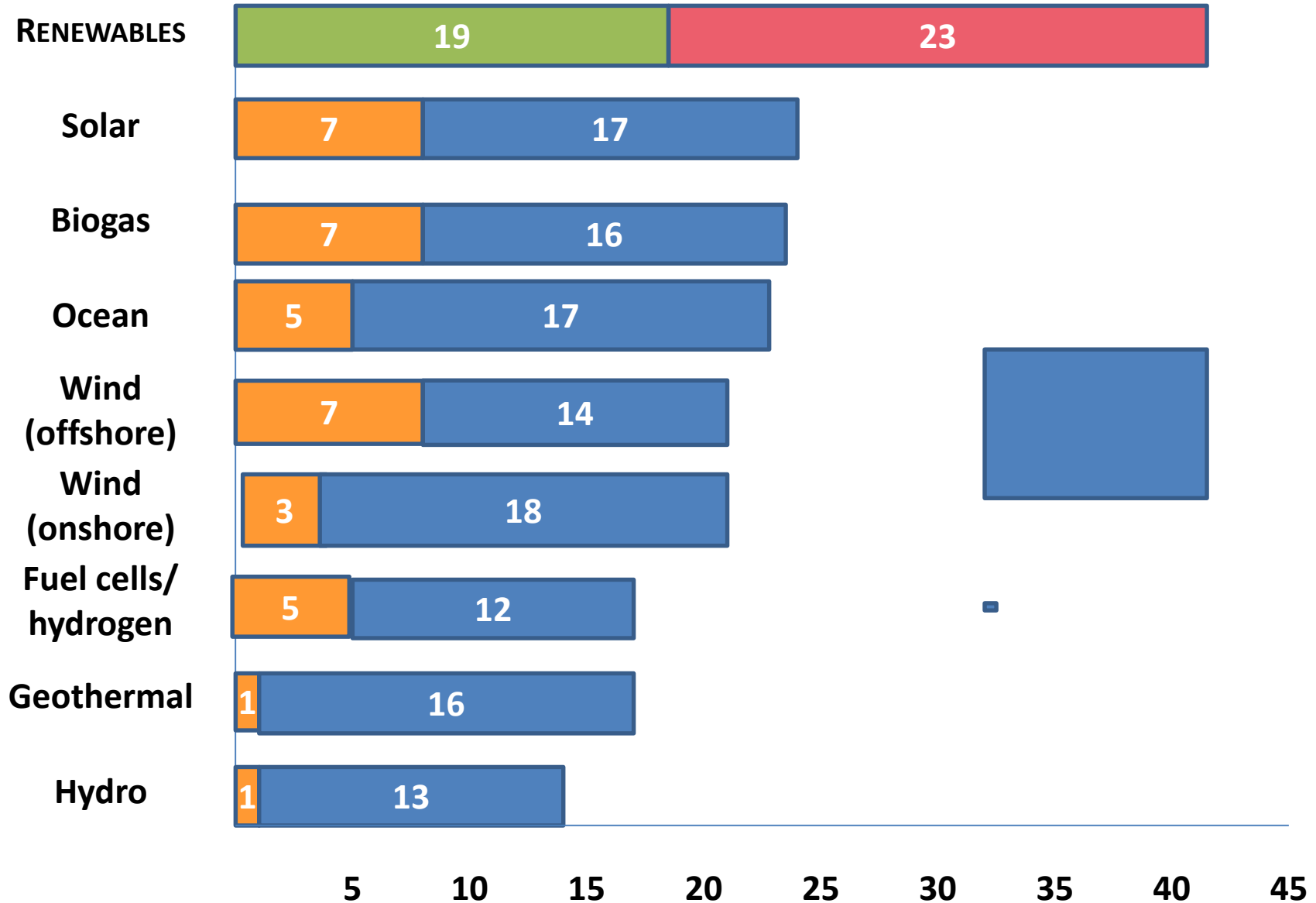
**Co-organised by S3 Platform & ERRIN**

**9 March 2016**

## **Regional s3 energy priorities & profiles – results of participant