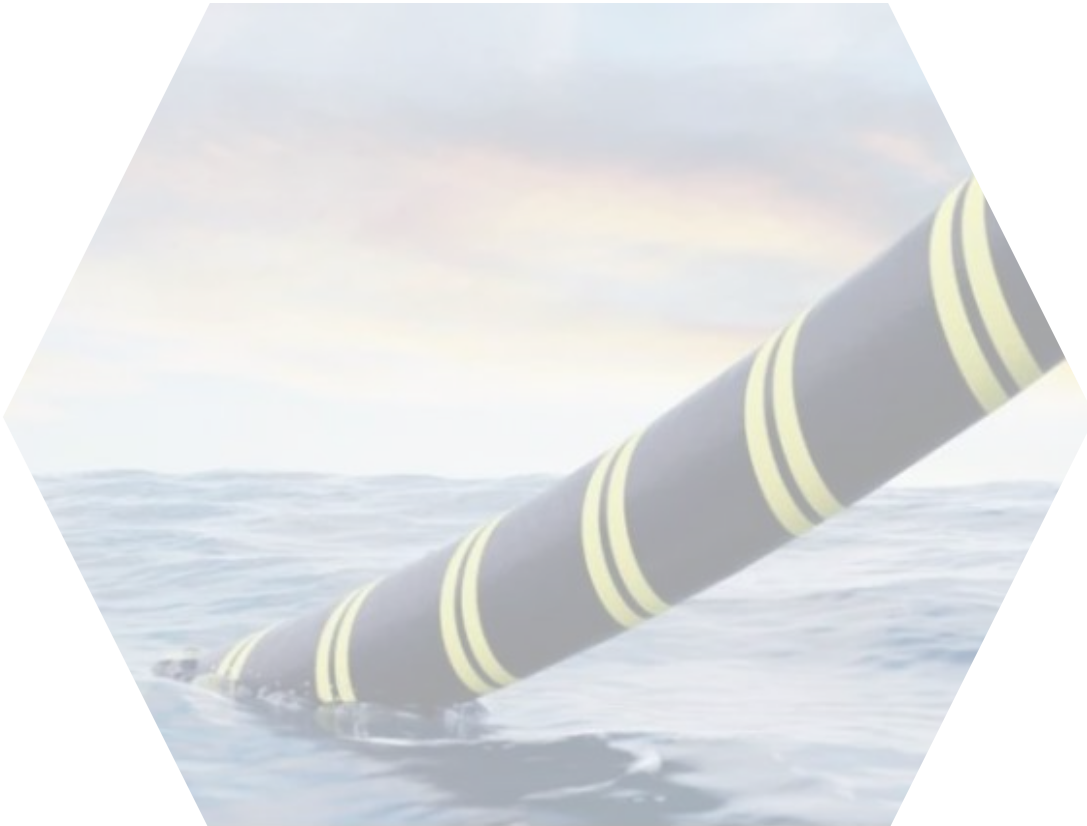




D9.3



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EasyDC-FOS

Project: Towards a wide-spread HVDC-based power system enabled by new highly efficient cable & fibre optic monitoring systems	
Project number:	101172806
Project acronym:	EasyDC-FOS
Call:	HORIZON-CL5-2024-D3-01
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Deliverable D9.3

Report on Communication & Dissemination activities I

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EXECUTIVE SUMMARY

The EasyDC-FOS Report on Communication & Dissemination activities is intended to provide details on a yearly basis about all the Communication and Dissemination (C&D) activities carried out in the project as a result from the implementation of the Dissemination and Communication strategy, defined in Deliverable D9.1. Communication, Dissemination and Exploitation Plan.

This document constitutes Deliverable D9.3. Communication & Dissemination Activities Report I, covers the first project year (September 2024-August 2025) and is the first of three deliverables aimed to show the work performed on dissemination and communication activities (due in August 2025, August 2026 and August 2027).

