

# BRIDGE








Accelerating smart grid and storage deployment by  
removing barriers to innovation

Rémy Dénos

DG Energy

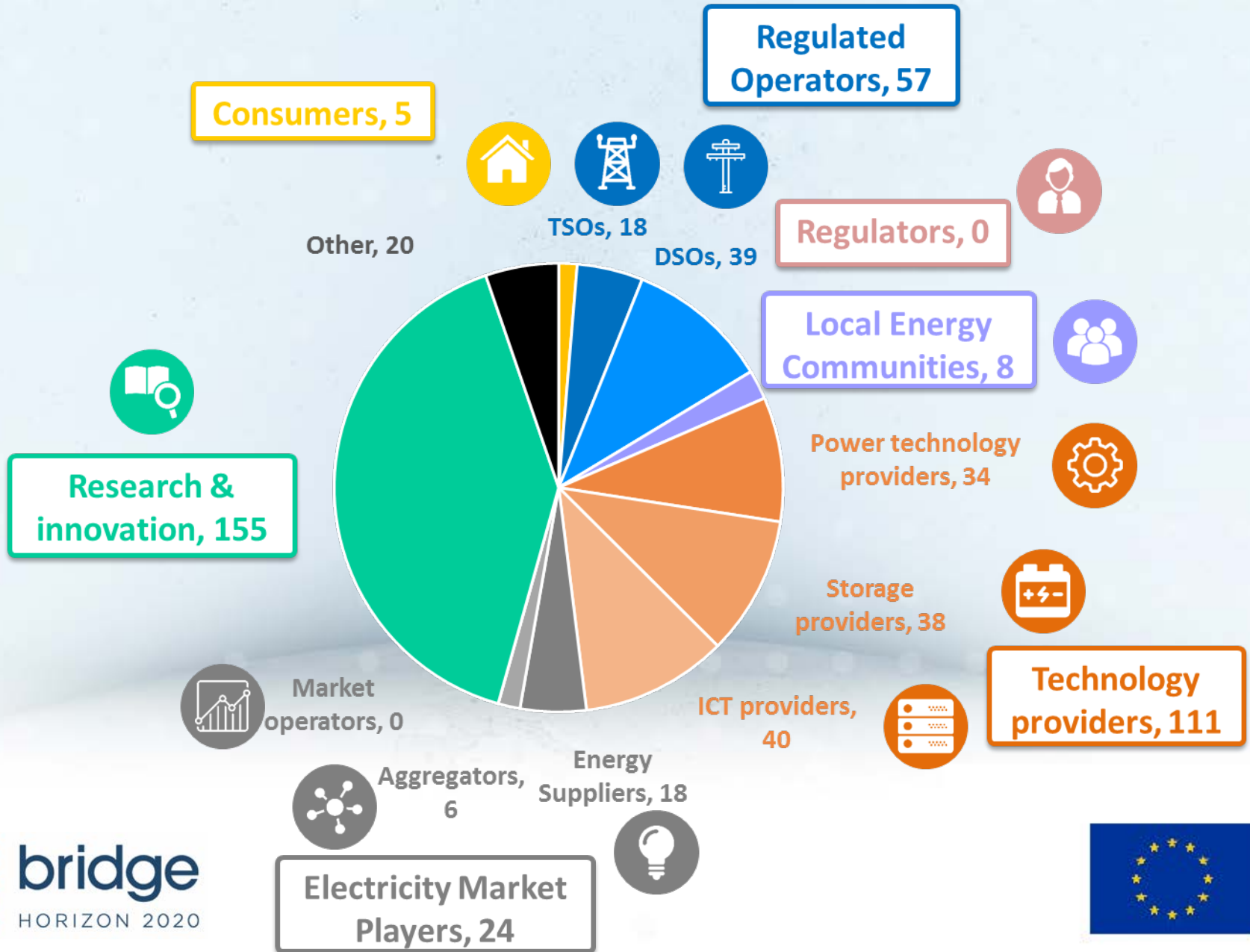
H2020 Energy Info days 24/10/2017

# BRIDGE projects overview

Distribution grids	Distributed Storage	Transmission grids	Large-scale storage	RES and H&C
<p><b>2014:</b> 10 projects, 60 M€</p> 	<p><b>2014:</b> 7 projects, 72 M€</p> 	<p><b>2015:</b> 4 projects, 82 M€</p> 	<p><b>2015:</b> 2 projects, 25 M€</p> 	<p><b>2016:</b> 2 projects, 8 M€</p> 
<p><b>2016:</b> 7 projects, 90 M€</p> 		<p><b>2016:</b> 1 project, 10 M€</p> 		



