ERRIN Presentation

Driving up Regional Cooperation for Renewables in the EU

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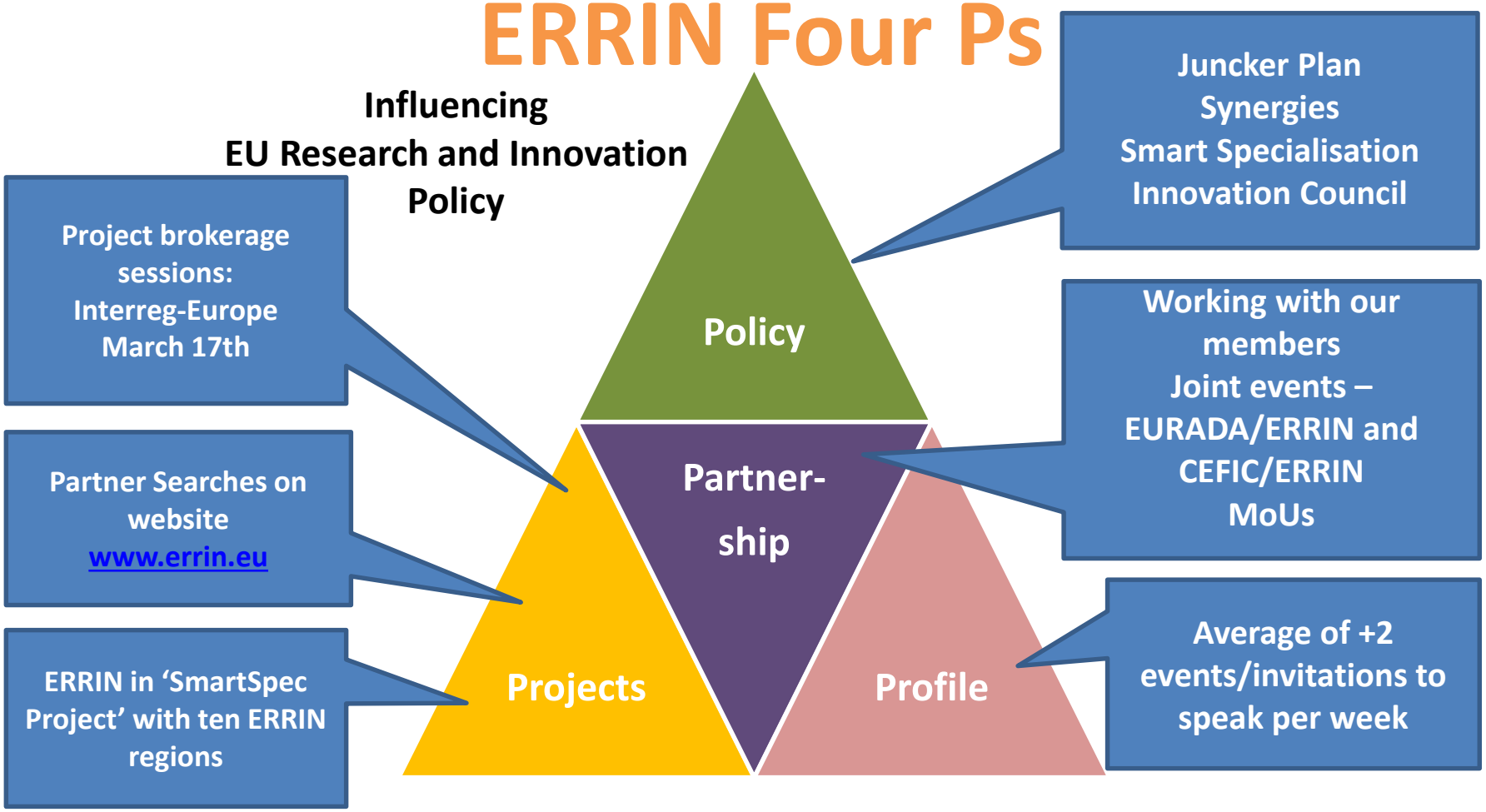
ERRIN

