

D8.4

Report on communication & dissemination activities, interactions with BRIDGE and AB - 1



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D8.4	Work Package No.	WP8	Task/s No.	Task 8.1, 8.2, 8.6
Work Package Title	Exploitation, Dissemination & Communication, Clustering activities & Capacity Building programme			
Linked Task/s Title	T8.1 Implementation of the Dissemination strategy, T8.2 Implementation of the Communication strategy, T8.6 Interaction with International Advisory Board			
Status	Final	(Draft/Draft Final/Final)		
Dissemination level	PU – Public	(PU-Public / SEN- Sensitive, limited under the conditions of the Grant Agreement / Classified R-UE (EU Restricted) / Classified C-EU (EU Confidential) / Classified S-EU (EU Secret)		
Due date deliverable	2024-08-31	Submission date	2024-08-28	
Deliverable version	V1			

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Document History

Version	Date	Comment
1	27/08/2024	

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List of abbreviations

Abbreviation	Term
AB	Advisory Board
BSUG	BRIDGE Standards User Group
CA	Consortium Agreement
D	Deliverable
D&C	Dissemination and Communication
DEC	Dissemination, Exploitation and Communication
DERA	Data Exchange Reference Architecture
DSO	Distribution System Operator
EU	European Union
EUSEW	European Sustainable Energy Week
H2020	Horizon 2020
HE	Horizon Europe
IEC	International Electrotechnical Commission
IEEE	Institute of Electrical and Electronics Engineers
IP	Intellectual Property
IPR	Intellectual Property Rights
KER	Key Exploitable Results
KPI	Key Performance Indicator
M	Month
MOOC	Massive Open Online Course
MSc	Master of Science
NEMO	Nominated Electricity Market Operator
RWG	Regulatory Working Group
R&D	Research and Development
R&D&i	Research, Development and innovation
RKA	Results Key Account
SMEs	Small and Medium-sized Enterprises
TSO	Transmission System Operator
WG	Working Group
WP	Work Package

1. Executive Summary

The present document represents Deliverable 8.4 – Report on communication & dissemination activities, interactions with BRIDGE and AB – 1. of the BeFlexible project. It has been developed as part of Work Package 8 – Exploitation, Dissemination & Communication, Clustering activities & Capacity Building programme, coordinated by Zabala Innovation.

The deliverable compiles the tools, actions, procedures and results of the dissemination, exploitation and communication (DEC) actions, achieved during the first 24 months of the project. These activities were foreseen in the **Dissemination, Communication and Exploitation Plan - 1 (D8.1)**, created in month 3. The DEC actions detailed in D8.1 have been in effect since the project's initiation. This report consolidates all **executed activities**, categorized according to the respective tasks within WP8. Therefore, the document is structured into the following sections:

1. Implementation of the Dissemination Strategy – Pertinent to Task 8.1.
2. Implementation of the Communication Strategy – Task 8.2.
3. Exploitation strategy and Intellectual Property Rights (IPR) – Task 8.3.
4. Clustering activities and interaction with BRIDGE – Task 8.5.
5. Interaction with International Advisory Board (AB) – Task 8.6.

It should be noted that the only task within WP8 not detailed in this deliverable is Task 8.4 Capacity Building Programme (lead by Comillas Pontifical University). The activities for this task are more thoroughly explained in Deliverable 8.6 Clustering plan and education and learning programme.

This report also includes the **monitoring of the established KPIs and the achieved results**, which allows for measuring which channels and actions are functioning correctly and, identifying potential pivots in the strategy. Additionally, it outlines **future steps and strategies** that will build upon the current achievements. This report integrates the initial strategy, the activities implemented, and the outcomes achieved to provide a clear overview of the DEC strategy's progress and the reasons behind its success. The report highlights that the core of this success lies in the effective coordination among the project coordinator, WP8 task leaders, contributors, and the active participation of all partners. From the outset, this collaborative approach has enhanced the strategy's impact and fostered a strong community through digital channels. The report also identifies key drivers of communication and dissemination success, including the production of high-quality content that accurately reflects the project's advancements, proactive engagement in major industry events, and a strategic emphasis on clustering activities with significant EU projects and initiatives. This report will be **updated in D8.5 Report on communication & dissemination activities, interactions with BRIDGE and AB - 2 (ZAB, M48)**.



2. Introduction

BeFlexible is an EU-funded project focused on increasing energy system flexibility, enhancing cooperation among DSOs and TSOs, and encouraging stakeholder participation. This will be achieved through twelve pilots in Italy, Sweden, Spain, and France, validating and demonstrating cross-sectoral services and interoperable smart grid platforms. The project will also develop existing solutions and create a system architecture framework for new business models that better meet consumer needs.

Effective **communication and dissemination** are crucial to the success of BeFlexible. By sharing progress, results, and insights with stakeholders and the broader public, the project aims to build awareness and understanding of its objectives and outcomes. To achieve these goals, the Dissemination, Communication and Exploitation Plan (D8.1) was created. This plan defines the objectives and target audiences, and it outlines the tools, messages, and tactics to reach these goals and stakeholders, along with an operational plan for all project activities, providing a four-year timeline for implementation. Additionally, the plan describes how actions will be evaluated to ensure the quality of all activities

Since the start of the project and throughout its progression, the DEC strategy continually adapts to meet evolving needs and opportunities of the BeFlexible project.

Zabala Innovation, as WP8 leader, is responsible for the DEC strategy, together with E.DSO, leading the Dissemination Strategy (T8.1), and i-DE, in charge of the interaction with the Advisory Board (Task 8.6). Moreover, all partners actively participate in the DEC strategies, by involving complementary research and communication departments to increase the impact of the project.



3. Implementation of the Dissemination strategy

3.1. Goals, tools and procedures set in D8.1

The dissemination strategy for the BeFlexible project, defined and implemented within Task 8.1, has set the following specific goals:

1. To raise awareness about the importance of new smart grids and flexibility solutions for the future of the energy system.
2. To promote an understanding about the tools that are being developed.
3. To reach and inform the stakeholders of the project, especially the ones in the demonstration areas, while the project is being developed.
4. To ensure a broad visibility of the project.
5. To contribute to the creation of synergies between H2020 and HE supported actions.
6. To promote the exploitation of the solutions that are being developed.

According to the dissemination strategy, different groups of project partners have different targets for the dissemination of project results:

Partners	Dissemination targets
Large Industry: i-DE, ENEL, EDE, EDI, GDS, TERNA, ARETI, E.ON, EONEIS, SAP, SCHN, ZAB	Great capacity to impact the Energy Sector, namely other TSOs and DSOs across Europe, and related industry-sectors. Dissemination efforts will be focused on identifying and engaging potential users, consumers and stakeholders interested in exploiting products generated.
SMEs & ICT: ENG, STEMY, TV, SOUL, SIN, TLX	Attract new clients and reinforce the loyalty of customer portfolio through the new competitive high-tech optimisations for their current products/services. SMEs will make available to BeFlexible, their existing networks as well as the involvement of their marketing & communication departments.
Associations: E.DSO	Engage their network contacts and support partners to maximise their dissemination impact by using their wide partners network, benefiting from their experience and expertise in meetings, workshops and conferences to establish contact and bound relations with the different target groups of the wide range of themes of BeFlexible.
R&D/Universities: INESC TEC, RSE, RWTH, COMI, ENG	Engaging the EU scientific and industrial communities to raise awareness about the project and contribute to knowledge generation. Generating new research lines and training programmes (for MSc and PhD students) aligned with the key pillars established in HE and previously in H2020. Bridging the gap between science and practice by organising targeted stakeholder workshops and involving users to facilitate public acceptance. Interactions with institutions, at national / local level.

Table 1: Dissemination targets per type of project partners

The three main dissemination channels were identified as 1) participation in events and trade fairs; 2) scientific publications and conference contributions; and 3) joint public-private papers. The following



sections briefly present the activities and achievements in these 3 areas, the progress towards the fulfilment of dissemination KPIs set in the strategy and the activities planned for the near future.

3.2. Activities and achievements

3.2.1. Events participation

A tool for tracking events and other dissemination opportunities was set up. E.DSO and Zabala, as the two main partners involved in the dissemination task, are continuously updating the tool with the collaboration of the consortium and pursuing the identified opportunities.

So far, the project has participated in high-level events with a reach across EU countries. These events included among others the European Sustainable Energy Week 2024, ENLIT 2022 and 23, and the BRIDGE general assembly (see section 0 for more information).

Event name	Type of event	Target audience	Description
Presentation in EPFL Energy Workshop	Education and training events	National authorities, innovators, educative community	INESC TEC presentation, titled “The challenges of local energy and flexibility markets: more information and simplicity”.
Smart Energy Congress	Fair	Industry	#SEC2022Madrid is the annual conference in which various stakeholders share their vision and discuss trends, challenges and opportunities to improve energy efficiency and competitiveness
Iberdrola Innovation Week	Conference	Industry, National Authorities	The first edition of this week dedicated to sharing the most advanced R&D&i projects.
ENLIT Europe 2022 (Frankfurt)	Fair	Industry, EU institutions, policy makers	The EU project leaders and coordinators met Frankfurt to discuss successes and lessons learnt. Representatives from the EU Commission and associations also joined, BeFlexible was presented as a new BRIDGE project.
BRIDGE General Assembly 2023	Meeting	Industry, EU institutions	BeFlexible project participated as part of the BRIDGE Initiative, onsite represented by the University of Comillas and Zabala Innovation, and online participation in each of the working groups.
Smart Grids Innova Valencia 2023	Conference	Industry, Research, National Authorities	The Smart Grids INNOVA Valencia 2023 event showcased cutting-edge R&D&i projects related to electrical grids. One of the highlighted presentations was BeFlexible.
Plantone project final event	Collaboration with EU funded projects.	Industry, Research Communities	The conference focused on Digitalizing DSOs to unlock flexibility. BeFlexible was showcased as an example of the ongoing journey beyond Platone.

ENLIT Europe 2023 (Paris)	Fair	Industry, EU institutions, policy makers	A joint session was organized by BeFlexible, titled “Unlocking Flexibility Markets: Are Customers Ready to Embrace Innovation?”. See section 6.1 for more information.
Beyond energy: humanities in energy business	Conference	Industry	A reflection that goes beyond typical energy topics such as renewables or electric vehicles. We delve into topics like time, biology or language to understand our relationship with energy in a wider perspective.
EUSEW 2024	Conference	Industry, EU institutions, policy makers	A joint session was organized by Beflexible at the 2024 edition of the European Sustainable Energy Week, titled “What about flexibility? How customers can improve power systems”. See sections 4.2.4 and 6.1 for more information.

Table 2: Events in which the BeFlexible project has participated.

3.2.2. Scientific publications

An internal process for approval and tracking of research publications related to BeFlexible was set up. A BeFlexible project community was set up on the Zenodo webpage, to collect all open-access outputs from the project. The Community is accessible [here](#). These publications are also listed in the tables below, together with link to the Zenodo repository – the conference contributions in Table 4 and the scientific papers in Table 5.

The project partners are progressing toward fulfilment of the dissemination targets set for the number of publications and other reports – the concrete numbers are presented in the next section (monitoring of KPI fulfilment).

3.3. KPI progress monitoring

The overview of the progress towards fulfilling the project dissemination KPIs is provided below, followed by tables with a concrete overview of the publications. The rate of fulfilment of the KPIs show that the consortium is well on track with publishing journal publications, and there is a good progress towards the goal set for events and fairs participation. The consortium members will be encouraged to prepare more conference contributions, which should be also easier now when the work in the project has advanced significantly.

KPI	Target partner	Target	Done so far*	% of target fulfilled
1 conference contribution/year on average. Conference contribution includes peer-reviewed and non peer-reviewed conferences (e.g. internal seminars at partners premises, master class in a universities or events).	Large Industry partners	4	1	25%

20 conference contributions during the project. Conference contribution includes peer-reviewed and non-peer-reviewed conferences (e.g. internal seminars at different partners premises, master class in a universities or events)	R&D institutions	20	6	30%
12 journal publications (papers in peer-reviewed journals) during the project	R&D institutions	12	7	58%
10 papers (working papers, papers in outreach channels like The Conversation) during the project	R&D institutions	10	1	10%
The project consortium should participate on 6 Events and 3 fairs per year on average	Whole consortium	24 events	7	29%
		12 fairs	3	25%

Table 3: Overview of project dissemination KPIs fulfilment (*including upcoming publications).

#	Title	Date of publication	Responsible partner	Open access?
1	Analysis of Flexibility-centric Energy and Cross-sector Business Models	6/2023	INESC TEC	Yes
2	Regulatory learnings from EU funded flexibility projects. the i-DE case: preparing the future DSO	6/2023	i-DE*; Comillas	Yes
3	Enticing residential consumers to become electricity flexibility providers	10/2023	Comillas	Yes
4	Beyond energy: the power of humanities in energy business transformation	12/2023	Soulsight	
5	Building Flexibility Bidding Curves for Energy Communities	6/2024	INESC TEC	Yes
6	GDBN, a Customer-centric Digital Platform to Support the Value Chain of Flexibility Provision	6/2024	INESC TEC	Yes
7	Review of commercial flexibility products and market platforms	6/2024	INESC TEC	Yes

Table 4: Conference contributions(R&D institutions & industry partners - marked with *).

Please note that the third item, the debate with title “Beyond energy: the power of humanities in energy business transformation”, is not marked as open access as there is no recording of the event, but Soulsight has also produced a paper that is linked below in the “Papers” table.

#	Title	Date of publication	Responsible partner	Open access?
1	Regulatory Challenges for Energy Infrastructure—Do Electricity Distribution Remuneration Schemes in Europe Promote the Use of Flexibility from Connected Users?	6/2023	Comillas	Yes
2	Integrating flexibility and energy local markets with wholesale balancing responsibilities in the context of renewable energy communities	11/2023	INESC TEC	Yes
3	Baseline methods for distributed flexibility in power systems considering resource, market, and product characteristics	2/2024	Comillas	Yes

4	Submetering: challenges and opportunities for its application to flexibility services	5/2024	Comillas	Yes
5	Unlocking Flexibility from Third-Party Resources: Decoding the Interaction between Mechanisms for Acquiring Distribution System Operator Services	6/2024	Comillas	Yes
6	Empowering Energy Markets: Unravelling the Dynamics of Aggregators' Relationships in Demand Response Services	Upcoming	Comillas	
7	Schemes for Flexibility Provision Among Consumers: Motives and Barriers to Engage in Embedded Flexibility	Upcoming	Comillas	

Table 5: Published and upcoming journal articles.

Note on the open access: although not all papers were originally published in open access journals, they were subsequently made available on the Zenodo platform. This is also the plan for all future publications. Therefore, all papers are also marked as open access in the table above (and the provided link directs to the Zenodo database).

#	Title	Date of publication	Responsible partner	Open access?
1	Beyond energy: the power of humanities in energy business transformation	2/2024	Soulsight	Yes

Table 6: Published papers.

4. Implementation of the Communication strategy

4.1. Goals, tools and procedures set in D8.1

The communication strategy, implemented within Task 8.2, has been essential in enhancing BeFlexible’s visibility and engagement since the project’s launch. This strategy articulates communication efforts in both **offline and online platforms** that aim to create awareness by presenting the project to the main communities and stakeholders of the electricity grid ecosystem (DSOs, regulators, aggregators, market players, TSOs, etc.). Following the guidelines and activities established in D8.1, various communication channels and tools have been utilized to engage targeted audiences effectively. These actions are described below.

