



MARKET ENABLING INTERFACE TO UNLOCK FLEXIBILITY SOLUTIONS FOR COST-EFFECTIVE MANAGEMENT OF SMARTER DISTRIBUTION GRIDS

Deliverable: D11.4

Coordination with EU-funded projects, Participatory Processes and training



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Document

D11.4 Coordination with EU-funded projects, Participatory Processes and training

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RE Restricted to a group specified by the consortium (including the Commission Services)

CO Confidential, only for members of the consortium (including the Commission Services)

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2 Executive Summary

EUniversal Project will enable the transformation of the electricity grid by overcoming existing limitations in the use of flexibility by DSOs through the implementation of a Universal Market Enabling Interface (UMEI). Based on this transformative concept, grids will become capable of accommodating future scenarios through the active use of grid services, fostering innovative market mechanisms, and bring additional value to society.

Work Package 11 aims to:

- [1] Implement dissemination, communication and training strategies integrated within the Dissemination Plan.
- [2] Identify, design and carry out dissemination and communication activities during the project's lifecycle.
- [3] create synergies among similar EU-funded projects through the BRIDGE initiative based on a solid cooperation.
- [4] increase social awareness and acceptance of EUniversal innovative solutions fostering an energy transition.

The main goal of task T11.3. Coordination with similar EU-funded projects through the BRIDGE initiative is to boost synergies among similar EU-funded projects through the BRIDGE initiative based on a solid cooperation.

The aim will be to analyse together policy relevant issues and obstacles for novel initiatives in terms of regulation, business models, data management and consumer engagement in order to foster knowledge exchange and dissemination.

Throughout the project execution, EUniversal will provide outputs to the BRIDGE Working Groups. This cooperation will include at least 1 dedicated workshop with other BRIDGE initiatives in order to set the conclusion of the project results.

The main goal of deliverable D11.4 is to explain which were the exchanges that the project promoted, or synergies found with other related EU-funded projects, namely BRIDGE projects.

3 Introduction

3.1 EUniversal project

The EUniversal project is a response to the call LC-SC3-ES-1-2019, entitled “Flexibility and retail market options for the distribution grid” of the Horizon 2020 programme. It is coordinated by EDP Distribuição and has 19 partners from eight countries - Portugal, Spain, Germany, Poland, Belgium, Norway, United Kingdom and Cyprus - who will work together until August 2023 to demonstrate a replicable solution for the interaction of the Distribution Network Operator with the new flexibility markets - Universal Market Enabling Interface (UMEI).

Started in February 2020, it has an expected duration of 42 months and foresees the development of solutions that allow the integration of flexibility in the operation and planning of the distribution network, through market mechanisms and innovative services.

The objective of the project is to allow the massive integration of renewable production through services that allow the participation of flexible resources such as storage systems and electric vehicles - V2G, consumers and energy communities.

The solutions developed within the scope of the project will be demonstrated in three pilots (Portugal, Germany and Poland), with different distribution networks and different regulatory frameworks.

3.2 Objectives and structure of the deliverable

Task 11.3. “Coordination with similar EU-funded projects through the BRIDGE initiative” will boost synergies among similar EU-funded projects through the BRIDGE initiative based on solid cooperation.

The aim is to analyse together policy relevant issues and obstacles for novel initiatives in terms of regulation, business models, data management and consumer engagement to foster knowledge exchange and dissemination.

Throughout the project execution, EUniversal will provide outputs to the BRIDGE Working Groups. This cooperation will include at least 1 dedicated workshop with other BRIDGE initiatives in order to set the conclusion of the project results.

The objective of this deliverable is to explain which were the exchanges that the project promoted, or synergies found with other related EU-funded projects, namely BRIDGE projects.

This is the 2nd version (M30) of deliverable D11.4, updated with the activities developed in the 2nd reporting period (M18 to M30). The 1st version (M18) of D11.4 was submitted on July 2021.

The deliverable will be updated on a yearly basis.