# A wide range of Stakeholders

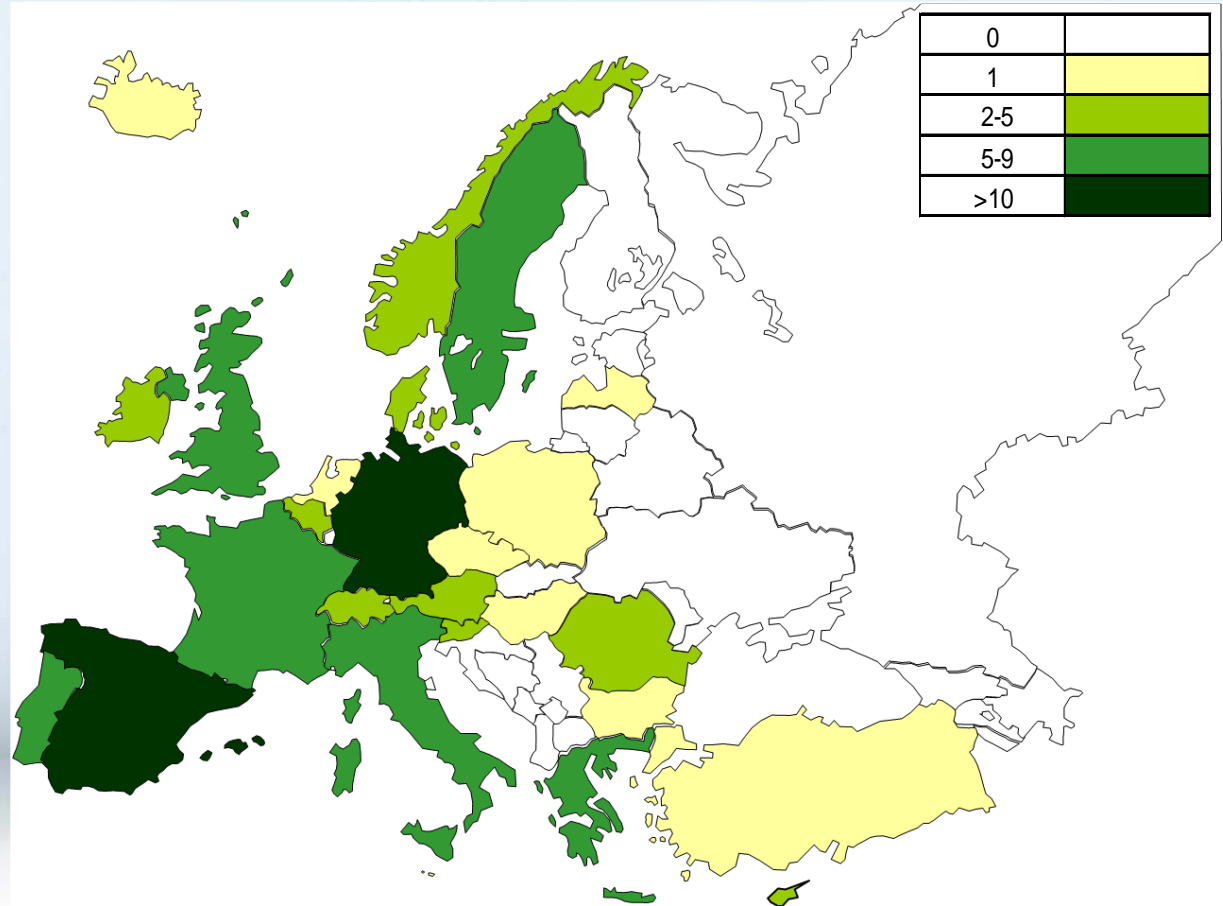


# A wide geographical distribution

*26 countries are hosting BRIDGE demos or pilots*

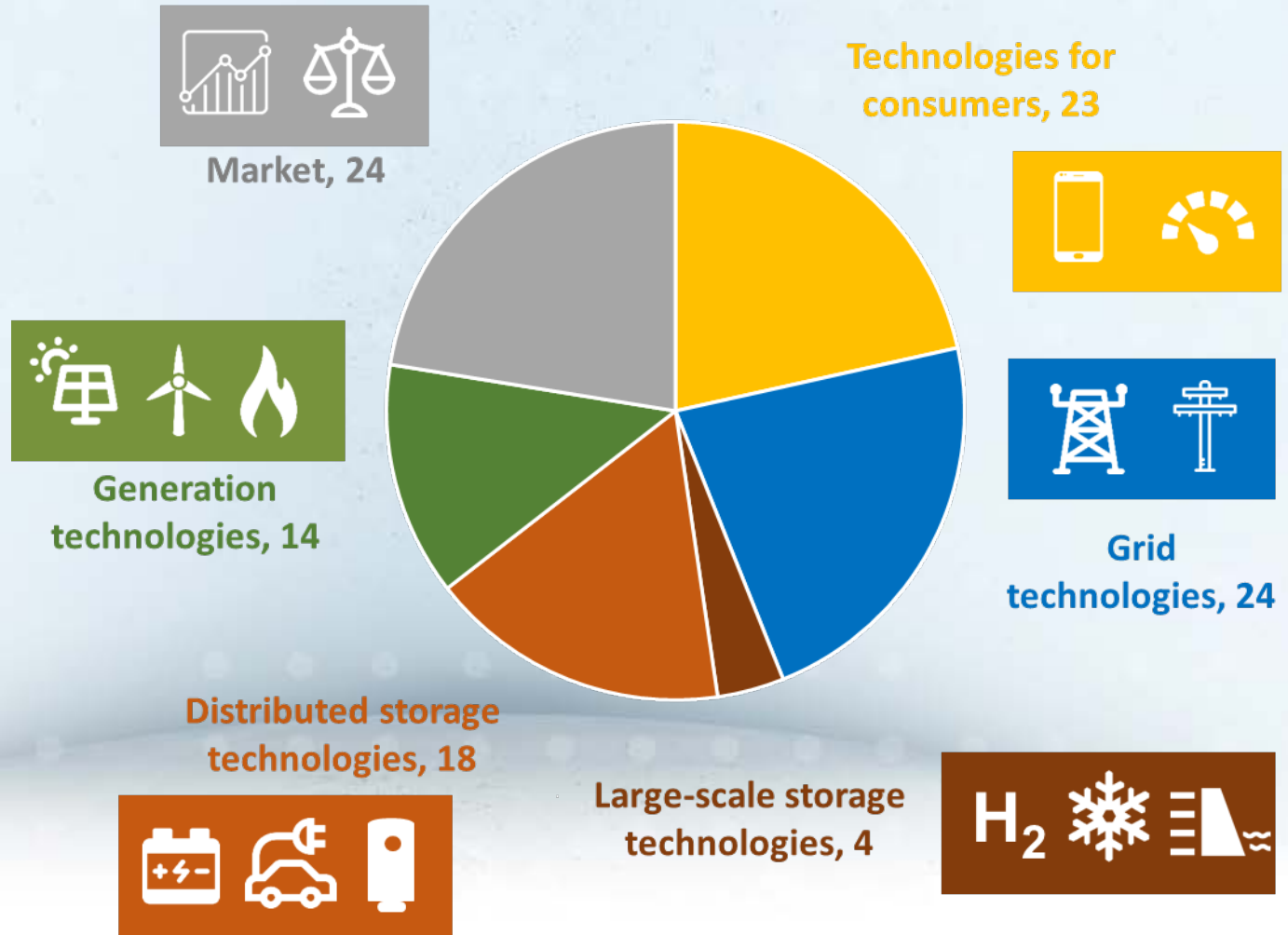
**Locations of  
the BRIDGE  
demos and  
pilots**

0	
1	
2-5	
5-9	
>10	



# A wide range of Technologies

Number of projects addressing each family of technologies



# Which barriers to Innovation were identified ?

Data  
management

Business Models

Regulations

Customer  
engagement

## BRIDGE

- Is a European Commission initiative
- Gather Horizon 2020 Smart Grid and Energy Storage demonstration projects
- Creates a structured view of obstacles to innovation.
- Fosters continuous knowledge sharing amongst projects
- Deliver-conclusions and recommendations with a single voice



Data  
management

Business Models

Regulations

Customer  
engagement

- Many different Regulations apply to storage
- Network Codes
- Regulatory framework may vary from one country to another



Data  
management

Business Models

Regulations

Customer  
engagement

- Residential Microgrid
- Balancing between phase
- Flattening demand
- Use of EVs and storage
- 2<sup>nd</sup> life batteries
- Aggregation of heat load
- Price variation allows to quantify benefits (e.g. 200 Eur savings over a year for heating)
- But many services have currently no price

