



*Establishment of a FramewORk for Transforming current
EPES into a more resilient, reliable and secure system all
over its value chain*

D6.6 Communication and Dissemination Plan

Final version



Document details

Deliverable no	D6.6
Deliverable name	Communication and Dissemination Plan. Final version
Version	1.0
Release date	25/08/2026
Type	R
Dissemination level	PU
Status	Final version
Author	SIN – Salima Ismayilzada



DISCLAIMER OF WARRANTIES

This document has been prepared by eFORT project partners as an account of work carried out within the framework of the EC-GA contract no. 101075665.

Neither Project Coordinator, nor any signatory party of eFORT Project Consortium Agreement, nor any person acting on behalf of any of them:

- a) makes any warranty or representation whatsoever, expressed or implied,
 - I. with respect to the use of any information, apparatus, method, process, or similar item disclosed in this document, including merchantability and fitness for a particular purpose, or
 - II. that such use does not infringe on or interfere with privately owned rights, including any party's intellectual property, or
 - III. that this document is suitable to any particular user's circumstance; or
- b) assumes responsibility for any damages or other liability whatsoever (including any consequential damages, even if the Project Coordinator or any representative of a signatory party of the eFORT Project Consortium Agreement has been informed of the possibility of such damages) resulting from your selection or use of this document or any information, apparatus, method, process, or similar item disclosed in this document.

This work has been Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or European Climate, Infrastructure and Environment Executive Agency (CINEA). Neither the European Union nor the granting authority can be held responsible for them.



Document history

Version	Date of issue	Content and changes	Edited by
0.6	01/06/2025	Table of Contents	SIN
0.7	28/07/2025	First Draft Version	SIN
0.8	30/08/2026	Peer Reviewed	RINA-C
0.9	13/08/2026	Second Draft Version	SIN
1.0	25/08/2026	Final Version	SIN & CIRCE



Table of Contents

Executive summary	8
1 Introduction	9
1.1 Purpose of the document.....	9
1.2 Structure of the report	10
2 Project communication & dissemination strategy	11
2.1 Key C&D objectives	12
3 Internal procedures	14
3.1 Communication Board	14
3.2 Distribution and monitoring of C&D activities	14
4 Tools, channels, and activities	16
4.1 Website.....	16
4.1.1 Traffic Overview	17
4.1.1.1 Website Visits and User Engagement.....	17
4.1.1.2 Traffic Sources and Acquisition Insights.....	19
4.2 Social media	20
4.2.1 LinkedIn	20
4.2.2 X	22
4.3 Press kit & printing materials.....	23
4.4 Press Releases.....	24
4.5 Scientific and technical publications	26
4.6 Videos and Podcasts	29
4.7 Newsletter.....	31
4.8 Events, workshops, and conferences.....	32
5 Evaluation and KPIs	38
6 Conclusion.....	39
References	40
ANNEXES	41



List of figures

Figure 1: The Lasswell model of communication.....	11
Figure 2: Communication and dissemination objectives	12
Figure 3: D&C Monitoring and Reporting	15
Figure 4: Content Creation Schedule	15
Figure 5: eFORT website	16
Figure 6: Website users	18
Figure 7: Website pageviews	18
Figure 8: Session start metric	19
Figure 9: Default channel group	19
Figure 10: Impression rate M24-M36	21
Figure 11: Impression rate M36-M48	21
Figure 12: Follower demographic.....	22
Figure 13: X Impressions	22
Figure 14: Project PPT.....	23
Figure 15: eFORT Introduction Video	30
Figure 16: Visit to Italian demo site (LINKS).....	36
Figure 17: Visit to Spanish demo site (CUERVA).....	36
Figure 18: Visit to Dutch demo site (TUD).....	37

List of tables

Table 1: Press Releases.....	25
Table 2: Scientific and Technical Publications.....	29
Table 3: eFORT videos.....	31
Table 4: Event Participation	34
Table 5: Event Organization.....	34
Table 6: Demo Site workshops	35
Table 7: KPI List (target vs M48).....	38
Table 8: Target Audience.....	41



Abbreviations and Acronyms

Acronym	Description
C&D	Communication & Dissemination
DoA	Description of Action
DOI	Digital Object Identifier
EPES	Electrical Power and Energy Systems
GA	Grant Agreement
HV	High Voltage
IoT	Internet of Things
KER	Key Exploitable Result
KPI	Key Performance Indicator
LV	Low Voltage
RTU	Remote Terminal Unit
MV	Medium Voltage
TSO	Transmission System Operator
WP	Work Package



Executive summary

This deliverable presents the final assessment of the communication and dissemination activities implemented within the eFORT project during the reporting period from M24 to M48. Building upon the initial Communication and Dissemination Plan (D6.4) and its intermediate update (D6.5), the report evaluates the implementation of the project's communication strategy and its contribution to increasing the visibility, awareness and impact of eFORT among its target audiences. The assessment is based on the communication actions carried out throughout the project and their performance against the defined communication objectives and key performance indicators.

Throughout the project, a comprehensive range of communication and dissemination activities was implemented to engage stakeholders from academia, industry, policy, energy utilities and the wider public. These activities included maintaining the project website, managing social media channels, producing newsletters, press releases, videos and communication materials, publishing scientific and non-technical articles, organising workshops and demonstration activities, and participating in national and international events. Together, these actions ensured continuous dissemination of project developments, demonstration results and key achievements while supporting collaboration with related European initiatives.

The communication strategy evolved alongside the different phases of the project. Initial activities focused on raising awareness and establishing the project's identity, followed by increased stakeholder engagement through demonstration activities and collaborative events. During the final phase, communication efforts concentrated on disseminating validated project results, promoting demonstration site outcomes and supporting the long-term visibility and uptake of the project's innovations. This phased approach ensured that communication activities remained aligned with the project's technical progress and evolving dissemination needs.

Overall, the results presented in this deliverable demonstrate that the communication and dissemination objectives defined for eFORT were successfully achieved. The project established a strong and consistent communication presence, reached its intended stakeholder groups through a variety of complementary channels, and created a lasting collection of communication assets that will continue to support the visibility and accessibility of eFORT results beyond the project's completion.



1 Introduction

The EU-funded eFORT project is dedicated to the urgent modernization of European Electrical Power and Energy Systems (EPES) to address contemporary societal and environmental challenges. The modernization of the grids is critical to ensure their future security, reliability, and resilience in the face of extreme weather events, human-induced hazards, and equipment failures. Anticipated outcomes of this modernization include a reduction in the frequency and duration of power outages, mitigation of the impact of disruptive events, and expedited restoration of services during outages.

eFORT tackled these complex challenges by developing an integrated set of tools and strategies, encompassing software, hardware, standardization, and regulatory frameworks. These solutions were implemented and tested at four pilot sites:

- A DSO micro-grid in Spain
- A pan-European transmission-level system in the Netherlands
- A remote distribution grid in Italy
- A digital substation in Ukraine

Each demonstration site was strategically selected to represent different geographical areas and to address various aspects of grid resiliency, thus covering multiple segments of the value chain.

1.1 Purpose of the document

This deliverable presents the final assessment of the communication and dissemination activities implemented throughout the eFORT project, covering the reporting period from M24 to M48. Building upon the Communication and Dissemination Plan (D6.4) and its updated version (D6.5), the report evaluates how the planned objectives were translated into practice and examines the overall effectiveness of the communication and dissemination strategy. The assessment is based on project achievements, stakeholder feedback, and key performance indicators (KPIs), providing a comprehensive overview of the project's communication and dissemination performance during the final project year.

The report is closely aligned with Task 6.2 (Communication and Dissemination Plan), Task 6.3 (Communication and Dissemination Actions), and Task 6.7 (Exploitation of Synergies with Other Projects and Initiatives, including BRIDGE). By bringing together the outcomes of these tasks, the document demonstrates how communication and dissemination activities contributed to increasing the visibility of the project, engaging relevant stakeholders, strengthening collaboration with related initiatives, and maximising the overall impact of the project results.



1.2 Structure of the report

The report is organised into six chapters that provide a structured overview of the project's communication and dissemination activities and their outcomes. Following this introductory chapter, Chapter 2 presents the communication and dissemination strategy, describing the overall approach and the objectives that guided communication activities throughout the project.