During the first year, a wide range of C&D activities has been promoted by EasyDC-FOS partners. Since it was an early stage in the project development and R&D results were not yet available, the C&D activities have been mainly addressed to raising awareness on the project objectives, expected outputs and benefits through different communication channels. In addition, such activities have contributed to reinforce the stakeholder engagement strategy defined and put into practice, as reported in Deliverable D9.2, by spreading knowledge on the project and producing different pieces of communication material that turned out to be very helpful when approaching potential stakeholders.

Project partners have been active in contributing to several events, exhibitions, pieces of news and publications, which are described in detail. This enhanced the visibility of the EasyDC-FOS concept at the European stage and within knowledge communities.

Communication activity through the project website and social media has been intense and quite positive – though still to be improved - according to the results achieved regarding views and engagement rate. A project newsletter has been released on the website and delivered to subscribers.

Potential liaison activities with related projects and initiatives have been identified, which should be reinforced along the course of the project to promote mutual knowledge sharing, access to a wider stakeholder community and an efficient use of resources through joint dissemination activities.

Towards the second project year, a greater effort will be made to improve the ratio of publications in high-impact conferences and journals as the maturity level of the project results grows. For the rest of the activities, the partners will keep the current pace, but in this case the quality and the impact level will be prioritised over the number of events targeted along with the goals to be achieved per target audience.

Overall, the first year has laid a solid foundation for the project visibility and outreach. Communication and dissemination efforts have been effective in raising awareness about the project and its objectives. The consortium will continue to build on this progress, with a stronger focus in the coming months on showcasing technical results, increasing presence at international events, and organising joint activities with sister projects.



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ABBREVIATIONS AND ACRONYMS

Abbreviations / Acronyms	Description
C&D	Communication & Dissemination
DC	Direct Current
EU	European Union
HVDC	High Voltage Direct Current
KPI	Key Performance Indicator
LCSA	Life Cycle Sustainability Assessment
SAB	Stakeholder Advisory Board
TSO	Transmission System Operator



1 INTRODUCTION

This deliverable presents the activities carried out during the first twelve months of the EasyDC-FOS project (September 2024–August 2025) as part of its Communication and Dissemination strategy. The document summarises the objectives, milestones, and actions implemented to raise awareness of the project among relevant audiences and foster engagement.

The Communication and Dissemination strategy of EasyDC-FOS is designed to reach both general and specialist audiences through complementary channels and tailored messages. Communication activities focus on increasing visibility, building the project identity, and maintaining regular outreach through materials, online presence, and media. Dissemination activities are targeted at expert communities, industry stakeholders, and institutional actors, aiming to share technical progress and facilitate knowledge exchange.

The deliverable is structured as follows:

- Section 1 introduces the deliverable, its scope and structure.
- Section 2 provides an overview of the milestones and KPIs defined for communication and dissemination, along with their current status at the end of the first twelve months.
- Section 3 describes in detail the Communication activities carried out, including the creation of materials, online platforms, and media engagement.
- Section 4 covers Dissemination activities, highlighting events organised by the consortium and participation in external events.

This document reflects the effort made by the consortium to ensure that the project is communicated effectively and its findings are shared in an impactful way.



2 OVERVIEW OF C&D MILESTONES AND SCOREBOARDS

This section provides an overview of the progress made so far towards the communication and dissemination milestones defined for EasyDC-FOS, as well as an update on the key performance indicators (KPIs) that were established at the beginning of the project to monitor outreach and impact. The information is structured around the two main pillars of the strategy of communication and dissemination in line with the plan.

The section includes a summary table listing the KPIs and their current status, followed by a discussion of the achievements recorded during the first twelve months of implementation.

2.1 Communication milestones

Milestones for communication activities are shown in the following table.

Communication activity	Key milestones	Dates
3.1 Project identity	Project identity (logo, guidelines and templates)	M1
3.2 Communication material	General presentation	M3
	Infographic	M3
	Roll-up	M6
	Brochure	M6
	Newsletter	M8, M12 , M16, M20, M24, M28, M32, M36
3.3 Website	Website up and running	M4
	Published articles/news	30
3.4 Videos	Introductory and final video	M7 , M34
3.5 Social media	Creation of social media channels (X, LinkedIn)	M2
3.6 Press releases	Publication of press releases	2/year

Table 1 - Communication milestones

The milestones scheduled for the first year of the project, which began in September 2024 (M1) and concluded in August 2025 (M12), are highlighted in bold in the table.

