D5.1 Dissemination, Exploitation and Communication Plan 1

October 2024 (M6)

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Abstract	Deliverable D5.1 outlines the project's strategy for dissemination and communication throughout projects duration. This plan includes defining goals, outputs, a stakeholder matrix, key messages, strategies for the effective exploitation of project results, and the communication channels.
Keywords	Communication, dissemination, strategy, visual identity, website, stakeholders, key messages

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Control Versions

Version	Date	Description	Author
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Executive Summary

Document D5.1 Dissemination, Exploitation, and Communication Plan outlines the SynGRID project's strategy for effectively sharing and promoting its research goals and outcomes. It covers the outcomes of the work completed during the first six months within Work Package 5 (WP5). The primary target of this document is to engage key stakeholders, ensure the broad dissemination of project results, and support the integration of innovative low-voltage grid management solutions, particularly in Widening countries like Croatia, Greece, and Slovenia.

Key results include the development of a Stakeholder Matrix, a framework for targeted communication messages, and a detailed SynGRID visual identity to strengthen project recognition. These outputs are geared toward fostering knowledge transfer, policy development, and capacity building in low-voltage grid management and Renewable Energy Sources (RES). The document specifies communication channels such as a project website, social media platforms, newsletters, and in-person events to achieve these goals.

In addition to the dissemination activities, the plan highlights educational initiatives, including summer schools, researcher exchanges, and targeted workshops, aimed at enhancing skills and collaboration in the energy sector. These efforts are designed to valorise the outcomes of past Horizon projects and extend their impact through regional innovation. To ensure adaptive communication, the plan establishes Key Performance Indicators (KPIs) to monitor effectiveness over the project's duration. It is noted that this plan will be updated in Deliverable D5.2 at M30 (April 2026) to reflect new insights and project developments.

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1 Introduction

1.1 Purpose of the document

The purpose of document D5.1 is to define the Dissemination, Exploitation and Communication (DEC) strategy. This strategy is essential for ensuring that project outcomes are effectively shared with the target audience, key stakeholders are engaged, and results are utilised to their fullest potential.

The objective of D5.1 is to provide a detailed framework for communication activities, outline the methods for engaging stakeholders, and specify how project findings will be exploited to foster regional and international innovation in the energy sector. The document aims to promote the integration of low-voltage grid management and Renewable Energy Sources (RES) by drawing on the results of past Horizon projects. The DEC strategy is integrated across all work packages (WPs) of the SynGRID project.

The DEC plan is led by IRI, with collaboration from all partners in the consortium. Each partner plays a crucial role in implementing communication activities within their areas of expertise, providing content for dissemination, participating in events, and engaging with their respective networks to ensure broad and effective outreach.

1.2 Scope of the document

The D5.1 is the first document produced under the scope of WP5 and provides a comprehensive overview of the communication and dissemination strategy for the SynGRID project. It encompasses a wide range of topics, including branding, communication channels, stakeholder analysis, promotional materials, networking events, exploitation strategies, and scientific publications. Additionally, it covers the approach for measuring and tracking the effectiveness of communication activities. This report serves as a practical guide for the consortium, detailing how dissemination and communication will be conducted throughout the project's duration. It is a dynamic document, intended to be updated in response to the feedback and needs of the target audience.

1.3 Structure of the document

The document presents the strategy and vision of the dissemination, exploitation and communication plan. It is divided into ten chapters:

- **Chapter 2** provides a brief introduction to the SynGRID project and its core objectives.
- **Chapter 3** outlines the Dissemination and Communication strategy, detailing how information will be shared and who will be targeted.
- **Chapter 4** focuses on stakeholders, presenting a detailed Stakeholder Matrix that categorizes key groups and their roles in the project.
- **Chapter** 5 describes the project's visual identity, including the logotype, colour schemes, typography, and icons designed to ensure a cohesive and professional brand.
- **Chapter 6** details communication tools, with a focus on the project's website, social media channels, planned promotional materials, and media outreach efforts.
- **Chapter 7** covers dissemination activities, such as participation in conferences, networking events, workshops, research exchanges, scientific publications, annual SynGRID showcase events, and SynGRID summer schools.
- **Chapter 8** describes the monitoring and evaluation of communication activities using KPIs.
- **Chapter 9** provides an overview of the Exploitation strategy, including plans for using and valorising project results in academic, industrial, and policy domains.
- The deliverable is brought to a close with the primary conclusions in **Chapter 10**.

2 About the SynGRID project

SynGRID aims to enhance institutional and regional innovation in Widening countries by capitalising on outcomes from completed Horizon 2020 (H2020) and ongoing Horizon Europe (HE) projects. The valorisation of research results, with a focus on enhancing the management, observability, and controllability of low-voltage (LV) grids considering the increased integration of renewable energy sources (RES), will be combined with the transparent sharing of the know-how to foster stronger collaborations between renowned research and innovation institutions and HE beneficiaries in Croatia, Greece, and Slovenia.

The outcome of the international collaboration will be materialised in joint ERDF, HE and LIFE project proposals that will aim to bridge the gap between European and regional funding mechanisms.

To unlock the full potential of research and innovation (R&I) actors, the SynGRID project will employ a multi-faceted capacity-building strategy supported by a comprehensive analysis, encompassing a review of validated research outcomes from Horizon projects and an assessment of the current technology landscape in Croatia, Greece, and Slovenia to identify areas requiring intervention. SynGRID will engage key stakeholders including distribution system operators (DSOs), regional authorities, small and medium-sized enterprises (SMEs) in the energy sector, and research institutions.

The backbone of knowledge sharing is structured around key projects like H2020 – COMPILE [1] and X-FLEX [2], as well as HE – STREAM [3] and OPENTUNITY [4], where partners served as coordinators or technical coordinators offering advanced insights into the topic of optimised grid reinforcement and advanced controllability to enable large share of RES in the existing, congested DSO grid together with algorithms for fair sharing of limited capacity.

2.1 SynGRID objectives

The communication, dissemination, and exploitation plan for the SynGRID project is designed to support and promote the achievement of four key objectives:

- **Valorisation of results:** Expand the scope and impact of proven research outcomes and methodologies from H2020 COMPILE, X-FLEX, and HE STREAM and OPENTUNITY projects.
- **Strengthen research capacity:** Foster a sustainable research ecosystem through knowledge exchange initiatives (collaborative research efforts, and engagements with SMEs. Additionally, 3 summer schools will be organised (one in each country) with a focus on the future of power systems, providing students with an in-depth understanding of emerging technologies and addressing the younger generations.
- **Facilitate market uptake and private sector engagement:** Leverage existing solutions for introduction into new markets to address current challenges and lay the groundwork for subsequent project initiatives. To achieve this, the project will conduct workshops specifically designed for SMEs to enhance their participation in HE.
- **Support policy development:** Act as a resource and guide for policymakers and regulators by providing informed insights for the creation and refinement of regulatory frameworks. The aim is to align regional policies and regulations to support the research activities and successful transfer of technologies.

2.2 SynGRID partners

The SynGRID consortium consists of five partners representing three widening countries Croatia, Greece, and Slovenia. Communication and dissemination activities will be undertaken collectively by all members of the SynGRID consortium, which are presented in Table 1.

Table 1: List of SynGRID partners

No.	Participant organisation name	Logo	Country	Short name	Type	Main role in SynGRID
1	Institute for Innovation and Development of University of Ljubljana		Slovenia	IRI	RES	Project coordinator (PC) & Innovation provider
2	Institute of Communication & Computer Systems of the National Technical University of Athens		Greece	ICCS	RES	IT & Innovation provider
3	Josip Juraj Strossmayer University of Osijek, Faculty of Electrical Engineering, Computer Science and Information Technology Osijek		Croatia	FERIT	RES	Pilot Preparation & Capacity Building
4	University of Zagreb Faculty of Electrical Engineering and Computing		Croatia	FER	RES	Regulation & Policy Impact & Capacity Building
5	Petrol Group		Slovenia	PET	IND	Technology Uptaker & IT

3 Dissemination and communication strategy

The primary goal of the SynGRID project's dissemination and communication strategy is to effectively share project-related information with key stakeholders, with a focus on achieving the project's objectives, which include providing insights into capacity building, policy support, enhancing market uptake, and valorising results from Horizon projects.

The strategy aims to communicate the critical importance of advanced low-voltage grid management and the integration of RES to a broad audience that includes policymakers, industry experts, researchers, and the general public. Leveraging the successful experiences from earlier Horizon projects, SynGRID is committed to sharing best practices that can be easily adopted and applied in different contexts.

Communication efforts will commence early in the project and continue throughout its entire duration and beyond, ensuring sustained engagement and a lasting impact.

A diverse set of communication tools and platforms will blend digital outreach - such as the project website, social media, and newsletters - with in-person events, including workshops, conferences, and regional meetings. These activities are designed not only to raise awareness but also to actively encourage the adoption of SynGRID's solutions by relevant stakeholders.