Chapter 3 outlines the internal communication and coordination processes, including the operation of the Communication Board and the monitoring mechanisms used to plan, track and report communication activities. Chapter 4 reviews the communication and dissemination actions implemented during the project and evaluates the performance of the different communication channels and tools up to M48. Chapter 5 presents the key performance indicators (KPIs), measuring the effectiveness and reach of the implemented activities against the project's communication objectives. Finally, Chapter 6 summarises the main conclusions, highlighting the overall achievements, lessons learned and the communication legacy established by the project.



2 Project communication & dissemination strategy

Before delving into the detailed evaluation and reporting of Dissemination and Communication activities by M48, it is crucial to highlight the primary objectives of the Communication and Dissemination strategy.

Initially outlined in D6.4 “Communication and Dissemination Plan. Initial version”, this strategy was established on the principles of the Lasswell model of communication (Lasswell, 1948), as shown in Figure 1. This approach ensures that communication efforts are tailored to meet the project's needs and that resources are utilised effectively by serving two main purposes:

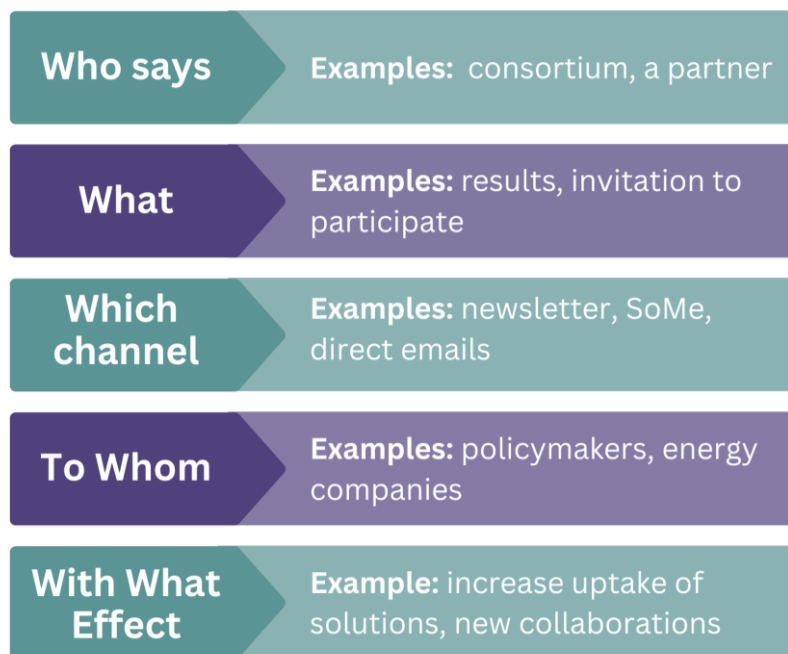


Figure 1: The Lasswell model of communication

Firstly, the strategy acts as a comprehensive guide for project participants and consortium members by assisting them in effectively presenting the project and engaging with diverse audiences during speeches, presentations, and events. Such a strategic approach guarantees that all communications are coherent and resonate with the intended audience, thereby amplifying the project's impact.

Secondly, the strategy aims to increase awareness, engage relevant stakeholders, support the exploitation and replication of project outcomes, influence policy-making, and foster networking within the sector. Besides targeting direct beneficiaries and stakeholders, the strategy aims to reach the media and the general public to enhance the visibility of this EU funded initiative.



2.1 Key C&D objectives

In line with these principles, the strategy identifies three specific Communication and Dissemination objectives, tailored to different phases of the project timeline.

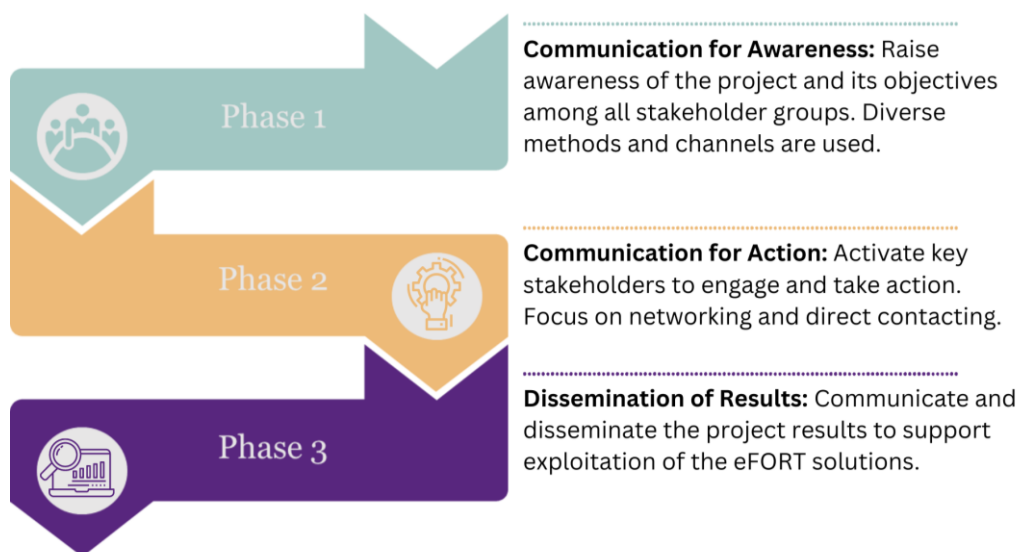


Figure : Communication and dissemination objectives

1. Communication for awareness

In the initial two years, efforts focused on raising awareness about the eFORT project. The goal was to inform key stakeholders about the project's objectives, scope, and planned activities, thereby laying a strong foundation for future engagement. A variety of communication tools were employed, including a dedicated website, newsletters, social media channels, event participation, printing materials, etc. Information was tailored to ensure scientific and technical results were understandable to non-technical audiences. These activities also facilitated the formation of crucial connections with stakeholders whose input and influence are vital for the project's success.

2. Communication for action and engagement

During the third year, the emphasis shifted to showcasing the materials developed and creating new content to maintain stakeholder engagement. Demonstration sites became pivotal in this phase, serving as tangible examples of the project's advancements. The initial project results were shared with specific audiences through targeted communication strategies. Key activities included organizing workshops, engaging in networking with crucial stakeholders, collaborating with other Horizon Europe projects, and highlighting the demonstration sites. These efforts were designed to sustain interest and involvement from all stakeholders.

3. Dissemination of results

In the project's final year, the focus was on disseminating the project's results and ensuring its sustainability beyond the funding period. Strategies were developed to facilitate market entry and replication of the project's solutions. This phase aimed to solidify the project's impact and relevance, ensuring that the achievements and innovations of the eFORT project could be sustained and expanded in the long term. The eFORT C&D objectives and phases are illustrated above in Figure 2.



3 Internal procedures

3.1 Communication Board

As outlined in the initial Communication and Dissemination Plan (D6.4), the eFORT project established a Communication Board to coordinate and support the implementation of communication and dissemination activities across the consortium. The board brought together one or two designated representatives from each project partner, creating a structured network for sharing information, coordinating activities, and ensuring that communication efforts remained aligned throughout the project. Regular quarterly meetings provided a platform to review progress, discuss upcoming priorities, exchange feedback, and strengthen collaboration between partners.

The Communication Board played a central role in the development and delivery of project communication activities. Its responsibilities included

- Contributing to the writing and editing of articles for the eFORT project newsletters.
- Keeping the events list up to date, covering international, national, and local events to ensure clear oversight of participant involvement and timely preparation of communication materials.
- Supplying content to the C&D leader for publication on the project's website, newsletters, and social media channels, following the established Content Creation Schedule and Guideline.
- Providing feedback and insights for the creation of visual materials for the project.
- Collaborating on the development of scripts for project videos and other similar content.

This collaborative approach ensured that communication reflected the expertise and activities of the entire consortium while maintaining a consistent project identity and messaging.

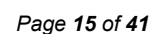
3.2 Distribution and monitoring of C&D activities

To support efficient coordination and monitoring, a set of practical management tools was maintained throughout the project. These included annual Content Creation Schedule, a simplified Content Creation Guideline, and a Monitoring file covering events, scientific publications and the other communication and dissemination activities. The schedule provided a clear overview of planned communication activities, while the guideline helped ensure consistency in content development across partners. Continuous updates to the monitoring files enabled systematic tracking of dissemination activities, facilitated reporting, and supported timely preparation of communication materials throughout the project lifecycle.