4 Coordination with EU-funded projects, Participatory Processes and training

4.1 Project representatives

In the table below are listed the members of EUniversal project involved in the BRIDGE initiatives:

Table 1 BRIDGE Project Representatives M1 to M18

Last name	First name	Mail Contact	Organisation	BRIDGE Working Group / Role
Marques	Pedro	carlospedro.marques@e-redes.pt	E-REDES	Project Coordinator
Piteira	Rita	rita.piteira@e-redes.pt	E-REDES	Joint Communication / Communication Manager
Chaves	José Pablo	Jose.Chaves@iit.comillas.edu	COMILLAS	Regulation
Falcão	João	joao.falcao@e-redes.pt	E-REDES	Regulation
Garcia	André	andre.garcia@e-redes.pt	E-REDES	Data Management
Beckstedde	Ellen	ellen.beckstedde@vlerick.com	VLERICK	Business Models
Falcão	João	joao.falcao@e-redes.pt	E-REDES	Business Models
Vanschoenwinkel	Janka	janka.vanschoenwinkel@vito.be	VITO	Consumer and Citizen Engagement
Albuquerque	Susete	susete.albuquerque@e-redes.pt	E-REDES	Consumer and Citizen Engagement
Silva	Carlos	Carlos.damassilva@e-redes.pt	E-REDES	Replicability/Scalability Analysis
Albuquerque	Susete	susete.albuquerque@e-redes.pt	E-REDES	Energy communities
Cruz	José	Josemiguel.cruz@e-redes.pt	E-REDES	R&I priorities

Table 2 - BRIDGE Project Representatives M19 to M30

Last name	First name	Mail Contact	Organisation	BRIDGE Working Group /role
Marques	Carlos Pedro	carlosPedro.Marques@e-redes.pt	E-REDES	Coordinator
Piteira	Rita	rita.piteira@e-redes.pt	E-REDES	Communication Manager
Kessels	Kris	kris.kessels@vito.be	VITO	WG Regulation
Lacerda	Madalena	madalena.lacerda@e-redes.pt	E-REDES	WG Regulation
Falcão	João	joao.falcao@e-redes.pt	E-REDES	WG Regulation
Chaves Ávila	Jose Pablo	Jchaves@comillas.edu	Comillas	WG Regulation
Troncia	Matteo	Mtroncia@comillas.edu	Comillas	WG Regulation
Silva	Carlos	carlos.damassilva@e-redes.pt	E-REDES	WG Data Management
Beckstedde	Ellen	ellen.beckstedde@vlerick.com	VLERICK	WG Business Models

Cardoso	Sara	sara.cardoso@e-redes.pt	E-REDES	WG Business Models
Vanschoenwinkel	Janka	janka.vanschoenwinkel@vito.be	VITO	WG Consumer and Citizen Engagement
Albuquerque	Susete	susete.albuquerque@e-redes.pt	E-REDES	WG Consumer and Citizen Engagement
Martiarena	Leire	LMARTIARENA@zabala.es	ZABALA	WG Consumer and Citizen Engagement
Eguillor	Lucía	LEGUILLOR@zabala.es	ZABALA	WG Consumer and Citizen Engagement

4.2 BRIDGE Meetings attended

Listed below are the Working Groups, Task Forces or General Meetings in which EUniversal project has had representation:

Table 3 - BRIDGE Meetings Attendance M1 to M18

Meeting	Attendees	Date
BRIDGE General Assembly 2021	<i>José Pablo Chaves</i>	<i>04.03.2021</i>
BRIDGE General Assembly 2021	<i>Pedro Marques</i>	<i>02-04.03.2021</i>
BRIDGE General Assembly 2021	<i>Ellen Beckstedde</i> <i>Janka Vanschoenwinkel</i>	<i>03.03.2021</i>
BRIDGE meetings Tariff Setting Task Force	<i>Janka Vanschoenwinkel</i>	<i>Multiple meeting over the period May 2020 -October 2020</i>
BRIDGE meetings WG Consumer and Citizen engagement	<i>Janka Vanschoenwinkel; Susete Albuquerque</i>	<i>Multiple meeting over the period May 2020 -January 2021</i>
Bridge ES-1 Interproject Workshop	<i>Janka Vanschoenwinkel; Pedro Marques;</i> <i>Rita Piteira</i>	<i>26/04/2021</i>
BRIDGE Joint Communication Task Force	<i>Rita Piteira</i>	<i>29/06/2021</i>

Table 4 - BRIDGE Meetings Attendance M19 to M30

Meeting	Attendees	Date
Smart Tools Kick-off meeting	Lucía Eguillor	27/04/2022
Strategies of Engagement Kick-off meeting	Lucía Eguillor	2/05/2022
WG Consumer and Citizen Engagement Kick-off meeting	Lucía Eguillor	11/05/2022
Strategies of Engagement	Lucía Eguillor, Susete Albuquerque	8/06/2022
Smart Tools	Lucía Eguillor	8/06/2022
Effective Strategies of Engagement	Madalena Lacerda, Lucía Eguillor	28/06/2022
WG Regulation - Track 4 Meeting	Kris Kessels	21/09/2021
BRIDGE Regulatory WG - Action 1	Kris Kessels	23/09/2021
WG Business Model kick-off meeting and enrollment in Task 2	Ellen Beckstedde	xx/09/2021
WG Regulation Action 1 Workshop	Kris Kessels	22/11/2021
Contribution to Business Models WG questionnaire (December 2021)	Ellen Beckstedde	xx/12/2021
Citizens at the center: BRIDGE workshop integration of energy communities into the market	Janka Vanschoenwinkel	17/01/2022
WG Regulation Action-2 Workshop 'Energy Communities in the EU'	Janka Vanschoenwinkel	17/02/2022
Bridge General Assembly 2022	Kris Kessels	22-24/03/2022