4.2. Activities and achievements

4.2.1. The BeFlexible brand

The development of **the BeFlexible brand has ensured a cohesive representation of the project** across various channels. The [brand identity guidelines](#) of the project, encompassing **the official logos, colours, fonts** and visual recommendations, have been implemented rigorously across project communication channels (like the website and social media channels), internal documents (through the Word and PowerPoint templates), tools and materials (see section 4.2.3), solidifying a unified brand presence.

The logo and visual elements have been adapted in various to suit their placement on different platforms and materials. This ensures consistent branding across digital and print channels.

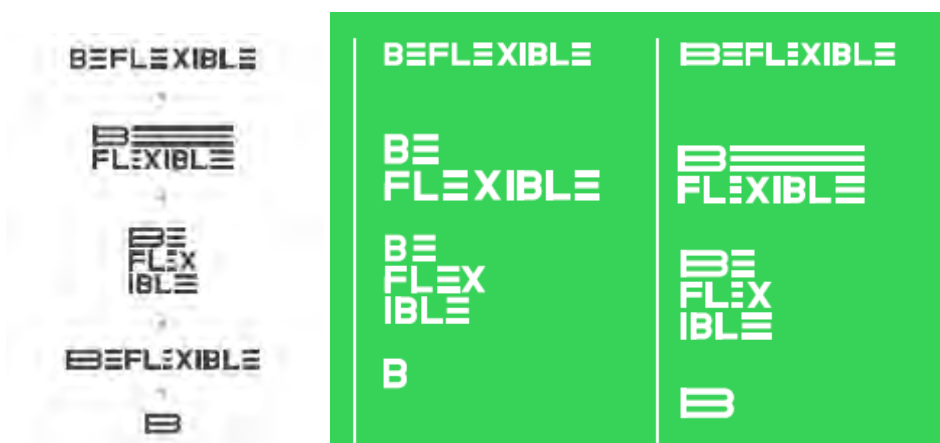


Figure 1: The BeFlexible logo in its different forms and versions.



Figure 2: Brand identity guidelines include instructions regarding typography and colour usage.

4.2.2. Digital Marketing Strategy

4.2.2.1. Website

The launch of [the BeFlexible website](#) in month 3 marked a significant milestone as it represents the main hub where all stakeholders can find all the information about the project.

The key to attracting traffic and engaging the audience is regular content updates and providing up-to-date information. This has resulted in the **publication of 20 articles** on the website, covering project developments, expert insights, consortium meetings, participation in relevant events, clustering activities and announcements. It is worth highlighting the **series of collaboratively authored expert articles**, which showcase the collective brilliance behind BeFlexible and disseminate significant updates. Adhering to a content calendar, we showcase the consortium's expertise monthly through expert articles written by various partners. These articles are enriched with graphic resources to enhance clarity and attractiveness, and visual materials to support their promotion. Here is a list of the expert articles published so far:

- [‘The way towards BeFlexible: I-DEs role’](#), authored by i-DE.
- [‘Why do small-load providers want to provide flexibility?’](#), authored by Soulsight and IIT-Universidad Pontificia Comillas.
- [‘Improving flexibility markets and prosumers engagement’](#), authored by RSE.
- [‘Flexibility characterization, customer engagement strategy and implementation for power flexibility users’](#), authored by Iberdrola.
- [‘Enhancing customer engagement in energy flexibility programs’](#), authored by Smart Innovation Norway.
- [‘BeFlexible use cases and requirements’](#), authored by INESC TEC.
- [‘Enabling a flexible future: new roles, market mechanisms and regulatory frameworks for the energy sector’](#), authored by Universidad Pontificia de Comillas.
- [‘Design and support of a flexibility-centric energy and cross-sector value chain’](#), authored by INESC TEC.



Figure 3: Examples of articles featured on the website.

Other than the 'News' section, other parts of the website under regular update are:

- The **'Events'** site serves as a centralized platform, providing brief descriptions of conferences, workshops, webinars, or forums attended/organized by the consortium, enhancing accessibility to project-related activities.
- The **'Deliverables & Publications'** section is regularly updated with the most recent deliverables, publications, and other relevant materials.
- The **'Media Corner'** features brand identity elements, communication materials available for download, and the latest press releases.

Another key aspect of the web strategy is the **link building strategy**: the establishment of links in other webs and platforms to amplify the project's digital footprint. Some examples are:

- Articles outlining the cluster established with BeFlexible's sister projects: ['BeFlexible, Stream, and Enflate: Shaping the future of energy together'](#)
- [Presentation of BeFlexible on BRIDGE initiative brochure 2023.](#)
- Promotion of BeFlexible web on the partners' official webs: Zabala Innovation ([Europe](#) and [Spain](#)), [E.DSO](#), [INESCTEC](#), [e-distribución](#) and [i-DE](#).
- Link to the social media channels of the project on the website and vice versa.

Detailed information about the website strategy and technical features can be found in deliverable **D8.3 BeFlexible's website**, submitted in M3.

Website analytics:

Since its launch in month 3, the website has reached **11.953 views** and **4.395 users**.

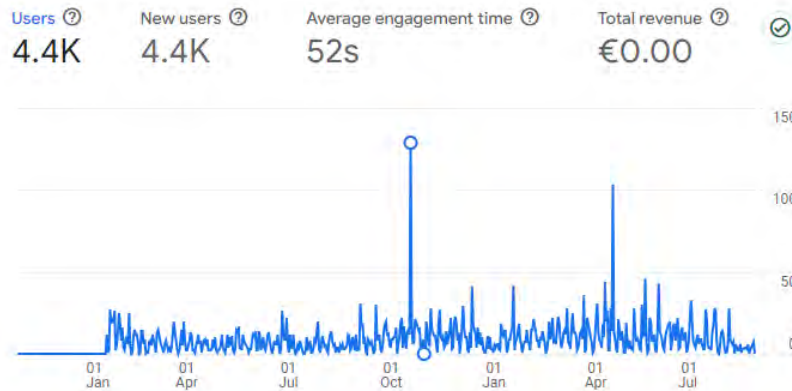


Figure 4: BeFlexible website global traffic evolution.



Figure 5: BeFlexible website page views evolution.

Where does BeFlexible web traffic come from?

1. The first source of traffic is **Direct**, which refers to visitors arriving without being referred by another site (for example, typing the URL into their browser). High direct traffic indicates intentional visits; users are seeking out the BeFlexible website.
2. **Organic search** refers to users who found the website after clicking on the link on the search engine results page - not including paid ads.
3. **Organic social** refers to visitors who arrive through unpaid social media posts. This traffic reflects the effectiveness of the social media strategy.
4. **Referral** includes users who found the website from a link on another website. This shows the importance of link building, mentioned above.
5. **Unassigned** refers to all other traffic or data that is undefined or data that is not tracked by Google due to a user's privacy settings.

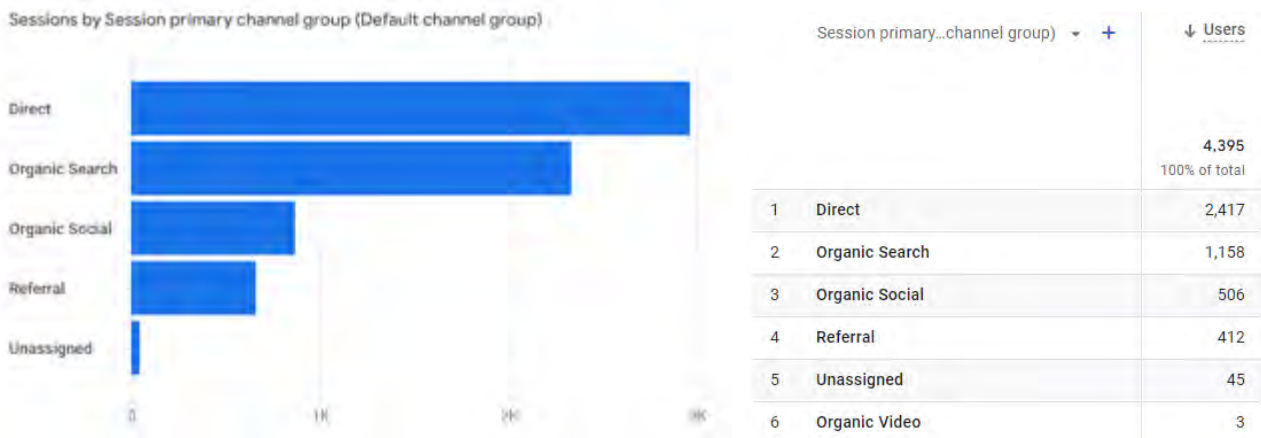


Figure 6: BeFlexible website traffic acquisition.

Which are the most visited pages?

Regarding the most visited pages, analytics show that most people reach the [home page](#) of the project, which boasts over 4,500 views. This is indicative of its role as a pivotal entry point, where visitors can find key project information such as its definition, objectives, and conceptual framework, and then navigate to areas of specific interest. Following this, pages detailing information about [the pilots](#) and [the consortium](#) are the next most visited. The prominence of the [“Deliverables & publications”](#) section in the fourth position can be attributed to the visibility generated by expert articles, which attract considerable traffic to this area.

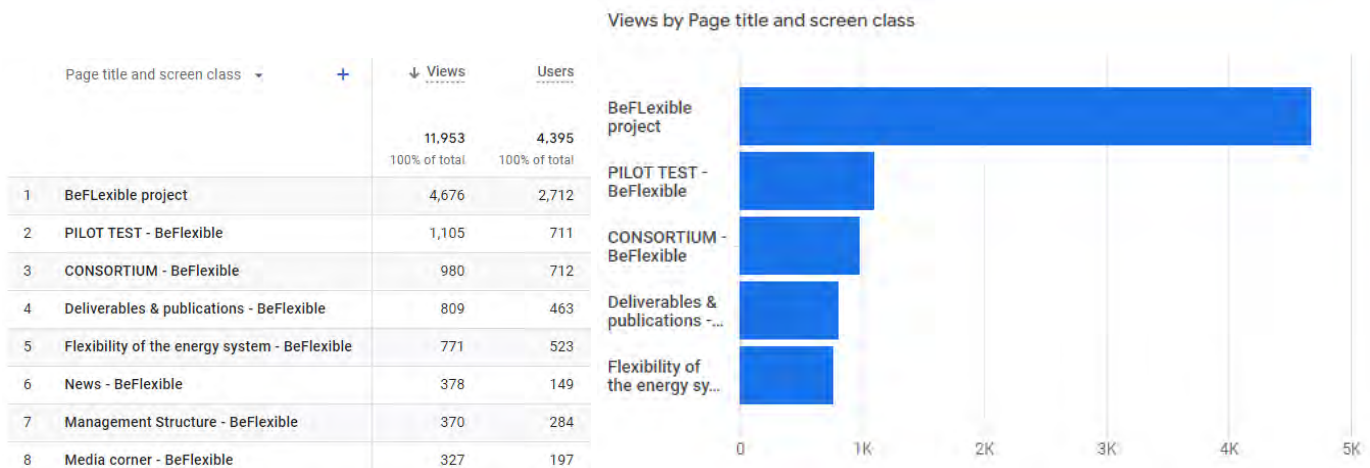


Figure 7: BeFlexible website most visited pages.

What do we know about the web users?



Figure 8: BeFlexible web users attributes.

4.2.2.2. Social media

BeFlexible maintains an active presence on [X](#), [LinkedIn](#), and [YouTube](#). The project’s social media presence has garnered significant attention, with regular updates maintaining audience interest and engagement. These channels have been used to spread BeFlexible’s messages and build a strong community around the project. As defined in D8.1, the objectives of the project’s social media channels have included:

1. **Increase the visibility of the project and impact of the results**, enhancing its visibility and communicate its impactful outcomes through appealing content.

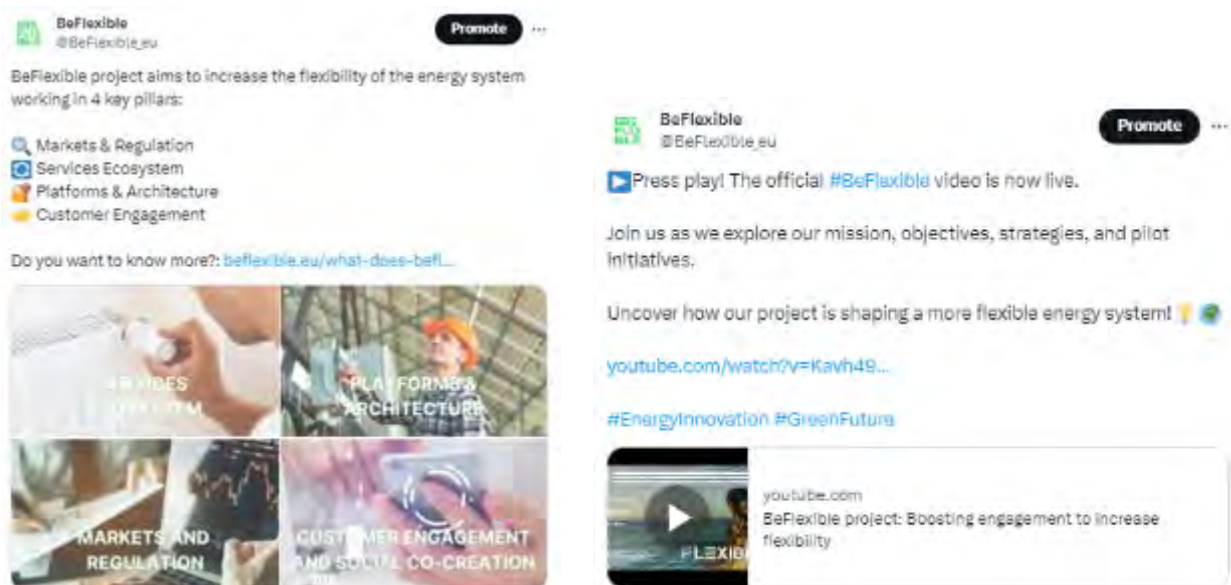


Figure 9: X post examples.

2. **Promote events and news.** Social media is crucial for showcasing BeFlexible's participation in major energy sector events and inviting audience engagement. They play a key role in encouraging

participation in organizing activities, serving as vital tools for fostering community interaction and attracting attention.

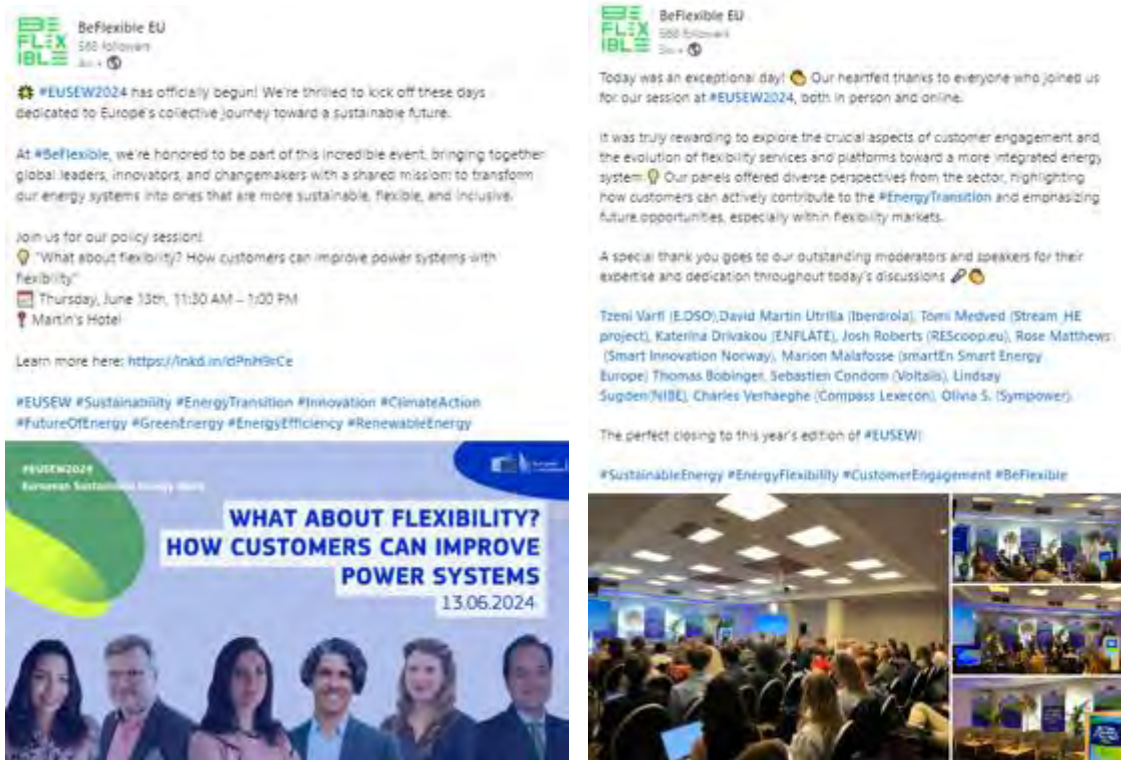


Figure 10: LinkedIn posts showcasing BeFlexible's participation in EUSEW 2024.