One of the key aims of the strategy is to foster a strong network of professionals and decision-makers, facilitating effective communication and networking throughout the project. Early-stage efforts will focus on establishing a robust digital presence and initiating networking events to share existing results from past Horizon projects. As the project progresses, communication will scale up to include targeted campaigns, regular updates, and the publication of whitepapers. There will be a particular focus on supporting informed policymaking by providing clear, evidence-based insights through policy briefs and specialized meetings with regulatory bodies. This continuous engagement is designed to influence and align regional policies and regulations, creating a fertile environment for the integration of SynGRID's technological advances.

Communication and dissemination efforts will reach their peak annually during the SynGRID summer schools and showcase events. These gatherings will serve as crucial touchpoints, attracting attention from stakeholders. They will provide a platform for presenting the latest findings, fostering knowledge exchange, and showcasing the project's achievements to a diverse audience.

This collaborative strategy ensures that all partners contribute to the project's communication goals, sharing relevant content, organizing events, and engaging their networks to broaden SynGRID's reach. By maintaining a proactive and coordinated communication approach, SynGRID aims to make an impact in the field of low-voltage grid management, ensuring that the project's innovations are not only recognized but also adopted and sustained in policy and industry contexts.

4 Stakeholders matrix

From the proposal-writing phase, the SynGRID project conducted an initial assessment of the stakeholders who would benefit from the project's outcomes and those who would be actively targeted during its implementation. This assessment allowed the consortium to identify and categorize key groups, forming the foundation of the project's Stakeholder matrix. This matrix is designed to guide all communication, dissemination, and exploitation efforts, ensuring they are tailored to the specific needs and influence of each stakeholder group. The primary target groups identified include TSOs, DSOs, SMEs, regulators and authorities, technology providers, research institutions, and project consortiums.

During the first six months of the project, these groups were further refined and specified for each country. Table 2 below presents the specific stakeholders across Slovenia, Croatia, and Greece.

Table 2: Specific stakeholders by country

	SI	HR	GR
Ministry	Ministry of the Environment, Climate and Energy	Ministry of economy and sustainable development, Ministry of Environmental Protection and Green Transition, Ministry of Economy	Ministry of Environment and Energy
NRAs	Energy Agency of the Republic of Slovenia	Croatian Energy Regulatory Agency (HERA)	Regulatory Authority for Energy (RAE)
TSO	ELES	HOPS	IPTO
DSO	SODO/ELES	HEP ODS	HEDNO
Research partners	UL, IRI	FER, FERIT	NTUA
Regional Authority	KSSENA, SAŠA	Regional Development Agency of Slavonia and Baranja, City of Osijek, City of Zagreb, Osijek-Baranja County, Regional Energy Agency North, North-West Croatia Regional Energy Agency (REGEA)	Managing Authority of the Region of Attica OP
SMEs & Technology providers	KOLEKTOR, PETROL, INDEN, NGEN, Amibit, GridInstruments, Golea, BTC, Atlantic Group, Revoz	GridOne, Končar Digital, HELB, A1, Green Energy Pal, TEO-Belišće, Aruna, AleDo TECH d.o.o., HOBACA d.o.o.	DAFNI network of sustainable Greek islands, Que technologies, Electra Energy, Collective Energy Community, PROTASIS engineering and consulting.

The Stakeholder matrix helps ensure that SynGRID's objectives are met by engaging each group according to their influence and interest in the energy sector. The following Table 3 outlines the engagement strategies for each target group, focusing on their specific interests and contributions to the project.

Table 3: Stakeholder engagement matrix

Target group	Interest	Input	Engagement strategy
TSOs, DSOs	High	Insights into grid infrastructure, regulation and local specifics. Ensure successful integration of new technologies and flexibility potential.	Workshops highlighting benefits and their alignment with grid management. Present successful integration and case studies.

SMEs and energy service providers	Medium	Engage SMEs that can benefit from technology transfer and market uptake strategies.	SME focused workshops. Highlight opportunities for SMEs to provide innovative solutions and services within flexibility markets.
Regulators and Authorities	High	Provide guidance on regulatory adaptations for flexibility market operation. Ensure compliance and alignment with policies.	Organise policy-focused roundtable discussions, where project insights and highlighted. Propose policy recommendations aligned with outcomes.
Technology providers and Integrators	Medium	Expertise in adapting and implementing. Ensure technical feasibility.	Host technology showcases for providers to present their solutions.
Research partners /Institutions (including students)	High	Contribute knowledge, research capabilities, and technical expertise. Ensure robust project outcomes.	Collaborate on joint research publications, and capacity-building workshops. Organisation of a summer school.
Policymakers and the general public	Medium	Raise awareness about the technical issues and the collaboration potential.	Social media and website. Webinars and conferences.

4.1 Key messages

The SynGRID project has developed a set of targeted key messages to effectively communicate with each stakeholder group, aligning with the project's objectives to advance low-voltage grid management and increase the integration of RES. The aim is to ensure that each stakeholder group is well-informed, engaged, and able to contribute to the project's success. The consortium has carefully prepared the foundation for these key messages, tailoring them to meet the specific needs and interests of each stakeholder group.

TSOs

- **Enhancing grid stability:** SynGRID offers insights into leveraging aggregated local flexibility for TSOs, enabling them to handle challenges such as grid stability and congestion management more effectively. The project's outcomes will facilitate the adoption of new flexibility services that align with general power system improvements.
- **Data-driven innovation**: The project promotes advanced data management processes, allowing TSOs to benefit from faster decision-making, real-time coordination, and improved operational efficiency.

DSOs

- **Integrating new services and technologies:** SynGRID focuses on distribution-level flexibility, energy communities, and local markets. It will provide DSOs with tested methodologies to adapt traditional grid operations to new services, such as renewable energy integration and electric vehicle charging.

- **Improving grid observability:** The project aims to enhance DSOs' ability to manage and monitor distribution grids through novel tools and concepts, making it easier to handle connection requests for renewable energy sources.

Research partners

- **Strengthening research collaboration:** SynGRID will facilitate joint project proposals under programs like Horizon Europe and INTERREG, emphasizing the importance of research-driven innovation. Partners will share best practices and experiences in high-quality research, enhancing institutional visibility and academic recognition.
- **Access to real-world data**: Research institutions will have access to valuable data, enabling them to validate theories in practical settings, improving the quality and relevance of their research outcomes.

National regulatory authorities (NRAs)

- **Promoting energy communities:** SynGRID builds on previous projects by highlighting the benefits of energy communities in increasing the share of locally generated renewable energy. This initiative supports regional authorities in implementing effective energy transition strategies.
- **Facilitating regulatory adjustments**: Insights from past projects will aid NRAs in understanding regulatory adjustments needed for integrating new technologies in low-voltage grids.

SMEs

- **Encouraging green technology adoption:** When the recent energy crisis hit, SMEs were impacted more severely than households, facing challenges in adapting to rising electricity prices. The SynGRID project, building on Horizon 2020 and Horizon Europe insights, demonstrates the benefits of photovoltaic power integration for SMEs. By investing in green technologies, SMEs can achieve energy self-sufficiency, reducing their vulnerability to global fluctuations. Additionally, adopting renewable energy improves their ESG profile, making them more appealing to socially responsible investors (SRIs) and competitive in today's market sector.
- **Leveraging project experience for business growth:** By sharing lessons learned from past Horizon projects, SynGRID will showcase the advantages of participating in EU-funded research, driving SMEs to engage in similar opportunities and create new business models that support flexibility markets.

Policymakers and general public

- **Promoting sustainable energy systems:** SynGRID supports the broader EU goal of energy independence by advocating for solutions that enhance energy security and stability. These efforts will reduce reliance on imported energy, stabilize prices, and contribute to the transition towards a sustainable energy system.
- **Increasing public awareness:** The project aims to raise awareness about the benefits of renewable energy and low-voltage grid innovation, using social media, webinars, and public campaigns to inform and engage the wider community.

5 SynGRID visual identity

An essential aspect of our communication strategy is the establishment of a strong and recognizable SynGRID brand. A consistent visual identity will ensure that all communication materials are professional, coherent, and immediately identifiable as part of the SynGRID project. It will be included

in every type of promotional material, as well as all templates and publications (e.g. PowerPoint, agenda, deliverables, minutes and Excel tables). Below is a detailed description of the key elements of the visual identity, including the logo, colour scheme, typography, and templates, which together form a brand identity.

5.1 SynGRID logotype

The official SynGRID logo presented in Figure 1 is the foundation of the visual identity. The logo's clean lines and distinct design are intended to enhance recognition and recall, ensuring that all materials related to SynGRID are instantly associated with the project.

Figure 1: SynGRID logotype

Additionally, the project isotype can be used as a supplementary icon in official documents, as shown in Figure 2.

Figure 2: SynGRID isotype

5.2 Colour Scheme

The primary colour palette has been carefully chosen to reflect the project's themes of innovation and energy. SynGRID colour system consists of primary colours and secondary colours showcased in Figure 3 and Figure 4.