Figure 2: D&C Monitoring and Reporting

Figure 3: Content Creation Schedule



4 Tools, channels, and activities

A broad range of communication and dissemination tools was used throughout the project to engage diverse stakeholder groups and maximise the visibility of eFORT and its results. By combining digital channels, communication materials, events, scientific dissemination, and outreach activities, the project ensured that key messages reached relevant audiences in an effective and timely manner. This section presents an overview of the communication and dissemination activities implemented up to M48, highlighting how different tools and channels contributed to increasing project awareness, stakeholder engagement, and the overall impact of project outcomes.

4.1 Website

The eFORT website, accessible at [www.efort-project.eu], served as the project's central communication and dissemination platform throughout its lifetime, providing stakeholders and external audiences with easy access to project information and results. In addition to presenting the project's objectives, methodologies, consortium, demonstration sites and public deliverables, the website functioned as a continuously updated source of information on project activities and achievements. Following the initial website design and structure described in D6.4, further improvements were introduced during the project to enhance navigation, expand available content and improve the overall user experience.

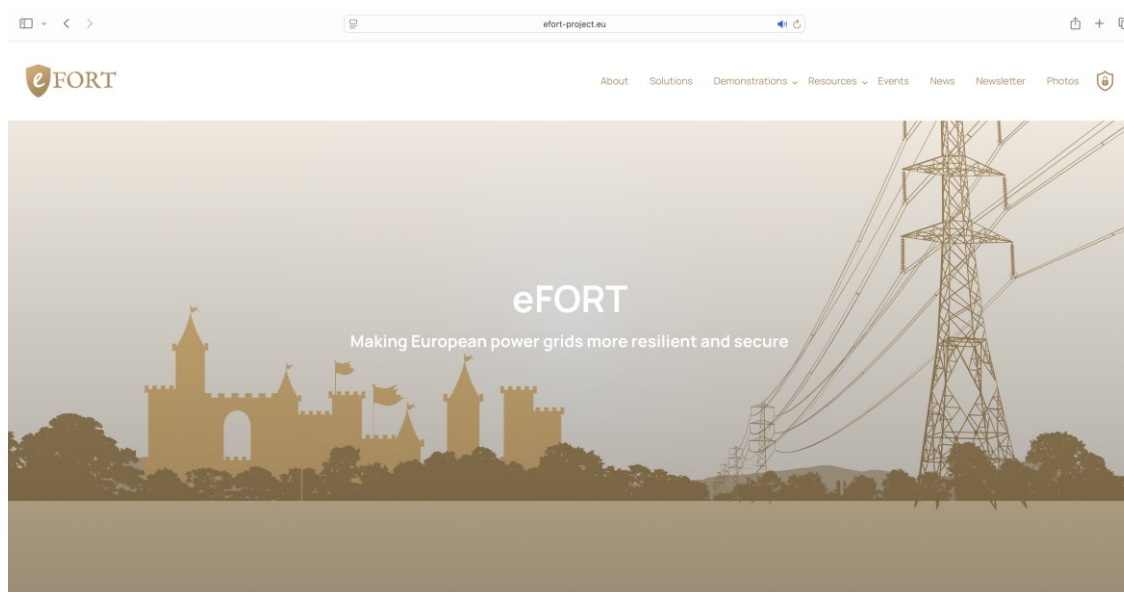


Figure 4: eFORT website

Several updates were made to the website structure to better organise project information and support long-term access to communication materials. New dedicated pages were introduced, including:

- **Events:** providing information about upcoming events organised by or involving the eFORT consortium, while also serving as an archive of past project events.



- *Photos*: showcasing photographs from the demonstration sites and creating a central media library that can be used by partners, media representatives and other external stakeholders.

Existing sections were also significantly expanded to reflect the project's progress and final outcomes:

- *Deliverables and Scientific Publications*: These pages were updated to provide a comprehensive overview of public deliverables (both pending and approved documents), summaries of sensitive deliverables and published scientific articles produced within the project.
- *Demonstrators Subpages*: Each eFORT Demonstrator subpage was revised to include the final results, presenting the objectives, implemented solutions, expected impacts and achieved outcomes of the individual demonstration sites.

These continuous updates ensured that the website remained an accurate, accessible and reliable source of information throughout the project.

4.1.1 Traffic Overview

The eFORT website, integrated within the SIN multisite WordPress platform, utilizes the SIN Google Analytics account for performance monitoring. Analysis of Google Analytics data up to M48 provides comprehensive insights into user interactions and engagement with the site. While the website was launched in M6, significant user engagement began in M12 following the completion of the initial planning phase and the start of the project's initial enhancements.

4.1.1.1 Website Visits and User Engagement

Google Analytics data collected between M6 and M48 demonstrates steady user engagement with the website. During this period, the website attracted approximately 2.6K active users (Figure 5), reflecting its ability to reach stakeholders interested in the project's activities and results. Monitoring the number of active users provides a valuable indication of the website's overall reach and the effectiveness of communication efforts in attracting new and returning visitors.

User interaction with the website is further reflected in the 11K pageviews (Figure 6) recorded during the reporting period. This figure includes all page visits, repeated views, and navigation across different sections of the website, indicating that visitors explored a broad range of project content. The high number of pageviews compared to the number of active users suggests continued interest in the information made available through the platform.



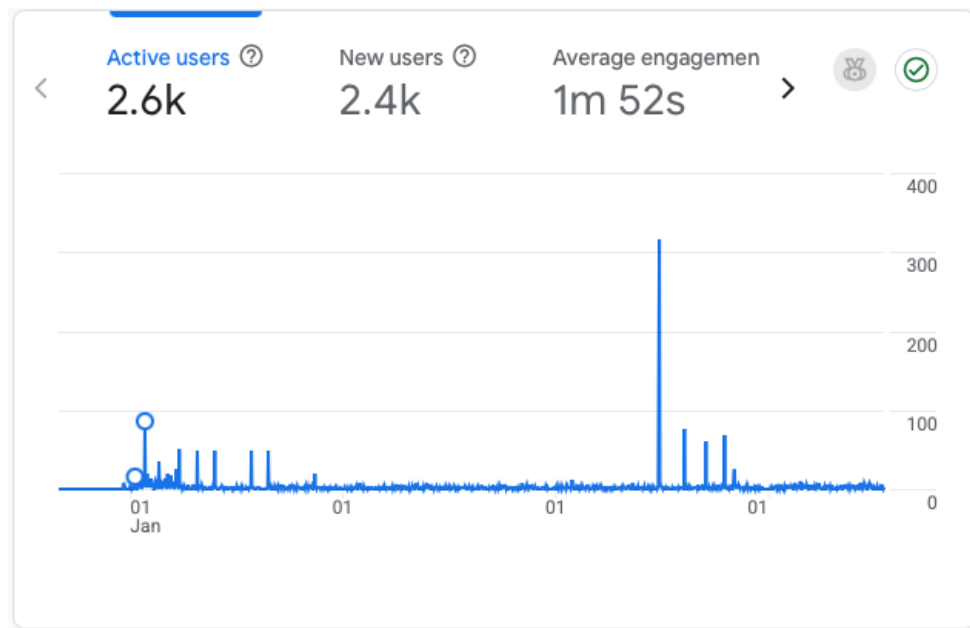


Figure 5: Website users

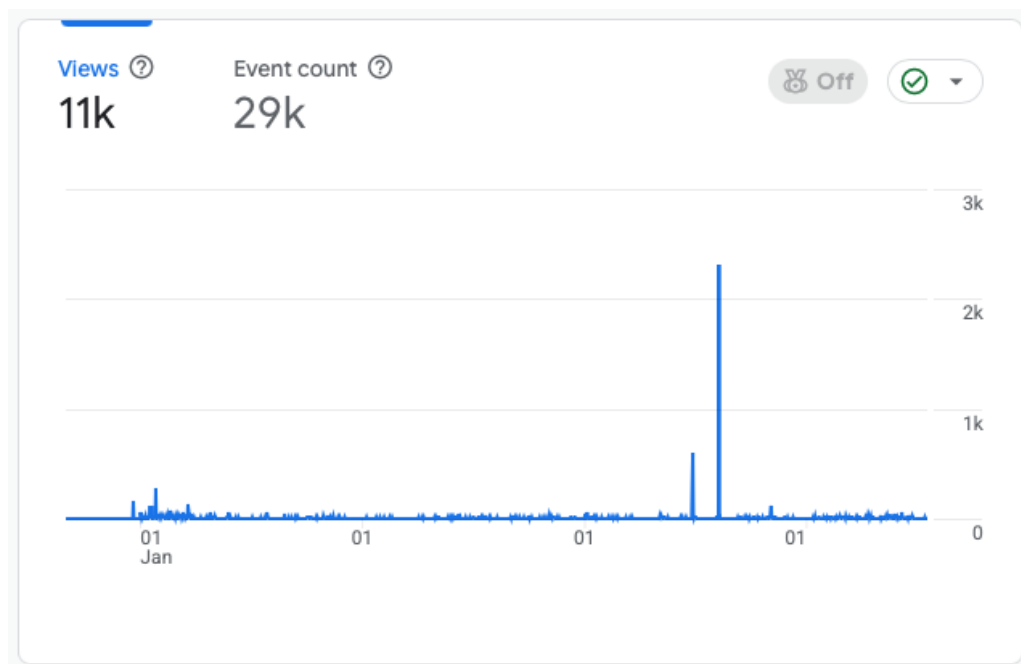


Figure 6: Website pageviews

Visitor behaviour also indicated a consistent level of engagement with the published content. From M6 to M48, users initiated an average of 4.4 sessions per user (Figure 7), suggesting that many visitors returned to the website on multiple occasions. The average engagement time of 1 minute and 52 seconds (see Figure 5) per visit further demonstrates that visitors spent sufficient time exploring project information, reflecting meaningful interaction with the website rather than brief visits alone.