- **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

Strategic

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

Societal

- 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*

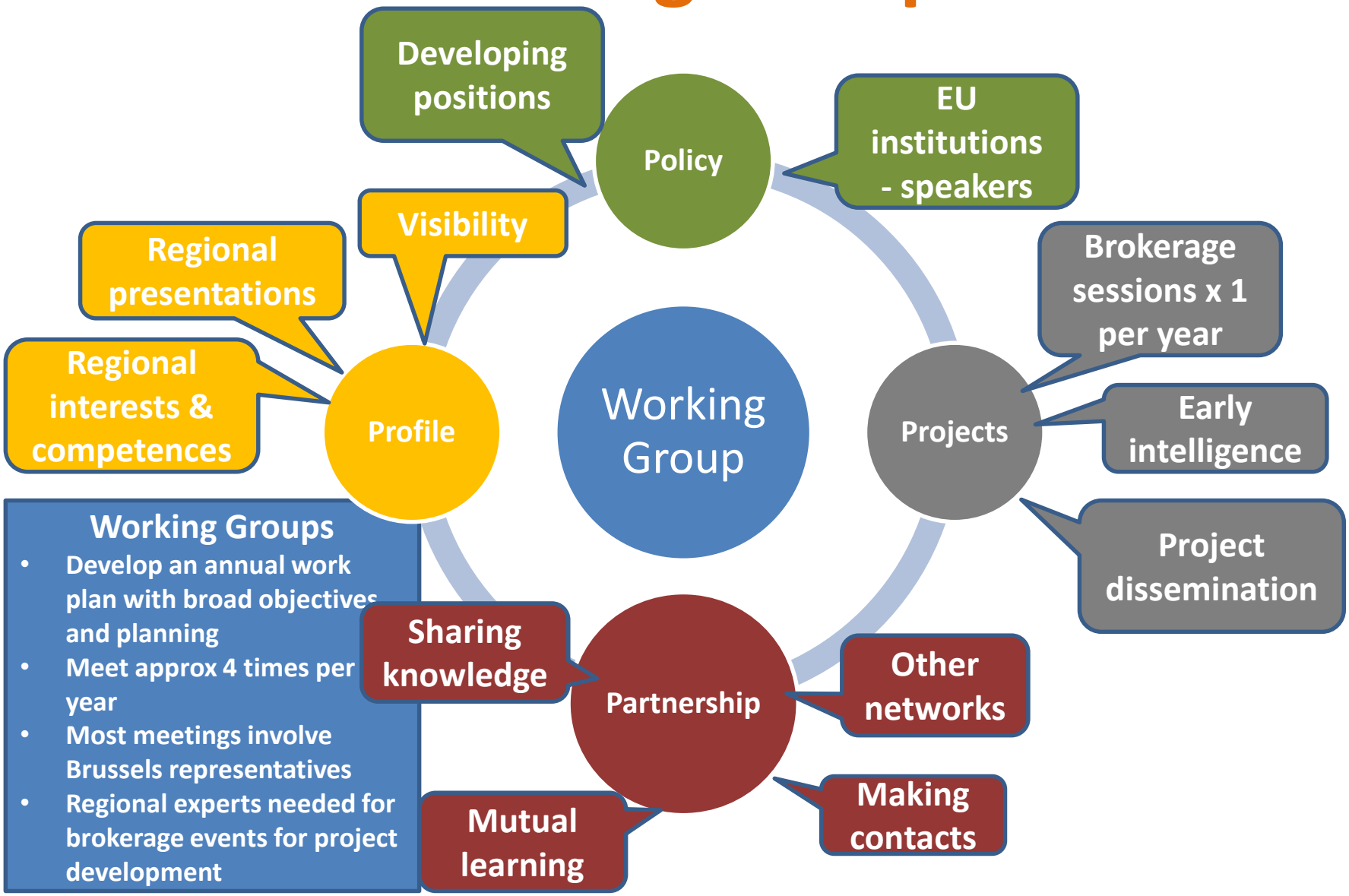
Industry

- 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*

X-cutting

- 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



Working Groups

- Develop an annual work plan with broad objectives and planning
- Meet approx 4 times per year
- Most meetings involve Brussels representatives
- Regional experts needed for brokerage events for project development

Building Regional Collaboration

Regional Innovation Ecosystem A

From Contact… to contract! Collaborate? Complement?

Regional Innovation Ecosystem B

Building an EU Value Chain

RIS3 Strategy

RIS3 Strategy

Cluster Cooperation Platform

ERA Chairs

Twinning (structured exchange between institutions in a particular field) Deadline Nov 2017

Interreg Europe
Horizon 2020
Marie Curie – COFUND,
COSME, PPPs, KETs
EIT/KICs
JTIs, JPIs, EIPs
Erasmus Plus

Teaming (creating centres of excellence) Phase winners 1 to submit to phase 2 in 2016. New call Nov 2016

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…**

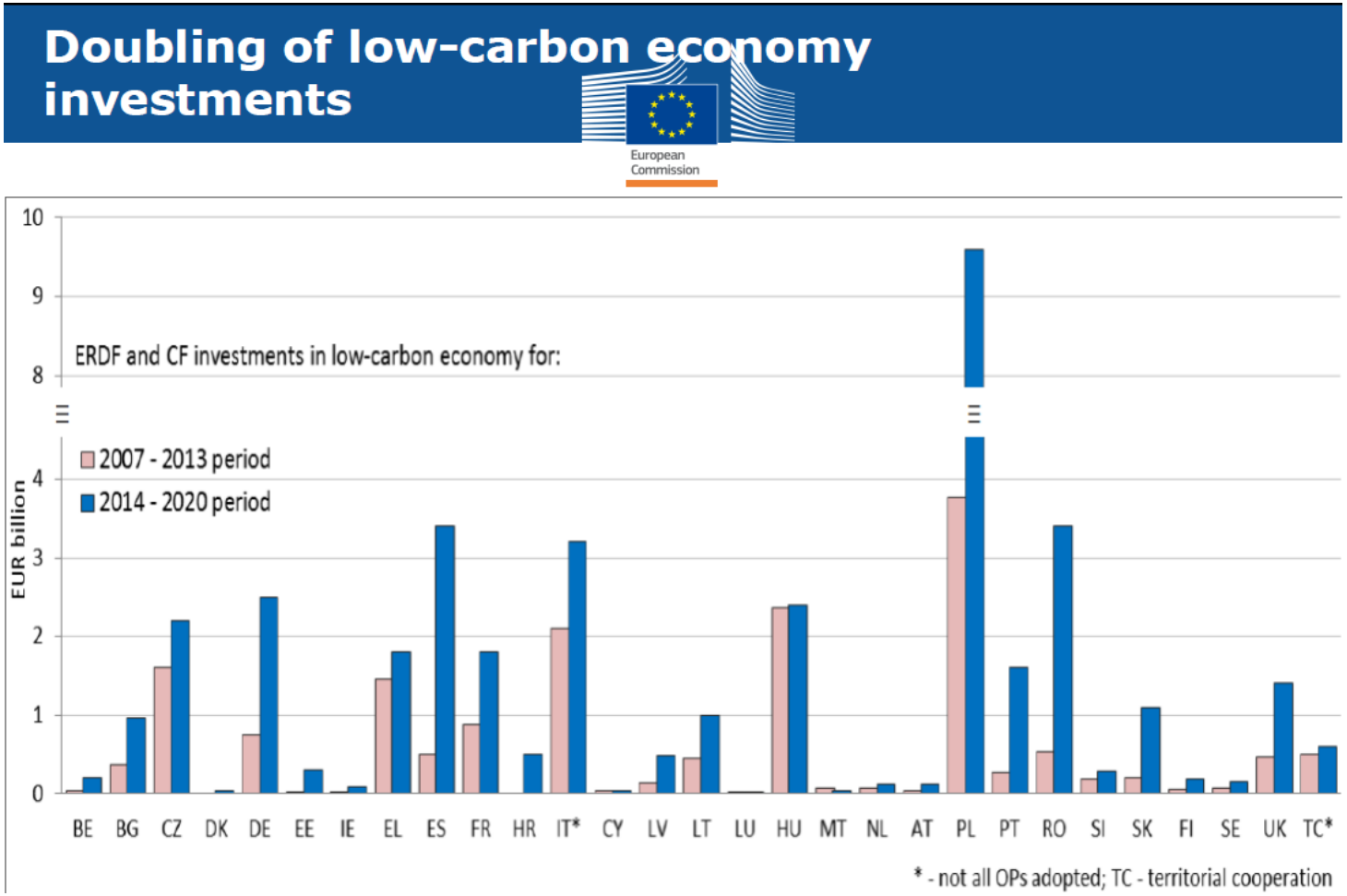
ACTIVITIES
Over 2 activities per week
Shift
Ctrl

ERRIN activities April 2016

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

ERRIN 15

Smart Specialisation Platform on Energy



Investment categories

What ERDF and CF supported measures?