3. **Direct traffic to the website.** Through engaging content, compelling calls-to-action (CTAs), and consistent inclusion of the website link, followers are encouraged to visit the BeFlexible website for more information.
4. **Build a community.** Connections and interactions among stakeholders are fostered to create an active community centered on BeFlexible's activities.

The BeFlexible community on social media is **solid and engaged**, mainly on LinkedIn, and this contributes to the project's visibility. The **active participation** of the BeFlexible community has facilitated dissemination and fostered collaborations. The partner's organisations are tagged in the posts to encourage interaction and collaborate by interacting and posting about the project, which helps to reach new audiences and generate conversations.

Moreover, the hashtag **#BeFlexible** is usually used to store information about the project. The project account also takes part in other hashtags related to the latest news in the sector or relevant international days. For example:



Figure 11: Social media posts related to relevant international days, including their hashtag.

As evident in all the examples provided, our social media posts are consistently accompanied by **specially created visual resources**. These visuals are designed to enhance the posts' visual appeal, making the content more dynamic and engaging. Additionally, this approach supports clearer communication of our messages and better captures the audience's attention. Importantly, all visual materials are carefully aligned with the BeFlexible brand's visual identity, ensuring a cohesive and professional presentation across all platforms.

LinkedIn¹

LinkedIn shines as the cornerstone of the BeFlexible social media presence. [The project's LinkedIn page](#) establishes a public image on a global professional level, presenting the project as a reputable and reliable initiative. It plays a pivotal role in **building the BeFlexible community**, encompassing both partners and external interested audiences. The LinkedIn page serves as a hub for updates, announcements of new events and clustering activities, and other pertinent information. Most importantly, it fosters audience engagement through interactions and comments, allowing for support and inquiries for more information.

BeFlexible's presence on LinkedIn has reached a community of **587 followers** as of August 2024. Follower growth peaked during key milestones like the launch of the website or the participation in relevant events like ENLIT (December 2023) or the EUSEW (June 2024).

¹ The LinkedIn data reflect the period from June 2023 to July 2024. This timeframe represents the maximum range accessible on the platform, which does not allow viewing data beyond one year.

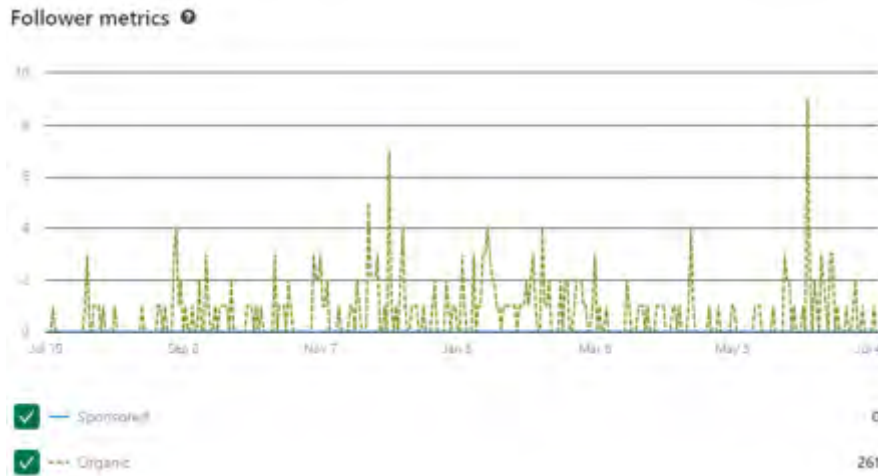


Figure 12: LinkedIn followers metrics.

A key indicator in social media channels is the **engagement rate**, calculated as (clicks + likes+ comments+ shares)/ Impressions. According to [Socialinsider](#), an engagement rate of around or above 3% is considered good for LinkedIn in 2024. As shown in the graphic below, the BeFlexible exceeds this benchmark, reaching up to 12.4% in November 2023.

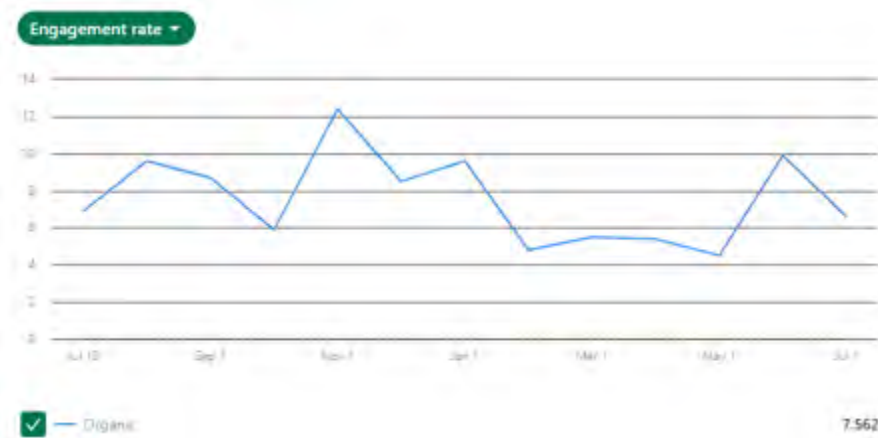


Figure 13: LinkedIn followers metrics.

All content on BeFlexible’s LinkedIn page has been **organic**, meaning it has not been promoted. The following posts have achieved the highest performance in terms of **impressions** to date:



Figure 14: Top-performing LinkedIn post.

X (former Twitter)

X serves as a crucial tool for raising awareness about the project, announcing future events, keeping in touch with partners and stakeholders, creating specific hashtags, making relations with EU initiatives, and directing traffic to our website.

[BeFlexible's presence on X](#) has grown effectively, with a community of **120 followers** and a total of **146 posts** shared as of August 2024.

*Due to recent changes implemented on the platform, some metrics are no longer accessible, affecting our ability to fully analyse our outreach and engagement performance.

YouTube

[BeFlexible's YouTube profile](#) serves as a comprehensive repository for multimedia materials. Thus far, it has been used to share all the project's presentation video. Moving forward, it will also host other video content, including webinar recordings, videos about the pilots, and more.

4.2.3. Supporting Communication Materials

Communication support materials have been developed to strengthen the visual impact of the project. These materials are particularly useful to offer information to stakeholders visually and to make the project easy to understand.

The produced materials are shared online through the website and the social media channels for the promotion of the project but will also be useful tools for the partners' participation in events or conferences.

The BeFlexible communication materials created in the two first years of the project include:

- **Video presenting the project:** an animation video of 3:47 mins uploaded to YouTube on the 13 December 2023 (191 views as of August 2024).
- **Rollup:** an infographic to be printed and used by the partners at events and other dissemination opportunities.



Figure 15: BeFlexible roll-up.

- **Flyer:** a 4-page leaflet to present the main ideas of the project.



Figure 16: BeFlexible flyer.

4.2.4. Promotion of project participation in events

As detailed in section 3.2.1, the BeFlexible project has actively participated in various events such as international conferences, congresses, workshops, exhibitions, and fairs, as outlined in D8.1. BeFlexible has already participated in the events listed in Table 2 and is preparing to represent the project at upcoming events scheduled for the next few months, identified in the event tracking mentioned in section 3.2.1.

For each event, especially those strategically significant, a specific communication campaign is designed. This includes promotion through social media and the project's website prior to the event, active engagement during the event, and the creation of recap materials afterward to maximize impact. A specific example of such campaigns is the one implemented for EUSEW 2024. Beyond merely organizing the application and sessions (see section 6.1), BeFlexible was the leader in promoting the panel. To achieve this, the following materials were developed:

- [Promotional web post](#)
- Social media campaign for session visibility and audience attraction (see figure 10).
- Creation of visual materials for promotion
- Onsite social media coverage
- Follow-up interactions and posts on social media
- [Recap web post](#) (see figure 17).



Insights from EUSEW 2024: embracing energy flexibility in Europe's transition with customers at the core

One more year, the European Sustainable Energy Week was held in Brussels from June 11th to 13th, gathering over 2,000 participants in sessions and speaking booths. The event fostered vibrant discussions on innovative solutions, regulatory frameworks, and the latest advancements and challenges in sustainable energy.

The BeFlexible project was delighted to be part of the program, hosting the session titled "What about flexibility? How customers can improve power systems." Across two panels, participants explored how adopting customer-centric approaches can greatly advance Europe's energy flexibility and support its broader transition efforts, while also discussing the potential and challenges of integrating this customer-driven flexibility.

BeFlexible extends sincere thanks to all participants for their active involvement, collaborative spirit, and commitment to innovation. Gratitude is also extended to everyone who joined the #EUSEW2024 session, both in person and online, and engaged with their questions, enriching the dialogue.

Watch the full video of the session here

Figure 17: Web post featuring a recap of key insights from participation in EUSEW 2024.

4.2.5. Media relations

Collaboration with media outlets, facilitated by the creation of press releases aligned with project milestones, has yielded substantial impacts across specialized and general outlets.

So far, BeFlexible has issued **two press releases**: one marking the project's launch in September 2022, and another following the General Assembly meeting in December 2023. These press releases leverage these milestones to showcase the project, highlight its innovative features, and share the latest advancements.

The project has secured **23 media impacts**, ranging from local to international platforms, further amplifying project visibility and reach. See the full media clipping in Annex 9.1.

Media	Link	Date	Country
ELEXIA project website	https://www.elexia-project.eu/energy-nexus-cluster	-	Europe
Energy Nexus Cluster web	https://glocalflex.eu/energy-nexus/	-	Europe
i-DE website	https://www.i-de.es/i-de-grupo-iberdrola/conocenos/proyectos-innovacion-digitalizacion#:~:text=OneNet-,BeFlexible,-EI%20proyecto%20BeFlexible	-	Spain
Iberdrola website	https://www.iberdrola.com/conocenos/nuestra-actividad/smart-grids/be-flexible	-	Spain
Zabala's Spanish website	https://www.zabala.es/opiniones/enlit-europe-y-mercados-de-la-energia/	22/12/2023	Spain
Zabala's EU website	https://www.zabala.eu/opinions/enlit-europe-and-energy-markets/	22/12/2023	Europe

Media	Link	Date	Country
El Periódico de la Energía	https://elperiodicodelaenergia.com/beflexible-proyecto-capitanea-iberdrola-dotar-sistema-electrico-europeo-mayor-flexibilidad/	21/11/2023	Spain
INESCTEC's website	https://www.inesctec.pt/en/news/portuguese-institute-part-of-project-to-improve-the-flexibility-of-the-european-energy-system#about	06/12/2022	Europe
Smart Grids Info	https://www.smartgridsinfo.es/2022/11/16/arranca-proyecto-europeo-beflexible-aumentar-flexibilidad-sistema-energetico	16/11/2022	Spain
EDSO's website	https://www.edsoforsmartgrids.eu/eu-projects/beflexible?highlight=WyjZsZXhpYmxlllO=	-	Europe
e-distribución's website	https://www.edistribucion.com/es/innovacion-nuevas-tecnologias/be-flexible-.html	10/11/2022	Spain
PV Magazine	https://www.pv-magazine.es/2022/11/10/10-millones-de-financiacion-para-el-proyecto-europeo-que-coordina-iberdrola-para-aumentar-la-flexibilidad-del-sistema/	10/11/2022	Europe
REVE	https://www.evwind.com/2022/11/09/luz-verde-al-proyecto-europeo-beflexible-que-aumentara-la-flexibilidad-del-sistema-energetico-%EF%BF%BC/	10/11/2022	Spain
El Periódico de la Energía	https://elperiodicodelaenergia.com/bruselas-financia-proyecto-mejorar-flexibilidad-sistema-electrico/	09/11/2022	Spain
La Vanguardia	https://www.lavanguardia.com/economia/20221109/8599994/bruselas-financia-10-millones-proyecto-mejorar-flexibilidad-sistema-electrico.html	09/11/2022	Spain
Servimedia	https://www.servimedia.es/noticias/bruselas-financia-10-millones-proyecto-para-mejorar-flexibilidad-sistema-electrico/3484991	09/11/2022	Spain
Europa Press	https://www.europapress.es/economia/noticia-bruselas-financia-10-millones-proyecto-mejorar-flexibilidad-sistema-electrico-20221109140144.html	09/11/2022	Spain
Zabala's Spanish website	https://www.zabala.es/proyectos/beflexible/	07/11/2022	Spain
Zabala's EU website	https://www.zabala.eu/news/beflexible-project-flexibility-energy/	07/11/2022	Europe
Zabala's Spanish website	https://www.zabala.es/noticias/beflexible-proyecto-flexibilidad-energia/	07/11/2022	Spain
Zabala's EU website	https://www.zabala.eu/projects/beflexible/	07/11/2022	Europe
CORDIS	https://cordis.europa.eu/project/id/101075438/es	06/09/2022	Spain
CORDIS	https://cordis.europa.eu/project/id/101075438	06/09/2022	Europe

Table 7: BeFlexible impacts in the media.

4.3. Future activities

The maintenance and enhancement of the established communication channels and tools will continue throughout all the project lifecycles. Best practices identified in the first two years of the project will be implemented, with continuous monitoring and improvements sought.

The BeFlexible **website**'s performance will be continuously monitored and updated as necessary. Due to the success of the expert articles, these will be regularly published along with articles related to project milestones, such as participation in events, consortium meetings, pilots, and recognitions obtained.

Social media efforts will be sustained with specific campaigns aligned with project advancements. For example, a campaign to promote the MOOCs developed under Task 8.4 is scheduled for launch in September 2024 to maximize impact. This campaign is a collaborative effort between Zabala and the Pontifical University of Comillas.

Active **engagement with the media** will be maintained, particularly around project milestones. **Participation in events** will continue, with a significant upcoming event being ENLIT 2024. Event opportunities will be continuously monitored, as detailed in Section 3.



5. Exploitation strategy and IPR

5.1. Goals, tools and procedures set in D8.1

The aim of the Exploitation strategy and IPR, defined and implemented within Task 8.3, is to ensure the successful exploitation of BeFlexible project's results by identifying and addressing critical issues regarding the business ideas and its commercialization potential. This task involves systematically identifying and implementing strategies to manage and protect intellectual property arising from the project. Additionally, it requires continuously reviewing and updating the key project results. Besides, another crucial aspect is the development of business models that outline the pathways for commercialization and utilization of the project results throughout the design of comprehensive exploitation plans to guide the effective implementation of these outcomes.

5.1.1. Methodology and steps

To achieve these objectives, a structured methodology has been adopted, as outlined in D8.1. This methodology includes up to seven steps to follow throughout the project lifetime.