CMYK 4/31/60/0	CMYK 24/42/7/0	CMYK 44/80/5/0	CMYK 74/64/66/74
RGB 241/182/118	RGB 192/154/188	RGB 155/83/154	RGB 28/33/31
HEX #F1B676	HEX #C09ABC	HEX #9B539A	HEX #1C211F

Figure 3: Primary colours

CMYK 4/31/60/0	CMYK 4/31/60/0
RGB 241/182/118	RGB 241/182/118
HEX #F1B676	HEX #F1B676

Figure 4: Secondary colours

5.3 Typography

The primary typeface for all communication materials is Aptos, a clean and modern font that balances professionalism with readability. Calibri is the font that is being used for the writing of the body text, final reports and deliverables.

5.4 Supporting graphics

In order to achieve visual consistency, the SynGRID project visual identity also contains a range of icons, tables, infographics and illustrations (shown in Figure 5). They contribute to project recognition but also help to explain topics more clearly. These visuals will be upgraded throughout the project.

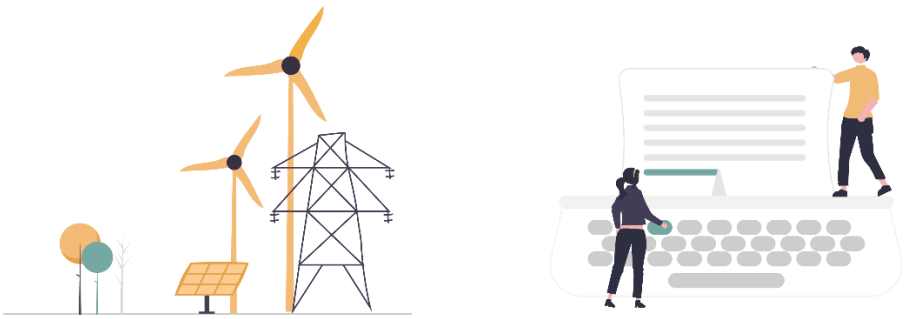


Figure 5: Supporting graphics

5.5 Acknowledgement of EU Funding

In accordance with the European Commission's guidelines, all official communications, publications, and dissemination materials produced by the SynGRID project must prominently display the EU emblem alongside the acknowledgement: "Funded by the European Union." This acknowledgement ensures transparency about the source of funding and highlights the project's alignment with EU goals and initiatives.

Figure 6: EU emblem

The EU emblem and accompanying text must be used consistently across all materials to comply with funding requirements and reinforce the project's European backing.

This project has received funding from the European Union's Horizon Europe research and innovation programme under the grant agreement № 101160145.

For correct usage, partners are encouraged to refer to the guidelines available in the EU's official documentation, ensuring adherence to the visual standards and accessibility in all relevant languages.

6 Communication tools

In order to achieve the SynGRID objectives, a comprehensive set of communication activities has been developed. These activities are designed to engage a diverse range of audiences, including the general public, and raise awareness about the social impacts of our research.

6.1 Official project website

The SynGRID project website, launched in July 2024 (M3), serves as the central hub for all project-related information. It is the primary source for showcasing key updates, news, events, and outcomes, ensuring that stakeholders and the public remain informed about SynGRID's progress. Additionally, the website functions as a comprehensive repository, hosting all public deliverables, materials, and publications, providing easy access to essential resources for stakeholders to understand the project's development and results. The website can be accessed through the following hyperlink: www.syngrid-project.eu.

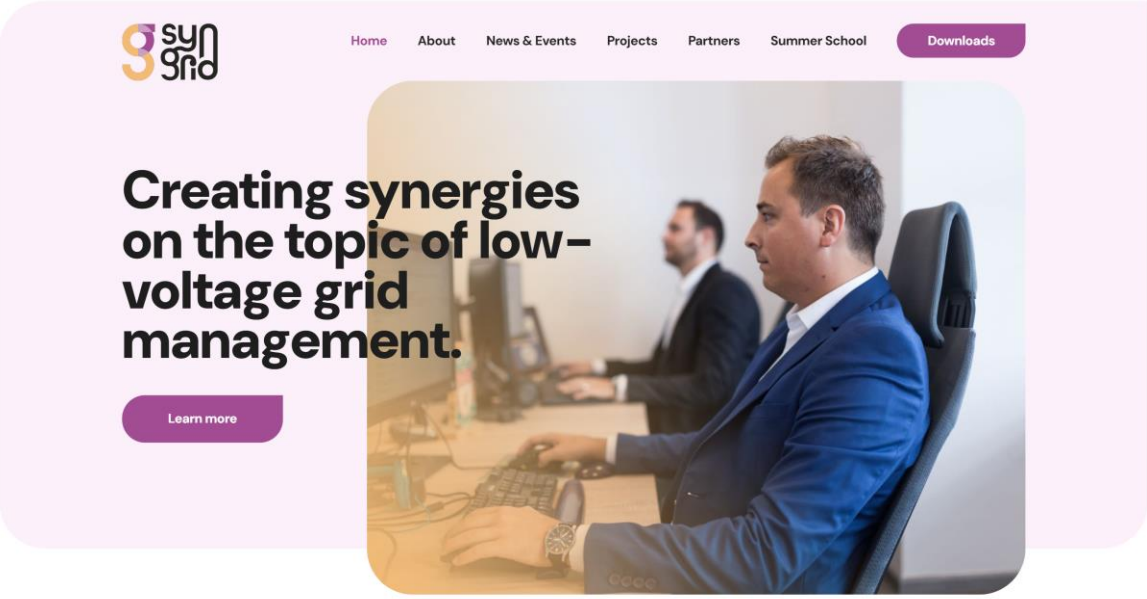


Figure 7: SynGRID project website

The SynGRID project website is structured to provide a clear and accessible overview of the project's goals, activities, and achievements. Its design ensures that users can easily navigate and find the information they need while highlighting the latest updates and project progress. Below is a detailed description of the website's key sections:

- **Home page**: The main landing page introduces visitors to the SynGRID project, featuring a concise overview of the project's objectives and key visuals that capture the project's focus on energy innovation and sustainable solutions.
- **News and events**: A dynamic and regularly updated section that provides the latest news, announcements, and updates related to the project. This is where stakeholders can stay informed about recent developments, including partnerships, research findings, and ongoing activities.

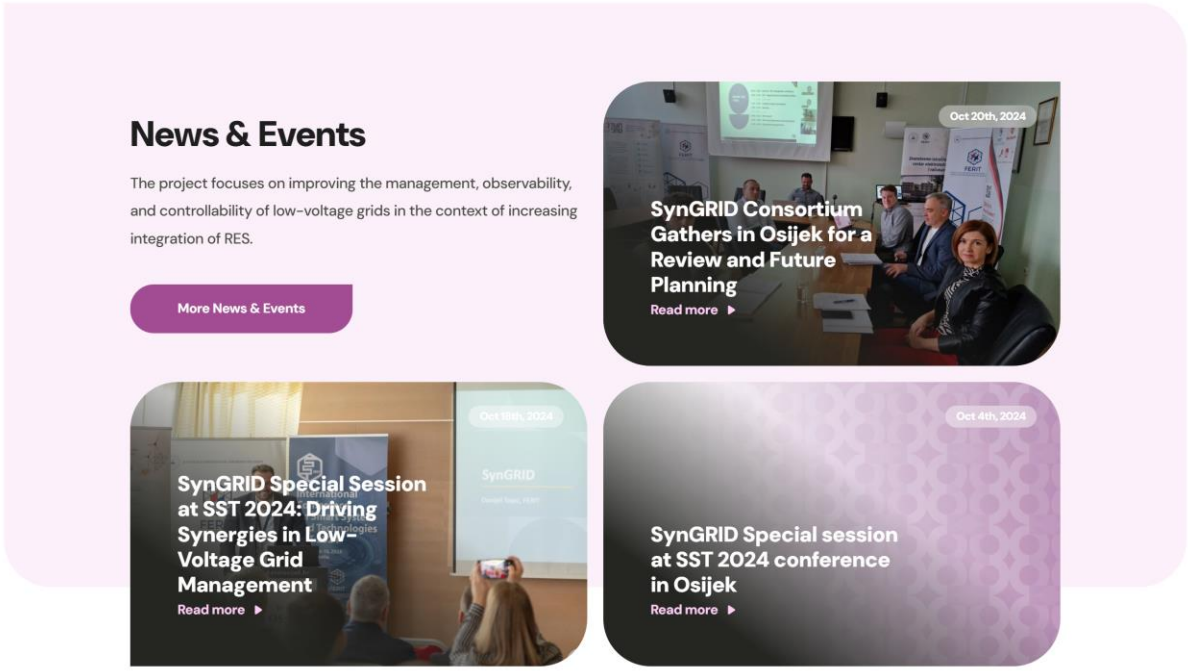


Figure 8: SynGRID website - news section

- **Projects**: This section offers information about SynGRID and its associated projects, allowing visitors to explore each project in detail as shown in Figure 9.