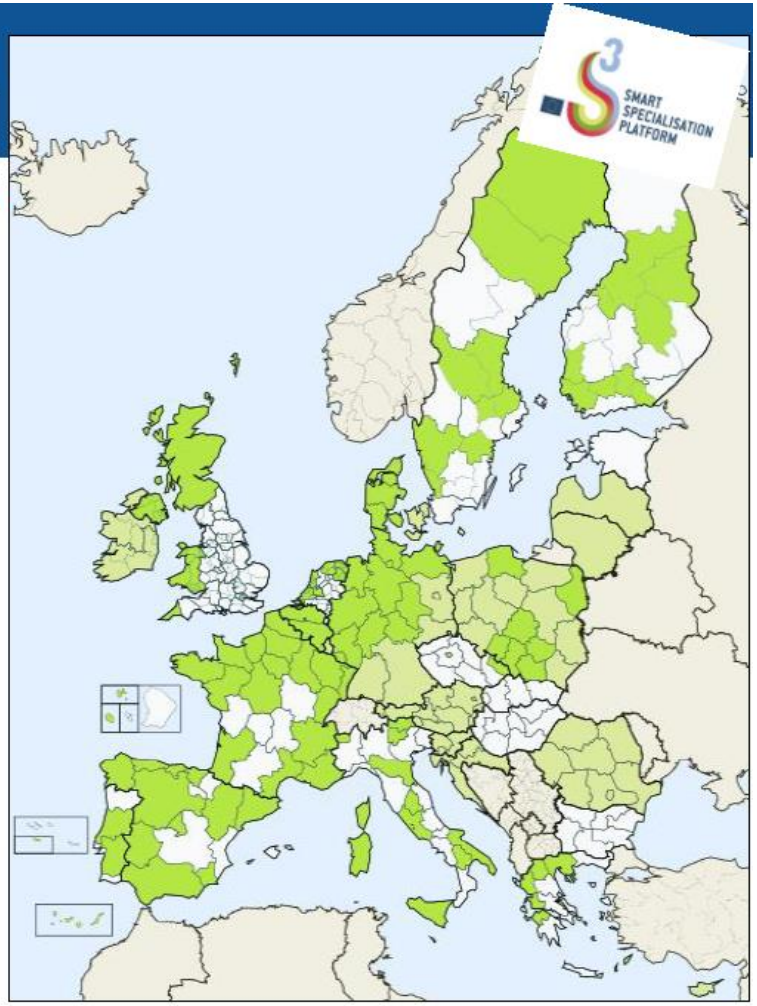
- **Energy efficiency** in public buildings and in housing ~ € 13.3 billion
- **Energy efficiency** in enterprises, with focus on SMEs ~ € 3.4 billion
- **Renewable energy** ~ € 4.9 billion
- **Co-generation and district heating** ~ € 1.7 billion
- **Smart energy infrastructure** ~ € 3.4 billion
- **Research 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

European Commission

- 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



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

Smart Specialisation Platforms

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

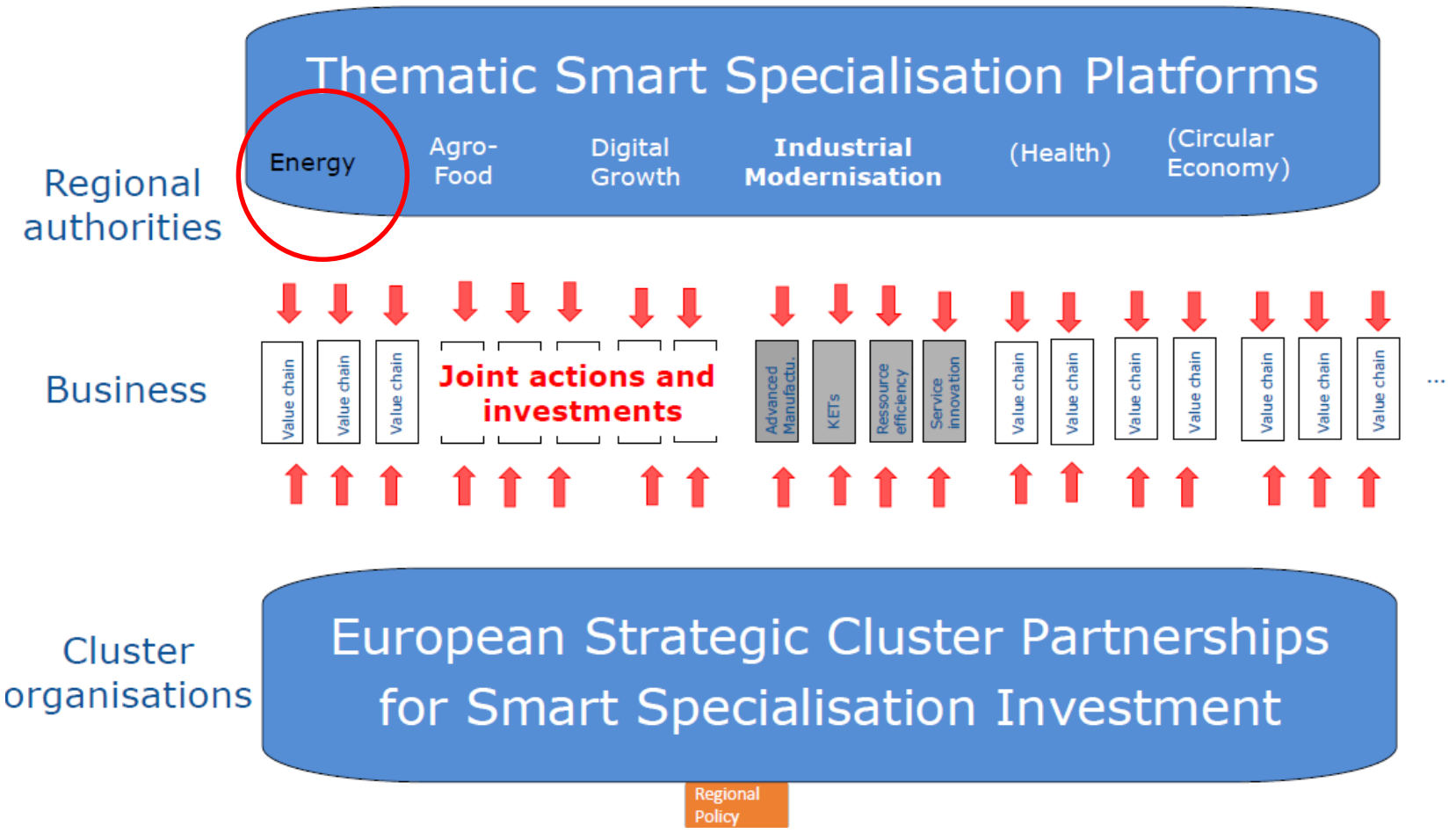
- The S3 Platform wants to collaborate with interested regions and Member States to: (i) analyse current energy priorities and policies, and (ii) identify good practices and roadmaps for bottom-up transregional and transnational cooperation.
- Set up a strategic agenda of collaborative framework which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