Figure 7: Session start metric

4.1.1.2 Traffic Sources and Acquisition Insights

Understanding the origins of website traffic is crucial for assessing the effectiveness of communication strategies. Google Analytics acquisition data shows that the majority of website traffic originated from Direct and Organic Search sources (see Figure 8). This indicates that the website was successfully reaching both returning visitors who were already familiar with the eFORT project and new users actively searching for information related to the project's topics. Analysing traffic sources provides valuable insight into how audiences discover the website and helps evaluate the effectiveness of communication and outreach activities.

The strong contribution of Direct traffic reflects continued interest from users accessing the website through saved links or by entering the web address directly. At the same time, the high share of Organic Search traffic demonstrates the importance of maintaining good search engine visibility, enabling the website to reach audiences looking for relevant information through search engines. Together, these traffic sources contributed to expanding the project's online visibility and supporting the dissemination of project results.

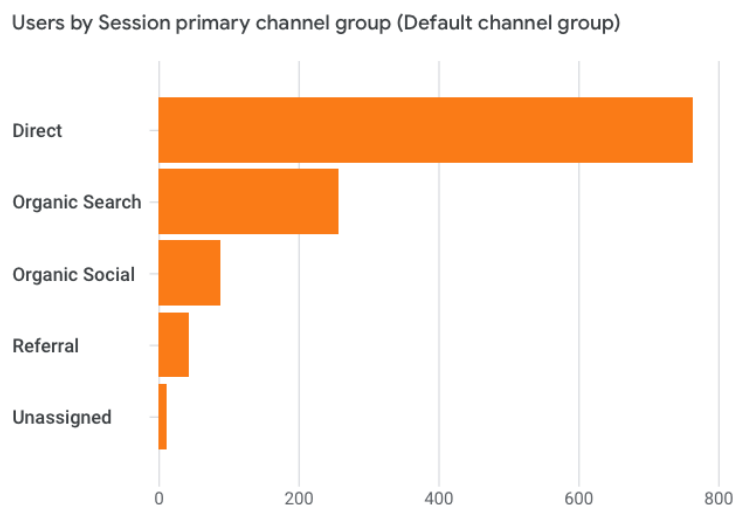


Figure 8: Default channel group



Overall, the analysis of website traffic and user engagement between M6 and M48 provides a clear picture of the website's performance and audience behaviour. The collected data demonstrates that the website successfully served as a central source of project information while providing useful insights into visitor engagement and content reach.

4.2 Social media

Social media played a key role in increasing the visibility of the eFORT project and promoting its activities, results and achievements to a wide range of stakeholders. The overall approach, established in the Communication and Dissemination Plan (D6.4) and further implemented through periodic reporting, relied on active collaboration within the Communication Board. This coordinated effort supported the continuous collection, review and publication of project-related content, helping to maintain a consistent and engaging online presence throughout the project.

To support coordinated communication, dedicated Content Creation Schedules were prepared for both January 2025 (M29) and January 2026 (M41), covering the activities planned for the project's final years. The schedule assigned each consortium partner regular responsibility for providing communication content, including project updates, event announcements, milestones and other noteworthy developments. Submitted content was compiled and prepared for publication through the project's social media channels, ensuring a structured communication workflow and regular dissemination of project news. In addition, Communication Board members were notified whenever new social media posts were published, helping to increase visibility and encourage further engagement through partner networks.

It should be noted that the performance analysis presented in this section covers the period from M24 to M48 only. Due to LinkedIn's data retention policy and the updated data policy introduced by X (formerly Twitter), historical account and post-performance data from before 1 August 2024 (M24) is no longer available. Consequently, earlier social media performance is not included in this report and has instead been documented in the Communication and Dissemination Plan, Intermediate Version (D6.5).

4.2.1 LinkedIn

During the M36 to M48 period, LinkedIn remained the project's primary social media channel for communication and dissemination activities. The eFORT LinkedIn page, which is available under URL, <https://www.linkedin.com/company/efort-project/>, served as the main platform for sharing project news and engaging with professional audiences. Content published throughout this period included project milestones, news articles, newsletters, event announcements and participation, as well as updates on key project activities and achievements.



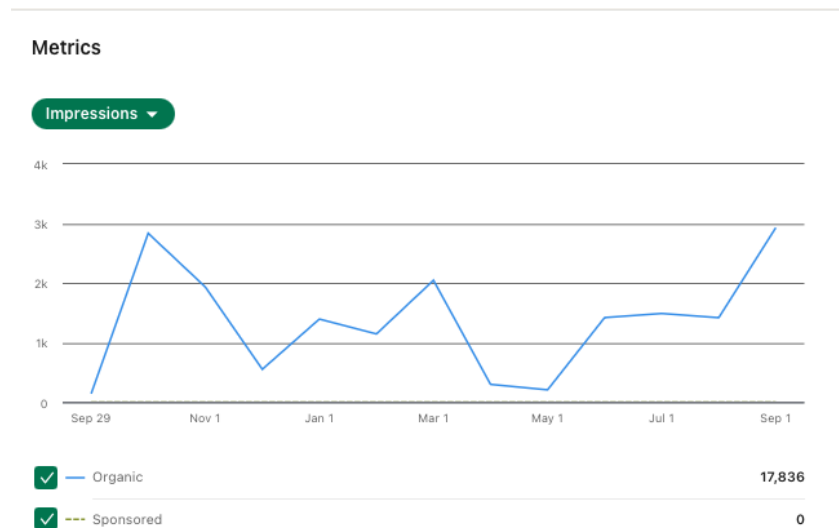


Figure 9: Impression rate M24-M36

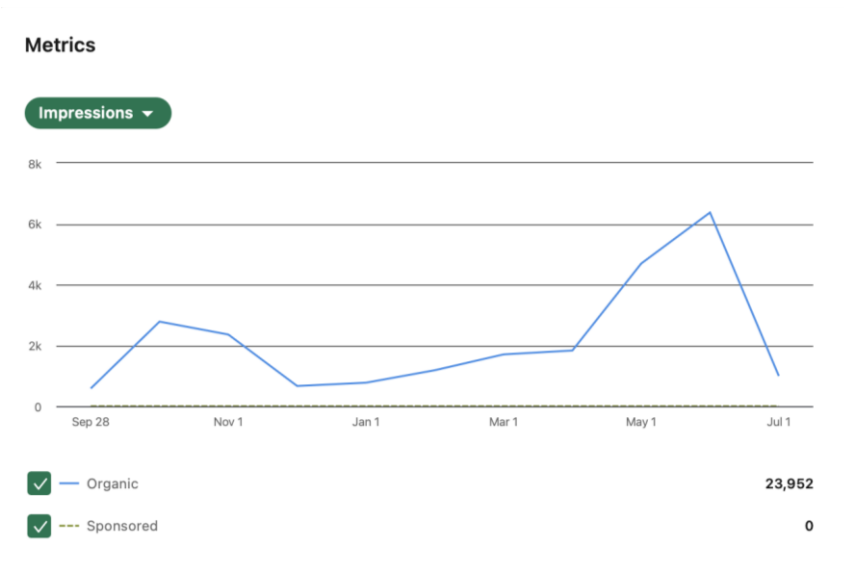


Figure 10: Impression rate M36-M48

By the end of M48, the LinkedIn page had reached 418 followers, reflecting continued growth of the project's online community. A total of 88 posts were published between M24 and M48, generating strong visibility with 41788 impressions during the reporting period. These results demonstrate the platform's important role in increasing awareness of the project and extending the reach of its communication activities.