A more detailed description of the methodology presented in D8.1 is given below.

- **Distribution of questionnaires:** A series of questionnaires designed by ZABALA have been distributed to all partners. These questionnaires aim at tracking the progress of project results. The purpose is to receive feedback and data from project partners regarding the outcomes achieved, its potential applications, and exploitation strategies.
- **Data analysis and synthesis:** This involves qualitative and quantitative analysis techniques to synthesize the feedback into actionable insights. The purpose is to analyze the data collected from the questionnaires to identify key insights and trends that will configurate the subsequent steps.
- **Workshop and collaborative session:** Conducting comprehensive workshop and interactive collaborative sessions to ensure all project partners are aligned. This session will provide an opportunity for team members to share their insights, address any concerns, and work together to develop cohesive strategies.

5.1.2. Expected outcomes

By following this structured approach, task 8.3 aims to deliver the following outcomes during the period M1-M24:

- **Step 1 - Definition of IP management plan:** A coherent IP strategy that protects the project's innovations and facilitates their commercialization.
- **Step 2 - Identification of Key Results:** A questionnaire has been distributed to detect changes in the initial results table and to gather information on business ideas. This activity involves collecting and analyzing responses to identify significant updates and adjustments to the key project results. By

systematically reviewing the feedback, we can ensure that all changes are accurately documented and reflected in the project's progress.

5.2. Activities and achievements

This section provides an overview of the key activities and achievements from months 1 to 24. At this stage, in accordance with the project schedule (figure 18), the first two steps have been completed as stated above.

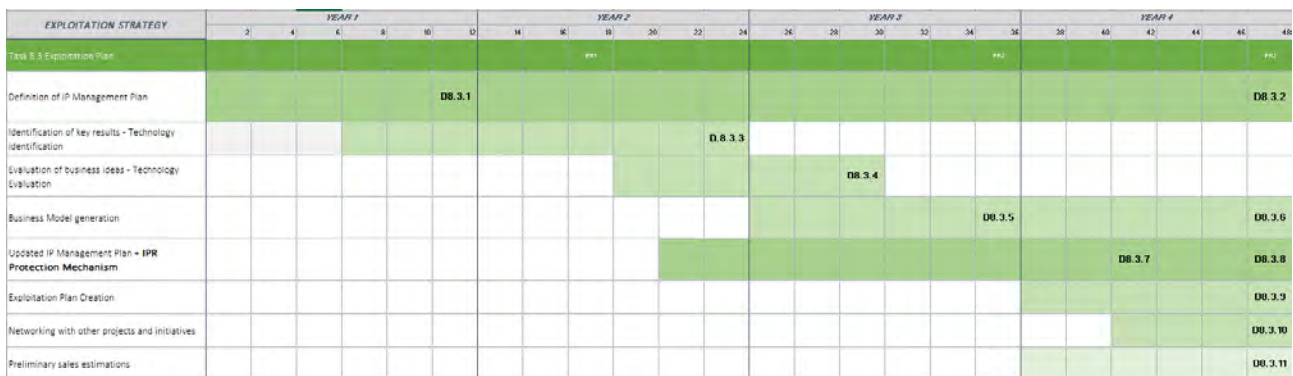


Figure 18: Task 8.3 Gantt chart.

During the period M1-M24, considerable progress has been made in defining the IP management plan, identifying and evaluating key technological results, and engaging with project partners. These activities have laid a solid foundation for the next phase of the project, which involves the evaluation and refinement of business ideas to ensure their commercial viability and strategic alignment with project objectives.

The following is a detailed breakdown of the results achieved in the first two steps:

- **Step 1 - Definition of the IP Management Plan:**

This step has consisted of identifying all potential intellectual property generated by the project and outlining strategies for its protection and management. A questionnaire was distributed to gather input from project partners on existing and potential IP assets.

As outline in D8.1 during the first 12 months of BeFlexible project, the partners have started implementing the main steps of the IP management strategy. The starting point has been the IP strategies defined per each project partner in terms of background and foreground identified. This information was included in the Grant Agreement (Impact Section) and Consortium Agreement (CA).

The present document provides an overview of the conclusion from the IPR questionnaire. Although significant activity is not anticipated in this area at the moment, it is expected that once these results reach technological maturity, it will become easier to explore the most effective methods for preserving the ownership of the generated knowledge.

In addition, new exploitable results could be identified and analyzed as result of implementing the technical WPs. All these outputs will be gathered and updated in the IP Management Plan. The final version of this document will be included in D8.3, that will be delivered in Month 48.

At the moment, the main conclusions are as follows:

- Procedures for registering patents or utility models within the framework of the project have not yet been initiated according to the answers collected to question 1.
- According to the answers to question 3, no partners foreseen to start the preparation process to register a patent or utility model in the framework of the BeFlexible project.
- Regarding an alternative protection model, out of 6 partners has identify the following possibilities:

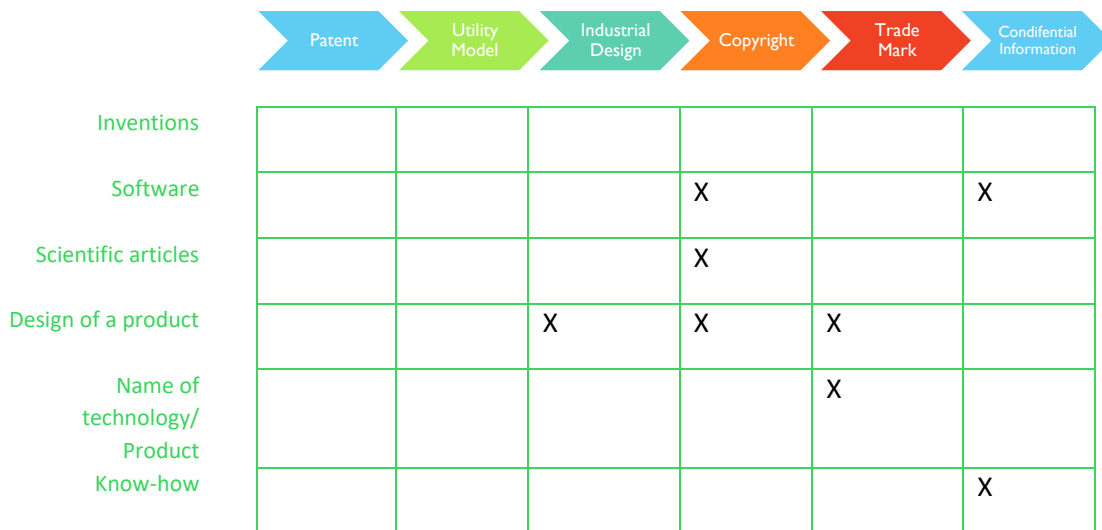


Figure 19: IPR protection strategy.

- According to the answers provided under question 6 no conflicts with existing patents have been identified.
- Currently, the results of up to two partners involve the compliance of standards both at national and global level. The standards have been identified as follows:
 - IEC 61970
 - IEC 61968
 - IEC 60870-6/TASE
 - IEEE 2030.5-2018
 - EN IEC 62053-21:2021/A11:2021
- Based on the questionnaire and the responses received, out of three partners has identified the need to create new standards/regulations not available currently.
- The questionnaire indicates that 1 partner have expressed their capacity to participate in the creation process. Besides this, two partners have share that their company does not participate in this type of tasks.

- **Step 2 - Identification of Key Results – Technology Evaluation:** The procedure has consisted of the following 3 steps:

1) **Gathering information of identified key results:** A comprehensive questionnaire has been distributed to gather relevant information from project partners business ideas. This data is essential for the iterative refinement of the project results.

The questionnaire responses will serve as insights for updating the project results. This data-driven approach will enable us to assess the full potential of each project result for commercial exploitation during the step 3 by systematically analyzing strengths, market opportunities, stakeholder engagement strategies, and risk factors (more details in section 5.4).

The questionnaire is structured in different areas aimed at comprehensively assessing the strategic components of the identified project results. Below, we will explore each of these areas and partners responses in more detail:

- **Strength of the business idea:** The questionnaire aims to gather detailed descriptions of the business opportunities or challenges addressed by each project result. This will facilitate a comprehensive understanding of the distinct advantages and customer benefits associated with each solution. Comparative analysis against competitors will enable us to strategically position the BeFlexible’s project results in the market and develop effective differentiation strategies. Insights into revenue drivers and the expected time to market will guide prioritization efforts aimed at achieving maximum impact and sustained commercial success.
- **Target market and customer-related issues:** Through the questionnaire, we seek to delineate target market segments for each project result. The rationale behind targeting specific markets, such as their growth potential or emerging demand, will guide our strategies for market entry and expansion. Assessing barriers to entry and strategies to strength market position against potential competitors are essential components of a market strategy. Additionally, evaluating the feasibility of customer adoption and awareness will inform our strategic marketing and communication initiatives, ensuring effective market penetration.
- **Stakeholders:** The questionnaire also endeavours to assess the internal capabilities of project partners to independently exploit each result. It further explores potential roles for external stakeholders, including investors, suppliers, and end-users, in optimizing partnerships and collaborations.
- **Potential risks vs. opportunities:** An analysis of risks and opportunities will provide enough information to identify mitigation measures and design a risk management strategy before the risks materialise. Besides, evaluating the regulatory frameworks governing the commercialization of each innovation will ensure compliance and identify regulatory factors that may influence market entry and success.

The results of the questionnaire **cannot** be included in this deliverable due to their confidential nature. The information gathered through the questionnaire contains proprietary business insights and sensitive data that must remain confidential to protect competitive advantages and comply with privacy regulations.

The findings of this questionnaire will be used for an assessment of the potential of the business idea (step 3), whose results will be published in D8.5 at the end of the project.

At present, the situation has not significantly deviated from what was established in the proposal. Some partners have confirmed their participation in the identified results, while others have indicated that they do not longer anticipate being involved in certain outcomes.

Below is the most updated version of the project results and the list of participants.

Result	Initial / Proposal KER	Participant lists at Proposal status	Participant lists Update	Comments
RKA1.1	Acquisition flexibility mechanisms	COMI	COMI; i-DE	i-De has been included
RKA1.2	Assessment of market designs	COMI, INESC	COMI, INESC	no changes
RKA1.3	Business models analysis	INESC	INESC	no changes
RKA1.4	Cost-benefit analysis of flexibility options	RSE	RSE	no changes
RKA1.5	Scalability and Replicability Analysis	INESC	INESC	no changes
RKA2.1	Regulation proposals for remuneration of flexibility, ownership, agent roles and incentives	COMI	COMI	no changes
RKA2.2	Assessment of regulatory alternatives	COMI	COMI	no changes
RKA3.1	CC-E: Energy and Value-Added Services	INESC; IBENES; IBES; SAP; TV	INESC; IBENES; IBES; SAP; TV; EDE	EDE has been included
RKA3.2	CC-CS: Cross-sector Services	SAP; TV ; RWTH; ARETI	SAP, RWTH, ARETI	TV does not participate
RKA3.3	CC-CE: Customer engagement Services	SAP; TV ; RWTH	SAP, RWTH; EDE	TV does not participate; EDE has been included

Result	Initial / Proposal KER	Participant lists at Proposal status	Participant lists Update	Comments
RKA4.1	DSO-centric services	INESC; IBENES; IBES; RWTH	INESC; IBENES; IBES; RWTH; TV; i-DE; EDE	TV, i-DE, EDE have been included
RKA4.2	TSO-centric services	TERNA	TERNA; TV	TV has been included
RKA5.1	Grid Data as Business Network Platform	INESC; SAP; SE	INESC; SAP; SE	no changes
RKA6.1	ADMS/DERMS architecture	SE; RWTH	SE; RWTH; ENEL	ENEL has been included
RKA7.1	Targeted value proposition for each market actors	SOUL; SIN; COM	SOUL; SIN; COM	no changes
RKA7.2	Tested consumers' responses to different value propositions	SOUL; SIN; COM	SOUL; SIN; COM	no changes
RKA8.1	Strategies to mitigate barriers of participation	SOUL; SIN; COM	SOUL; SIN; COM	no changes
RKA8.2	Strategies to foster actual participation and minimize the intention-behavior gap	SOUL; SIN; COM	SOUL; SIN; COM	no changes
RKA9.1	Ethical and regulatory compliance of the BeFlexible framework	TLX	TLX	no changes
RKA9.2	Data protection compliance	TLX	TLX	no changes

Table 8: Participant list's update.

Regarding the modification or addition of new results, there has been only two changes: COMI and ENG have identified new results.

Result n°	Initial / Proposal KER	Participants	Status
RKA1.4	Regulatory proposals for the integrating the acquisition of system services in the operation of the power system	COMI	NEW
RKA5.2	Flexibility Market Platform	ENG	NEW

Table 9: BeFlexible new results.

5.3. KPIs progress monitoring

This section outlines the metrics and monitoring mechanisms designed to track the progress and effectiveness of the exploitation efforts. By defining clear KPIs aligned with our business objectives and implementing rigorous monitoring protocols, we aim to track and optimize the impact of our activities. This structured approach not only ensures accountability and transparency but also provides insights for refining strategies and enhancing the overall success of our exploitation initiatives within the project scope.

- Expected milestones according to task 8.3 schedule:
 - First two steps completed by M24. All deadlines and milestones up to month 24 have been successfully met, demonstrating the project's adherence to its schedule (figure 18) and ensuring that all planned activities are progressing as intended.
- Expected outcomes by M24: D8.3.1. and D8.3.3.
 - D8.3.1: The definition of IP Management plan has been conducted in accordance to the answers on the questionnaire mentioned in section 1.2.
 - D8.3.3: The identification of key results has been performed in step 2 along the questionnaire describe in section 1.2.
- Continuous result updating.
 - Monitoring has been conducted regarding the outcomes identified during the proposal phase.
- Partners engagement and feedback:
 - Valuable feedback has been received from project partners through distributed questionnaires. However, completion rates have been affected as not all partners have responded due to challenges in identifying the most suitable person to provide feedback. In response to this fact, a list of contacts has been created for this task identifying exploitation manager for each participant.
- Number of results: 21 (+2 in comparison with previous monitoring).

5.4. Future activities

As defined in figure 18, the upcoming twelve months will include a series of strategically planned activities aiming at ensuring the successful exploitation of the project's results. These activities are designed to methodically build upon each other, providing a comprehensive approach to maximize the impact of the project's results.

The third step, which involves the evaluation of business ideas, is scheduled to be conducted shortly. Consistent with the methodology of the previous steps, a questionnaire will be distributed for completion in September. Subsequently, the evaluation of the findings will be the primary focus of this step, with the results expected to be available by February 2025.

- **Step 3 - Evaluation of business ideas:** Throughout the third step, the pool of exploitable results identified and characterized in the step 2 will be assessed by the exploitation manager within each partner. To that



end, a specific assessment scoring tool was developed by Zabala (see figure 20) to facilitate and homogenate the assessment of the project results. This process is crucial for obtaining a holistic understanding of the project's progress and identifying areas for improvement.



Figure 20: Evaluation method - step 3.

The primary objectives of this activity are:

- Establishing clear metrics to assess the effectiveness and impact of project activities.
 - Synthesizing the gathered data to produce a final evaluation report, scheduled for February 2025.
 - Identify the most promising results.
- **Step 4 - Business Model Generation:** This step will focus on KERs with significant commercial potential, for which a tailored business model will be developed using the Lean Canvas tool. To assist partners in completing the Lean Canvas effectively, Zabala will organize a workshop. This workshop will comprehensively cover the Lean Canvas, including its rationale, individual sections, sequence of completion, and practical guidance on application. Additionally, partners will have the opportunity to discuss their specific KERs and business aspirations during the session.