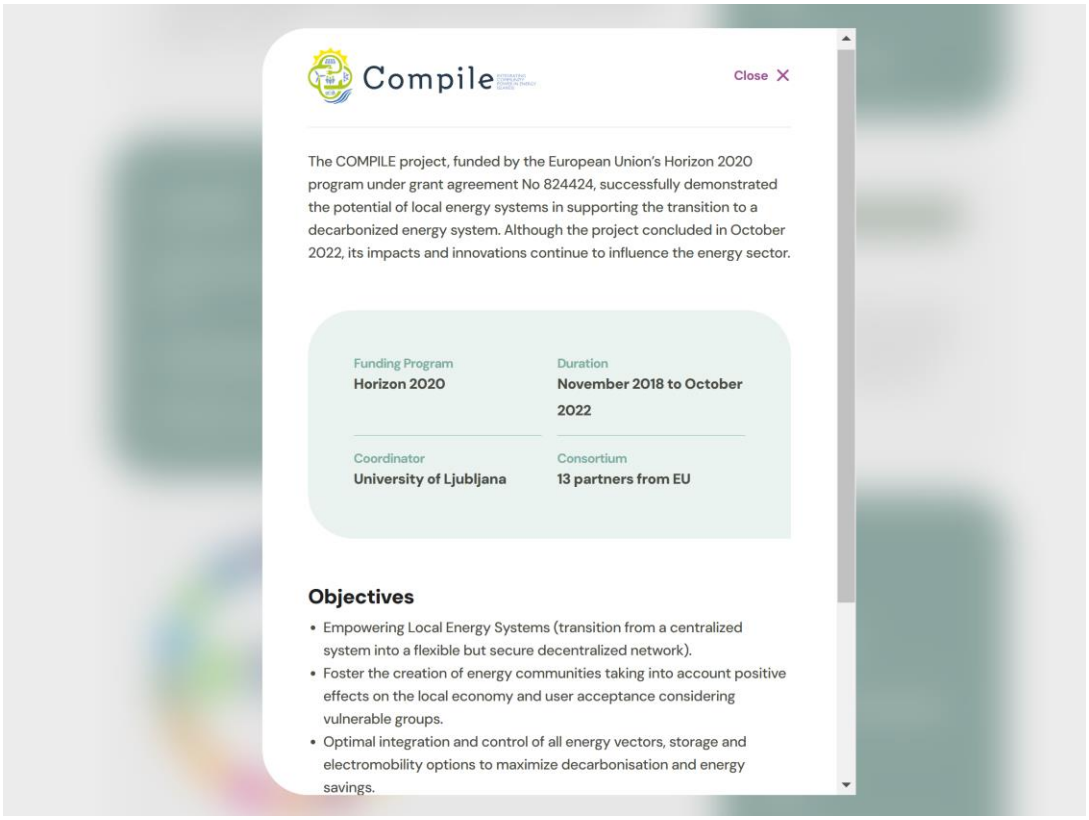


Figure 9: SynGRID website - COMPILE project description

- **Summer schools**: While currently under development, this section will be continuously updated with details on upcoming events, particularly highlighting major activities like summer schools, showcase events, and open calls for participation.
- **Downloads**: A dedicated area where all public deliverables, reports, publications, and other relevant resources are stored.

Google analytics tools will be used to monitor the website activity and to implement strategies, which will improve the website's performance, if needed.

6.2 Social media

The SynGRID project is present on social media platforms, including X (formerly Twitter) and LinkedIn. Posts are regularly refreshed to highlight newly published results, upcoming workshops, conferences, events, and relevant news related to SynGRID, aiming to retain and expand our follower base. The primary objective is to keep followers well-informed by sharing project updates, participation in events, and other relevant industry information such as reports, articles, and speeches that encourage community discussions. Partners are expected to provide photos and related information when attending any event, conference or any dissemination activity being carried out.

6.2.1 X

An X account, @SynGRID_project, was established in M2, serving as a key channel for real-time updates (as shown in Figure 10) and engagement with the project's target audiences, including the scientific community, policymakers, industry professionals, and the European Commission. To enhance visibility and engagement, the following hashtags are regularly used in posts: #SynGRIDproject, #Euproject, #LowVoltageGrids, #RenewableEnergy, and #Synergies.

Figure 10: Snapshot of X posts

6.2.2 LinkedIn

A LinkedIn account @SynGRID has been created in M2.

LinkedIn helps us connect with technology providers, integrators, and research institutions, and share project insights and progress. It is used on a regular basis, mostly for publishing bigger news or invitations to special sessions at conferences (as shown in Figure 11), webinars, the final event, and technical content.

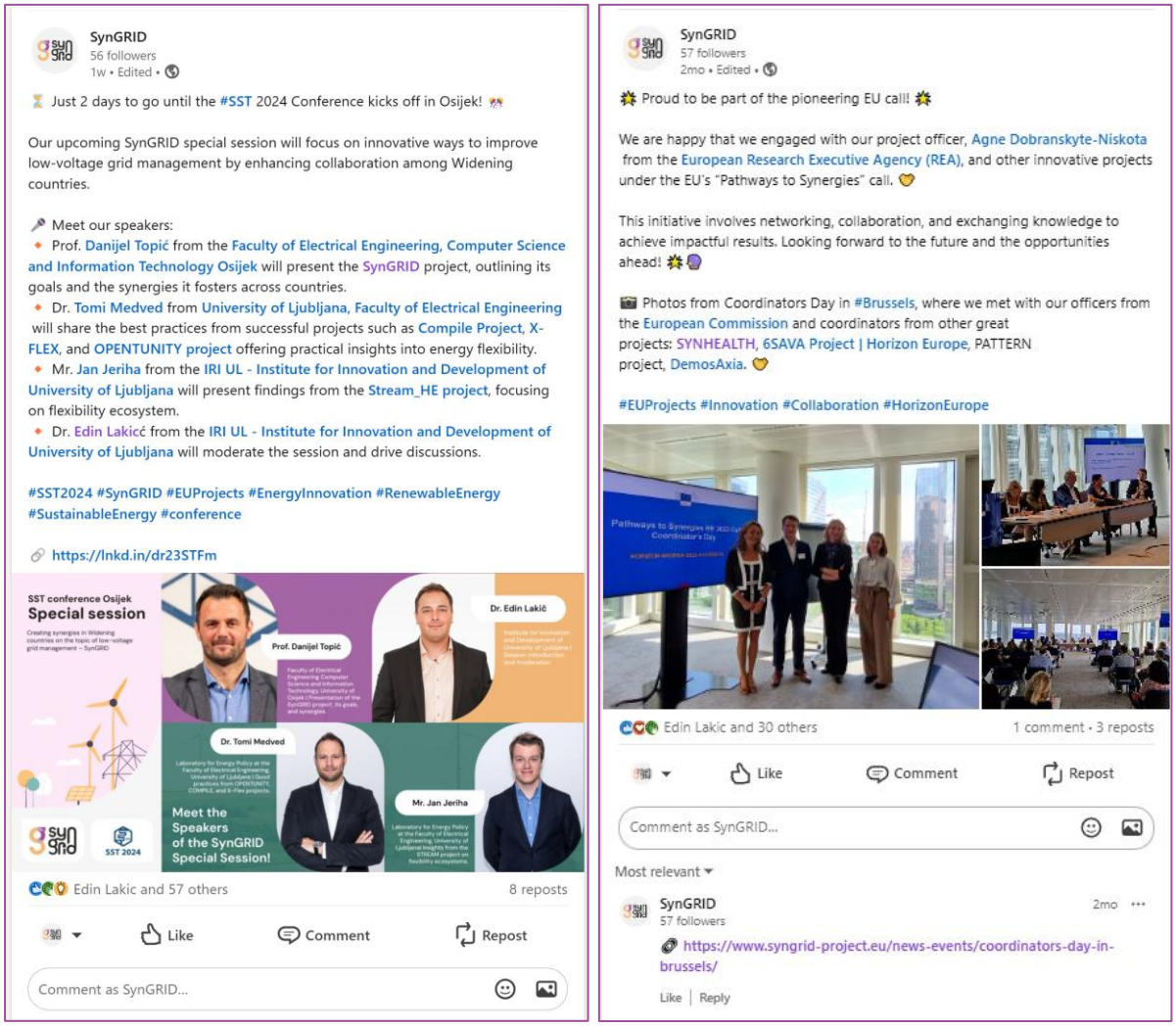
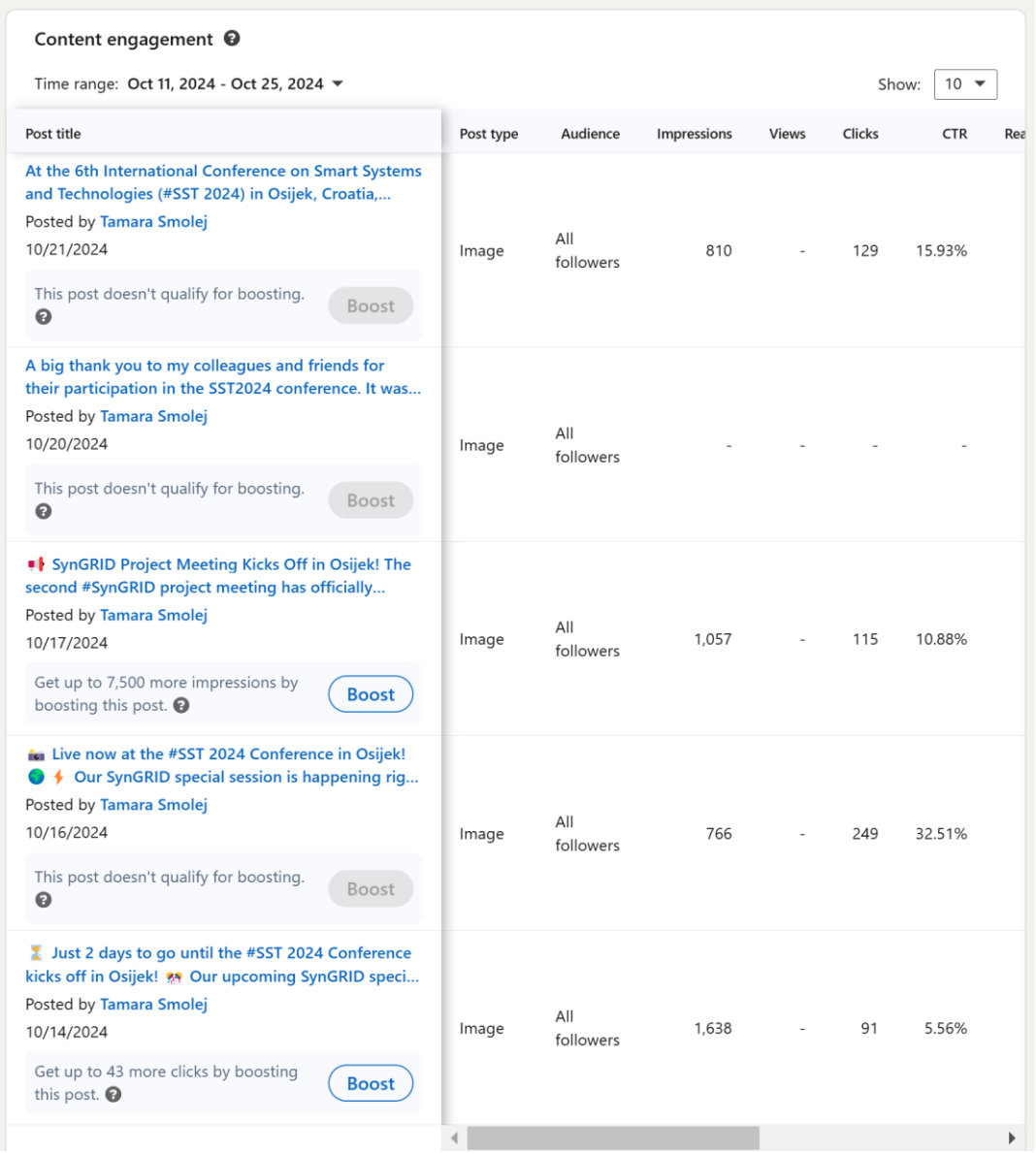


