



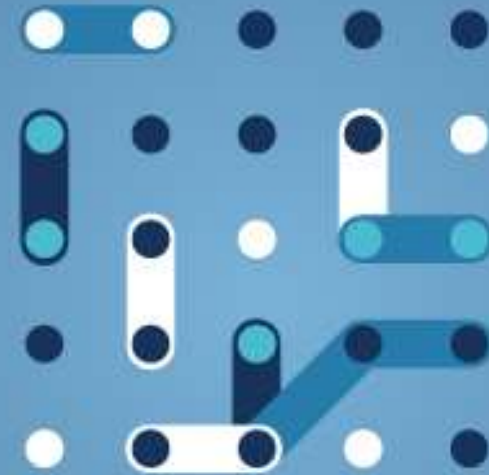
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ENLIT EUROPE – EU Project
ZONE

*How to be react to the energy crisis – fostering
R&I activities, scaling up innovative solutions,
and ensuring their market uptake*

16.15 – 17.15
29 November 2022

Moderated by Manuel Serrano (GRUPO ETRA)



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Agenda – Enlit 2022

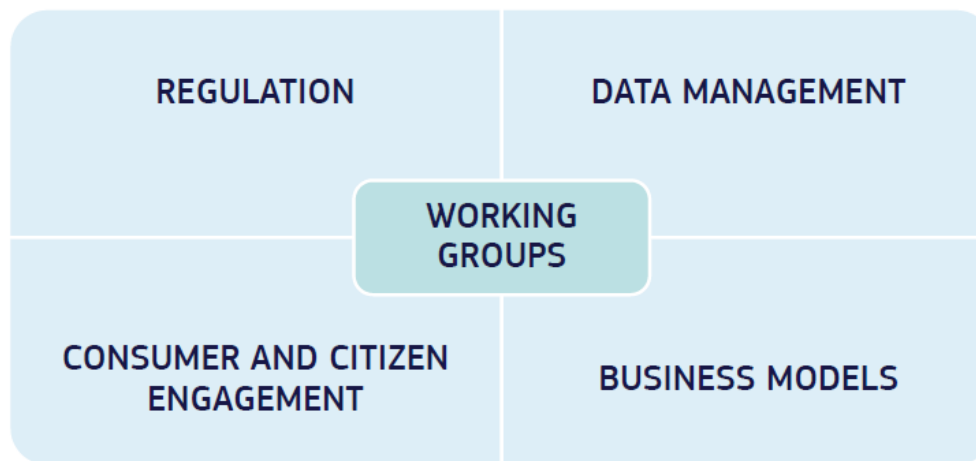
16.15 – 16.20	Opening the session by the Moderator – Manuel Serrano (Grupo ETRA)
16.20 – 16.25	Presentation of the BRIDGE working group on Regulation - <i>Helena Gerard BRIDGE Regulation WG Chair</i>
16.25 – 16.30	Presentation of the BRIDGE working group on Business Model - Andrej Gubina <i>BRIDGE Business model WG Chair</i>
16.30 – 16.35	Presentation of the BRIDGE working group on Consumers and Citizens engagement - Johannes Slacik <i>BRIDGE Consumers and Citizens engagement Action Leader</i>
16.35 – 16.40	Presentation of the BRIDGE working group on Data Management – <i>Olivier Genest BRIDGE Data Management WG Chair</i>
16.40 – 17.10	Panel discussion around three main topics: <ul style="list-style-type: none">• 1st Round on Integration (10mins)• 2nd round on Digitalisation (10mins)• 3rd Round on Flexibility (10mins)
17.10 – 17.15	Key take aways and conclusions – Manuel Serrano (Grupo ETRA)
17.15	End of the meeting

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BRIDGE is a European Commission initiative created in 2016, which unites Horizon 2020 and Horizon Europe Smart Grid, Energy Storage, Islands, and Digitalisation projects.

It seeks to streamline a common approach towards those cross-cutting issues usually encountered in the projects' demonstration phase and which may constitute an obstacle to innovation.