4.3 Contributions to BRIDGE

The reports and/or actions in which the EUniversal project was involved were:

Table 5 Reports Contributions M1 to M18

Report/Action	Exploration of citizen engagement methodologies in European R&I projects
WG	Consumer and Citizen engagement WG
Project Participants	Janka Vanschoenwinkel
The WG had 4 main objectives among which “building methodologies to engage consumers in the energy sector” was one. Given the focus of EUniversal T5.3 on “Implications for flexibility services and market mechanisms in a peer-to-peer market setting”, EUniversal took part in the discussions and reviewed the document.	

Table 6 - Reports Contributions M19 to M30

Report/Action	Smart tools mapping
WG	Customer Engagement WG / Smart Tools sub WG
Project Participants	Lucía Eguillor
We have discussed and decided the focus points, objectives and activities of the group in 2022 and about the end results (methods and outputs).	

In the Smart Tools sub WG so far we have defined the scope of the concept ‘Smart Tools’ and fill in questionnaires about the projects we are representing to start mapping projects with Smart Tools supporting consumer participation.

Report/Action	Subgroups Topics definition
WG	Customer Engagement WG / Strategies of Engagement sub WG
Project Participants	<i>Lucía Eguillor, Susete Albuquerque</i>
<p>We have discussed and decided the focus points, objectives and activities of the group in 2022 and about the end results (methods and outputs).</p> <p>In the Strategies of Engagement sub WG, we have identified the topics to focus on which are divided in 3 discussion groups. Each participant has chosen one of these topics based on the interest of the project they are representing to start working.</p> <p>EUniversal is participating in the topic “Effective Strategies of Engagement”, for which the coordinators have been defined and an initial idea on the areas of focus discussed.</p>	

Report/Action	Enrolment in Business Models WG Task 2
WG	Business Models WG
Project Participants	<i>Ellen Beckstedde</i>
<p>Participation to Business Model WG Kick-off and enrollment in Business Models WG Task 2 on identifying the best practice for monitoring and impact analysis of Use Case demonstrations using standardized Key Performance Indicators.</p>	

Report/Action	Track 1- Action 1 - Product standardisation
WG	Regulatory WG
Project Participants	<i>José Pablo Chaves Ávila; Matteo Troncia</i>
<p>Providing inputs on products and services defined within EUniversal</p>	

Report/Action	Track 3 - Action 4 Link between different flexibility mechanisms
WG	Regulatory WG
Project Participants	<i>José Pablo Chaves Ávila; Matteo Troncia</i>
<p>Answering the questionnaire on action 4; Comillas was Action 4 leader; Drafting report on action 4; Presentation of action 4 during parallel Session Regulatory WG during the Bridge General Assembly (23/03/2022)</p>	

Report/Action	Track 4 - Action 5 - Local Markets
WG	Regulatory WG
Project Participants	<i>Kris Kessels; José Pablo Chaves Ávila; João Falcão</i>
<p>Answering the questionnaire on local market concepts (ALL)</p> <p>Contribution to the action 5 reporting; Presentation of action 5 during parallel Session Regulatory WG during the Bridge General Assembly (23/03/2022) (VITO)</p>	

4.4 Lessons learnt from BRIDGE

Some of the lessons learnt from BRIDGE have been useful at the EUniversal project and/or at an organizational level.

4.4.1 M1 to M18

Based on the discussion ebalance-plus project we discussed the need to adapt differences of DSOs sizes to solutions and regulations. The capabilities and knowledge may change among the DSOs and different solutions need to be considered accounting for these differences.

Another relevant topic discussed to overcome the regulatory challenges is the development of Regulatory Sandboxes to try new services, products or technologies which are not currently considered with current regulations. These initiatives have been mentioned in the JRC Distribution System Operator Observatory 2020 and are currently under development in different European projects.

The insights gained from the participation in the working group on Consumer and Citizen engagement will prove valuable during T5.3 of the EUniversal project. In particular, the new governance model related to energy communities provide insights into the working of more centralized P2P-market models.