Steps and outcomes beyond the following 12 months:

- *IPR Protection Mechanism Update.* The IPR protection mechanism will be updated to integrate findings from the IPR questionnaire. The objectives of this update include enhancing the project's ability to safeguard intellectual property.
- *Business Model update.* An update to the business model will be conducted to align with the latest project developments and market insights, ensuring relevance and its effectiveness.
- *Exploitation Plan creation:* Comprehensive plans outlining how the project's outcomes will be utilized, including strategies for market entry, scaling, and long-term sustainability.
- *Summary of Networking Activities:* A detailed summary of all networking initiatives undertaken throughout the project, emphasizing significant partnerships, collaborations, and stakeholder engagements.

- *Preliminary Sales Estimations:* Preliminary sales estimates will be generated establishing the basis for future financial planning and resource allocation.

These results will establish a clear roadmap for the post-project phase, ensuring that project results are effectively transformed into viable marketable applications.



6. Clustering activities and interaction with BRIDGE

Specific activities have been carried out within task 8.5 to reinforce the project's positioning and foster cooperation with relevant ongoing initiatives. BeFlexible is actively engaging with various projects and initiatives to synergistically enhance its impact, with membership in the BRIDGE initiative being particularly noteworthy. This collaborative approach significantly boosts BeFlexible's visibility and enhances the dissemination of project results across broader communities.

6.1. Clustering activities

Regarding collaboration with other Horizon Europe projects, BeFlexible has established a **cluster with two projects funded under the same call, ENFLATE and STREAM**, which has proven highly fruitful in establishing synergies.

Initially, communication managers and project coordinators held meetings to develop a clustering plan. During the launch meeting, each project was presented with its expected interests, leading to a roadmap for future cluster dissemination and communication activities. This roadmap includes participation in common events, organizing webinars and workshops, publishing cluster articles on respective websites ([like this one](#)), engaging on social media, sharing milestones via email, and arranging regular meetings with technical coordinators and for D&C strategies. Furthermore, project presentations were extended to each other's consortiums during the General Assembly of BeFlexible (25-26 September 2023) and ENFLATE (17-18 October 2023).

This collaboration is proving highly beneficial for joint participation in relevant EU-level events, where clustering participation is highly valued and enhances audience attraction and impact:

1. The first cluster session, organized by Zabala, was held at **ENLIT Europe 2023 (November 28th, Paris)**, a prominent fair in the utilities sector, featuring products and services in digitization, network optimization, customer management, Big Data, transmission, distribution, measurement systems, monitoring, and related solutions. The fair attracted 506 exhibitors from 42 countries and 10,000 professional visitors.

The cluster session, titled [“Unlocking Flexibility Markets: Are Customers Ready to Embrace Innovation?”](#), attracted **over 150 attendees** eager to explore the intricacies of the evolving energy sector. The dialogue featured:

- Fernando David Martin Utrilla: i-DE (Iberdrola group), BeFlexible Project Coordinator.
- Jan Jeriha: University of Ljubljana, STREAM Project Coordinator.
- Katerina Drivakou: UBITECH, ENFLATE Project Coordinator.
- Ricardo Bessa: INESC TEC, Keynote Speaker, BeFlexible Project.
- Susana Garayoa: Institutional Relations at Zabala Innovation, and part of BeFlexible.

In addition, BeFlexible also had its own project stand at ENLIT 2023 to interact with stakeholders and present the project to the interested attendees.



Figure 21: BeFlexible participation at ENLIT 2023: project stand and cluster session.

2. The subsequent milestone in cluster event participation occurred at the **European Sustainable Energy Week 2024 (11th-13th June, Brussels)**, organized by the European Commission. EUSEW serves as a platform for stakeholders from across Europe to convene, exchange ideas, and discuss sustainable energy policies and practices, aiming to foster collaboration among policymakers, industry representatives, NGOs, academia, energy consumers, and citizens.

BeFlexible coordinated the session [“What about flexibility? How customers can improve power systems”](#) by engaging various EU projects and initiatives in the field, coordinating with the EUSEW organization and leading the event promotion (see section 4.2.4). The session was divided into two panels that dived into essential aspects of customer engagement and the evolution of flexibility services and platforms toward a fully integrated energy system. Emphasizing customers' availability and willingness to participate actively, the session explored critical topics surrounding flexibility markets and future opportunities within the energy sector. The session attracted a total of **275 attendees** (200 in-person and 75 online).

- Panel 1: “Unlocking local energy flexibility potential: are customers ready to embrace innovation?”. Featuring:
 - o Moderated by Ms. Tzeni Varfi, E.DSO.
 - o Mr. Veli-Pekka Saajo, Council of European Energy Regulators (CEER).
 - o Mr. Fernando David Martin Utrilla, i-DE (Iberdrola) and BeFlexible project.
 - o Mr. Tomi Medved, University of Ljubljana and STREAM project.
 - o Ms. Katerina Drivakou, UBITECH ENERGY and ENFLATE project.
 - o Mr. Josh Roberts, REScoop.eu.
 - o Ms. Rose Matthews, Smart Innovation Norway.
- Panel 2: “Scaling demand response in Europe: lessons learned from field-proven solutions”. Featuring:
 - o Moderated by Ms. Marion Malafosse, SmartEn.
 - o Mr. Thomas Bobinger, Federation of German Consumer Organisations, VZBV.
 - o Mr. Sebastien Condom, Voltalis.
 - o Ms. Lindsay Sugden, NIBE.

- Mr. Charles Verhaeghe, Compass Lexecon.
- Ms. Olivia Sicurani, Sympower.



Figure 22: Cluster session organized by BeFlexible at EUSEW 2024.

3. Currently, the WP8 team is actively preparing for **ENLIT Europe 2024 (22-24 October, Milan)**. Following the success of the previous edition, participation will include a cluster session featuring the three projects. To enhance and broaden the discussion, an external expert from a regulatory or policy background will be invited to contribute. Additionally, BeFlexible will once again have its own exhibition stand.

In addition to collaboration with the sister projects, BeFlexible has joined **the [Energy Nexus Cluster](#)**, an initiative funded by the European Union, which aims to foster collaboration between projects and provide a platform for projects to exchange knowledge, organize match-making events and workshops, and disseminate their results with a broader network of other projects. The cluster will organize quarterly online meetings, through which projects will showcase and share methodologies, best practices, technologies developed, use cases, etc.

6.2. Interaction with BRIDGE

Since the inception of the project, BeFlexible has leveraged **cross-promotion and collaboration** through its participation in the BRIDGE initiative. BRIDGE is a European Commission initiative which unites Horizon 2020 and Horizon Europe Smart Grid, Energy Storage, Islands, and Digitalisation Projects to create a structured view of cross-cutting issues which are encountered in the demonstration projects and constitute an obstacle to innovation.

This partnership has facilitated joint communication opportunities, with constant contact with the BRIDGE dissemination team. Some examples are:

- Presentation of BeFlexible on the [BRIDGE brochure](#).

- Promotion of BeFlexible content in the BRIDGE newsletter ([February 2024 issue](#) and [July 2024 issue](#)), significantly extending its reach within the energy sector.
- BeFlexible has actively participated in BRIDGE General Assemblies (2023 and 2024).
- Contact for potential collaborative events and fairs, and networking opportunities.

Additionally, BeFlexible makes regular contributions to BRIDGE's knowledge creation activities through active participation in surveys and studies. Engaging in these initiatives helps shape and advance understanding within the field of flexible energy systems. By providing insights and data from its own research and implementation efforts, BeFlexible enhances the collective knowledge base of the BRIDGE community. This not only strengthens the project's impact but also fosters ongoing dialogue.

6.2.1. Participation in BRIDGE working groups

The BRIDGE initiative fosters continuous knowledge sharing amongst projects allowing them to deliver conclusions and recommendations through four working groups (WGs) representing the main areas of interest. BeFlexible actively participates in these working groups.

1. Regulation Working Group

Partners involved: i-DE (Iberdrola), Comillas Pontifical University, Timelex.

BeFlexible is leading Action 5, which focuses on supporting system operators to prepare the grid for 2030. The main objective is to identify necessary innovations to advance processes and tools related to network planning and operation. Topics in scope include flexibility integration in network planning, balancing grid investment with flexibility, congestion management, and remuneration mechanisms for system operators. Notable projects expressing interest include ATTEST, BeFlexible Communitas, ELECTRON, ENFLATE, EUniversal, INSULAE, NATURSEA-PV, OneNet, PARMENIDES, REEMPOWERED, SENERGY NETS, STREAM, and XL-Connect. A workshop held on 11/01/2023 in collaboration with ISGAN Working Group 6 explored how Action 5 could align with the development of the EU GRID Plan. Action 5 was presented during the workshop, and the next steps involve working with interested members to define the future direction and also preparing a second workshop with interested parties such as ETIP SNET.

BeFlexible participated in Action 3 “Facilitate energy and flexibility market coordination and integration” for the period 2023-2024. The action addressed an analysis of the barriers and lessons learned from EU project activities regarding flexibility market design and integration. BeFlexible contributed by participating to surveys and workshops.

BeFlexible leads in Action 3 “Facilitate energy and flexibility market coordination and integration” for the period 2024-2025. Bridge Regulatory Working Group (RWG) Action 3 aims to analyse the best practices and the barriers of developing and implementing energy and flexibility market across the European Union countries. Action 3 has the objective to review the proposals and experience from EU funded project to formalise recommendations to foster energy and flexibility market coordination and integration. To achieve this goal, Action 3 reviews what are the design options for the acquisition mechanisms for flexibility with the

aim to analyse how local flexibility markets can be integrated and coordinated. This activity is in line with the BeFlexible D1.1 findings on flexibility acquisition mechanisms design.

2. Data Management Working Group

Partner involved: Timelex.

The Data Management Working Group has outlined several actions for its 2023-2024 program, including further development of the use-case repository, integration of BRIDGE Federated Services Catalogue and interactive visualization into the EU Data Exchange Reference Architecture (DERA), addition of new Generic Business Processes to the Reference Framework, liaison between BRIDGE Standards User Group (BSUG) and standardization bodies, and further investigation into the interoperability of home appliances. Continued efforts will be made to follow up on these actions and increase contributions as more results from BeFlexible become available.

3. Business Models Working Group

Partners involved: InescTec, Soulsight.

The paper Analysis of Flexibility-centric Energy and Cross-sector Business Models | IEEE Conference Publication | IEEE Xplore, a set of slides prepared for T1.3 to explain the roles model, identified business models and the proposed flexibility value chain, deliverable D2.1 (Value Propositions for market actors) with relevant Social inputs for the business model analysis, and an extract from the draft of D1.2 (Framework for a flexibility centric energy and cross-sector value chain, Business Use Cases and KPIs definition). Upon completion of the review process, the final version of D1.2 will be shared.

4. Consumer and Citizen Engagement Working Group

Partner involved: Soulsight, Comillas Pontifical University.

Deliverable 2.1 on Value Propositions has been shared with stakeholders by Soulsight, and there is consideration to share the Value Proposition Framework pending further assessment of its necessity. Comillas participated in all meetings held by the Citizen Engagement Working Group meetings and the Subworking group Indicators of Engagement. Comillas was responsible for writing the Emotional Indicators section of the Working paper. Comillas also attended the Online Seminar Smart Tools for consumer engagement.

The Subworking Group Indicators of Engagement was further divided into two subgroups: one focused on "What Influences Engagement: Theories of Engagement," and the other on "Expanding Existing Indicators." Each subgroup had a representative from Comillas. Between the two subgroups, a report was created with the principal findings, and the Comillas team actively participated in its drafting.

7. Interaction with International Advisory Board

This section describes the work carried out in relation to task 8.6, Interaction with International Advisory Board. As one of the main goals of BeFlexible is to maximise the impact of the project an Advisory Board has been composed with this aim and to get external valuable input and feedback of the project. To achieve this, Advisory Board members take part in Advisory Board meetings throughout the project duration.

In these meetings, the main idea is to encourage Advisory Board members to participate in the debate thus allowing WP leaders to get valuable feedback of the project execution.

The entities that take part in Advisory Board are from several nationalities and play different roles in the energy system as shown in the following chart:

#	Advisory Board member	EU	Role
1	ENTSO-E	BE	European Network of Transmission System Operators for Electricity
2	Svenska Kraftnät	SE	Swedish TSO
3	Equigy	NL	Joint Venture of TSOs developing the Crowd Balancing Platform
4	Energy Systems Catapult	UK	Technology and innovation centre
5	OMIE	ES	Nominated electricity market operator (NEMO) for Iberian Peninsula
6	Swedenergy - Energiföretagen Sverige	SE	Energy System: organisation for companies that supply, distribute, sell, and store energy
7	ARERA	IT	Italian Regulatory Authority for Energy, Networks and Environment
8	IDAE	ES	Institute for diversification and energy saving
9	Digital4Grids	FR	New generation control room platforms developer for Grid operators

Table 10: BeFlexible’s Advisory Board members.

With regards to the interaction with this Advisory Board, one meeting takes place every year. So, one meeting has already taken place (1st Advisory Board meeting) on 16th November 2023 (M15) via Teams.

In this 1st AB meeting, the project coordinator presented an overview of the project and highlighted the importance of the project in the actual scenario and the need of flexibility and coordination. Then, WPs leaders presented relevant information (mainly the technical one) of each WP focusing on their specific objective, Gantt and the work carried out until that date. During the meeting, WP leaders debated with AB members on project results and execution, showing especial interest in WP1 and WP2, that were the most advanced at the date of the meeting.

Special interest on business use cases designed and developed and that will be demonstrated in the project pilots were shown from Advisory Board members. Also, there were some questions related to the Grid Data and Business Network platform and its added functionalities and about the objective to develop and implement local balancing capabilities on demonstration pilots, among others.

After the meeting, some of them shared some suggestions and feedback, emphasizing the importance of focusing on client needs and the crucial role of BeFlexible project in the global energy market.

As for the agenda for the next AB meeting, AB members suggested adapting it to specific topics of the project instead of following the WPs' structure.

The following AB members attended that 1st Advisory Board meeting:

#	Advisory Board member	EU
1	Svenska Kraftnät	SE
2	Equigy	NL
3	Energy Systems Catapult	UK
4	OMIE	ES
5	Swedenergy - Energiföretagen Sverige	SE
6	ARERA	IT
7	IDAE	ES

Table 11: Attendants to the 1st Advisory Board meeting.

In the next months, the 2nd Advisory Board meeting will be arranged.

8. Conclusions

Thanks to effective coordination with the project coordinator, WP8 task leaders, and contributors, as well as the active involvement of all partners, the DEC strategy for BeFlexible has been robust from the project's inception, steadily increasing its impact as it progresses.

A strong community has been cultivated around digital channels, with the BeFlexible website and other communication platforms regularly updated with high-quality content that accurately reflects the project's advancements. Participation in key events for the energy and utilities sector has significantly boosted BeFlexible's visibility, growth, and network connections.

For the remaining months of the project, dissemination and communication efforts are expected to continue their upward trajectory both quantitatively, as reflected in the KPIs in this report, and qualitatively, through the strategic actions and decisions outlined above.