The BRIDGE process fosters continuous knowledge sharing amongst projects, thus allowing them to deliver conclusions and recommendations about the future exploitation of the project results with a single voice. It does so through four different Working Groups representing the main areas of interest:



Learn more:

<https://bridge-smart-grid-storage-systems-digital-projects.ec.europa.eu/>

Speakers



**Helena Gerard
(VITO)**

REGULATION WG



**Johannes Slacik
(ENERGIEINSTITUT-LINZ)**

**CONSUMER & CITIZEN
ENGAGEMENT WG**



**Manuel Serrano
(ETRA)**

Moderator



**Olivier Genest
(TRIALOG)**

**DATA
MANAGEMENT WG**



**Andrej Gubina
(UNIVERSITY OF LJUBLIJANA)**

BUSINESS MODELS WG

Regulation WG

Sub-group	Scope	Focus 2022
Action 1: Market access	Improve market access for consumers to value their flexibility	<p>Main question: Which regulatory barriers for consumers exist that hinder the valorization of their flexibility via implicit (tariffs) and explicit (markets) flexibility mechanisms</p> <p>Topics in scope: Flexibility products and services, Rules for aggregation (baseline methodology), Tariff design, Market processes (prequalification), Smart appliances, Sub-metering</p>
Action 2: Energy communities	Service provision by energy communities	<p>Main question: What are the possible grid services energy communities could deliver to support the future needs of the grid (both transmission and distribution)</p> <p>Topics in scope: Design of grid services and associated projects, role of energy communities, financing models</p>
Action 3: Market integration	Facilitate flexibility market coordination and integration	<p>Main question: What are existing 'market design' barriers (and possible solutions) to arrive at integrated and coordinated markets in Europe</p> <p>Topics in scope: TSO-DSO coordination, local market design, value stacking, flexibility in network planning, gaming</p>
Action 4: Sector Coupling	Support the potential synergies coming from increased sector coupling/sector integration/system integration	<p>Main question: Which regulatory barriers exist that limit the potential of sector coupling/sector integration</p> <p>Topics in scope: service provision by E-Mobility, integration with heat, sector integration at household level, offshore wind integration</p>

Business Model

Scope

Focus 2022

Value Analysis Methodology

To define the Value Analysis Methodology, covering the relationship of Use Cases, Business Models, Services, Actors, and value chain segments of the involved projects.

Classify, cluster and analyse the types of business models in the BRIDGE projects to:

- Determine the key revenue streams and the main barriers for their realization.
- Show the barriers that prevent revenue streams.
- 4 clusters: Demand response, Flexibility provision, Energy communities, and Bulk RES selling.
 - ✓ Key BM features: main BRIDGE projects, key partner roles identified, key activities, the main value propositions, customer segments, customer relationships, channels, key resources, cost structure and revenue streams.
 - ✓ Assess current situation, trends and barriers per each cluster.

Best Practice Identification

To identify the best practice for monitoring and impact analysis of Use Case demonstrations using standardized Key Performance Indicators.

Compile the insights on:

- The value chains as the basis for definition of the key performance indicators,
- The KPIs as the function of actors or stakeholders,
- Key concepts of business models evaluation,
- Ways to define the hierarchical structure of the KPIs, and
- The DSO and TSO perspectives.
 - ✓ Show the examples of key exploitable results and the key performance indicators
 - ✓ Compare their function and the differences on practical examples.




Lessons from the Field

To highlight concrete results from projects, and identify good practices and possible barriers to be used in benchmarking.

• Prepare a questionnaire on lessons learned, good practices, identified barriers, and current trends

- ✓ Lessons learned focus on value proposition and revenue models for energy communities, digitalisation impact, barriers and ways to overcome them in digitalisation activities, and the lessons learned about the impact of digitalisation in the project setting.
- ✓ Good practices cover business model tools, methodology employed, KER and IPR treatment.
- ✓ Identify current and future industry trends and their impact in Horizon projects.

Consumer and Citizen Engagement WG

Subgroup	Scope	Focus 2022
 <p>Indicators of Engagement</p>	<p>To collect qualitative and quantitative indicators to assess consumer engagement over time</p>	<p>Taxonomy of indicators of engagement with:</p> <ul style="list-style-type: none"> • Assessment of the purposes of the indicator • Assessment of advantages and disadvantages of the indicator • Assessment of indicators usefulness in different phases of a project • Assessment of the usefulness of indicator for specific user/stakeholder groups <p>Taxonomy of problems associated with the assessment of indicators of engagement and best practices on how to reduce them</p>
 <p>Smart Tools</p>	<p>To collect a list of Smart Tools targeted consumers and the approaches to development and use</p>	<p>Design Thinking approach (development aspect):</p> <ul style="list-style-type: none"> • Establish definition of Design Thinking with project examples of implementing the approach in the design of Smart Tools <p>Smart Tools for consumer action (use aspect):</p> <ul style="list-style-type: none"> • Explore methodologies, use cases and experiences with Smart Tools for consumer action such as Demand Response <p>Replication of Smart Tools (use aspect):</p> <ul style="list-style-type: none"> • Elicit replication requirements to ensure the use of Smart Tools in new environments
 <p>Strategies of Engagement</p>	<p>To collect strategies and methods and underlying assumptions used by the projects to engage consumers and citizens</p>	<ul style="list-style-type: none"> • Gather and structure effective strategies of engagement • Understand stakeholders and end users: <ul style="list-style-type: none"> ✓ Stakeholder categorisation ✓ Cultural, social, and geographic dimensions • Gender challenges and opportunities for engagement • Managing engagement