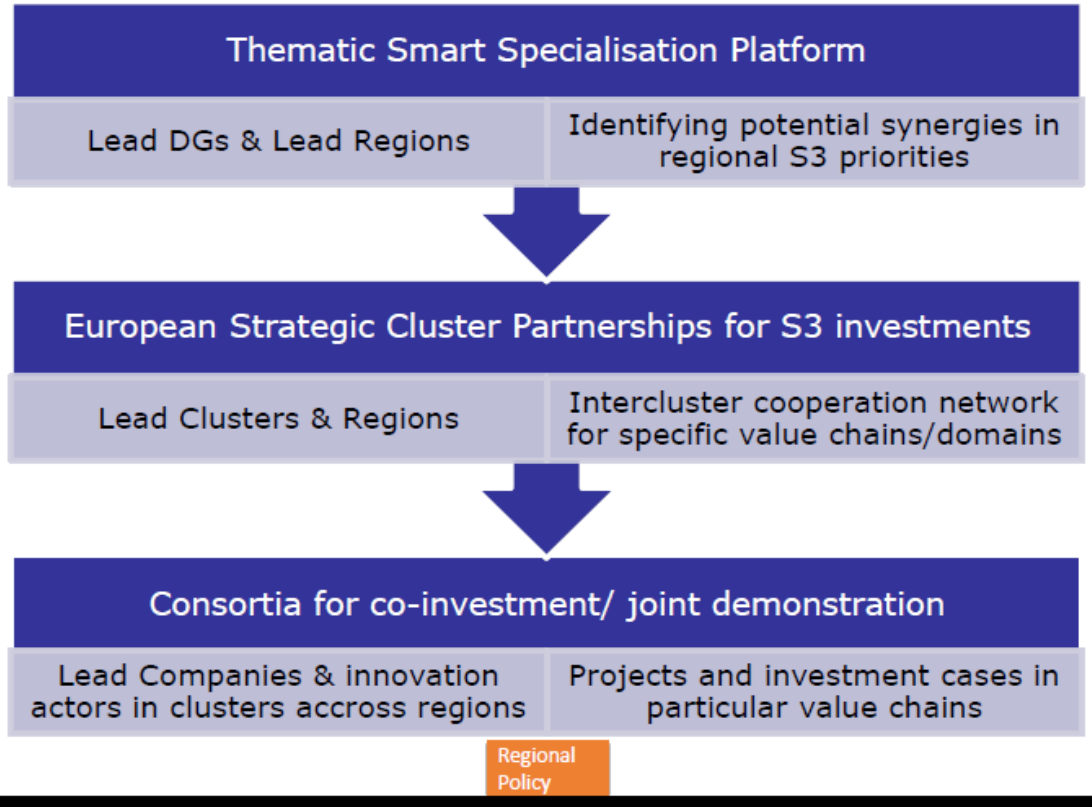
Commission



Regional Policy

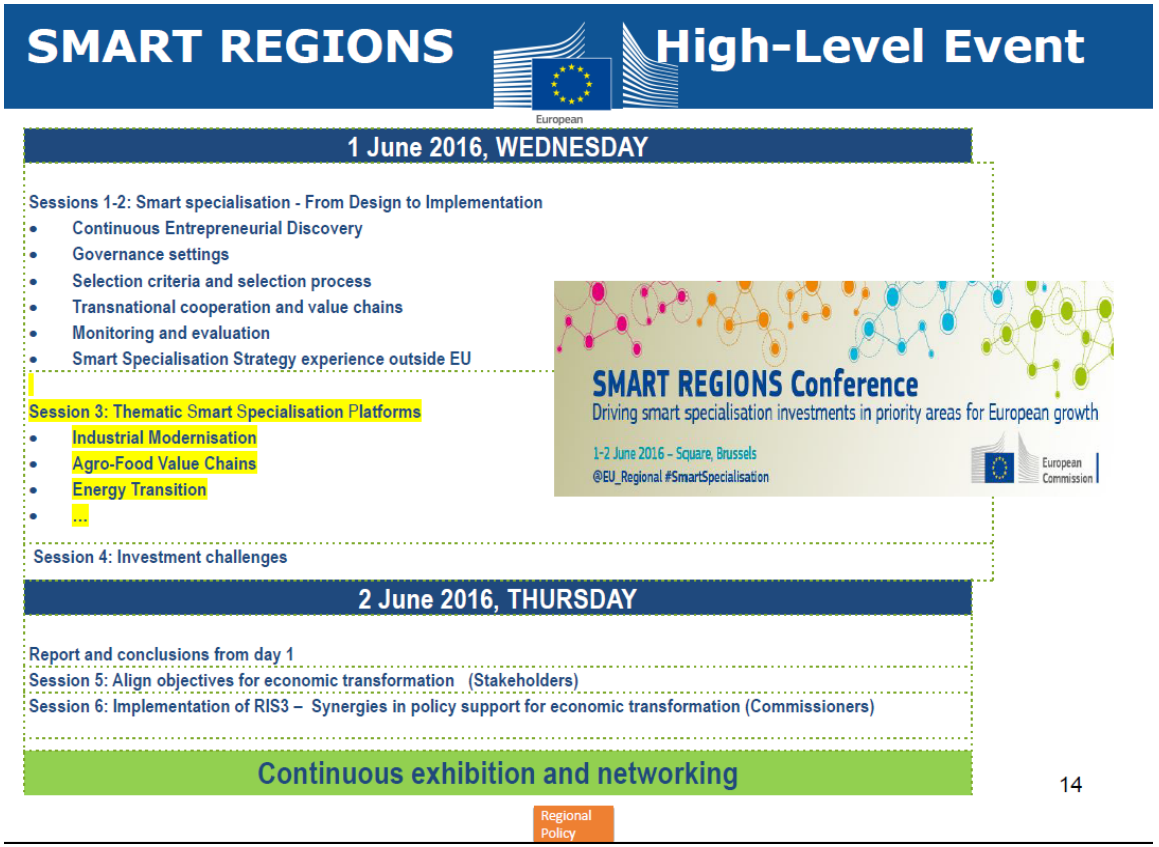
From Platform to Projects

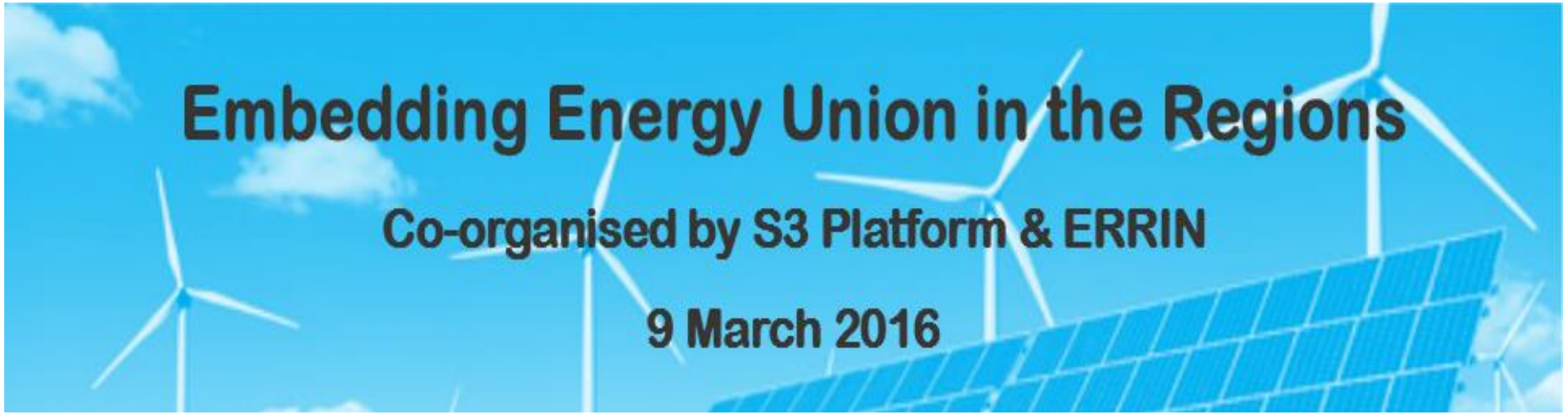
Three steps in the EU-level 'entrepreneurial discovery process'