All of them were completed on schedule with the exception of the 2nd newsletter issue, which will be released in M13, and the motion graphics video, as its production was delayed to M12 in order to incorporate the full set of project materials and to ensure consistency and coherence across all communication outputs. Nevertheless, this fact did not affect the overall project schedule or the implementation of other communication and dissemination activities.

2.2 Communication monitoring scoreboard

The monitoring scoreboard for the communication activities shows in the following table the results achieved in comparison to the target KPI values for each project year (Y1/Y2/Y3) according to the Communication, Dissemination and Exploitation Plan (D9.1).

Communication activity	KPI	Y1 Target	Y1 Results	Y2 Target	Y3 Target	Total
3.1 Project identity	Logo and Graphical layout guidelines	1	1	0	0	1
	Templates	2	2	0	0	2
3.2 Communication material	General presentation	1	1	1	1	3
	Infographic	1	1	0	0	1
	Roll-up	1	2	0	1	2
	Brochure	1	1	0	1	2
	Newsletter	2	1 delivered 1 drafted	3	3	8
	Number of distributed materials	220	140 estimated	230	300	750
3.3 Website	Number of visits	2,000	575	3,000	5,000	10,000
	Number of articles	5	9	10	15	30
3.4 Videos	Number of views	525	Motion graphics video to be released shortly	525	700	≥750 YouTube and ≥1000 LinkedIn + X
3.5 Social media	Number of followers	200	83	300	300	800
3.6 Press releases	Number of press releases	2	1	2	2	6
	Number of media impacts	10	7	15	25	50

Table 2 - Communication monitoring scoreboard

Although most of the communication and dissemination KPIs defined for the first year of the project have been met, a few specific targets have not yet been fully achieved. These are described below, together with an explanation of the underlying reasons and the measures foreseen to address them.

Number of distributed materials

At the events attended so far, the project communication has prioritised digital over physical formats. For example, at the trade fairs and conferences where EasyDC-FOS was presented (further details in chapter 4), the project key messages and visuals were displayed on the graphic

panels of the stands and used as a basis for explaining the project to interested visitors. Attendees were directed to the project website and social media channels for more detailed information and ongoing updates. Similarly, the newsletter has been distributed digitally to subscribers and made available for download on the website, ensuring broad and easy access. Brochure printouts are being prepared and will be distributed at major events in autumn 2025, such as Jicable (Oct'25, Turin) and Enlit Europe (Nov'25, Bilbao). Nevertheless, printed materials are not expected to become the main channel for disseminating project information, in line with more sustainable communication practices.

Website and social media

The number of website visits and social media followers has not yet reached the targets set for the first year. This is partly due to the specific and highly technical focus of the project, which makes it less accessible to a broad, general audience compared to more transversal topics. Despite this, the audience that has been reached so far shows a high level of interest, as reflected in the engagement rate of around 12% per post. This suggests that the followers gained so far are highly relevant and actively interacting with the content. As the project progresses and more tangible technical results become available, both the reach and the follower numbers are expected to increase.

Number of video views

The KPI regarding the number of views of the project video has not been reported at this stage, as the production of the motion graphics video was delayed, as explained earlier in this section. Consequently, the performance of this indicator cannot yet be assessed. At the time of writing this report, a complete draft video cut is already available, pending from final polishing and internal review. Once the video is ready for release (expected shortly), it will be widely shared across all available communication channels to maximise its visibility. The consortium is committed to actively promoting the video and will make a concerted effort to increase its reach among relevant stakeholders.

Number of press releases

While the project has exceeded the expected number of articles published on the website (9 instead of 5), only one press release has been issued so far, rather than the two originally planned. The initial press release covered the project launch and was distributed widely across specialised media. This approach is consistent with the nature of the project timeline, as milestones that justify issuing a press release are expected in later stages, once concrete technical results are achieved. The consortium plans to issue additional press releases aligned with significant developments in the upcoming years.