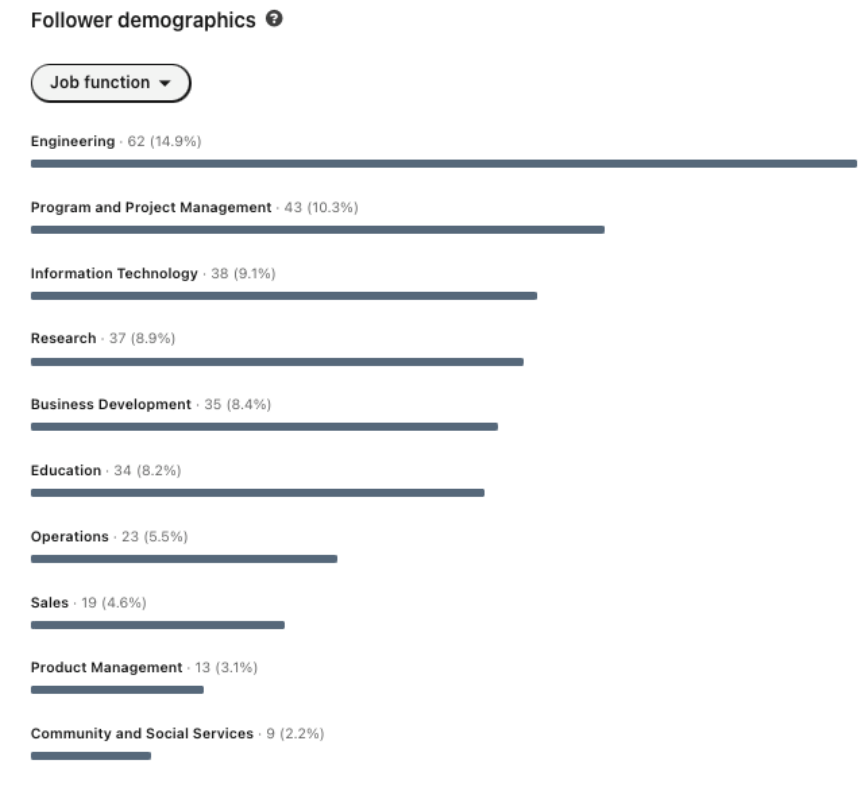


Figure 11: Follower demographic

The LinkedIn audience primarily consisted of professionals working in engineering, project management, information technology and research. This profile closely matched the target stakeholder groups identified in D6.4 (Annex I), confirming that the selected communication approach successfully reached the intended professional communities and supported the dissemination of project results to relevant audiences.

4.2.2 X

Alongside LinkedIn, X (formerly Twitter) served as an additional communication channel for sharing project updates and increasing the visibility of eFORT among a broader online audience. The eFORT project's X page, accessible here (<https://twitter.com/EfortProject>), was used to communicate project news, highlight activities and promote key outputs, complementing the project's overall digital communication strategy.



Figure 12: X Impressions



Between M24 and M48, a total of 82 posts were published on X, generating 1551 impressions. Although audience engagement on X was lower than on LinkedIn, the platform contributed to extending the reach of project communications by providing an additional channel for disseminating news and maintaining visibility across different online communities.

The combined use of LinkedIn and X strengthened the project's social media presence throughout the implementation period. Together, these platforms supported the timely dissemination of project developments, promoted major achievements and events, and helped maintain regular communication with stakeholders and interested audiences. This coordinated approach increased the overall visibility of eFORT and reinforced the role of social media as an important component of the project's communication and dissemination activities.

4.3 Press kit & printing materials

The eFORT press kit was developed as a comprehensive collection of communication resources to support consistent promotion of the project across a wide range of dissemination activities. It included a project presentation, roll-up banner, leaflet, written identity and key messages, a press release, a frequently asked questions (FAQ) document, and a library of copyright-free photographs which is available on the project website: <https://efort-project.eu/communication-materials/>. Together, these materials provided partners with ready-to-use resources for communicating the project's objectives, activities and achievements at national and international events, meetings and media engagements.



Figure 13: Project PPT

By providing a consistent set of communication materials, the press kit helped ensure that project information was presented in a clear, accurate and coherent way across all communication channels. The availability of both printed and digital resources supported



effective outreach throughout the project and contributed to strengthening the visibility and recognition of the eFORT project among its target audiences.

4.4 Press Releases

Press releases played an important role in increasing the visibility of the eFORT project and communicating its progress to external audiences. In line with the target defined in the Description of Action (DoA), the project aimed to publish at least 16 press releases by its completion. This objective was successfully achieved by M48, with 16 press releases distributed through a range of communication channels, including partners' websites, online newspapers and business portals. This broad distribution helped maximise the reach of project news and key achievements while strengthening the project's presence across relevant media outlets. A complete overview of all press releases published up to M48 is presented in Table 1.

Name	Link
Press release: eFORT project develops a digital twin of the grid to increase cybersecurity	https://efort-project.eu/press-release-efort-project-develops-a-digital-twin-of-the-grid-to-increase-cybersecurity/
Press release: eFORT project to enhance European electrical grid security and resilience	https://efort-project.eu/press-release-efort-project-to-enhance-european-electrical-grid-security-and-resilience/
АТ«Прикарпаттяобленерго» перемогло в престижному конкурсі «Горизонт Європа»	https://oe.if.ua/uk/articles/624ff868db9c424784a53e86
Enhancing European Grid Resilience Through eFORT Project	https://www.powerinfotoday.com/thermal/enhancing-european-grid-resilience-through-efort-project/
Enhancing Grid Security: Dutch Project Unveils Digital Twin to Combat Cyber Threats	https://digitaltwininsider.com/2024/05/02/enhancing-grid-security-dutch-project-unveils-digital-twin-to-combat-cyber-threats/
eFORT - Establishment of a Framework for Transforming current EPES into a more resilient, reliable, and secure system all over its value chain	https://www.tudelft.nl/en/ewi/over-de-faculteit/afdelingen/electrical-sustainable-energy/intelligent-electrical-power-grids-iepg-group/projects/current-projects/efort
eFORT project to enhance European grid resilience	https://www.smart-energy.com/industry-sectors/energy-grid-management/efort-project-to-enhance-european-grid-resilience/



Name	Link
eFORT: Transforming Europe's electricity grids	https://cuervaenergia.com/en/innovation-people/research-and-development/efort/
Revolutionising grid security: Dutch project pioneers digital twin technology	https://innovationorigins.com/en/revolutionising-grid-security-dutch-project-pioneers-digital-twin-technology/
ENCS to participate in Horizon Europe project “eFORT”	https://encs.eu/news/encs-to-participate-in-horizon-europe-project-efort/
eFORT project to enhance European grid resilience	https://industrialnews.co.uk/efort-project-to-enhance-european-grid-resilience/
Press release: Introducing the Intelligent Platform API: Enhancing Data Exchange and Interoperability in the eFORT Project	https://efort-project.eu/press-release-introducing-the-intelligent-platform-api-enhancing-data-exchange-and-interoperability-in-the-efort-project/
Press Release: eFORT – Strengthening Europe’s Power Grids for a Resilient and Secure Future	https://www.enlit.world/library/efort-strengthening-europes-power-grids-for-a-resilient-and-secure-future
Press Release: eFORT Featured in Global Power System Flexibility Monitor Insight Report Prepared for COP30	https://efort-project.eu/press-release-efort-featured-in-global-power-system-flexibility-monitor-insight-report-prepared-for-cop30/
Guardians of the grid – protecting Europe’s electricity supply from cyber-attacks	https://projects.research-and-innovation.ec.europa.eu/en/horizon-magazine/guardians-grid-protecting-europes-electricity-supply-cyber-attacks
Not Just Technology: The Human Side of Innovation Success - Join the Social Innovation Workshop at ENLIT Europe 2025	https://efort-project.eu/not-just-technology-the-human-side-of-innovation-success-join-the-social-innovation-workshop-at-enlit-europe-2025/

Table 1: Press Releases



4.5 Scientific and technical publications

Table 2 presents the scientific publications that were accepted for submission up to M48. These publications are available online and all of them are publicly accessible.