Data Management WG

Workplan for 2022

Scope of the WG



Communication Infrastructure to exchange data (technical and non-technical)



Cybersecurity and Data Privacy



Data Handling, including the framework for data exchange and related roles and responsibilities



	Subgroup	Scope
1	Use-case repository	Set-up and populate a use-case repository based on IEC 62559-2 and SGAM (continuation)
2	Data Exchange Reference Architecture	Support the implementation of a Data Exchange Reference Architecture to enable interoperable energy & cross-sector data exchange (continuation)
3	Reference Framework	Further develop Generic Business Processes (common denominator between projects) to support the interoperability and the harmonization of the roles and processes (continuation)
4	BRIDGE Standards User Group	Set-up a user group to enable bi-directional cooperation between BRIDGE and the standardisation bodies (continuation)
5	Interoperability of home appliances	Analyse the approaches and solutions adopted in BRIDGE projects to achieve home appliances interoperability and identify possible synergies between projects (new)

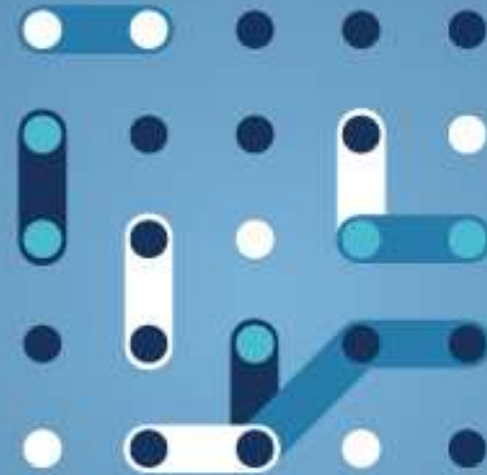


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PANEL DISCUSSION

- 1- SECTOR INTEGRATION
- 2- DIGITALISATION
- 3- FLEXIBILITY



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WARM-UP & PANEL DISCUSSION

1- What would be your recommendations as BRIDGE Chairs to move toward a clean and efficient (competitive) energy system, any lessons learned from your WG?

2- How BRIDGE can be beneficial for policymakers?

PANEL DISCUSSION → SECTOR INTEGRATION



Instruction for the audience: Please RAISE the card corresponding to what you think!

Integration of which sectors provides the richest source of value for business model creation?

- ***Electricity and Heat*** 
- ***Heat and Transport*** 
- ***Electricity and transport*** 

The role of hydrogen in the 2030 system

- ***1) significant*** 
- ***2) marginal*** 
- ***3) unclear*** 

Panel Discussion → Digitalisation



Instruction for the audience: Please RAISE the card corresponding to what you think

“Digitalisation allows for stakeholder engagement and gender integration supporting individual motivation and collective action for changing energy consumption behaviour.”

What is the main challenge to address to enable digitalisation?

- ***Technical*** 
- ***Public acceptance*** 
- ***Regulation*** 

What is the main factor for staying engaged with Consumers and Citizen in order to change the energy consumption behavior?

- ***Project involvement (co-creation)*** 
- ***User-centred digital tools (platforms, apps)*** 
- ***Incentive setting*** 

Panel Discussion → Flexibility

What do you see as barriers to the uptake of flexibility and which recommendations would you have?

Q&A

Visit the **BRIDGE** website to find:

The latest case studies



Newsletters



Reports & Brochure



THANK YOU FOR YOUR PARTICIPATION!!

Contact

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- **WG CONSUMER AND CITIZEN ENGAGEMENT** - consumercitizengage@h2020-bridge.eu
- **WG BUSINESS MODELS** - businessmodel@h2020-bridge.eu



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