Smart Specialisation Platform on Energy

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

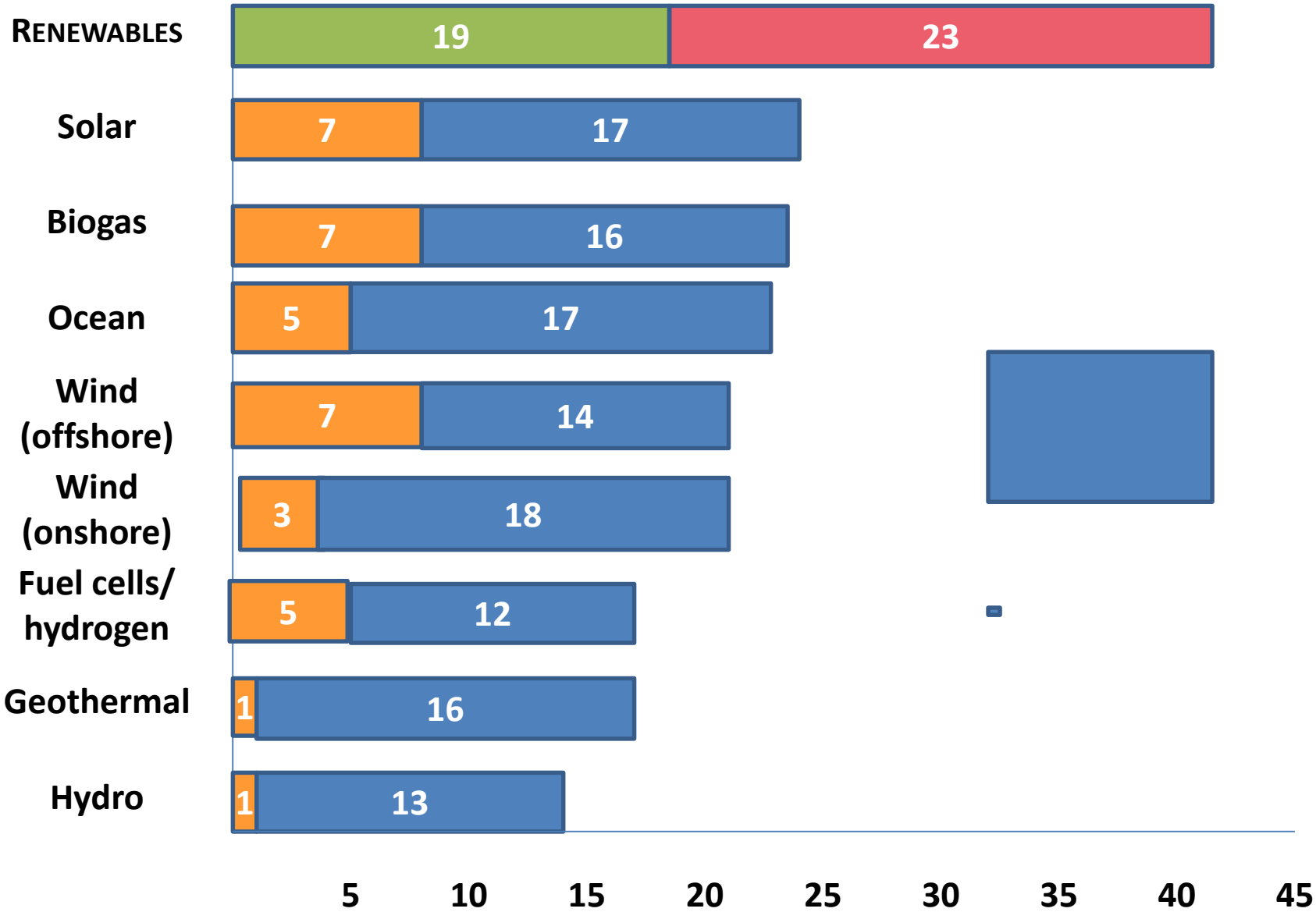


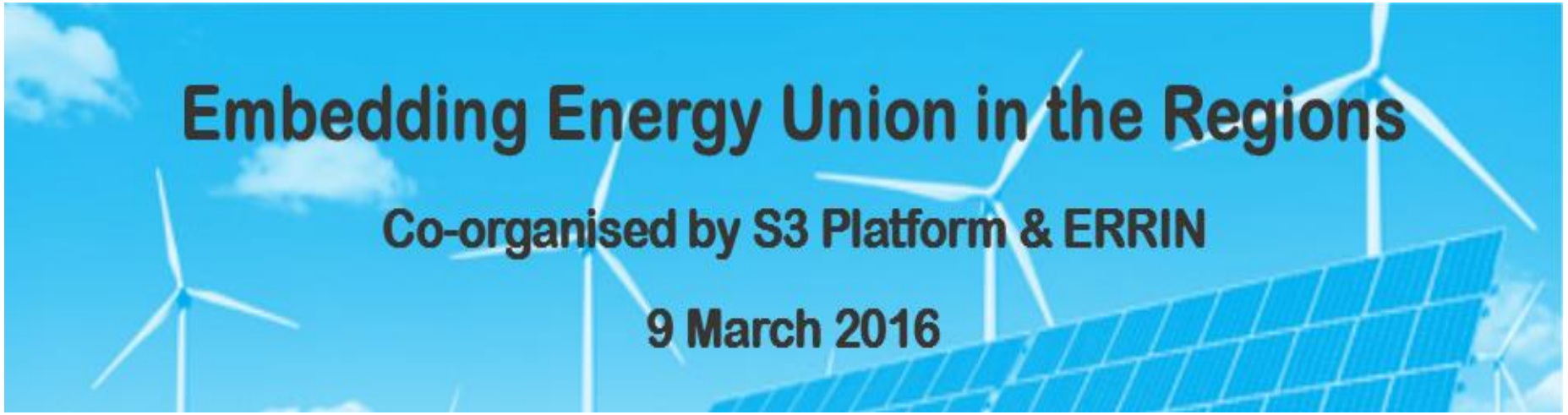