Partner Name	Description and link
COMILLAS	J. A. Font, J. Jarauta, R. Gesteira, R. Palacios and G. López, "Threat models for vulnerability analysis of IoT devices for Manipulation of Demand attacks," 2023 JNIC Cybersecurity Conference (JNIC), Vigo, Spain, 2023, pp. 1-8. https://ieeexplore.ieee.org/document/10205781
COMILLAS	V. G. Fernández, N. Rodríguez Pérez, R. G. Miñarro, J. M. Domingo, R. P. Hielscher and G. López López, "Dynamic risk assessment tool for customer IoT infrastructures for Smart Grids," 2023 JNIC Cybersecurity Conference (JNIC), Vigo, Spain, 2023, pp. 1-4. https://ieeexplore.ieee.org/document/10205786
COMILLAS TU Delft	Rodríguez-Pérez, N.; Matanza Domingo, J.; Sigrist, L.; Rueda Torres, J.L.; López López, G. "Confronting the Threat: Analysis of the Impact of MaDIoT Attacks in Two Power System Models. Energies". 2023, 16, 7732. https://doi.org/10.3390/en16237732
COMILLAS	Rodriguez-Perez, Nestor, et al. "Measuring the digitalisation of electricity distribution systems in Europe: Towards the smart grid." 2024. International Journal of Electrical Power & Energy Systems 159: 110009. https://www.sciencedirect.com/science/article/pii/S0142061524002308?via%3Dihub
COMILLAS	Reina Quintero, A.M., Ceballos Guerrero, R. y Varela Vaca, Á.J. (Eds.) 2024. IX Jornadas Nacionales de Investigación en Ciberseguridad. Sevilla. https://idus.us.es/handle/11441/159179
LINKS	A. A. Sundhu, S. Saadatmandi and M. Arnone, "Enhancing Grid Resilience: Islanding Control in a Digital Twin of Real Electrical Distribution System," 2024 6th Global Power, Energy and Communication Conference (GPECOM), Budapest, Hungary, 2024, pp. 596-605. https://ieeexplore.ieee.org/document/10582670



Partner Name	Description and link
CIRCE	Albero Castellón, C., Oliván Monge, M. Á., Galve Pastor, Y., & Rodríguez del Castillo, C. (2024). Implementation of an IEC 61850 MMS interface for Centralized Protection and Control (CPC) virtualized platforms (CIGRE Session Materials, Ref. B5-10632-2024). CIGRE. eCIGRE publication page
CIRCE	M. Bernal-Sancho, M. P. Comech and N. Galan-Hernandez, "Bibliographic Review on Power Oscillation Detection Methods," NEIS 2023; Conference on Sustainable Energy Supply and Energy Storage Systems, Hamburg, Germany, 2023, pp. 66-71. https://ieeexplore.ieee.org/document/10556664
CIRCE	Bernal-Sancho, Marta, María Paz Comech, and Noemí Galán-Hernández. "Damping control in renewable-integrated power systems: A comparative analysis of PSS, POD-P, and POD-Q strategies." International Journal of Electrical Power & Energy Systems 162 (2024): 110308. https://doi.org/10.1016/j.ijepes.2024.110308
CIRCE	Moreno-Bernal, P., Hernández-Callejo, L., Nesmachnow, S., Rossit, D., Torres-Aguilar, C. and Cardinale-Villalobos, L. (Eds). (2024). Proceedings of the VII Ibero American Congress of Smart Cities. CITIES. https://icsc-cities.com/proceedings/2024.pdf
CIRCE	Bernal-Sancho, Marta, et al. "Dynamic Damping of Power Oscillations in High-Renewable-Penetration Grids with FFT-Enabled POD-P Controllers." Applied Sciences 15.3 (2025): 1585. https://doi.org/10.3390/app15031585
TUD	Liu, Yigu, Alexandru Ștefanov, and Peter Palensky. "Generating large-scale synthetic communication topologies for cyber-physical power systems." IEEE Transactions on Industrial Informatics (2024). https://ieeexplore.ieee.org/document/10634994
COMILLAS	N. Rodríguez-Pérez, J. Matanza, L. Sigrist, J. Rueda Torres and G. López, "MaDloT 3.0: Assessment of Attacks to Distributed Energy Resources and Demand in a Power System," in IEEE Open Access Journal of Power and Energy, vol. 12, pp. 552-563, 2025. https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=11112612



Partner Name	Description and link
COMILLAS	J. Jarauta Gastelu, R. Gesteira-Miñarro, J. Matanza, R. Palacios and G. López, "MitM Attack to Electric Vehicle AC Chargers," in IEEE Internet of Things Journal, vol. 12, no. 19, pp. 39689-39700, 1 Oct.1, 2025. https://ieeexplore.ieee.org/document/11091345
CERTH & CIRCE	A. Kanousis et al., "Power System Resilience Enhancement and Restoration Strategies," 2025 IEEE International Conference on Environment and Electrical Engineering and 2025 IEEE Industrial and Commercial Power Systems Europe (EEEIC / I&CPS Europe), Chania, Crete, Greece, 2025, pp. 1-6. https://ieeexplore.ieee.org/document/11169036
TUD	A. Presekal, A. Ştefanov, V. S. Rajkumar, I. Semertzis and P. Palensky, "Advanced Persistent Threat Kill Chain for Cyber-Physical Power Systems," in IEEE Access, vol. 12, pp. 177746-177771, 2024. https://ieeexplore.ieee.org/document/10769457
TUD	Y. Liu, A. Ştefanov, I. Semertzis and P. Palensky, "GraphCCI: Critical Components Identification for Enhancing Security of Cyber-Physical Power Systems," in IEEE Transactions on Industrial Cyber-Physical Systems, vol. 2, pp. 340-349, 2024. https://ieeexplore.ieee.org/document/10620647
SUITE5	Tsatsakis, Konstantinos. "A Secure and Privacy Preservation Framework for Energy Data Collection and Sharing." 2024, International Conference on "Energy, Sustainability and Climate Crisis, Corfu, Greece. http://escc.uth.gr/wp-content/uploads/2025/01/ESCC-2024_Book-of-Proceedings.pdf
COMILLAS	Gómez, A.M.L. et al. (2026). Integration of an OT Cybersecurity Lab into an Industrial Automation Lab. In: Laborde, R., et al. Computer Security. ESORICS 2025 International Workshops. ESORICS 2025. Lecture Notes in Computer Science, vol 16233. Springer, Cham. https://doi.org/10.1007/978-3-032-16165-9_10
Fraunhofer	Ganter, S., Finger, J., Della Croce, G., Häring, I., & Stolz, A. (2026). Towards a Tool for Assessing Frequency Stability in Islanded Distribution Grids, Based on a Newly Developed Python RMS Simulation Program Built on the PandaPower Framework.



Partner Name	Description and link
	DOI: 10.3850/ESREL2026061419_esrel26-p26299-cd
COMILLAS	Rodríguez-Pérez, N., Matanza Domingo, J., Sigrist, L., Rueda Torres, J.L., López López, G. (2026). Analysing the Impact of Compromising IoT Consumer Devices in Power Systems. In: Soldatos, J., Abie, H. (eds) Technology-Enabled Resilience: Innovations in Critical Infrastructure Protection. Springer, Cham. https://doi.org/10.1007/978-3-032-25917-2_5
CIRCE	Mlot, E. D. G., Saldana, J., Rodríguez, R. J., Kotsiuba, I., & Gañán, C. (2024). A dataset to train intrusion detection systems based on machine learning models for electrical substations. Data in brief, Volume 57, 2024, 111153, ISSN 2352-3409. https://doi.org/10.1016/j.dib.2024.111153

Table 2.: Scientific and Technical Publications

4.6 Videos and Podcasts

Video content formed an important part of the eFORT communication and dissemination activities, providing an engaging way to present the project's objectives, progress and results. By combining visual storytelling with technical content, videos made complex topics more accessible to a broad range of stakeholders while increasing the visibility of the project's achievements across different communication channels.

The first project video, "eFORT Introduction Video" (<https://youtu.be/z7c3X-3JWpM?si=dt-o-0LYwxEhvp0r>), was released in M30 and introduced the project's vision, objectives and expected impact. It provided a concise overview of the project, helping stakeholders quickly understand the purpose, scope and ambitions of eFORT. During the final project year, a second video, "eFORT: Powering Europe's Energy Future" (<https://youtu.be/Dfy6tBtQWac?si=GTALx9DKlufkXbV>), was produced and published in M46. This video focused on the project's achievements, presenting the developed solutions, demonstration activities and key outcomes delivered throughout the project.