Figure 11: Snapshot of LinkedIn posts

To evaluate the effectiveness of the communication strategy, we will use the free analytic tools provided by X and LinkedIn, enabling adjustments as needed. Additionally, partners will use their own social media channels to amplify project news, reaching a broad audience that includes both final stakeholders and a wider interested community, ensuring comprehensive coverage of SynGRID's activities and outcomes.



Content engagement

Time range: Oct 11, 2024 - Oct 25, 2024 Show: 10

Post title	Post type	Audience	Impressions	Views	Clicks	CTR	Rea
At the 6th International Conference on Smart Systems and Technologies (#SST 2024) in Osijek, Croatia,... Posted by Tamara Smolej 10/21/2024 This post doesn't qualify for boosting. Boost	Image	All followers	810	-	129	15.93%	
A big thank you to my colleagues and friends for their participation in the SST2024 conference. It was... Posted by Tamara Smolej 10/20/2024 This post doesn't qualify for boosting. Boost	Image	All followers	-	-	-	-	
SynGRID Project Meeting Kicks Off in Osijek! The second #SynGRID project meeting has officially... Posted by Tamara Smolej 10/17/2024 Get up to 7,500 more impressions by boosting this post. Boost	Image	All followers	1,057	-	115	10.88%	
Live now at the #SST 2024 Conference in Osijek! Our SynGRID special session is happening rig... Posted by Tamara Smolej 10/16/2024 This post doesn't qualify for boosting. Boost	Image	All followers	766	-	249	32.51%	
Just 2 days to go until the #SST 2024 Conference kicks off in Osijek! Our upcoming SynGRID speci... Posted by Tamara Smolej 10/14/2024 Get up to 43 more clicks by boosting this post. Boost	Image	All followers	1,638	-	91	5.56%	

Figure 12: LinkedIn analytics

6.3 Newsletters

The SynGRID project will issue biannual newsletters, with the first edition scheduled for November 2024. These newsletters will keep the SynGRID community informed about the latest project achievements, progress, outcomes, and upcoming events, including conferences and workshops. To ensure comprehensive and relevant content, partners are encouraged to share all project-related information using a form that will be accessible through the project's digital workspace.

Each newsletter will include several key sections:

- An editorial written by the PC.
- Features on achieved results, synergies with other EU projects, and significant project updates.
- Recaps of past events and announcements for upcoming activities of interest.

To encourage subscriptions, a General data protection regulation (GDPR) compliant subscription form has been established and is available on the SynGRID website, inviting visitors to receive the latest news and developments.

6.4 Printed promotional materials

Physical promotional materials for the SynGRID project include a roll-up shown in Figure 13, which was printed in M6, with additional materials such as brochures and pamphlets to be developed over the course of the project. These materials are intended to supplement our digital outreach and will be distributed at key events and engagements to ensure the SynGRID project is well-represented in both physical and digital forums.

Figure 13: SynGRID roll-up

6.5 Public Engagement Campaigns

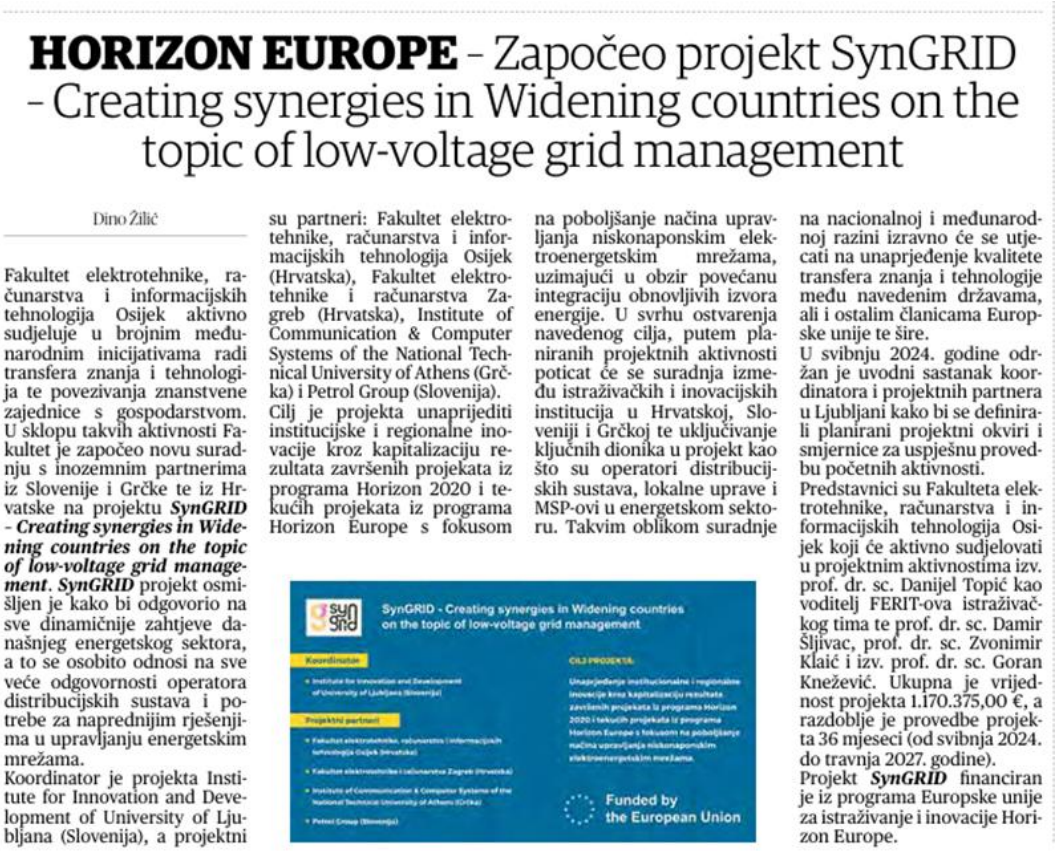
Public Engagement Campaigns will play an important role in communicating SynGRID's research findings to a broad audience. To achieve this, engaging content—including videos, infographics, and flyers—will be created to present complex information in a clear and accessible way. These campaigns will be carefully designed to connect with a diverse range of stakeholders, including the general public, ensuring that SynGRID's work is both informative and relatable to a wider audience.