surveys**

**Thomas Jensen, South Denmark European Office**

# S3 ENERGY PRIORITIES





# **Embedding Energy Union in the Regions**

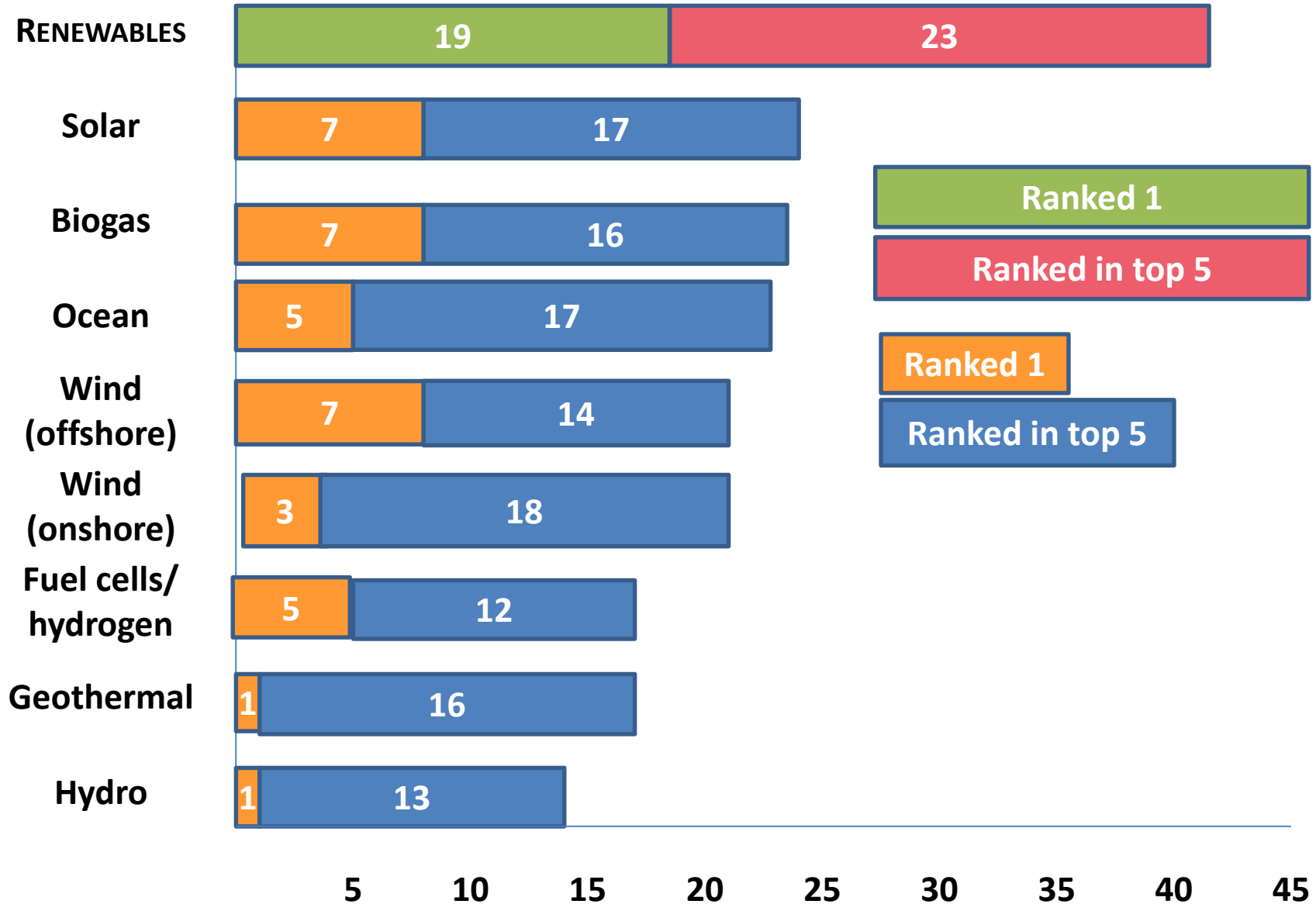