2.3 Dissemination monitoring scoreboard

The monitoring scoreboard for the dissemination activities shows in the following table the results achieved in comparison to the target KPI values for each project year (Y1/Y2/Y3) according to the Communication, Dissemination and Exploitation Plan (D9.1).



Dissemination activity	KPI	Y1 Target	Y1 Results	Y2 Target	Y3 Target	Total
5.1 Events organisation	Number of showcases and workshops	1	2	2	2	5
	Number of stakeholders in events	50	~ 85	100	50	200
	Participants in the final event	0	0	0	100	100
5.2 International events	Number of exhibitions/workshops	3	3	3	3	9
5.3 Advisory board	Number of meetings	1	set in Sep'25 (M13)	2	2	5
5.4 Open science practices	Number of conferences	2	1	4	6	12
	Number of journals	0	0	2	4	6
5.5 Clustering with other EU initiatives and platforms	Number of clustering workshops	1	0	1	2	4
	Organized clustering sessions	0	0	1	1	2
5.7 Training and education	Number of sessions	0	0	0	1	1
	Number of participants	0	0	0	30	30

Table 3 - Dissemination monitoring scoreboard

Workshop on clustering with other similar projects and initiatives

The organisation of a joint workshop with other EU-funded projects and initiatives has not yet taken place. As explained in section 4.3 on clustering activities, the first year of the project has focused on launching the technical developments, defining specifications, and ensuring internal coordination among partners. At this stage, it was considered too early to organise a clustering event, since concrete results and preliminary findings are still in progress. Such workshops are planned for the coming reporting periods, once there is sufficient material to share and discuss with external projects, ensuring that the exchanges are meaningful and productive.

Participation in conferences

One additional conference presentation was initially planned for the first year but has not yet been achieved. This is mainly because, during the initial phase, the focus has been on establishing the technical foundations, and no significant results were available to present at an international conference. As the project progresses into its second year and technical outcomes become available, the consortium intends to increase participation in scientific and technical conferences to disseminate findings more broadly. In this sense, EasyDC-FOS is already committed to participate at Jicable HVDC'25 - which will be held in Turin in October'25 (M14) – organizing a technical tutorial on “Monitoring systems tailored for HVDC systems” promoted by NEXANS with

support from other project partners on the first day of the conference. This will be an excellent opportunity to communicate the project research to a highly specialized audience. Additionally, LUMIKER and ENERGINET are preparing an abstract to be submitted to the CIGRÉ 2026 Paris Session. The aim is to present a paper on the monitoring solutions being developed within the EasyDC-FOS project for its two use cases, contributing to the dissemination of its technical achievements in an international forum.

Stakeholder Advisory Board (SAB)

During the first year of the project, the consortium focused on the stakeholder analysis and mapping for the constitution of the SAB, agreeing early on to prioritise Transmission System Operators as the main target group, given their role as end-users of the technologies developed in EasyDC-FOS. Throughout the year, different contacts were established through direct relationships, meetings at international events and outreach via project communication channels. This process has faced delays, largely due to the inherent difficulty of engaging TSOs, organisations with critical operational responsibilities, limited resources for research participation and lengthy internal decision-making procedures. Nevertheless, the formal SAB constitution meeting is currently under preparation and will be held on September 11th 2025. Establishing strong foundations and securing a SAB of high quality is deemed key to ensure that it can provide meaningful feedback to the consortium, strengthening the alignment of project developments with end-user needs and increasing the potential for exploitation of the results after the project completion. Further details on the stakeholder engaging process during the first project year and the constitution of the SAB will be provided in Deliverable D9.2. Report on stakeholder engagement and activity I.

3 COMMUNICATION ACTIVITIES

The main objective of the communication activities is to inform target audiences about project objectives and activities and to promote its results to increase awareness and stimulate the interest of multiple stakeholders.

This chapter describes the activities carried out related to all communication tools generated for the project (Identity, Communication Material, Website, Video) as well as to activities mostly connected to non-specialist audiences (Articles, Social Media, Press Releases).