9. Annexes

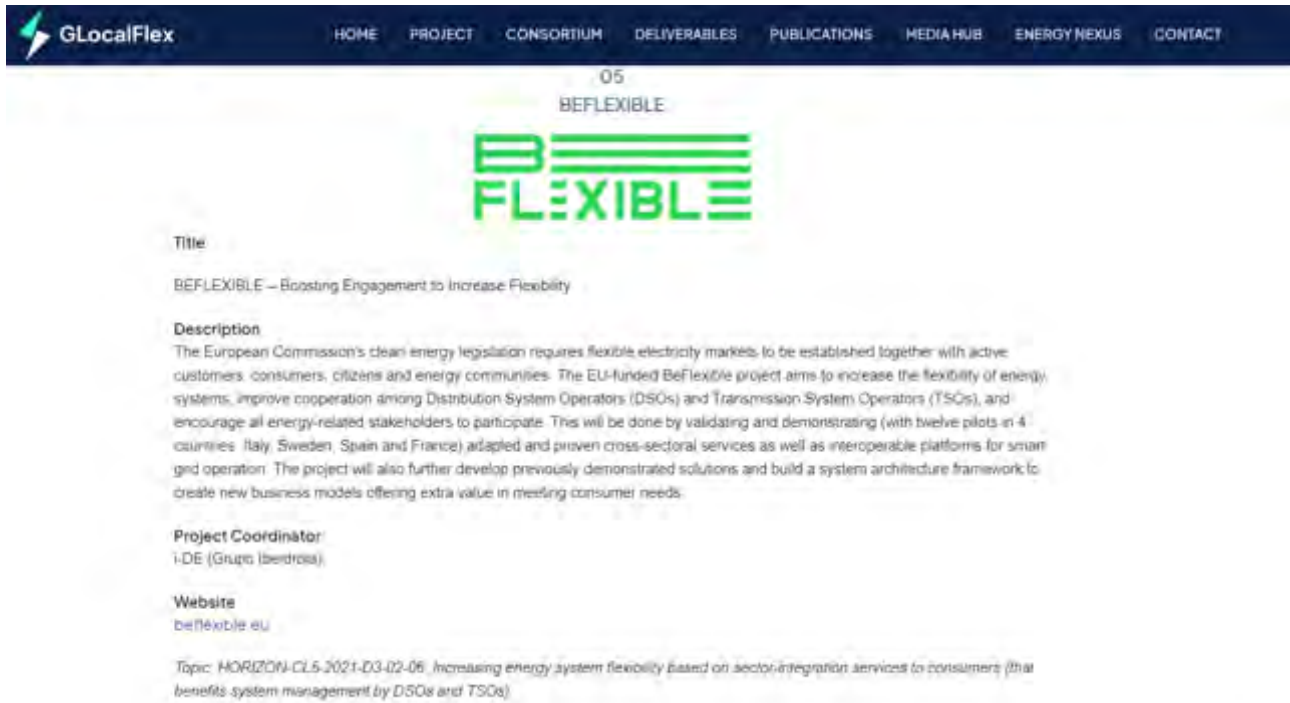
9.1. Media clipping

1. [ELEXIA project website](#)

The screenshot shows the ELEXIA website with a navigation bar at the top. The main content area is titled "Projects participating in the Energy Nexus Cluster". Below this title, there is a list of six project cards. Each card contains a logo on the left, a brief description of the project in the middle, a plus sign icon, and a blue button labeled "Website" on the right.

Project Logo	Project Name	Description	Action
	GLocalFlex	GlobalFlex - A Trade of Virtual and Physical Markets to Demonstrate Grid-Balancing Mechanisms Through Cross-national International and Integrated Energy Exchanges and/or Automatic Feasibility Trading	Website
	RESMANAGE	RESMANAGE - Applications of Smart Algorithms for Optimal Management of Distributed Energy	Website
	STRTEAM	STRTEAM - Smart Energy Trading and Energy Management	Website
	SENERGY NETS	SENERGY NETS - Increase the Synergy Among Different Energy Resources	Website
	R-FLEX	R-FLEX - Real-time, renewable cross-geographical and energy-agnostic second-stage flexibility markets	Website
	ELEXIA	ELEXIA - Enabling Flexibility to Increase Efficiency	Website

2. [Energy Nexus Cluster webiste](#)



The screenshot shows the website for the BEFLEXIBLE project. At the top, there is a dark blue navigation bar with the GLocalFlex logo on the left and menu items: HOME, PROJECT, CONSORTIUM, DELIVERABLES, PUBLICATIONS, MEDIA HUB, ENERGY NEXUS, and CONTACT. Below the navigation bar, the BEFLEXIBLE logo is prominently displayed in the center. The main content area contains the following information:

Title
BEFLEXIBLE – Boosting Engagement to Increase Flexibility

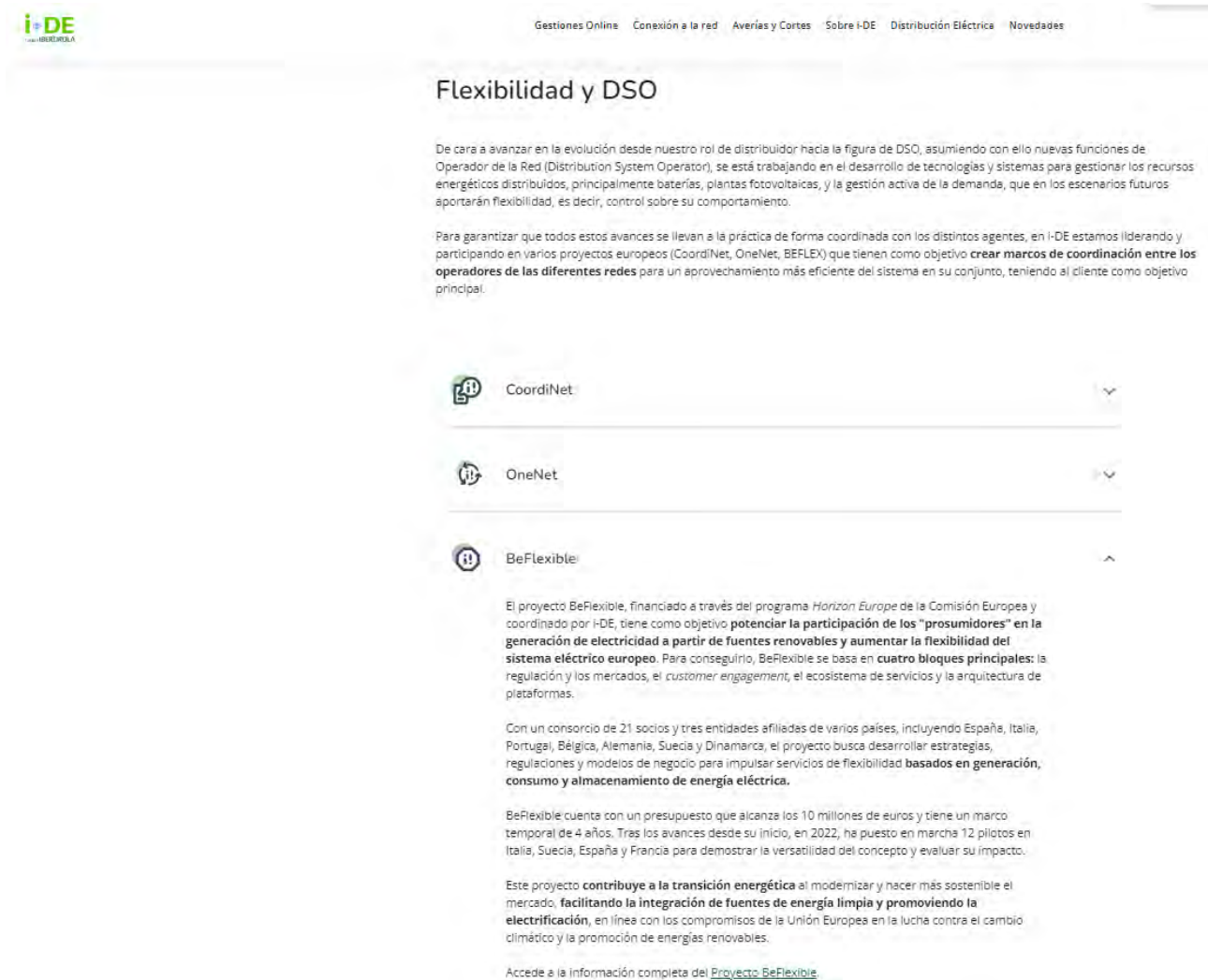
Description
The European Commission's clean energy legislation requires flexible electricity markets to be established together with active customers, consumers, citizens and energy communities. The EU-funded BeFlexible project aims to increase the flexibility of energy systems, improve cooperation among Distribution System Operators (DSOs) and Transmission System Operators (TSOs), and encourage all energy-related stakeholders to participate. This will be done by validating and demonstrating (with twelve pilots in 4 countries: Italy, Sweden, Spain and France) adapted and proven cross-sectoral services as well as interoperable platforms for smart grid operation. The project will also further develop previously demonstrated solutions and build a system architecture framework to create new business models offering extra value in meeting consumer needs.

Project Coordinator
I-DE (Grupo Iberdrola)

Website
beflexible.eu

Topic: HORIZON-CL5-2021-D3-02-06, Increasing energy system flexibility based on sector-integration services to consumers (that benefits system management by DSOs and TSOs)

3. [i-DE website](#)



Flexibilidad y DSO

De cara a avanzar en la evolución desde nuestro rol de distribuidor hacia la figura de DSO, asumiendo con ello nuevas funciones de Operador de la Red (Distribution System Operator), se está trabajando en el desarrollo de tecnologías y sistemas para gestionar los recursos energéticos distribuidos, principalmente baterías, plantas fotovoltaicas, y la gestión activa de la demanda, que en los escenarios futuros aportarán flexibilidad, es decir, control sobre su comportamiento.

Para garantizar que todos estos avances se lleven a la práctica de forma coordinada con los distintos agentes, en i-DE estamos liderando y participando en varios proyectos europeos (CoordiNet, OneNet, BEFLEX) que tienen como objetivo **crear marcos de coordinación entre los operadores de las diferentes redes** para un aprovechamiento más eficiente del sistema en su conjunto, teniendo al cliente como objetivo principal.

- CoordiNet
- OneNet
- BeFlexible

El proyecto BeFlexible, financiado a través del programa *Horizon Europe* de la Comisión Europea y coordinado por i-DE, tiene como objetivo **potenciar la participación de los "prosumidores" en la generación de electricidad a partir de fuentes renovables y aumentar la flexibilidad del sistema eléctrico europeo**. Para conseguirlo, BeFlexible se basa en **cuatro bloques principales**: la regulación y los mercados, el *customer engagement*, el ecosistema de servicios y la arquitectura de plataformas.

Con un consorcio de 21 socios y tres entidades afiliadas de varios países, incluyendo España, Italia, Portugal, Bélgica, Alemania, Suecia y Dinamarca, el proyecto busca desarrollar estrategias, regulaciones y modelos de negocio para impulsar servicios de flexibilidad **basados en generación, consumo y almacenamiento de energía eléctrica**.

BeFlexible cuenta con un presupuesto que alcanza los 10 millones de euros y tiene un marco temporal de 4 años. Tras los avances desde su inicio, en 2022, ha puesto en marcha 12 pilotos en Italia, Suecia, España y Francia para demostrar la versatilidad del concepto y evaluar su impacto.

Este proyecto **contribuye a la transición energética** al modernizar y hacer más sostenible el mercado, **facilitando la integración de fuentes de energía limpia y promoviendo la electrificación**, en línea con los compromisos de la Unión Europea en la lucha contra el cambio climático y la promoción de energías renovables.

Accede a la información completa del [Proyecto BeFlexible](#).

4. [Iberdrola website](#)



Proyecto BeFlexible

BeFlexible implementa pilotos en distintos países para validar su estrategia de flexibilidad energética en Europa

Proyectos Iberdrola Redes eléctricas Smart Grids Iberdrola Internacional

El proyecto BeFlexible, financiado por la Comisión Europea y coordinado por nuestra distribuidora I-DE, tiene como objetivo potenciar la participación de los "prosumidores" en la generación de electricidad a partir de fuentes renovables y elevar la flexibilidad del sistema eléctrico en su conjunto.

El proyecto **BeFlexible**, financiado a través del programa *Horizon Europe* de la Comisión Europea, tiene como objetivo principal potenciar la **participación de los "prosumidores"**, a través de la **definición de estrategias, propuestas regulatorias y nuevos modelos de negocio**. Estas acciones servirán para impulsar nuevos servicios de flexibilidad a partir de generadores, consumidores o almacenamiento de energía eléctrica. De este modo, BeFlexible se propone elevar la **flexibilidad del sistema eléctrico** europeo en su conjunto, un impulso clave para viabilizar un **uso mucho más eficiente de las redes eléctricas**.

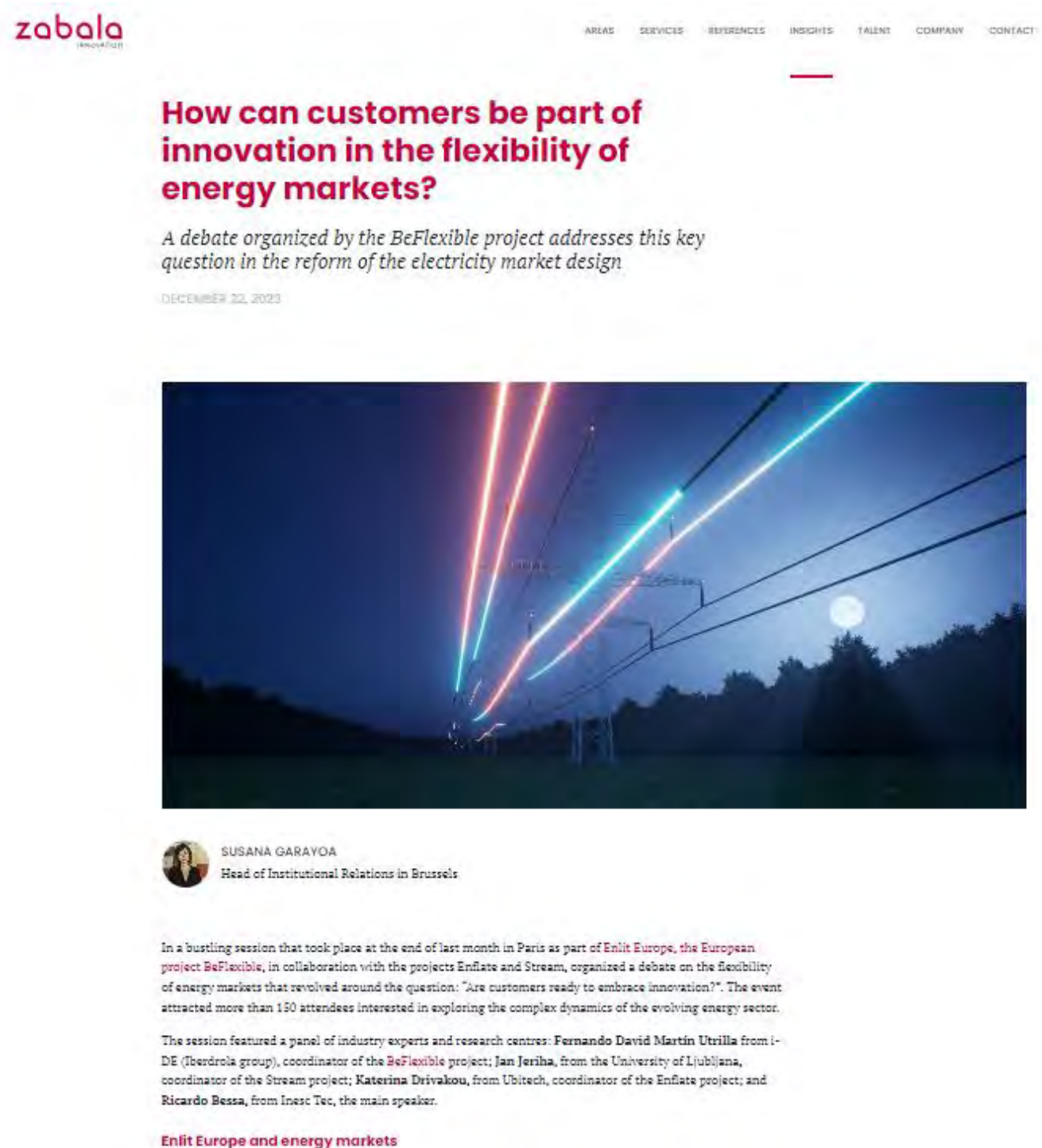
Liderada por nuestra distribuidora de energía I-DE, esta iniciativa progresa con éxito gracias a la unión de **un consorcio formado por 21 socios y tres entidades afiliadas** de España, Italia, Portugal, Bélgica, Alemania, Suecia y Dinamarca. Acompañan a Iberdrola **líder mundial en renovables**- gestores de la red de distribución (**DSOs**), gestores de la red de transporte (**TSOs**), agregadores, centros de investigación y desarrollo, universidades y proveedores industriales de tecnología; lo que proporciona **un enfoque multisectorial que abarca toda la cadena de valor de los sistemas energéticos** y los servicios intersectoriales relacionados.