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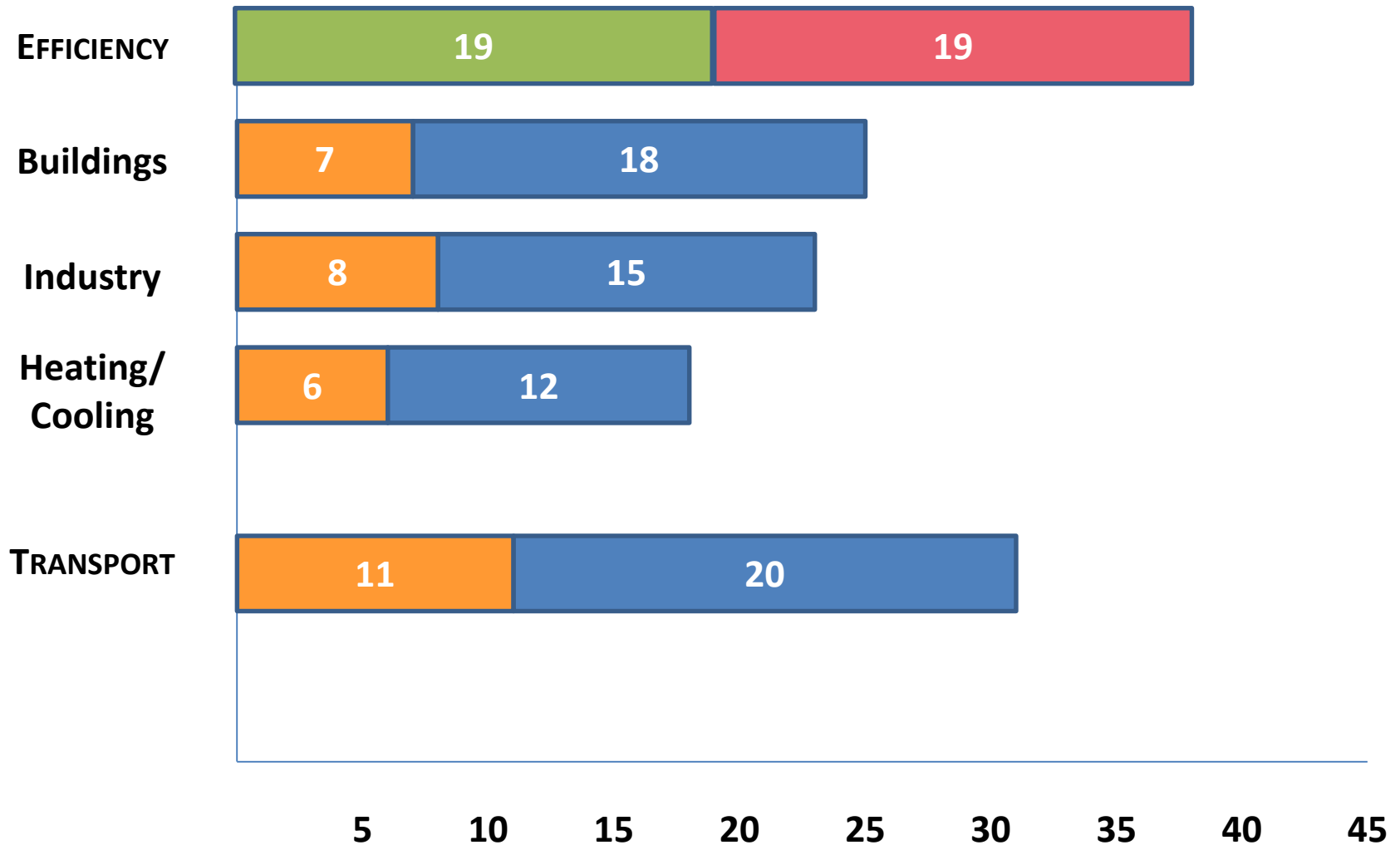
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# S3 ENERGY PRIORITIES

