

A banner image featuring a bright blue sky with white clouds. In the foreground, there are several white wind turbines and a row of blue solar panels. The text is overlaid on this image.

Embedding Energy Union in the Regions

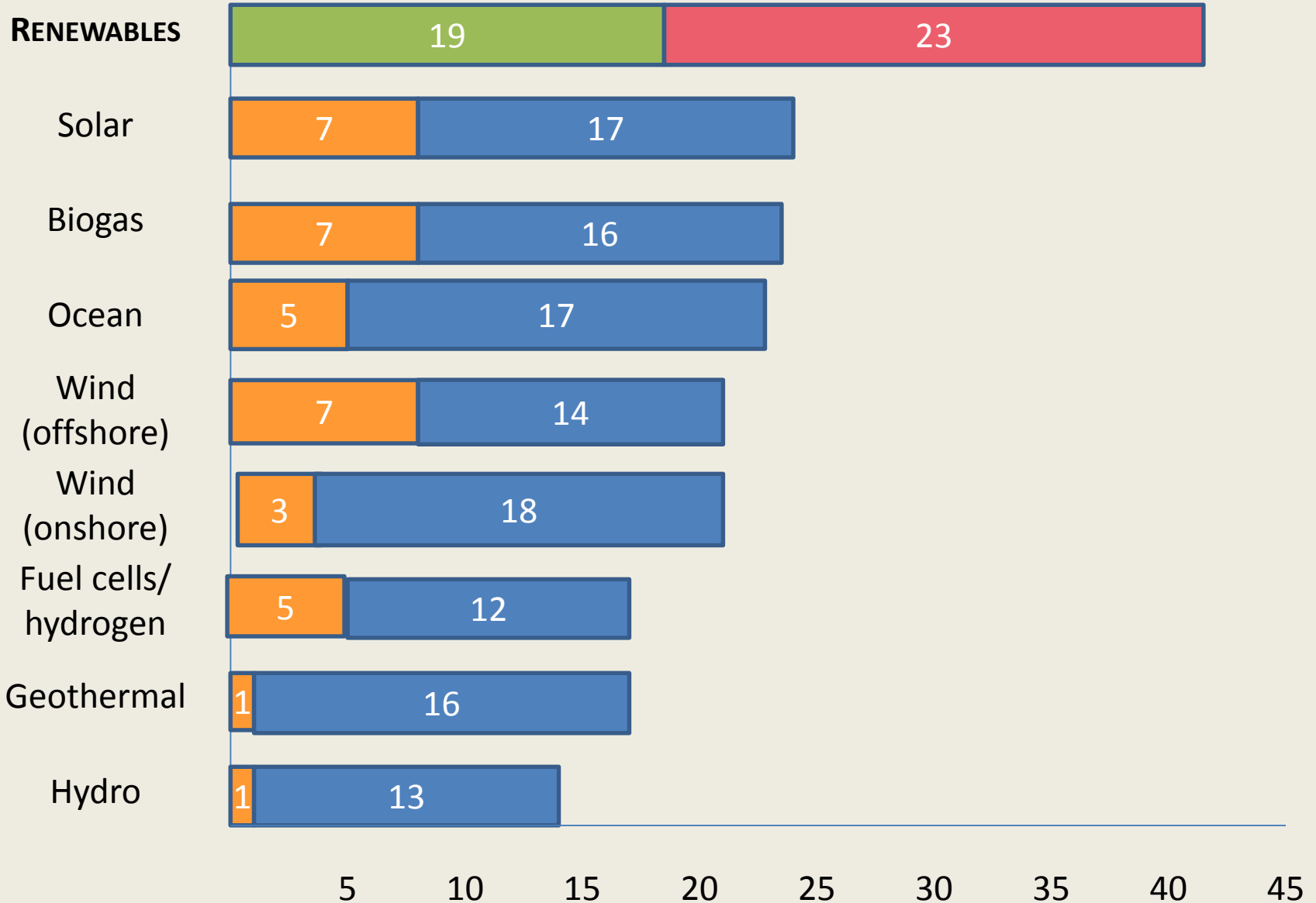
Co-organised by S3 Platform & ERRIN

9 March 2016

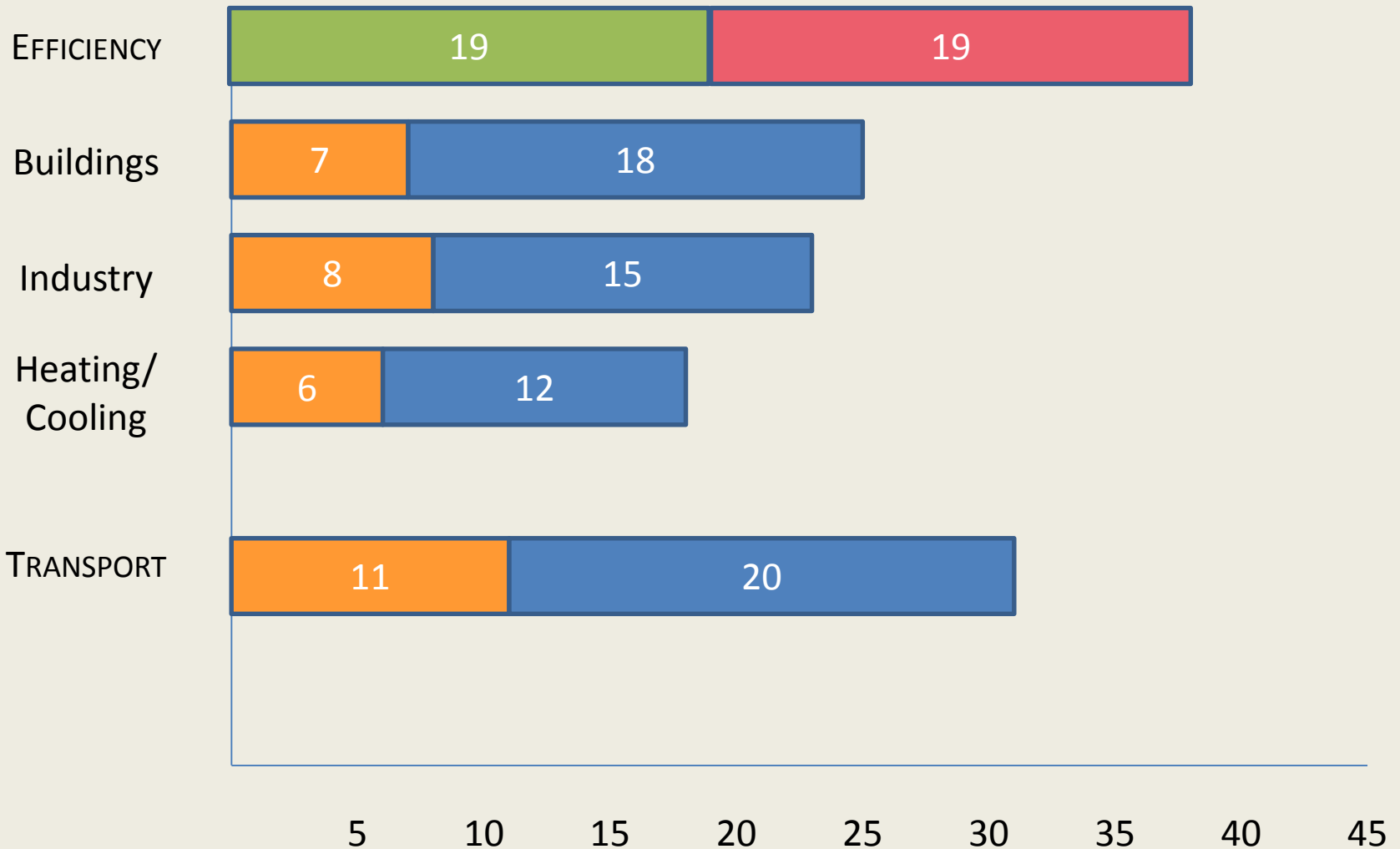
Regional s3 energy priorities & profiles – results of participant surveys