Tras los avances del primer año en el establecimiento de los procedimientos necesarios, BeFlexible va a llevar a cabo doce pilotos en Italia, Suecia, España y Francia. El objetivo es demostrar la versatilidad del concepto en diferentes entornos -desde distintos tipos de consumidores de energía a distintas áreas geográficas y climáticas-, y **evaluar el impacto de los servicios, plataformas y arquitecturas** propuestas.

5. [Zabala's Spanish website](#) (22/12/2023)

The screenshot shows the Zabala website with a navigation menu including 'SUS TAIN ABLE', 'ÁREAS', 'SERVICIOS', 'REFERENCIAS', 'INSIGHTS', 'TALENTO', 'EMPRESA', and 'CONTACTO'. Below the navigation, there is a link 'IR A OPINIONES EXPERTAS' and a category 'ENERGÍA'. The main article title is '¿Cómo pueden los consumidores ser parte de la innovación en la flexibilización de los mercados energéticos?' with a sub-headline 'Un debate organizado por el proyecto BeFlexible aborda esta cuestión clave en la reforma del diseño del mercado eléctrico' and a date '22 DE DICIEMBRE DE 2023'. The article features a large image of power lines at night with colorful light trails. The author is identified as SUSANA GARAYOA, Responsable de Relaciones Institucionales en Bruselas. The text of the article discusses a debate organized by the BeFlexible project in Paris, focusing on the question: '¿Están listos los consumidores para la innovación en la flexibilización de los mercados energéticos?'. The event attracted more than 150 attendees interested in exploring the complex dynamics of the energy sector in evolution.

6. [Zabala's European website](#) (22/12/2023)




zabala
Innovation

AREAS SERVICES REFERENCES INSIGHTS TALENT COMPANY CONTACT

How can customers be part of innovation in the flexibility of energy markets?

A debate organized by the BeFlexible project addresses this key question in the reform of the electricity market design

DECEMBER 22, 2023



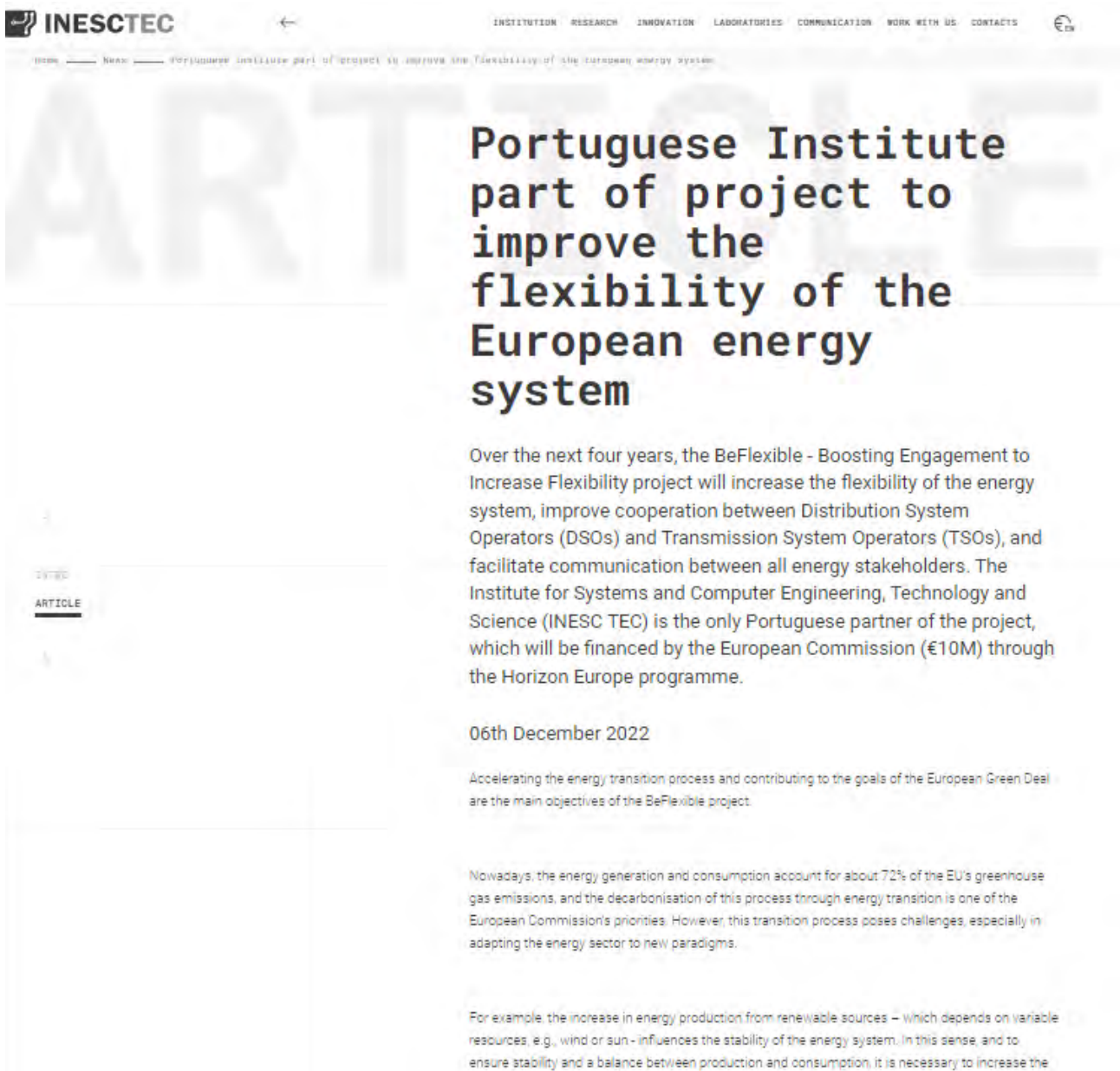
SUSANA GARAYOA
Head of Institutional Relations in Brussels

In a bustling session that took place at the end of last month in Paris as part of Enlit Europe, the European project BeFlexible, in collaboration with the projects Enflate and Stream, organized a debate on the flexibility of energy markets that revolved around the question: "Are customers ready to embrace innovation?". The event attracted more than 150 attendees interested in exploring the complex dynamics of the evolving energy sector.

The session featured a panel of industry experts and research centres: **Fernando David Martín Utrilla** from i-DE (Iberdrola group), coordinator of the BeFlexible project; **Jan Jeriha**, from the University of Ljubljana, coordinator of the Stream project; **Katerina Drivalakou**, from Ubitech, coordinator of the Enflate project; and **Ricardo Bessa**, from Inest Tec, the main speaker.

Enlit Europe and energy markets

7. [INESCTEC's website \(6/12/2023\)](#)



The screenshot shows a webpage from INESCTEC. At the top, there is a navigation menu with links for INSTITUTION, RESEARCH, INNOVATION, LABORATORIES, COMMUNICATION, WORK WITH US, and CONTACTS. Below the menu, a breadcrumb trail reads: Home > News > Portuguese Institute part of project to improve the flexibility of the European energy system. The main heading of the article is "ARTICLE Portuguese Institute part of project to improve the flexibility of the European energy system". The text of the article states: "Over the next four years, the BeFlexible - Boosting Engagement to Increase Flexibility project will increase the flexibility of the energy system, improve cooperation between Distribution System Operators (DSOs) and Transmission System Operators (TSOs), and facilitate communication between all energy stakeholders. The Institute for Systems and Computer Engineering, Technology and Science (INESCTEC) is the only Portuguese partner of the project, which will be financed by the European Commission (€10M) through the Horizon Europe programme." The article is dated "06th December 2022". Further down, it mentions: "Accelerating the energy transition process and contributing to the goals of the European Green Deal are the main objectives of the BeFlexible project." and "Nowadays, the energy generation and consumption account for about 72% of the EU's greenhouse gas emissions, and the decarbonisation of this process through energy transition is one of the European Commission's priorities. However, this transition process poses challenges, especially in adapting the energy sector to new paradigms." The final paragraph begins: "For example, the increase in energy production from renewable sources – which depends on variable resources, e.g., wind or sun - influences the stability of the energy system. In this sense, and to ensure stability and a balance between production and consumption, it is necessary to increase the



8. [El Periódico de la Energía](#) (21/11/2023)



El proyecto europeo BeFlexible celebró recientemente su primer aniversario en la ciudad de Oporto, Portugal, marcando un año de esfuerzos dedicados a impulsar la flexibilidad energética en Europa. Esta innovadora iniciativa, liderada por i-DE, la distribuidora del Grupo Iberdrola, reunió a su consorcio en las instalaciones de InesTec, el Instituto de Ingeniería de Sistemas y Computación, Tecnología y Ciencia, para llevar a cabo su Asamblea General.

Así, Iberdrola en España da un paso adelante por resultar estratégico para la actividad de distribución de energía eléctrica, pues el impulso de la flexibilidad es clave para viabilizar un uso mucho más eficiente de las redes.

La flexibilidad de las redes para Iberdrola

9. [Smart Grids Info](#) (16/11/2022)



SMARTGRIDSINFO
 Todo sobre Redes Eléctricas Inteligentes

Inicio - Smart Grid - Anuncia el proyecto europeo BeFlexible para aumentar la flexibilidad del sistema energético

Arranca el proyecto europeo BeFlexible para aumentar la flexibilidad del sistema energético

Publicado: 16/11/2022

El proyecto BeFlexible, denominado Boosting Engagement to Increase Flexibility, ha recibido una financiación de 10 millones de euros de la Comisión Europea a través del programa Horizonte Europa. Su objetivo será aumentar la flexibilidad del sistema energético, mejorar la cooperación entre los Operadores de Sistemas de Distribución (DSOs) y los Operadores de Sistemas de Transmisión (TSOs) y facilitar la participación de todas las partes interesadas relacionadas con la energía.



Resumen de lanzamiento del proyecto BeFlexible recientemente celebrado en la sede de ICI en Madrid.

El sistema energético exige flexibilidad y nuevos modelos de negocio para las empresas tradicionales de servicios públicos y de distribución. BeFlexible pretende superar las limitaciones existentes aplicando soluciones versátiles que permitan a las redes adaptarse a los próximos escenarios. De esta forma, promoverá mecanismos que proporcionen beneficios a todos los actores del mercado energético (desde los operadores del mercado hasta los usuarios finales), respondiendo a todo tipo de necesidades de los consumidores.

Los cuatro bloques del proyecto BeFlexible

El proyecto BeFlexible se basa en cuatro bloques principales. En primer lugar, se llevará a cabo un análisis de los mercados y la normativa y se definirá un marco flexible para las nuevas oportunidades de negocio.

En segundo lugar, se procederá a la definición y adaptación del ecosistema de servicios que ofrezca una amplia cartera de soluciones flexibles e intersectoriales para los usuarios finales. El tercer punto consiste en la implementación de plataformas y arquitecturas, incluyendo el diseño de una Red de Datos y Negocios Grid (GD&N) y la definición de la arquitectura del sistema para garantizar la plena interoperabilidad de los datos. Por último, BeFlexible se centrará en la participación de los clientes y en un enfoque de co-creación social para satisfacer las necesidades del consumidor.

Demostraciones en España, Italia, Suecia y Francia

En el marco del proyecto, se desplegará un conjunto heterogéneo de pilotos con demostraciones en España, Italia, Suecia y Francia. Los pilotos han sido seleccionados para cubrir una amplia gama de comportamientos energéticos de los consumidores, tipologías de red y condiciones climáticas.

El proyecto tendrá cuatro años de duración y el consorcio reúne a 21 socios y tres entidades afiliadas de siete países europeos diferentes (España, Italia, Portugal, Bélgica, Alemania, Suecia y Dinamarca), entre los que se encuentran DSOs, TSOs, agregadores, centros de I+D y universidades especializadas en la tecnología aplicada en las soluciones, proveedores industriales de tecnología de redes inteligentes y desarrolladores de TIC.

Sinergias con la comunidad Bridge de redes inteligentes

BeFlexible también buscará sinergias con la [comunidad Bridge](#), una iniciativa de la Comisión.



10. [EDSO's website](#)

E.DSO
SMART GRID SOLUTIONS FOR THE FUTURE

Home About Us - Members - About DSOs - EU Projects - Publications News Events - Podcast

BeFlex

Go back

To deliver a sustainable, stable, and secure energy supply, energy networks need to be modernised. Energy system integration must be supported by the progressive electrification of demand-side sectors (e.g., building, mobility, industry) and the integration of other climate-neutral, renewable energy carriers (for example hydrogen and other renewable gases).

Efficient and effective network management is key to the optimal integration of renewables. Therefore, research activities should focus on systemic aspects to enhance the flexibility and resilience of the system, in particular: integrated energy system planning and operation, **consumer engagement and provision of new services, electricity system reliability and resilience**, storage development, and green digitalisation of the energy system.

The project aims at boosting **consumer engagement in network management**, by increasing **energy system flexibility**, enhancing **cooperation among DSOs and TSOs** and **easing participation of all energy-related actors**. This is achieved through the validation and large-scale demonstration of adapted and proven cross-sectoral services and interoperable platforms for smart grid operation. The project further develops already demonstrated solutions (as, for example, in the **CoordiNet** project, whose results are built upon in BeFlex) and **creates a system architecture framework to enable the development of new business models** meeting consumers' needs in synergy with a stable regulatory framework.

Hard Facts

- Start: 22 Aug '16
- Coordinators: 1 DE
- 23 partners in Europe
- 7 participating countries
- 10,5M€ budget (M€ EU grant)

Discover also

- SPRING Project
- CoordiNet
- EDDIE
- EUuniversal
- FLOW
- Inbnet
- InterConnect
- OneNet
- Platone

11. e-distribución's website

Conexión a la red
Gestión de suministro
Cortes y averías
Fraude
Conócenos

Inicio
Innovaciones y proyectos
Proyecto Be Flexible

Proyecto BeFlexible

Los pequeños consumidores pueden tener una participación activa en los futuros servicios de flexibilidad en Zaragoza



El proyecto "Boosting Engagement to Increase Flexibility" (BeFlexible) tiene una duración de 4 años y está dotado con una financiación de 10 millones de euros de la Comisión Europea a través de la Call Horizon-CL5-2021-D3-02-06, en el marco del programa Horizonte Europa.

BeFlexible se inició el 1 de septiembre de 2022 y tiene como objetivo **probar la provisión de servicios de flexibilidad al Operador de Red de Distribución (DSO) y al Operador de Red de Transporte (TSO)** mediante demostradores a gran escala en España, Italia, Suecia y Francia.