Key communication activities have been informed to CINEA (by LinkedIn) so that it could use its channels to increase the reach of the project.

The communication material, the newsletters and the video of EasyDC-FOS have been published in a repository at the EasyDC-FOS project website, under the “Resources” section.

3.1 Project identity

A dedicated project identity is necessary for coherent and effective communication. In the case of EasyDC-FOS, this identity is composed of three items: logo, graphical layout guidelines and templates.

Project logo

The logo for the project has been designed to symbolize the integration of HVDC technology and intelligent monitoring systems. The left side represents the robust HVDC cable, while the right side highlights the lighter fibre optics. The central "DC" connects these elements, signifying their synergy and integration.



Figure 1 – EasyDC-FOS logo

Graphical layout guidelines

Based on the project logo, additional graphical layout guidelines were defined to convey a unified image in all communication materials. As shown below, these mainly refer to brand colours and brand typeface, which is Helvetica Neue.

Brand colours

GREEN	ORANGE	WARM GREY
CMYK 100 70 70 0 HEX #105A5F RGB 16 90 95 PMS 5473 C — 100%	CMYK 0 55 100 0 HEX #F68B1F RGB 246 139 31 PMS 715 C — 30%	CMYK 0 2 4 5 HEX #F1EBE5 RGB 241 235 229 PMS 663 C — 60%

Brand typeface

Helvetica Neue

Figure 2 - EasyDC-FOS brand colours and typeface

Templates

Following graphical layout guidelines, templates to be used throughout the project have also been developed for deliverables (Word) and presentations (PowerPoint).



Figure 3 - Deliverable template

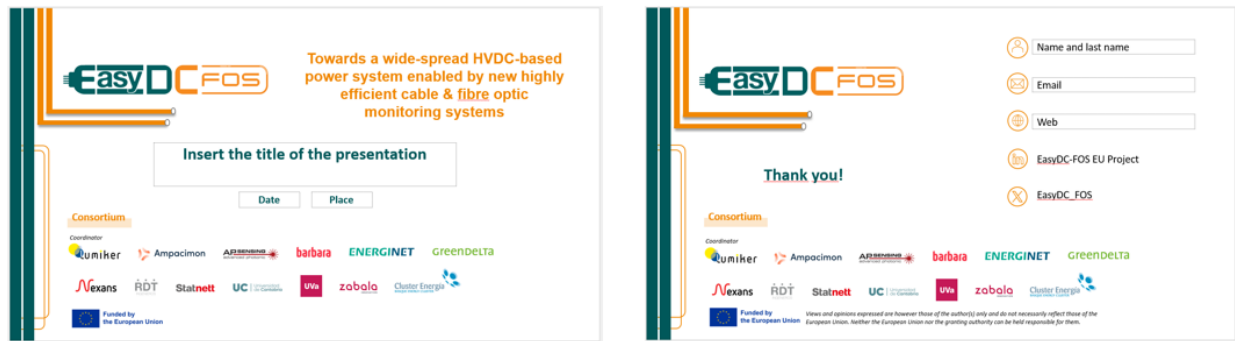


Figure 4 - Presentation template

3.2 Communication material

A set of communication materials has been developed to support the dissemination of the project key messages in a clear and consistent manner. These materials are designed to be used by all partners across events, online channels, and other outreach activities. The package includes a general presentation, an infographic, roll-ups, a brochure, two editions of the project newsletter, a motion graphics video and a Collaborative R&D project catalogue.

General presentation

A general presentation of the project has been produced as the primary information resource for the partner's communication activities. It is designed to effectively convey key aspects of the project to various stakeholders, ensuring a consistent and informative narrative across all communications. It includes sections as context, challenges, objectives and expected results.



Figure 5 - General presentation of the project

Infographic

To effectively communicate complex information and engage a broader audience, a visually appealing infographic has been developed, [available at the project website](#). This infographic clearly illustrates key concepts, main activities, scope, and expected results of the project, making it easier for different stakeholders to understand essential messages quickly.