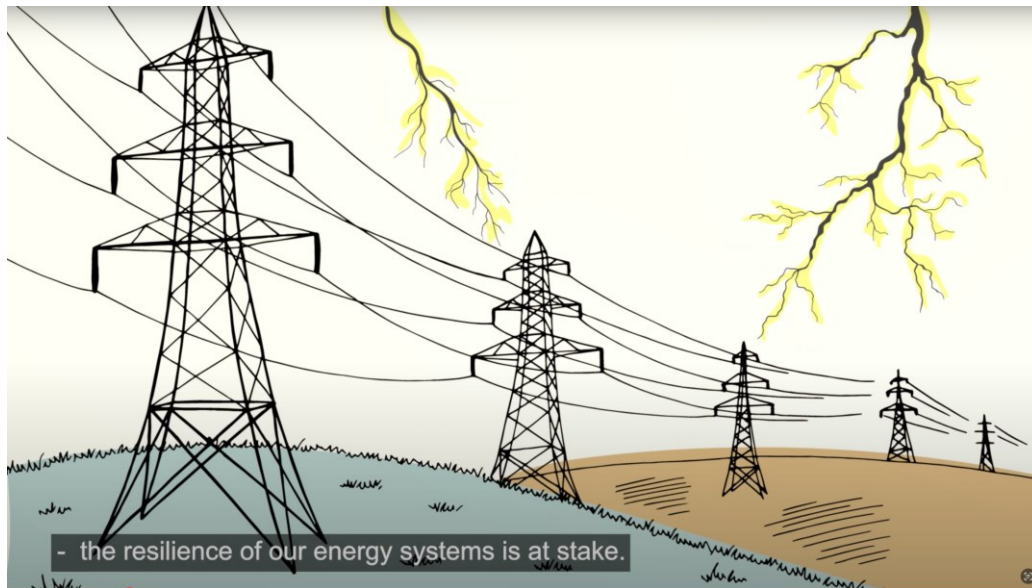


Figure 14: eFORT Introduction Video

In addition to these two flagship videos, several complementary videos were produced to document important project activities. These included a short video report from the eFORT General Assembly in Halden, Norway, highlighting collaboration among consortium partners and showcasing progress towards a more secure and resilient European energy system. The project also produced dedicated videos presenting the demonstration sites, including two videos featuring the Ukrainian pilot. One video introduced the demonstration site, while the second explained how 3D models, virtual reality and secure digital technologies are being used to improve resilience and operator training within the energy sector.

Video content was also used to extend the impact of project events. Recordings of three demonstration site workshops organised during the final project year were made available online, allowing participants who could not attend to access the presented results and enabling attendees to revisit the sessions. Although the Dutch demonstration workshop was organised exclusively as an in-person event, recordings from the remaining workshops were edited and published through the project's communication channels.

To further highlight the practical implementation of project solutions, the consortium developed the eFORT Demo Video Series. These short interview-based videos featured demonstration site leaders and project partners discussing the objectives, technologies and achievements of each pilot. The series was shared through the project's LinkedIn channel.

Title	Links
eFORT Introduction Video	https://youtu.be/z7c3X-3JWpM?si=dt-o-0LYwxEhvp0r
eFORT: Powering Europe's Energy Future	https://youtu.be/Dfy6tBtQWac?si=GTLAlx9DKlufkXbV



eFORT Horizon Europe project Ukraine demo site	https://youtu.be/9YDrUm1VUT0?si=OF_3D6RONqfpmivs
eFORT 4th GA Meeting in Halden Smart Innovation Norway	https://youtu.be/FiZnlmceGVQ?si=gcJESxlmDOMDJNvm
eFORT Ukrainian Demo Site: From Substation to Digital Twin Using BIM, VR & Blockchain	https://youtu.be/o0az16Rb5os?si=h7r5zJglsmc6ta9g
Intelligent Digital Power Systems for Renewable Integration eFORT Italian Demo Workshop	https://youtu.be/Mghwll8iE1E?si=yaT6FxZ-Mob_VyVa
Grid Cybersecurity & Energy Communities eFORT Spanish Demo Workshop	https://youtu.be/UOPpFm_D6FE?si=pd0u3p3kChVcif7n
Digital Twin for Secure Maintenance & Incident Awareness eFORT Ukrainian Pilot	https://youtu.be/klZJuYOVMlg?si=NPw2tHQu3ju2H-r8

Table 3: eFORT videos

All project videos were published on the eFORT YouTube channel and embedded on the project website, ensuring long-term public access to the audiovisual materials.

Beyond its own communication channels, eFORT also contributed to the wider discussion on Europe's energy transition through participation in the ENLIT podcast, "Strengthening buildings, flexibility and cybersecurity in Europe's energy system". The episode explored the role of policy, technology and collaboration in building a more sustainable, flexible and cyber-resilient energy system, further increasing the project's visibility among audiences interested in Europe's energy innovation landscape: <https://www.enlit.world/library/eu-energy-projects-podcast-chronicle-reflex-and-efort-strengthening-buildings-flexibility-and-cybersecurity-in-europes-energy-system>

4.7 Newsletter

The eFORT newsletter remained one of the project's primary communication tools for maintaining regular contact with stakeholders interested in the project's progress and results. Distributed exclusively to subscribers who had provided their consent, the newsletter offered a reliable channel for sharing project updates, technical



developments, upcoming events and key achievements. By M48 (August 2026), the subscriber community had grown to 202 subscribers, demonstrating continued interest in the project's activities throughout its lifetime.

The newsletter series began in M9 with an introductory edition presenting the project consortium and demonstration sites. Subsequent editions published in M15 and M20 expanded the scope of the content by covering project participation in international events, introducing communication resources such as the eFORT Press Kit and Zenodo community, and sharing technical updates and project news. Further details about these earlier editions are available in D6.5 and on the project website.

The fourth edition, published in M27, focused on technical developments within the project, featuring articles on the Intelligent Platform API, energy security in Ukraine and dynamic simulations for improving grid resilience in South Tirol's distribution network. It also included updates from international events, information on upcoming activities and news from sister projects, including REEFLEX, R2D2 and TIGON. This edition achieved an open rate of 30% and a click-through rate of 18.8%.

In M37, the newsletter was migrated to the Mailchimp platform, and the fifth edition was released. The issue featured articles on cybersecurity, including the ENISA report and eFORT's contribution, together with a new scientific publication on damping control in renewable-powered grids. It also introduced the eFORT Introduction and General Assembly Meeting in Halden videos, while highlighting participation in international events such as JNIC25, EUSEW2025 and the ARES Conference. The edition achieved an 84.9% delivery rate and 191 total clicks.

The sixth edition, published in M43, highlighted the project's "Not Just Technology: The Human Side of Innovation Success – Social Innovation Workshop" organised during the ENLIT Conference, presented the Ukrainian demonstration site video and featured technical articles, including work on MaDIoT attacks in power systems. It also included updates from sister projects REEFLEX, ESTELAR and PROBONO. This edition achieved a 79.3% delivery rate and 121 total clicks.

The seventh edition, released in M45, focused on the "AI for Critical Infrastructure: Building Trust, Safety, and Real-World Adoption" event organised during the AI+ Conference, the eFORT Final Event and updates from the project's demonstration sites. It achieved an 82.3% delivery rate and 144 total clicks.

The final newsletter edition was scheduled for M48 (end of August 2026) and planned to present the project's final achievements and results. Throughout the project, the newsletter served as a consistent communication channel for sharing technical progress, dissemination activities, scientific developments and collaboration opportunities. The sustained engagement of subscribers demonstrates its value as an effective tool for keeping stakeholders informed and connected with the project's activities.

4.8 Events, workshops, and conferences

Participation in national and international events remained an important part of the eFORT communication and dissemination strategy, helping to increase the project's visibility and engage with a broad range of stakeholders. Throughout the project,



consortium partners actively represented eFORT at conferences, workshops, exhibitions and other relevant events, creating opportunities to present project objectives, share results and establish connections with researchers, industry representatives, policymakers and other interested audiences.