Regional s3 energy priorities & profiles – results of participant surveys

Thomas Jensen, South Denmark European Office

S3 ENERGY PRIORITIES





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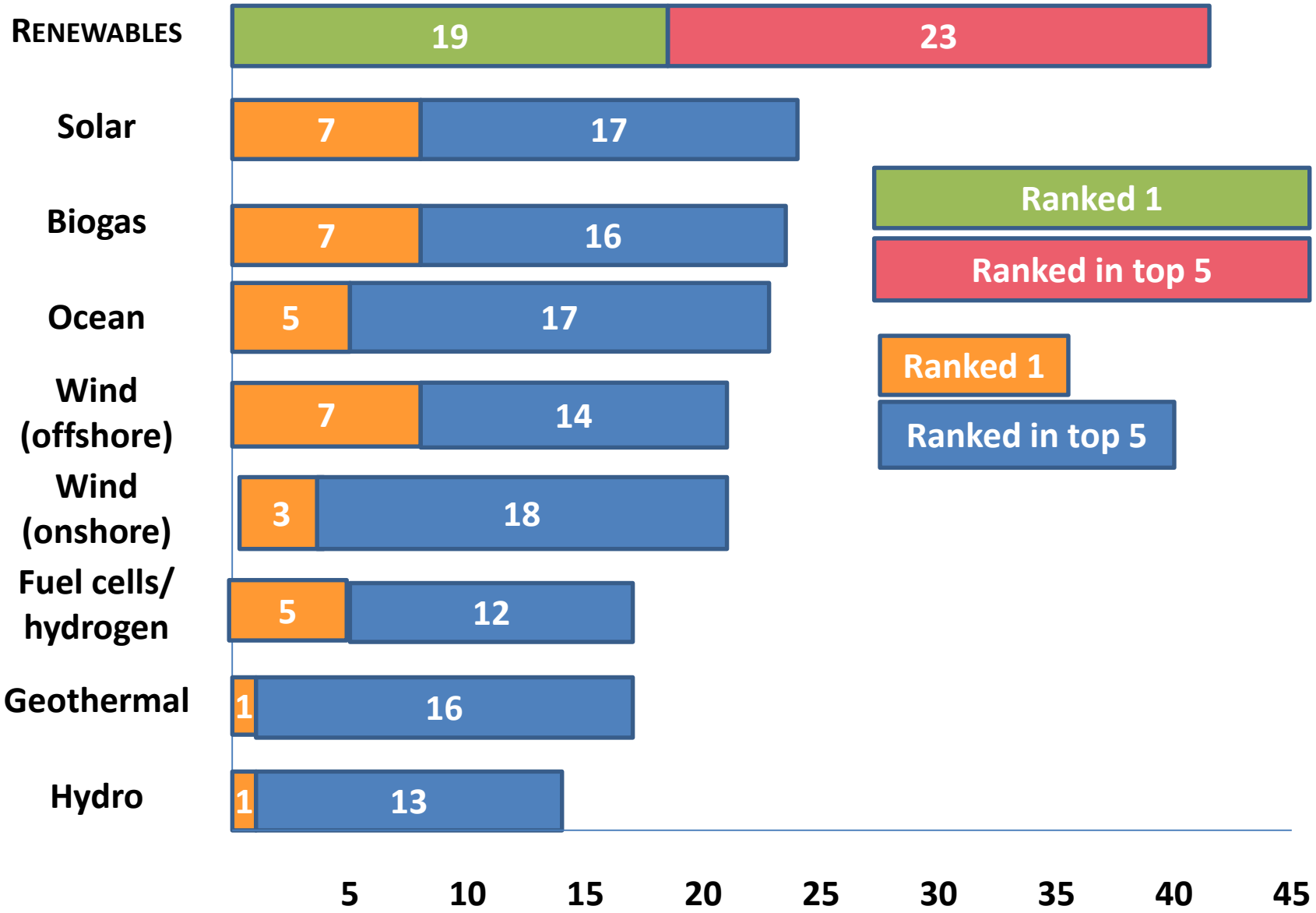