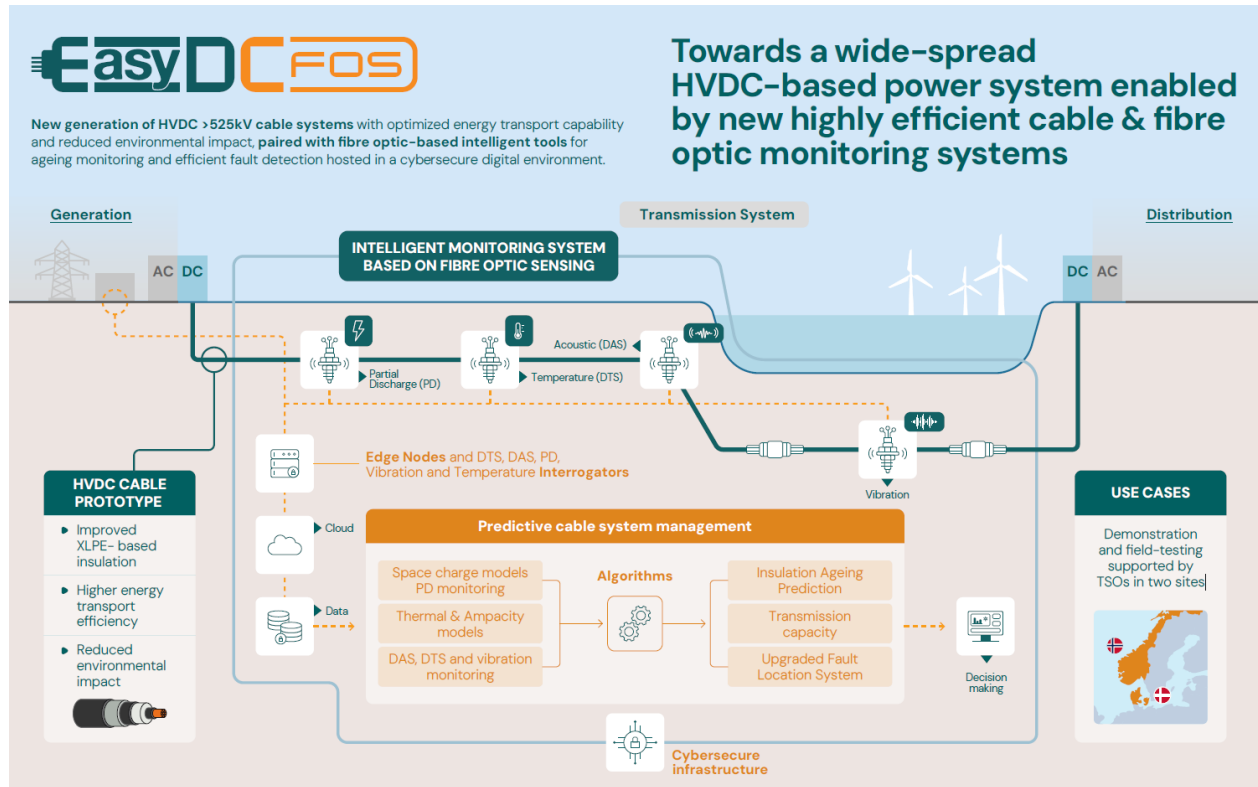


Figure 6 - Infographic of the EasyDC-FOS project

Roll-up

Two roll-ups have been produced to promote the project at events. The first one presents general information about EasyDC-FOS and is intended for use upon demand in any public-facing setting where the project is disseminated from now on (e.g., project booths at exhibitions, physical meetings with the Advisory Board, etc.). The second one includes tailored content focused on the tasks led by GreenDelta, particularly those related to Life Cycle Assessment. This version was specifically designed and showcased at the openLCA Conference in April'25, as detailed in Section 4.1.3.