Title	Partner	Date
ENLIT Europe	SELTA-DP	2022
Barcelona Cybersecurity Congress	COMILLAS	2023
NEIS Conference	CIRCE	2023
COCOON KoM event	CUERVA	2023
EU-CIP Project & ECSCI Cluster 1st Annual Conference	CIRCE	2023
EUSEW 2023	RINA-C	2023
ECSCI event	CIRCE	2023
European Days of Research and Innovation	JSC	2023
SGTech Week 2023 Conference	TUD	2023
SMI2G brokerage event	FRH	2024
36th Annual FIRST Conference	TNO	2024
EUSEW 2024	RINA-C	2024
6th Global Power, Energy and Communication Conference	LINKS	2024
11th International Conference on "Energy, Sustainability and Climate Crisis" ESCC 2024	SUITE5	2024
Sustainable Places 2024	CIRCE	2024
CIGRE 2024	CIRCE	2024
MEDPOWER 2024	CERTH	2024
Cybersecurity Conference (JNIC), 2024	COMILLAS	2024
ENLIT 2025	SIN	2025
CPS4CIP'25	COMILLAS	2025
EUSEW 2025	RINA-C	2025



Title	Partner	Date
JNIC 2025	COMILLAS	2025
ETIP SNET Governing Board Meeting	CIRCE	2025
ONE Conference 2025	TNO, TUD	2025
AI+ Conference	SIN, CIRCE	2026
CIGRE Paris session 2026	CIRCE	2026

Table 4: Event Participation

In addition to participating in external events, the consortium also organised several project-specific events:

Title	Partner	Date
ENCS webinar	ENCS	2023
ARES workshop	TNO	2023
Organization of a seminar for students and faculty of the Burshtyn Energy College	JSC	2024
EPESec Workshop	TNO	2024
Seminar at the National University of Oil and Gas	JSC	2024
EPESec Workshop	TNO, TUD	2025
Not Just Technology: The Human Side of Innovation Success Workshop	SIN	2025
AI for Critical Infrastructure: Building Trust, Safety, and Real-World Adoption	SIN	2026

Table 5: Event Organization

A key milestone during the final project period was the organisation of four dedicated workshops, each focusing on one of the eFORT demonstration sites. These workshops showcased the technologies, solutions and progress achieved across the different pilots while providing participants with an opportunity to learn directly from demonstration site leaders and technical experts. The workshops were delivered in different formats to maximise accessibility: the Dutch demonstration workshop was organised as an in-person event, the Italian and Ukrainian workshops were held online, and the Spanish workshop followed a hybrid format.



The preparation and delivery of each workshop involved close collaboration between the demonstration site leaders, participating partners, the project management team and the Communication and Dissemination team. Following each event, recordings were edited and published through the project's communication channels, allowing a wider audience to access the presentations and ensuring that the workshop outcomes remained available beyond the live sessions.

Title	Type	Date
Intelligent Digital Power Systems for Renewable Integration: The Italian eFORT Pilot	Online	27 February 2026
How Enhancing Grid Cybersecurity: Impacts on Energy Communities in the Spanish Demo	Hybrid	11 March 2026
Cyber-Resilient Power Systems in Practice: eFORT Final Event & Demonstration Day	Online	10 June 2026
Digital Twin as a Secure Access Interface for Maintenance, Incident Awareness, and Communication Resilience in Distribution Substations	In-person	26 June 2026

Table 6: Demo Site workshops

In addition to the workshops, three demonstration site visits were organised during the project. These visits took place alongside the project's General Assembly meetings, enabling consortium partners to visit the demonstration sites in person, review implementation progress and discuss future activities with the local demonstration teams. External stakeholders also had the opportunity to learn about the demonstrated solutions and planned developments. A demonstration site visit to the Ukrainian pilot could not be organised due to the ongoing situation in Ukraine.





Figure 15: Visit to Italian demo site (LINKS)



Figure 16: Visit to Spanish demo site (CUERVA)





Figure 17: Visit to Dutch demo site (TUD)



5 Evaluation and KPIs

Table 7 summarises the project's KPI targets and final M48 progress, comparing the original objectives from the DoA and D6.4 with the achieved results. It is organised by target location and metric, providing a foundation for understanding the scope and focus of each KPI; M48 goals, offering a clear vision of the intended outcomes by the end of project; and final status, giving a snapshot of the project's final achievements. The only unmet KPI is "Demonstration site showcases", as the Ukrainian demonstration event was held online instead of in person due to the situation in the country.

KPI	Project target	M48
Demonstration site showcases	1 per demo	3
Scientific and technical publications	5	22
Outreach events (webinars, workshops, conferences)	6	26
Participants at pilot site webinars/workshop	20 per webinar	50 per webinar
Participants at the final conference	75	75
Collaboration with sister projects (such as meetings, established network, workshops, joint papers)	8 projects	12
Website visits	5000	11000
Newsletters	8	8
Newsletter subscribers	150	202
Press releases	16	16
Brochure distribution (physical and online downloads)	1000	1000
Views of all videos	300	603
Non-technical articles published externally	4	28
News posts on website	32	32
Twitter posts	120	128
LinkedIn posts	80	129

Table 7: KPI List (target vs M48)



6 Conclusion

This deliverable presents the final assessment of the communication and dissemination activities implemented throughout the eFORT project. Building on the strategy established in the initial Communication and Dissemination Plan (D6.4) and its intermediate update (D6.5), the project successfully delivered a broad range of communication actions that increased the visibility of the project, promoted its scientific and technical achievements, and engaged stakeholders across the energy, cybersecurity and research communities. The implemented activities followed a structured and coordinated approach, ensuring consistent messaging and effective collaboration among consortium partners.

Throughout the project, a diverse portfolio of communication channels and dissemination tools was employed to reach different target audiences. The project website served as the central information hub, while social media channels, newsletters, videos, press releases, scientific publications, events and demonstration activities complemented each other to maximise outreach and stakeholder engagement. Continuous updates to communication materials, regular publication of project news and active participation in national and international events ensured that project developments remained visible throughout the implementation period.

The communication strategy also evolved alongside the project itself. During the early stages, activities focused on raising awareness and establishing the project's identity. As technical developments progressed, communication efforts increasingly highlighted demonstration activities, project achievements and collaboration with other European initiatives. In the final phase, dissemination activities placed particular emphasis on sharing project results, showcasing validated solutions through the demonstration sites and supporting the long-term visibility and exploitation of the project's outcomes.

The results presented in this deliverable demonstrate that the communication and dissemination objectives were successfully achieved. The implemented activities contributed to building a recognisable project identity, expanding stakeholder engagement and creating multiple opportunities for knowledge exchange across research, industry and policy communities. The communication assets, online platforms and publicly available resources developed during the project provide a valuable foundation for the continued visibility of eFORT results beyond the project's completion.

Overall, communication and dissemination have been an integral part of the eFORT project, supporting not only awareness and stakeholder engagement but also the broader uptake of project knowledge and innovations. The experience gained, communication resources developed and collaborative networks established during the project will continue to support future research, innovation and cooperation in strengthening the resilience, reliability and cybersecurity of European power and energy systems.



References

- Ismayilzada, S. (2024). *eFORT: Deliverable 6.5 - Communication and Dissemination Plan, Intermediate version*. Noudettu osoitteesta <https://efort-project.eu/wp-content/uploads/sites/18/2026/06/D.6.5-Communication-and-Dissemination-Plan.-Intermediate-version.pdf>
- Lasswell, H. (1948). The structure and function of communication in society. Teoksessa L. Bryson, *The Communication of Ideas* (ss. 37-51). New York: Harper and Row.
- Veikkanen, T. (2023). *eFORT: Deliverable 6.4 - Communication and Dissemination Plan, Initial version*. Noudettu osoitteesta Zenado: <https://doi.org/10.5281/zenodo.7774632>
- Ismayilzada, S. (2024). *eFORT: Deliverable 6.5 - Communication and Dissemination Plan, Intermediate version*. Noudettu osoitteesta <https://efort-project.eu/wp-content/uploads/sites/18/2026/06/D.6.5-Communication-and-Dissemination-Plan.-Intermediate-version.pdf>



ANNEXES

Annex I: Target Audience

Group	Main goals
Main energy actors	To train specialised workforce and to build strong organisational cultures for the implementation of eFORT solutions.
Technical & scientific community	To trigger further innovations and progress.
Policymakers	To ensure a regulatory and standardisation framework required for widespread adoption of the eFORT solutions.
Sister projects	To raise awareness of the project and create synergies. To trigger further innovations and progress.
General public	To increase awareness and social acceptance of research and innovation on increasing grid reliability and resilience.

Table 8: Target Audience