6.6 Public relations

The SynGRID project will continuously share updates about project events and outcomes through various media channels, specialized press, press releases, newspapers, web portals, and TV. All consortium partners are encouraged to disseminate press releases through their own networks. Each partner will act as an ambassador for the SynGRID project, and for all public communications, the use of the SynGRID logo and official design elements is required. In accordance with the Grant Agreement

(GA) and the Consortium Agreement (CA), all publications must adhere to established Intellectual Property Rights guidelines.

SynGRID has already gained media coverage, with an article published in the Croatian local newspaper, Sveučilišni glasnik, on September 27, 2024. As the project progresses, we will continue to engage with media outlets to ensure wide dissemination of our research and activities. Additionally, SynGRID will leverage established networks and partnerships to amplify outreach, including connections with relevant organizations and stakeholders within the energy and sustainability sectors.



HORIZON EUROPE - Započeo projekt SynGRID - Creating synergies in Widening countries on the topic of low-voltage grid management

Dino Žilić

Fakultet elektrotehnike, računarstva i informacijskih tehnologija Osijek aktivno sudjeluje u brojnim međunarodnim inicijativama radi transfera znanja i tehnologija te povezivanja znanstvene zajednice s gospodarstvom. U sklopu takvih aktivnosti Fakultet je započeo novu suradnju s inozemnim partnerima iz Slovenije i Grčke te iz Hrvatske na projektu ***SynGRID - Creating synergies in Widening countries on the topic of low-voltage grid management***. ***SynGRID*** projekt osmišljen je kako bi odgovorio na sve dinamičnije zahtjeve današnjeg energetskog sektora, a to se osobito odnosi na sve veće odgovornosti operatora distribucijskih sustava i potrebe za naprednijim rješenjima u upravljanju energetskim mrežama.
Koordinator je projekta Institute for Innovation and Development of University of Ljubljana (Slovenija), a projektni su partneri: Fakultet elektrotehnike, računarstva i informacijskih tehnologija Osijek (Hrvatska), Fakultet elektrotehnike i računarstva Zagreb (Hrvatska), Institute of Communication & Computer Systems of the National Technical University of Athens (Grčka) i Petrol Group (Slovenija).
Cilj je projekta unaprijediti institucijske i regionalne inovacije kroz kapitalizaciju rezultata završenih projekata iz programa Horizon 2020 i tekućih projekata iz programa Horizon Europe s fokusom na poboljšanje načina upravljanja niskonaponskim elektroenergetskim mrežama, uzimajući u obzir povećanu integraciju obnovljivih izvora energije. U svrhu ostvarenja navedenog cilja, putem planiranih projektnih aktivnosti poticat će se suradnja između istraživačkih i inovacijskih institucija u Hrvatskoj, Sloveniji i Grčkoj te uključivanje ključnih dionika u projekt kao što su operatori distribucijskih sustava, lokalne uprave i MSP-ovi u energetskom sektoru. Takvim oblikom suradnje na nacionalnoj i međunarodnoj razini izravno će se utjecati na unaprjeđenje kvalitete transfera znanja i tehnologije među navedenim državama, ali i ostalim članicama Europske unije te šire.
U svibnju 2024. godine održan je uvodni sastanak koordinatora i projektnih partnera u Ljubljani kako bi se definirali planirani projektni okviri i smjernice za uspješnu provedbu početnih aktivnosti.
Predstavnici su Fakulteta elektrotehnike, računarstva i informacijskih tehnologija Osijek koji će aktivno sudjelovati u projektnim aktivnostima izv. prof. dr. sc. Danijel Topić kao voditelj FERIT-ova istraživačkog tima te prof. dr. sc. Damir Šljivac, prof. dr. sc. Zvonimir Klaić i izv. prof. dr. sc. Goran Knežević. Ukupna je vrijednost projekta 1.170.375,00 €, a razdoblje je provedbe projekta 36 mjeseci (od svibnja 2024. do travnja 2027. godine).
Projekt ***SynGRID*** financiran je iz programa Europske unije za istraživanje i inovacije Horizon Europe.

Figure 14: SynGRID in Croatian local newspaper, Sveučilišni Glasnik

6.7 Policy briefs

In line with our commitment to supporting informed policymaking, the SynGRID project will produce a series of policy briefs aimed at providing clear and actionable insights to policymakers, regulatory authorities, and industry stakeholders. These briefs will be strategically published ahead of key EU, national, and regional events to attract the attention of regulatory bodies and encourage their participation in SynGRID's exchange of results events. This effort is closely tied to one of SynGRID's primary objectives: to support policy development by serving as a resource for policymakers and regulators. The project aims to provide informed recommendations that will assist in shaping regulatory frameworks and aligning them with regional policies to facilitate the successful transfer of new technologies. To achieve this, SynGRID will produce a total of six whitepapers and five policy briefs, offering in-depth analysis and guidance on critical issues within the energy sector. These documents will highlight best practices, identify challenges specific to Widening countries, and provide a roadmap for integrating innovative solutions into existing frameworks. Additionally, targeted

capacity-building activities will be carried out to address the unique barriers faced by regions with lower research and innovation performance, especially those outside capital areas. Through these efforts, SynGRID aims to influence the decision-making of at least five authorities, supported by ten regional capacity-building activities in each participating country.

7 Dissemination activities

The goal of dissemination activities in SynGRID is to ensure that the knowledge generated by the project effectively reaches its intended audiences, facilitating the adoption of innovative technologies and fostering collaboration among key stakeholders. These activities aim to bridge the gap between research developments and practical applications, supporting the integration of low-voltage grid management solutions and renewable energy. To achieve this, SynGRID will employ a diverse range of targeted dissemination strategies.

7.1 Conferences and events

SynGRID results will be showcased at key industry events across Europe. Consortium members will use presentations, printed materials, and exhibit stands to promote the project. All content will also be published on the SynGRID website, newsletters, and social media to maximize reach. Table 4 presents the preliminary list of scientific conferences and events, which have been identified so far. The list is non-exhaustive and will be regularly updated during the project to reflect newly identified opportunities, where the SynGRID results could be presented.

Table 4: Preliminary list of scientific conferences and events

Participation in events
CIGRE General meeting [5]
IRES - International Renewable Energy Storage Conference [6]
ICSG - International Smart Grid Congress and Fair [8]
ISGT - Innovative Smart Grid Technologies Conference Europe [6]
EUSEW - Sustainable Energy Week [9]
PSCC - Power Systems Computation Conference [10]
EEM - The European Energy Market Conference [11]
SST - International Conference on Smart Systems and Technologies [12]

One notable event that has already taken place is the SynGRID Special Session at the International Conference on Smart Systems and Technologies (SST 2024), held in October 2024 in Osijek, Croatia. During this session, SynGRID was introduced to the scientific and industrial community, highlighting best practices derived from previous successful Horizon projects. The session emphasized the project's focus on low-voltage grid management and the importance of building synergies within the energy sector.

Figure 15: SynGRID Special Session at the SST conference 2024

A central component of SynGRID's dissemination strategy is the organization of workshops, webinars, and networking events to facilitate knowledge transfer, technology adoption, and the sharing of best practices. These activities target R&I actors in Widening countries, particularly in Slovenia, Croatia, and Greece, to strengthen their capacity for energy innovation. Workshops **and webinars** will provide hands-on training in low-voltage grid management and renewable energy integration, featuring real-world case studies and successful technology applications. In parallel, **networking events** will promote interaction among stakeholders—such as industry professionals, researchers, and policymakers—fostering collaboration and partnerships that can drive innovation forward. To support **cross-regional cooperation**, SynGRID will establish **cross-border networks**, encouraging information exchange, resource sharing, and joint projects among stakeholders. Additionally**, policy-focused roundtables** will be organized to bring together policymakers and regulatory authorities to discuss the project's insights and provide policy recommendations. These roundtables aim to ensure that the regulatory frameworks support the integration of SynGRID's innovative solutions, influencing energy policy in line with project outcomes.

These events will be scheduled regularly throughout the project, starting with introductory sessions and evolving into more detailed technological discussions, all aimed at enhancing the adoption of innovative solutions across Widening countries.

7.1.1 SynGRID showcase events

SynGRID will organize annual Showcase Events in each of the three project countries. These events are pivotal highlights for the project, attracting attention from stakeholders and the general public while serving as focal points for the dissemination of key findings and developments. The first Showcase Event is planned for Greece in April 2025, where early project results and practical applications of SynGRID's innovations will be presented. Each event will bring together researchers, policymakers,

industry experts, and technology providers, fostering knowledge exchange, networking, and collaboration.

7.2 Educational Initiatives and Knowledge Sharing

SynGRID is committed to building capacity and fostering collaboration within the energy sector through targeted educational initiatives and knowledge-sharing activities. These efforts aim to strengthen the skills of researchers, innovators, and professionals, ensuring that they are equipped to handle the challenges of low-voltage grid management and renewable energy integration.