4.4.2 M19 to M30

Customer Engagement WG:

- So far, we count with the BRIDGE outcomes and outputs of last year. We have been provided with the CCE WG 2022 report which will serve as baseline for the activities to be carried out this year

Regulation WG:

- Through action 1 and 5 of the regulatory WG we were able to compare the market design concepts and products and services proposed within EUniversal with the local market designs proposed in other projects.
- In addition, we were able to share the overview of flexibility mechanisms and the qualitative assessment of different combination of flexibility mechanisms (which was elaborated within task 5.1) through action 4 which was led by Comillas.

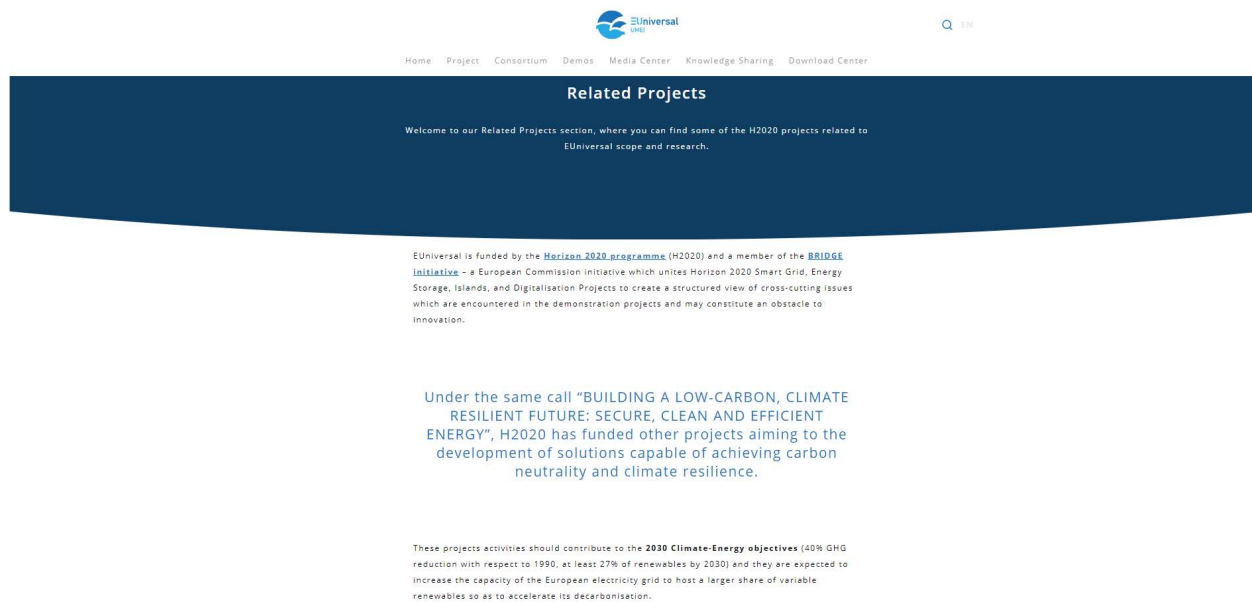
4.5 Synergies with other BRIDGE projects

4.5.1 M1 to M18

EUniversal project promoted information exchange and synergies with the rest of the BRIDGE projects from the same call, or other related.

One of the ways we found to boost synergies among similar projects was to publish a Related Projects page in the project website, where we have included several projects that answered the same call and that are, somehow, related to EUniversal scope and research: <https://euniversal.eu/knowledge-sharing/related-projects/>

Figure 1 Website Related Projects page snapshot



An individual contact was established with the project coordinator and/or communication manager to present the initiative and to promote future synergies and joint efforts on dissemination activities, creating more a more dynamic collaboration relation between projects.

The related projects were also invited to learn more about EUniversal and to follow the project work.

José Pablo Chaves had a bilateral meeting with Mara van Welie from ebalance-plus project on regulatory obstacles to innovation. As part of the discussion, the reference to EUniversal Deliverable 5.1 was highlighted.

In Task 10.2, we build further on deliverable 2.4 of INTERFACE project. Where the deliverable of the INTERFACE project focused on a quantitative analysis of flexibility markets, we develop a qualitative analysis on the risks of gaming stated in INTERFACE deliverable.

We also joined in the Bridge ES-1 Interproject workshop organized together with Platone where we presented the EUniversal project and where we participated in the discussions.

A Project Workshop was organized in July 2021 to share the work done and project achievements. Several related projects were invited to participate in the 3 breakout sessions that were promoted on i) Flexibility in distribution networks: DSO perspective; ii) DSO Interfaces for enabling market-based flexibility and iii) Local market and flexibility product design.