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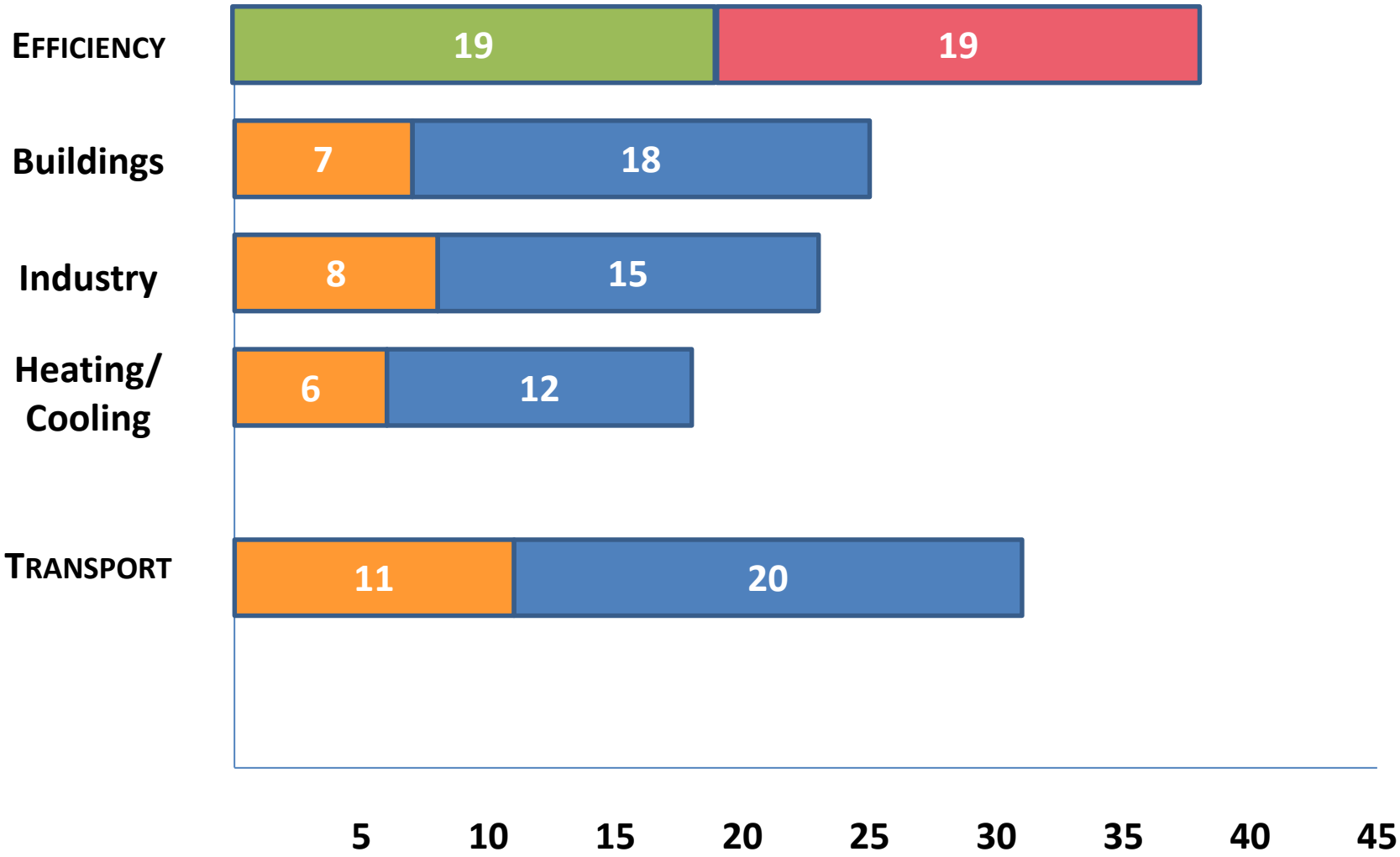