Thomas Jensen, South Denmark European Office

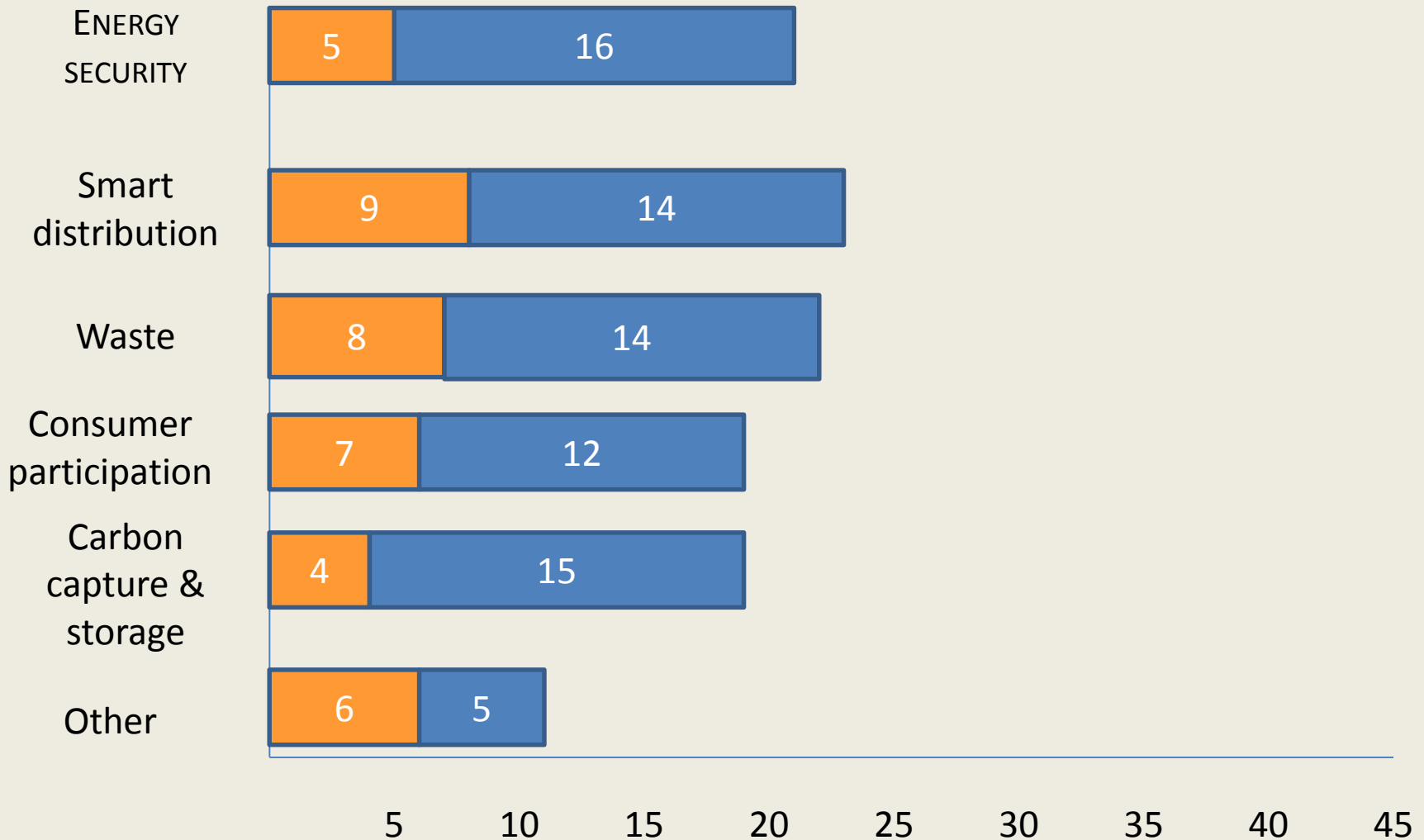
S3 ENERGY PRIORITIES



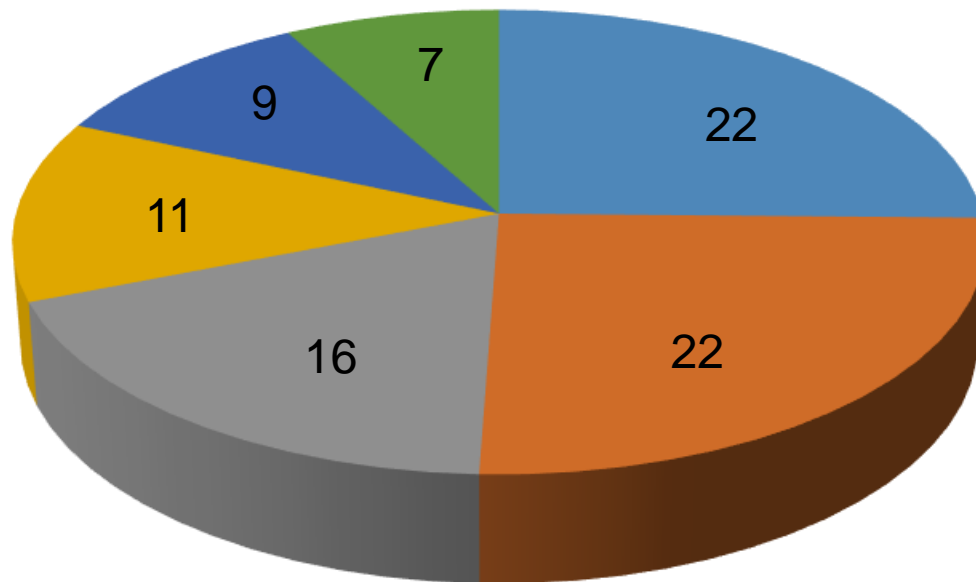
S3 ENERGY PRIORITIES



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

GOOD PRACTICES

Some examples of scalable good practices

- [Port investments](#) related to development of renewable marine energies (Normandy)
- Third party [financing model](#) for private building renovation for energy efficiency (1) and [Valorisation of biomethane](#) (2) (Alsace)
- [Matching power supply and demand](#) amongst household: 'Powermatching City' (Cities Northern Netherlands)
- Bio refinery integrated into pulp or paper mill: 'BioA[®]' (Kymenlaakso)
- [Steel innovation cluster](#) (Asturias)

FOLLOW UP OF THE SURVEY

Suggestions

- Answers could be made available to all participating regions (*if consent*)
 - To enhance exchange of knowledge on SWOT of the different regions
 - To give insight to JRC on issues, spread, priorities that are of concern to ERRIN's regions
 - To help matchmaking in crossborder co-operation between regions
- Later: a matchmaking / project development workshop for regions with similar plans?

Follow up of the survey

ANY SUGGESTIONS FROM THE PARTICIPANTS?