To promote knowledge sharing and foster collaborative research, SynGRID will facilitate a series of **researcher exchanges** among its partner institutions. These exchanges will involve both senior researchers and early-career professionals, including PhD students. The goal is to encourage direct collaboration, allowing participants to work on specific research tasks within SynGRID's focus areas, such as flexibility services, grid stability, and the integration of renewable energy sources. By participating in these exchanges, researchers will not only contribute to SynGRID's objectives but will also build a network of international contacts, enriching the European research community. These collaborations will lead to joint publications, shared methodologies, and a more cohesive approach to tackling the challenges of low-voltage grid management across Europe.

In addition to researcher exchanges, SynGRID will conduct targeted **training sessions** to provide hands-on knowledge and skills development. These training programs will focus on practical solutions, ensuring that participants can effectively implement innovative energy technologies and practices within their respective fields.

These planned activities and their corresponding outcomes, outlined in Table 5, will collectively enhance the capacity for energy innovation and foster collaboration among diverse stakeholders in the targeted regions.

Table 5: Quantifiable SynGRID outcomes with target stakeholders and KPIs

Main quantifiable SynGRID outcomes (the list is not exhaustive)	Target stakeholders*
A minimum of four project proposals involving the consortium partners 1x ERDF – I3, 1x INTERREG, 1x HE and 1x LIFE project proposal	Regional authorities, consortium
Minimum 3 joint research papers published in reputable journals/conferences per year	Academic community, research institutions, policymakers
Enhancement of the curriculum in 3 organisations from the project results, 3 lecturer exchanges on the topic of LV grid controllability and observability and 3 Summer Schools organised for students in participating countries with the focus on the future of power systems (one in each country)	Educational institutions, lecturers, students, young researchers and young professionals
4x one-month PhD researcher exchanges to exchange knowledge per partner	Research institutions, PhD researchers, academic advisors

Impact decision making of 5 authorities through 10 regional innovation activities in each country to present the R&I and exchange knowledge	Policymakers, regulatory authorities, regional agencies
3x SynGRID showcase event, yearly organised once in every country that gathers identified stakeholders where recent advancements of regional cooperation and innovation are presented	Industry partners, SMEs, regulatory authorities, academic community, consortium
6 Whitepapers and policy briefs created and published	Policymakers, regulatory authorities, SMEs, Industry partners, academic community

7.2.1 SynGRID summer schools

SynGRID will organize a series of annual summer schools aimed at educating and training researchers, students, and industry professionals in the field of low-voltage grid management and RES integration. These events will serve as immersive educational experiences, combining theoretical insights with practical applications to prepare the next generation of energy experts. The first summer school is scheduled to take place in Slovenia in April or May 2025, with subsequent summer schools to be held annually in each of the project's partner countries.

7.3 Clustering with EU Projects

As part of its commitment to fostering collaboration and amplifying its impact, SynGRID will actively engage in clustering activities with other EU-funded projects. These clustering efforts aim to create synergies by sharing knowledge, best practices, and research outcomes with projects that have similar goals and focus areas.

One of the first major networking events was the Coordinator's Day, held on the 6th of June in Brussels, where SynGRID representatives engaged with other project coordinators and stakeholders. This event, organized by the European Commission, provided an opportunity to establish connections with other EU-funded projects, discuss common challenges, and explore potential areas for collaboration. Such events are crucial for aligning SynGRID's objectives with broader European goals in the energy sector, ensuring that the project's outcomes are integrated into the larger framework of EU research and innovation.

Figure 16: Synergies Coordinators Day in Brussels

By participating in similar events and clustering activities, SynGRID aims to leverage shared resources, enhance the visibility of its innovations, and strengthen its position within the European research community. This collaborative approach is designed to maximize the project's influence, ensuring that its outcomes contribute to broader EU objectives in low-voltage grid management and renewable energy integration.

7.4 Publications

SynGRID will ensure that its research findings, technological advancements, and key outcomes are widely accessible through a series of targeted publications. The project will produce branded reports consolidating output deliverables, which will highlight best practices, successful case studies, and the lessons learned throughout the project.

In addition, SynGRID aims to publish at least three joint scientific papers per year in reputable peer-reviewed journals and conference proceedings. A preliminary list of target journals presented in Table 6 will be compiled and regularly updated as the project advances to ensure the research reaches the most relevant audiences.

To support open access and further dissemination, the SynGRID consortium will create a SynGRID community on ZENODO [8], a platform that allows for the upload, curation, and sharing of research data with other researchers and EU projects. This will ensure that SynGRID's findings are accessible to a wider network of professionals interested in low-voltage grid management and renewable energy integration. Moreover, bibliographic information and research data will be disseminated via OpenAIRE [9], an EU-supported initiative promoting Open Science.

Table 6: The list of relevant scientific journals

Relevant scientific journals
IEEE Transactions on Power Systems [15]
IEEE Transactions on Power Delivery [16]
IEEE Transactions of Smart Grids [17]
IET Generation Transmission and Distribution [18]
Electric Power Systems Research [19]
International Journal of Electrical Power & Energy Systems [20]
Renewable Energy [21]
Journal of Energy Storage [22]
Energy Research & Social Science [23]
Renewable & Sustainable Energy Reviews [24]
Applied Energy [25]
Energies (MDPI) [26]
Energy Policy [27]

7.4.1 Publication procedure

In order to coordinate the participation of partners in dissemination activities and conferences (local, national, on a European level) and to make sure the EC is aware of all the events, the following criteria should be met for all the SynGRID publications or events:

- Adequate time must be provided for reviewing and approving publications or events. Notifications should be sent at least 30 days prior to international events and 14 days prior to national events.
- Any partner in the consortium is permitted to publish their own results without prior permission. However, partners are required to notify the dissemination manager and comply with the EC requirements outlined below. While individual publications are allowed, joint publications that arise from collaboration between partners are encouraged to promote cooperative research.
- All notices or publications regarding SynGRID—including conference presentations, articles, or seminar materials—must specify that the project has received funding from the European Union, unless the European Commission indicates otherwise. This is crucial for maintaining transparency about the project's financial support.
- If a publication involves results shared by multiple partners, approval must be obtained from all relevant partners before proceeding with the publication. This ensures that shared intellectual property is handled fairly and respects each partner's contributions.
- Attendees at conferences should provide, where feasible, a copy of the conference proceedings or an appropriate extract to the WP5 leader. This will enable the dissemination manager to keep a comprehensive record of all presentations and publications associated with SynGRID.
- All dissemination and publication activities must adhere to the terms and conditions set out in the GA and the CA. These documents outline the obligations regarding intellectual property, confidentiality, and the dissemination of research results.

- The frequency and costs associated with conference attendance should be reasonable and in proportion to the project's scope and resources.
- Attendance at conferences or events outside of the European Union requires prior approval from the European Commission.

7.4.2 European dissemination channels

All official channels established by EU institutions will be used to disseminate the project's results. The following official EU dissemination channels will be targeted:

- Horizon Magazine [10]
- CORDIS portal [11]
- Research and Innovation success stories [12]
- Horizon Results Booster [13]
- Open Research Europe [14]

8 Measurable targets and KPIs

To measure the success of our dissemination and communication efforts, SynGRID has established a series of key performance indicators (KPIs). These KPIs encompass various targets, including social media growth, website engagement, and the number of workshops, conferences, and events organized. By closely monitoring these metrics, we can ensure that our activities remain on track and continue to deliver value throughout the project.

Table 7 presents the planned communication and dissemination activities with proposed monitoring indicators.

Table 7: The list of KPIs for monitoring communication and dissemination

Activity	KPI	Target	Scheduled	Current status
Project visual identity	Design and development of the project's logo (and brand book)	Fully developed	M3	✓
Website	Design and development of the project's website	Developed and published	M3	✓
	Regular updates of the website content	Continuous update	M3 – M36	ongoing
	Number of unique visitors per year	> 500 per year	M3 - M36	ongoing
Social media	Design and development of X and LinkedIn profiles	Fully developed social media accounts	M2	✓
	Regular updates of the social media regarding news, events, deliverable	Continuous update	M2 – M36	ongoing
	Number of followers	X > 300 IN > 400	M2 – M36	ongoing
Promotional package and dissemination material	Number of newsletters	2 newsletters per year		
	Factsheets	2	M6 – M36	1
	Roll-up	1	M6	✓
	Number of presentation videos	2	M12, M24	
	Number of brochures	100 publications per item	M12	
	Number of Online campaigns	5	M1 – M36	
	Number of Press releases	5	M1 – M36	
Participation in conferences/ and events	Number of conferences or events attended by partners	8	M36	

Summer schools	Number of organized Summer Schools	3	M12, M24, M36
SynGRID showcase events	Number of SynGRID events	3	M12, M24, M36
Joint research papers	Number of joint papers	3	M1 – M36
Whitepapers	Number of Whitepapers and policy briefs	6	M1 – M36
Workshops	Number of DSO, TSO workshop	6	M1 – M36
	Number of SMEs and energy service providers workshop	4	M1 – M36
	Policy-focused roundtable discussions	3	M1 – M36

8.1 Communication and dissemination tracker

To evaluate the effectiveness of SynGRID's dissemination and communication activities and measure their impact, all partners are required to document the activities they undertake. To facilitate this process, dedicated tools will be used to track and record all activities. SynGRID's communication and dissemination operations are monitored using a project-specific method, guided by a set of Key Performance Indicators (KPIs) that encompass all aspects of these activities. Excel and Word templates for tracking events and publications have been created by IRI and distributed to all project partners. As a result:

- All partners are expected to adhere to the established dissemination and communication protocols.
- Partners are encouraged to record their activities in the designated dissemination and communication reporting document, available in the SynGRID project's repository.
- Each partner is responsible for keeping detailed records of their activities, which should encompass documents, presentations, posters, photos, videos, social media posts, and any other pertinent materials.
- Regular monitoring of these activities will enable an assessment of the execution and timeliness of the dissemination plan, helping to identify which actions have had the most significant impact on stakeholders. Both quantitative and qualitative evaluations will be conducted, with findings included in periodic reports and deliverables, such as D5.1, D5.2, and D5.3.