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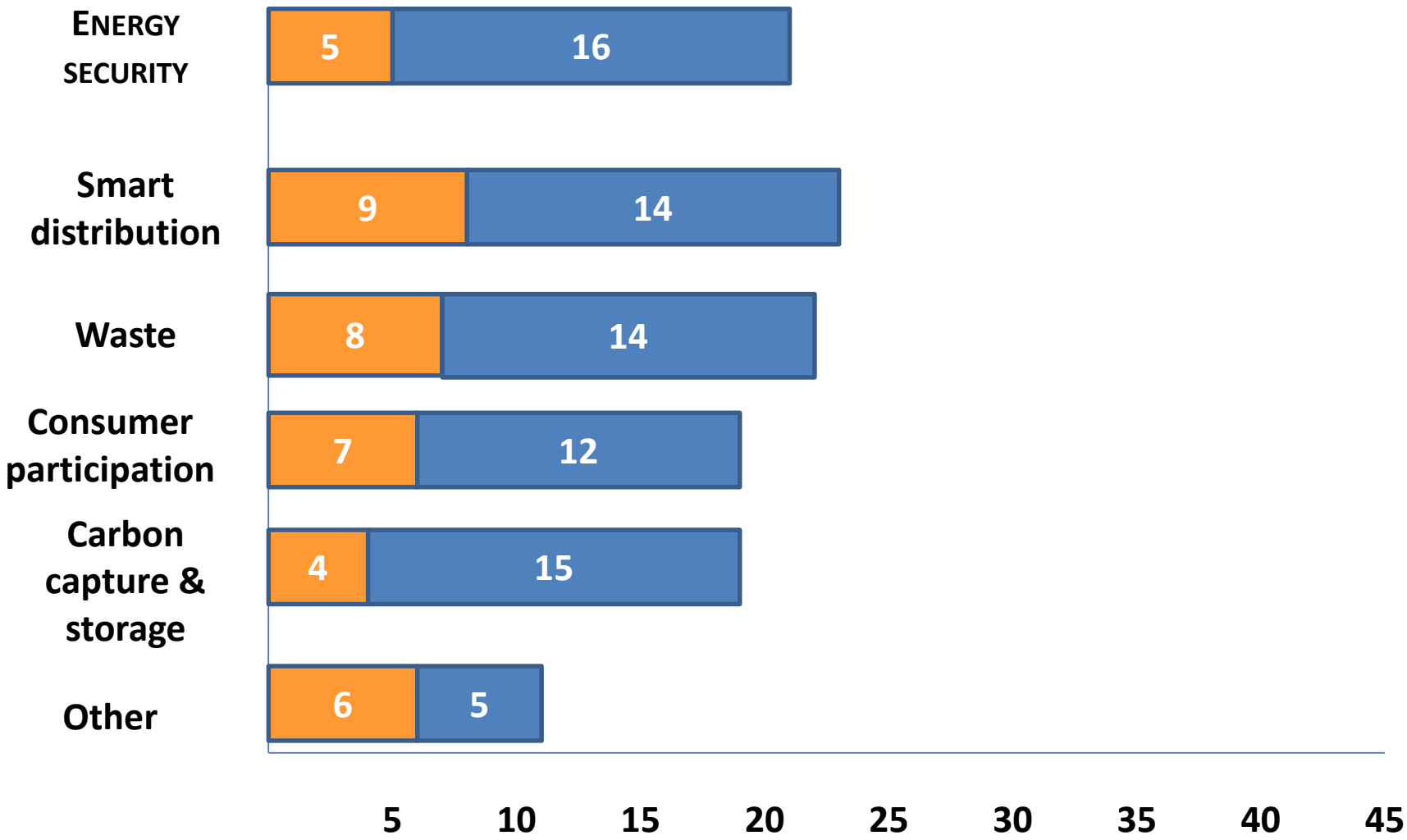
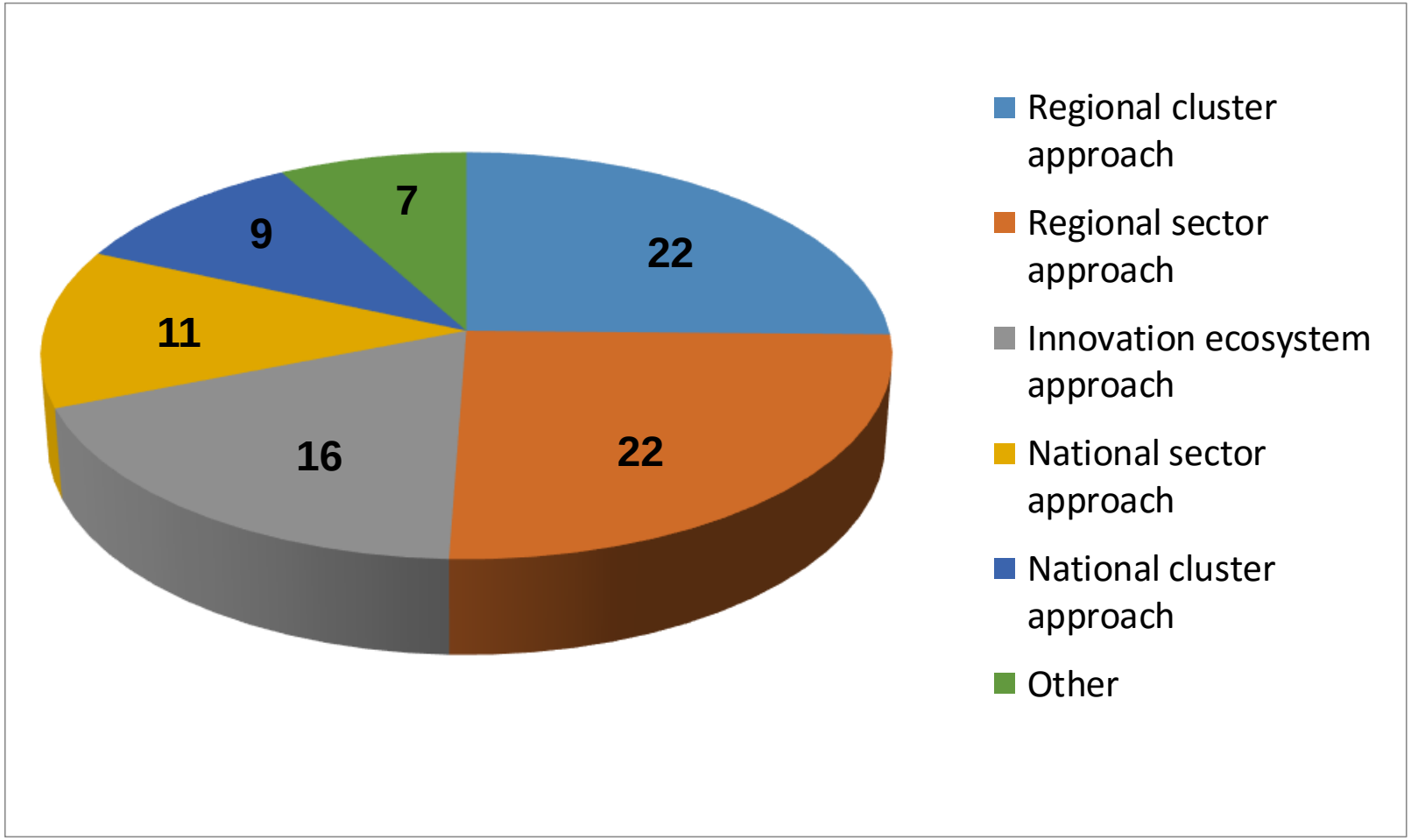


S3 IMPLEMENTATION APPROACHES



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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