Detailed information on this initiative can be consulted in deliverable D11.3

4.5.2 M19 to M30

- Organization of a Project Workshop in May 2022 to share the work done and project achievements. Several related EU projects were invited to participate in the general session and in the 3 breakout sessions that were promoted on i) regulatory and policy issues; ii) presentation of the UMEI and its compatibility with the market platforms and iii) technical session focused on DSO tools. Detailed information of this initiative can be consulted in deliverable D11.3.

Figure 2 - EUniversal 2022 Workshop Registration



MAY 9, 2021 | 14H30 - 17H00 (WET)
PORTO, PORTUGAL

EUNIVERSAL WORKSHOP 2022

[REGISTER NOW](#)

Learn about the work developed so far and how the project is addressing several topics for which we aim fruitfully insights and an active debate:

- Regulation and Policies
- Presentation of the UMEI interface and interoperability between DSOs and flexibility markets
- Technical session on DSO tools for operation optimization through flexibility



Figure 3 - EUniversal Workshop 2022 General Session

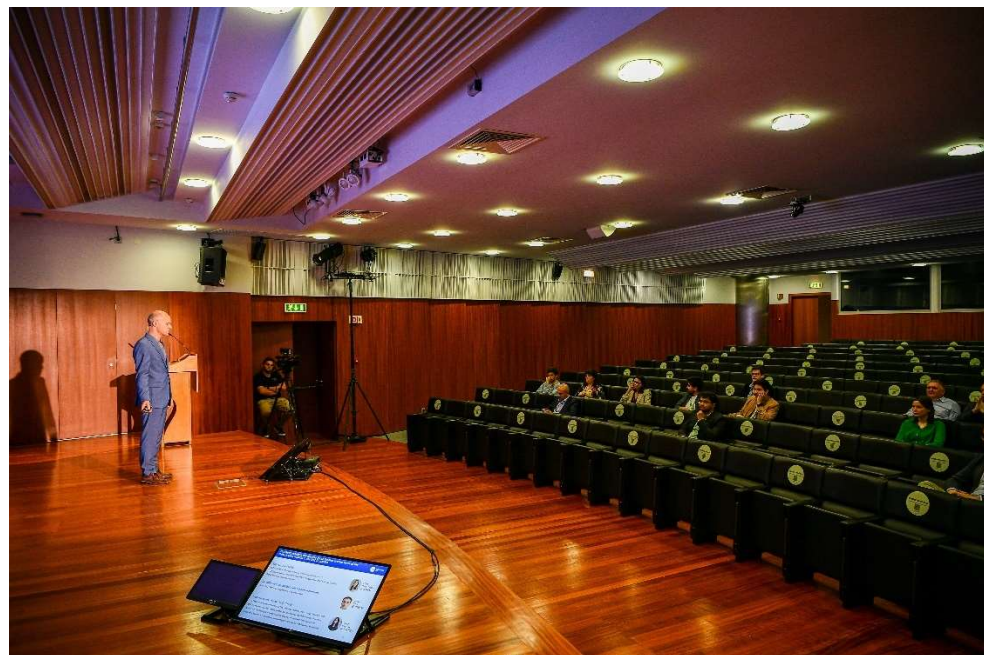


Figure 4 - EUniversal Workshop 2022 - Breakout Session 1



Figure 5 - EUniversal Workshop 2022 - Breakout Session 2



Figure 6 - EUniversal Workshop 2022 - Breakout Session 3



- Participation in the event “[Real Progress along the road to flexibility](#)” alongside with other 4 BRIDGE projects on the panel “Foundations that underpin flexibility” exchanging ideas and experiences on the key topics: i) Planning and forecasting; ii) Network coordination and operation; iii) Interoperability and data exchange. The debate key conclusions are available [here](#).

Figure 7 - E-REDES event on flexibility - EUniversal presentation



Figure 8 - E-REDES event on flexibility - EUniversal panel representation



4.6 Estimation of effort

In the table below is described the estimated effort in person-months incurred during the period for the activities described above:

Table 7 Estimated Effort M1 to M18

Partner	PM	Time Period
COMILLAS	0,5	M1 to M18
E-REDES	0,20	M1 to M18
VITO	0,33	M1 to M18
VLERICK	0,33	M1 to M18

Table 8 Estimated Effort M19 to M30

Partner	PM	Time Period
COMILLAS	0,5	M19 to M30
E-REDES	0,33	M19 to M30
VITO	0,5	M19 to M30
VLERICK	0,33	M19 to M30
ZABALA	0.5	M19 to M30