El consorcio está formado por: i-DE; Iberdrola Energía España; Enel (y las tres Compañías del Grupo: Gridspertise, e-distribución y e-distribuzione); E.ON Group; Areti; Terna; SAP; Schneider Electric; Thermovault; STEMY Energy; RWTH Aachen University; RSE SPA; INESC TEC; ENGINEERING Group; Soulsight; Universidad Pontificia Comillas; EDSO; Smart Innovation Norway; Zabala Innovation y Timelex.

e-distribución participa con un demostrador en la ciudad de Zaragoza, donde los consumidores aportan flexibilidad al Operador de la Red de Distribución a través de la gestión activa de sus calentadores eléctricos, monitorizados y controlados por la empresa Thermovault.

Puedes consultar más información del proyecto en <https://beflexible.eu/>

12. [PV Magazine](#) (10/11/2022)



The screenshot shows the PV Magazine website with a yellow header. The main article title is "10 millones de financiación para el proyecto europeo que coordina Iberdrola para aumentar la flexibilidad del sistema". The article text states: "BeFlexible comenzó el 1 de septiembre y tendrá una duración de 4 años. Para probar las soluciones propuestas por el proyecto, se llevarán a cabo doce pilotos en España, Italia, Suecia y Francia." The article is dated "NOVIEMBRE 10, 2022" by "PILAR SÁNCHEZ MOLINA". There are tags for "INVESTIGACIÓN", "REDES & INTEGRACIÓN", "TECNOLOGÍA E I+D", "ESPAÑA", and "EUROPA". A newsletter sign-up form is visible on the right side of the page.

13. REVE Wind (10/11/2022)

The screenshot shows the REVE website interface. At the top, there is a navigation menu with links for 'Eólica', 'Otras Renovables', 'Redes', 'Vehículo Eléctrico', 'Operación del Sistema', 'Opción', 'English', and 'Aviso Legal'. The main content area features a large image of a power transmission tower against a cloudy sky. Below the image is the article title: 'Luz verde al proyecto europeo BeFlexible que aumentará la flexibilidad del sistema energético?'. The article text discusses the project's funding by the European Commission, its coordination by I-DE, and the list of participating partners. On the right side of the page, there are social media links, a 'Hazte socio de AEE' button, a 'Somos Eólicos Blog de AEE' banner, and a 'SIMULWIND' logo. Below these are several video thumbnails with red play buttons, including one titled 'V Edición Curso de T...' and another 'Medina Sidonia, V Pr...'. A sidebar on the left contains a navigation menu with 'Inicio', 'Quiénes somos', 'Sobre la eólica', 'Sobre el vehículo eléctrico', and 'Contacto', followed by an 'Archivos' section listing months from November 2022 to January 2019.

14. [El Periódico de la Energía](#) (09/11/2022)

Bruselas financia con 10 millones un proyecto para mejorar la flexibilidad del sistema eléctrico

BeFlexible busca abordar el reto de acelerar la Transición Energética y cumplir los objetivos del Pacto Verde Europeo

Redacción 09/11/2022

Torres eléctricas. FOTO: Iberdrola

Ningún comentario

La Comisión Europea financiará con 10 millones de euros el proyecto 'BeFlexible', iniciativa en la que participan [Iberdrola](#) y [Enel](#) y que tiene por objetivo incrementar la flexibilidad del sistema eléctrico para abordar el reto de acelerar la Transición Energética y cumplir los objetivos del Pacto Verde Europeo (Green Deal).

El proyecto será desarrollado por 21 socios y tres entidades afiliadas de siete países europeos diferentes (España, Italia, Portugal, Bélgica, Alemania, Suecia y Dinamarca), entre los que se encuentran DSOs, TSOs, agregadores, centros de I+D y universidades especializadas en la tecnología aplicada en las soluciones, proveedores industriales de tecnología de redes inteligentes y desarrolladores de TIC.

La digitalización del sistema eléctrico

ALGO NUEVO SE HACE REPOL

Para ser conductor de primera, aprovecha, aprovecha

15. [La Vanguardia \(09/11/2022\)](#)



Bruselas financia con 10 millones un proyecto para mejorar la flexibilidad del sistema eléctrico

+ La Comisión Europea va a financiar con 10 millones de euros el proyecto 'BeFlexible', iniciativa que pretende incrementar la flexibilidad del sistema eléctrico para abordar el reto de acelerar la Transición Energética y cumplir los objetivos del Pacto Verde Europeo (Green Deal).

AGENCIAS
09/11/2022 12:10

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MADRID, 09 (SERVIMEDIA)

La Comisión Europea va a financiar con 10 millones de euros el proyecto 'BeFlexible', iniciativa que pretende incrementar la flexibilidad del sistema eléctrico para abordar el reto de acelerar la Transición Energética y cumplir los objetivos del Pacto Verde Europeo (Green Deal).

Este proyecto, denominado 'Boosting Engagement to Increase Flexibility', está coordinado por Iberdrola y cuenta con la participación de Enel.

Ha recibido una financiación de 10 millones de euros de la Comisión Europea a través del programa Horizonte Europa.

A lo largo de sus cuatro años de duración, 'BeFlexible' tendrá como objetivo aumentar la flexibilidad del sistema energético, mejorar la cooperación entre los Operadores de Sistemas de Distribución (DSO) y los Operadores de Sistemas de Transmisión (TSO) y facilitar la participación de todas las partes interesadas relacionadas con la energía.

Porque la riqueza no es solo dinero.

abante)¡

16. [Servimedia](#) (09/11/2022)

ONDAS 2011

servimedia
LÍDER EN INFORMACIÓN SOCIAL

PORTADA NOTICIAS ÚLTIMA HORA DIÁLOGOS NEWSLETTER TV Y RADIO

noticias **economía**

ENERGÍA

Bruselas financia con 10 millones un proyecto para mejorar la flexibilidad del sistema eléctrico

- Participado por Iberdrola y Enel

09 NOV 2022 | 12:01H | MADRID

SERVIMEDIA

La Comisión Europea va a financiar con 10 millones de euros el proyecto 'BeFlexible', iniciativa que pretende incrementar la flexibilidad del sistema eléctrico para abordar el reto de acelerar la Transición Energética y cumplir los objetivos del Pacto Verde Europeo (Green Deal).

OHLA
Progress Enablers
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NEWSLETTER

Dando energía a tu futuro

17. [Europa Press](#) (09/11/2022)

Economía | europa press

europapress / economía finanzas
Publicado 09/11/2022 14:01

Bruselas financia con 10 millones un proyecto para mejorar la flexibilidad del sistema eléctrico



Archivo - Torres eléctricas - IBERDROLA - Archivo
Participan Iberdrola y Enel

MADRID, 9 Nov. (EUROPA PRESS) -

La Comisión Europea financiará con 10 millones de euros el proyecto 'BeFlexible', iniciativa en la que participan Iberdrola y Enel y que tiene por objetivo incrementar la flexibilidad del sistema eléctrico para abordar el reto de acelerar la Transición Energética y cumplir los objetivos del Pacto Verde Europeo (Green Deal).

El proyecto será desarrollado por 21 socios y tres entidades afiliadas de siete países europeos diferentes (España, Italia, Portugal, Bélgica, Alemania, Suecia y Dinamarca), entre los que se encuentran DSOs, TSOs, agregadores, centros de I+D y universidades especializadas en la tecnología aplicada en las soluciones, proveedores industriales de tecnología de redes inteligentes y desarrolladores de TIC.

El consorcio está formado por: i-DE (Grupo Iberdrola); Iberdrola Energía España; Enel Grids (y las tres entidades afiliadas Gridspertise, e-distribución y e-distribuzione); E.ON Group; Areti; Terna; SAP; Schneider Electric; ThermoVault; Stemy Energy; RWTH Aachen University; RSE SPA; INESC TEC; Engineering Group; Soulsight; Universidad Pontificia Comillas; EDSO, Smart Innovation Norway, Zabala Innovation and Timelex.

El proyecto BeFlexible ha sido lanzado recientemente por i-DE (grupo Iberdrola) como coordinador en su sede de Bilbao y se ha puesto en marcha para abordar el reto de acelerar la Transición Energética y cumplir los objetivos del Pacto Verde Europeo (Green Deal).

BeFlexible también buscará sinergias con la comunidad Bridge, una iniciativa de la Comisión Europea que une los proyectos de Horizonte 2020 y Horizonte Europa de

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COMPRANDO CON ANTELACIÓN, MÁS DESCUENTO TENDRÁS EN LOS BILLETES.

10 10 10 10 10 10

renfe



18. [Zabala's Spanish website](#) (07/11/2022)

zabala INNOVATION

IR A PROYECTOS

BEFLEXIBLE

Impulsar el contacto para aumentar la flexibilidad

Industria, Administración

FECHAS DEL PROYECTO
2022-2026

ROL DE ZABALA INNOVATION
SOCIO

PROYECTO LIDERADO POR
ZABALA

21 Socios

7 Países

10M€ Presupuesto total

4 Años

El proceso

Reto

La energía se considera un motor clave en términos de crecimiento, competitividad y desarrollo para las economías modernas. En este sentido, surgen nuevos retos en la Unión Europea (UE) para adecuar el sistema energético a los nuevos paradigmas energéticos. La UE actualizó los ambiciosos objetivos establecidos en el Marco 2020 para Clima y Energía. En la actualidad, la producción y el uso de la energía representan alrededor del 72% de las emisiones de gases de efecto invernadero de la UE. El firme compromiso de reducir las emisiones exige una rápida y drástica descarbonización del sistema energético europeo, llevada a cabo en cumplimiento de los principales impulsores de los programas de desarrollo de energías limpias.

Solución

Beflexible pretende aumentar la flexibilidad del sistema energético, mejorar la

19. [Zabala's European website](#) (07/11/2022)

The screenshot shows the Zabala website with a navigation menu (HOME, SERVICES, EXPERIENCES, WORKERS, STUDY, COMPANY, CONTACT) and a globe icon. The main content area features a news article titled "BeFlexible, the new project to increase the flexibility of the energy system". The article text is as follows:

BeFlexible, the new project to increase the flexibility of the energy system

Zabala Innovation participates in this initiative coordinated by I-DE, the Spanish electricity distribution company of the Iberdrola group, together with 21 partners from 7 European countries

Energy Transition is a priority and new challenges are arising by the European Union to adapt the energy system to the new paradigm. The BeFlexible project was launched recently by I-DE (Iberdrola group) as coordinator in its headquarters in Bilbao and has been set up to address the challenge of accelerating the Energy Transition and fulfil the Green Deal goals.

The project, named "Boosting Engagement to Increase Flexibility", has received funding of 10.104 from the European Commission through the Horizon Europe programme. Over its 4-year duration, BeFlexible will aim to increase the flexibility of the energy system, improve cooperation between Distribution System Operators (DSOs) and Transmission System Operators (TSOs) and facilitate the participation of all energy-related stakeholders.

To address these challenges, the project consortium brings together 21 partners and 2 affiliated centres from 7 different European countries (Spain, Italy, Portugal, Belgium, Germany, Sweden and Denmark), including DSOs, TSOs, aggregators, R&D centres and Universities specialised in the technology applied in the solution, industrial suppliers of smart grid technology providers and ICT developers.

BeFlexible consists of a consortium made up by: I-DE (Iberdrola Group), Iberdrola Energía España, Iberdrola Grids and the 2 affiliated centres Swedishgrid, s-distribusjon and E-distribusjon; E.ON Group; Enel; Terna; EEP; Schenck Electric; Thales; Ictm; STMIK Energy; SOITM London; Unswatley; RIG SPA; HUB40 TSO; MINDGREENING Group; Knowledge; Universidad Pontificia Comillas; ED30; Smart Innovation Norway; Zabala Innovation and Tivolis.

Bridge to foster continuous knowledge exchange

BeFlexible will also work synergies together with the Bridge consortium. Bridge is a European Commission initiative which unites Horizon 2020 and Horizon Europe Smart Grid, Energy Storage, Islands, and Digitalisation projects to create a streamlined view of cross-cutting issues which are encountered in the demonstration projects and may constitute an obstacle to innovation. The Bridge project fosters continuous knowledge sharing through projects that affecting them to deliver conclusions and recommendations about the future implementation of the project results, with a single voice, through four different Working Groups representing the main areas of interest: data management, business models, regulations, customer and citizen engagement.

20. [Zabala's Spanish website](#) (07/11/2022)

The screenshot shows a webpage from Zabala Innovation. At the top left is the Zabala logo. A navigation menu at the top right includes: ÁREAS, SERVICIOS, REFERENCIAS, INSIGHTS, TALENTO, EMPRESA, CONTACTO. The main heading is "BeFlexible, el nuevo proyecto que aumentará la flexibilidad del sistema energético". Below it is a sub-heading: "Zabala Innovation participa en esta iniciativa coordinada por i-DE, la empresa española de distribución eléctrica del grupo Iberdrola, junto con 21 socios de 7 países europeos". The date is "7 DE NOVIEMBRE DE 2022" and the category is "Financiación proyectos europeos".

The article text reads:

La transición energética es una prioridad y la Unión Europea se enfrenta a nuevos retos para adaptar el sistema energético a los nuevos paradigmas. El proyecto BeFlexible ha sido lanzado recientemente por i-DE (grupo Iberdrola) como coordinador en su sede de Bilbao y se ha puesto en marcha para abordar el reto de acelerar la Transición Energética y cumplir los objetivos del Pacto Verde Europeo (Green Deal). Zabala Innovation participa en este proyecto como líder del paquete de trabajo de Comunicación, Disseminación y Explotación, además de apoyar en la gestión a i-DE.

El proyecto, denominado «Boosting Engagement to Increase Flexibility», ha recibido una financiación de 10 millones de euros de la Comisión Europea a través del programa Horizonte Europa. A lo largo de sus 4 años de duración, BeFlexible tendrá como objetivo aumentar la flexibilidad del sistema energético, mejorar la cooperación entre los Operadores de Sistemas de Distribución (DSOs) y los Operadores de Sistemas de Transmisión (TSOs) y facilitar la participación de todas las partes interesadas relacionadas con la energía.

Para hacer frente a estos retos, el consorcio del proyecto reúne a 21 socios y 3 entidades afiliadas de 7 países europeos diferentes (España, Italia, Portugal, Bélgica, Alemania, Suecia y Dinamarca), entre los que se encuentran DSOs, TSOs, agregadores, centros de I-D y universidades especializadas en la tecnología aplicada en las soluciones, proveedores industriales de tecnología de redes inteligentes y desarrolladores de TIC.

BeFlexible está formado por un consorcio compuesto por: i-DE (Grupo Iberdrola); Iberdrola Clientes; Enel Global Infrastructure and Networks (y las 2 entidades afiliadas E-Distribución and E-distribuzione S.p.A.); E.ON Group; Aretz; Terna; SAP; Schneider Electric; ThermoVault; STEM Energy; RWTH Aachen University; RSE SPA; INESC TEC; ENGINEERING Group; Gridspertise; Soulsight; Universidad Pontificia Comillas; EDSO, Smart Innovation Norway, Zabala Innovation y Timelex.

BRIDGE para fomentar el intercambio continuo de conocimientos

BeFlexible también buscará sinergias con la comunidad Bridge, iniciativa liderada por Zabala Innovation. BRIDGE es una iniciativa de la Comisión Europea que une los proyectos de Horizonte 2020 y Horizonte Europa de Redes Inteligentes, Almacenamiento de Energía, Islas y Digitalización para crear una visión estructurada de las cuestiones transversales que se encuentran en los proyectos de demostración y que pueden constituir un obstáculo para la innovación. La iniciativa Bridge fomenta el intercambio continuo de conocimientos entre los proyectos, lo que les permite presentar conclusiones y recomendaciones sobre la



21. [Zabala's european website](#) (07/11/2022)