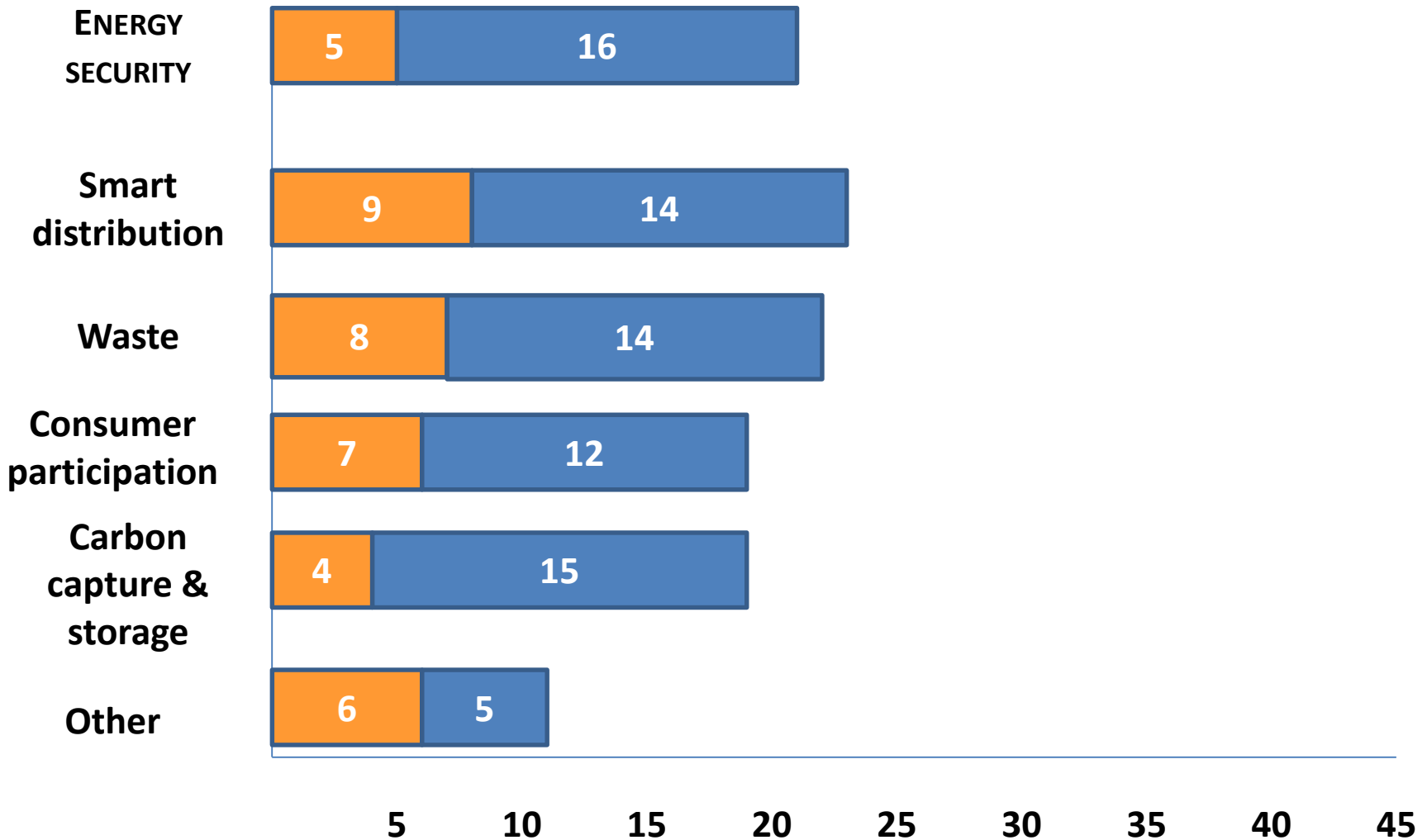


# S3 ENERGY PRIORITIES

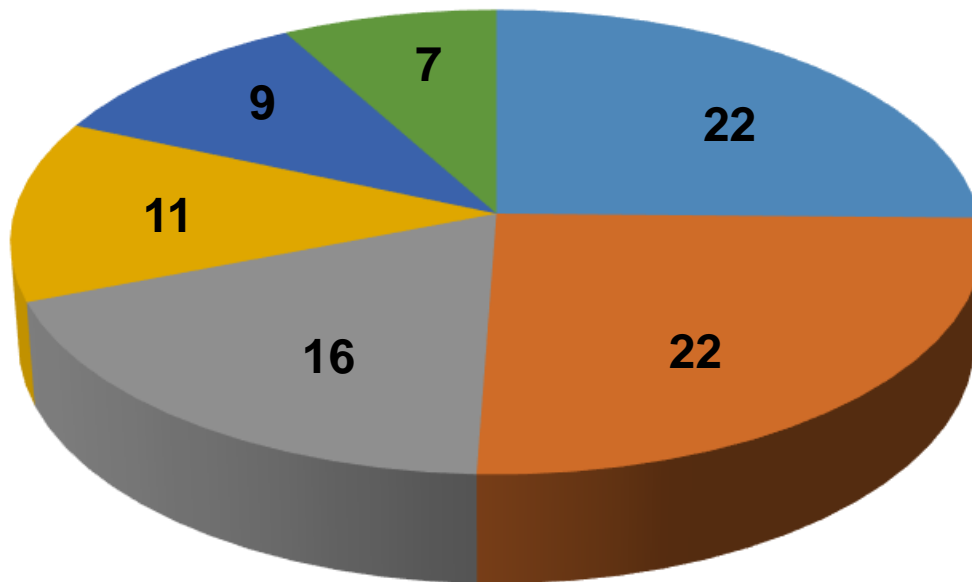




# S3 ENERGY PRIORITIES



# S3 IMPLEMENTATION APPROACHES



- Regional cluster approach
- Regional sector approach
- Innovation ecosystem approach
- National sector approach
- National cluster approach
- Other

# INTEREST IN TRANS-NATIONAL STRATEGIC CLUSTERING

Which other sectors/ areas do regions want to link with energy;

- Aquaculture
- Tourism
- Electromobility
- Rural development
- Smart cities
- Biomass
- ICT clustering
- Construction
- Steel
- Other offshore sectors

# **INTEREST IN TRANS-NATIONAL STRATEGIC CLUSTERING**

**Where can regions be linked with others along value chains;**

**Parts of value chain where regions have strength;**

- **Research, training**
- **Logistics**
- **Plant equipment**
- **Controls**
- **Metering**
- **Materials**
- **Components**

**Key sector areas where there is scope;**

- **Ocean energy**
- **Offshore energy**
- **Fuel cells**
- **Solar thin film**

# INTEREST IN TRANSNATIONAL STRATEGIC CLUSTERING

Where would regions like to see transnational sectoral clusters to build critical mass;

- Offshore energy
- Heating & cooling
- Geothermal
- Energy solutions in industry, inc. steel
- Hydrogen economy
- High performance batteries
- Built environment
- Marine renewables
- Mobility/ transport
- Bio & circular economy

# **INTEREST IN TRANS-NATIONAL STRATEGIC CLUSTERING**

**Where do regions want transnational  
cooperation to support emerging  
industries;**

- **Ocean energy**
- **Offshore energy**
- **Energy solutions for industry (food, car manufacturing, mining)**
- **LNG**
- **Synthetic fuels**

# SWOT analysis – Example 1

## Ocean Energy in Normandy, France

### Strengths

- Great wind and tidal resources
- Grid fit for purpose
- Strong port infrastructure
- A public company (West Normandy Marine Energies) assuring coordination and visibility

### Opportunities

- Renewed focus on developing an RME sector in the EU
- Linking with European RME initiatives

### Weaknesses

- Not enough research and training
- Weak links to other countries

### Threats

- Only little regional focus R&D and training activities

# SWOT analysis – Example 2

## Offshore Wind and EE technology in Southern Denmark

### Strengths

- Business driven innovation network
- Large companies with global outreach
- An outward oriented mindset of developers

### Opportunities

- Policy learning and multi-level governance
- Innovation via links to international networks
- Development in the RES-sector benefitting the large regional industry

### Weaknesses

- Dependence on a few dominant companies
- SMEs' limited innovation capacity
- Regional universities not fit as innovation partners

### Threats

- The public sector does not find its role in a business-driven triple-helix innovation system
- Relocation of dominant firms away from the region



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**for listening**



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