9 Exploitation strategy

The SynGRID project's exploitation strategy is designed to maximize the impact of its research, technological innovations, and policy recommendations, ensuring sustainability and relevance beyond the project's completion. This strategy involves leveraging project outcomes across academic, industrial, and policy domains, capitalizing on the consortium's diverse strengths, and aligning with EU goals for sustainable energy transition. The primary goal of an exploitation plan is to ensure that the project's results are effectively utilized, sustained and leveraged for the greatest possible advantage.

The exploitation strategy empowers each consortium partner to formulate distinct and collaborative strategies for the SynGRID project's results. Unique characteristics of research institutions possess distinct features in terms of exploitation. Being non-profit academic entities, their focus lies not in commercial exploitation of project benefits but rather in utilizing these benefits to enhance their reputation for excellence and to boost their engagement in internal research initiatives.

The SynGRID exploitation strategy focuses on several concrete objectives to ensure the effective utilization of project outcomes. These goals include:

- **Writing and submitting four new project proposals:** Using insights gained from SynGRID to prepare and submit four comprehensive project proposals. These will concentrate on areas such as low-voltage grid management, renewable energy integration, and grid flexibility, targeting funding opportunities that align with the EU's energy transition goals.
- **Developing policy briefs:** Drafting concise policy briefs based on SynGRID's findings, aimed at informing regulatory authorities and fostering policy adjustments that favour advanced grid management and renewable energy integration.
- **Organizing stakeholder workshops:** Hosting workshops with industry leaders, policy-makers, and academic experts to share project results, facilitate dialogue, and encourage collaborative innovation in grid management.
- **Publishing joint research papers:** Producing collaborative research papers that disseminate key findings from the project. These publications are intended to stimulate further research and establish SynGRID as a significant contributor to the field of energy systems.
- **Expanding pilot models:** Scaling the successful methodologies and technologies tested in SynGRID's pilot sites to additional locations, thereby supporting regional energy transition efforts and enhancing grid flexibility.

Initial key exploitable results (KERs) for each partner were identified to engage stakeholders effectively in the exploitation activities. The emphasis will be on policy briefs, validation outcomes, and valorisation through collaborative project proposals and academic publications. This collaborative effort aims to disseminate SynGRID's findings, unite the consortium's strengths, and attract a wider audience. Additionally, the joint research papers are expected to stimulate further exploration, while insights gained from WP4 deliverables—specifically from D4.1 (Policy Recommendations for Regulatory Authorities & Market Needs and Technology Trends for Industry and SMEs)—will be shared with key stakeholders. This knowledge sharing is anticipated to spark further discussions, workshops, and related activities.

9.1 Exploitation approach by partner type

1. Advancing educational excellence and research capacity, FERIT

Exploitation objective: FERIT will leverage the outcomes of SynGRID by incorporating the project's findings into its educational programs to train the next generation of engineers.
KER: Enhanced methodologies for managing low-voltage grids that prioritise the integration of renewable energy sources and EV charging stations while emphasizing power system flexibility.
Approach: Curriculum Development: FERIT will incorporate the results into a new curriculum that will address the power system flexibility. The new course will be integrated in the graduate level studies programme of Electrical Engineering.
Expected impact: Improved training of future energy engineers, enhancing their skills in the field of power system flexibility.

2. Enhancing project proposal success, FER

Exploitation objective: FER will exploit SynGRID outcomes by applying the most important lessons learnt in identifying relevant calls and preparing project proposals.
KER: Experience with proposals, participation and coordination in successful proposals in the field of managing low-voltage grids.
Exploitation approach: FER will incorporate the results of the project and lessons learnt into the current standard used when preparing project proposals. This will lead to easier identifying relevant calls for the projects with the scope of low-voltage grid observability and manageability and more successful preparation of proposals.
Timeline:

- Year 2: Integrating experience and suggestions shared by SynGRID partners into the University's practice of the project proposals.

Expected impact: Creating a project-friendly environment in which gained experience will be shared with other interested parties and ensuring the knowledge transfer on the topic of preparing project proposals.

3. Facilitating industry collaboration and effective dissemination, IRI

Exploitation objective: To facilitate the transfer of SynGRID's outcomes to industrial stakeholders and to improve dissemination activities for the adoption of grid innovations.
KER: Expertise in technology transfer and stakeholder engagement.
Approach: Utilize SynGRID's outcomes to refine methods for identifying industry partners and integrating innovative technologies. This involves tailored communication efforts through workshops, publications, and events.
Timeline:

- Year 1: Focus on identifying key industry stakeholders for technology transfer.
- Year 2: Integrate best dissemination practices from SynGRID.
- Year 3: Evaluate technology transfer effectiveness and adjust future dissemination strategies.

Expected impact: Enhanced industry adoption of new technologies, more effective communication strategies, and strengthened partnerships with research institutions.

4. Expanding pilot models for broader implementation, PET

Exploitation objective: To replicate pilot models across multiple sites to support energy flexibility on a larger scale.

KER: Established methodologies from successful pilot sites that improve grid resilience and energy flexibility.
Approach: Extend SynGRID's successful pilot practices to other locations, aiming for similar outcomes and alignment with sustainability goals.
Timeline:

- Year 1: Select additional locations for pilot replication.
- Year 2: Implement and monitor these locations.
- Year 3: Evaluate and refine the models for broader application.

Expected impact: Support regional energy transition, improve grid flexibility, and contribute to sustainability objectives.

5. Advancing technological innovations and research impact, ICCS

Exploitation objective: ICCS aims to capitalize on SynGRID's technological outcomes to drive innovation in grid management and enhance its research influence in the energy sector.
KER: Expertise in advanced communication systems and integration of renewable energy solutions.
Approach: ICCS will focus on applying SynGRID's results to enhance the management of low-voltage grids, with an emphasis on improving observability and controllability. This will involve active participation in the creation of new technological solutions and contributing to future project proposals.
Timeline:

- Year 1: Integrate SynGRID's technological insights into ongoing research projects.
- Year 2: Develop new solutions for low-voltage grid observability based on SynGRID findings.
- Year 3: Apply these innovations to future proposals, aiming for technological advancements in grid flexibility.

Expected impact: Strengthened position as a research leader in grid management technologies, increased involvement in collaborative projects, and enhanced visibility in the European research landscape.

By strategically targeting these key areas, the SynGRID consortium will ensure that the project's outcomes are not only disseminated effectively but also translated into concrete actions by each partner, tailored to their specific strengths and areas of influence.

10 Conclusions

The SynGRID project has established a framework for the DEC, which is essential for advancing innovation in low-voltage grid management and renewable energy integration. The strategy emphasizes the importance of collaboration among diverse stakeholders, including industry, academia, policymakers, and the general public. Through targeted engagement and clear communication, SynGRID aims to foster regional capacity building and influence policy development, creating a supportive environment for sustainable energy solutions.

Continued developments will involve refining dissemination efforts based on ongoing feedback and tracking against established KPIs. The focus will be on scaling up successful methodologies, enhancing stakeholder engagement, and solidifying SynGRID's impact in the energy sector. Lessons learned highlight the value of early and sustained communication efforts, as well as the need for flexible strategies that adapt to emerging opportunities and challenges in energy transition efforts.

The document concludes with a commitment to leveraging project outcomes beyond its duration, ensuring long-term benefits for research, industry, and regional policy frameworks in Widening countries. An updated version of this plan, D5.2, will be released in M30, incorporating insights gained from the project's progress and adjusting strategies as needed.

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11.2 Acronyms

Acronyms list	
CA	Consortium Agreement
D	Deliverable
DEC	Dissemination, exploitation and communication
DSO	Distribution System Operator
EC	European Commission
EU	European Union
GA	Grant Agreement
HE	Horizon Europe
GDPR	General data protection regulation
H2020	Horizon 2020
JRC	Joint Research Centre

KER	Key Exploitable Results
KPI	Key Performance Indicator
LV	Low-voltage
M	Month
PO	Project officer
R&I	Research and Innovation
RES	Renewable Energy Sources
SME	Small and Medium-sized enterprise
SRI	Socially Responsible Investors
TSO	Transmission system operator
WP	Work package