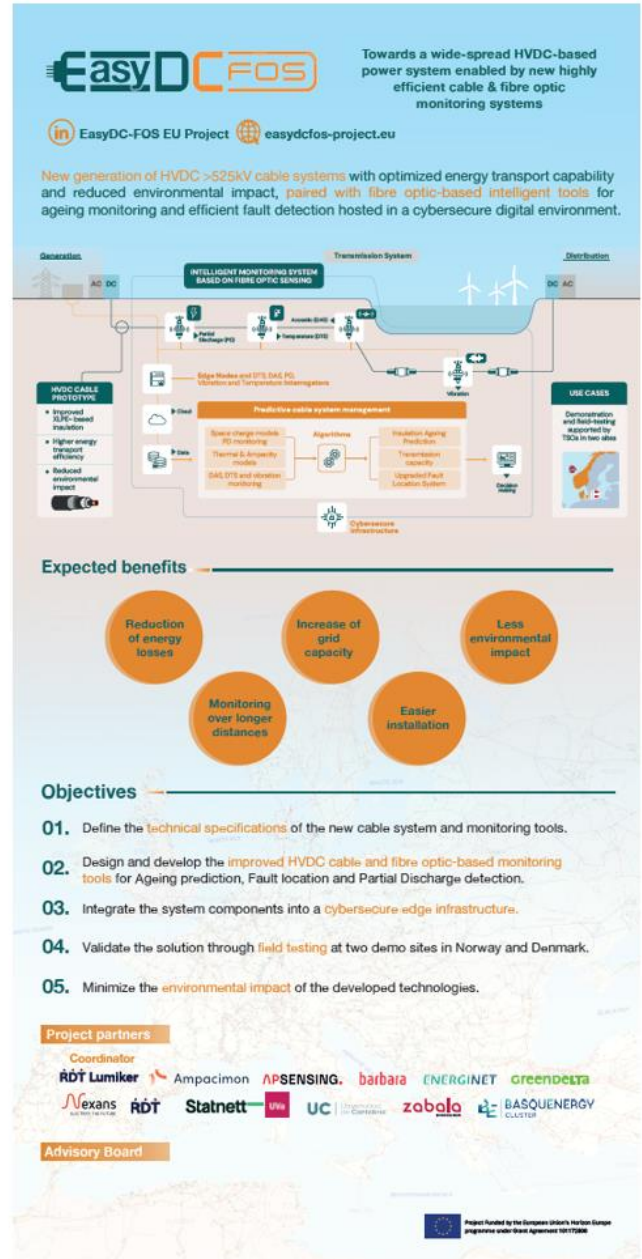


Figure 7 - Left. Roll-up specifically designed for the openLCA.conf 2025 (April'25). Right. Roll-up designed with general information about the project, to be used in next events.

Brochure

The EasyDC-FOS brochure presents the essential aspects of the project in a concise format and is intended for distribution at trade fairs and other stakeholder events. It enables partners to share key messages with potential end-users and other relevant actors. The brochure is available in digital format and printouts will be produced and distributed at major events in autumn 2025, such as Jicable (Oct'25, Turin) and Enlit Europe (Nov'25, Bilbao).



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Figure 8 - Project brochure design with general information including the context, expected impact, objectives and scope

Newsletter

Project newsletters will be periodically released at the project website ([resources](#) section) and also sent by email to subscribers and Stakeholder Advisory Board members. The first issue - aimed to introduce EasyDC-FOS - was released in M8, offering a brief overview of the geopolitical context in Europe and outlining the project main goals, anticipated impact, and early steps.

At the time of writing this report, the second newsletter issue has been already drafted and provides updates on recent technical progress, including developments in the HVDC cable, modelling work, and fibre optic sensors. It also summarises the progress made so far regarding the SAB and shares information on the international events where the project will be presented in the coming months. It will be released in September'25, coinciding with the celebration of the SAB constitution meeting.



Figure 9 - Newsletter I excerpt



Figure 10 – Newsletter II draft excerpt

Project Video

A motion graphics video has been produced to provide a dynamic overview of the project objectives and main components. The video serves as a versatile communication tool to introduce EasyDC-FOS to non-specialist audiences and can be used in presentations, events, and online dissemination activities.

At the time of writing this report, a complete draft video cut is already available, pending from final polishing and internal review. Once the video is ready for release (expected shortly), it will be widely shared across all available communication channels to maximise its visibility.

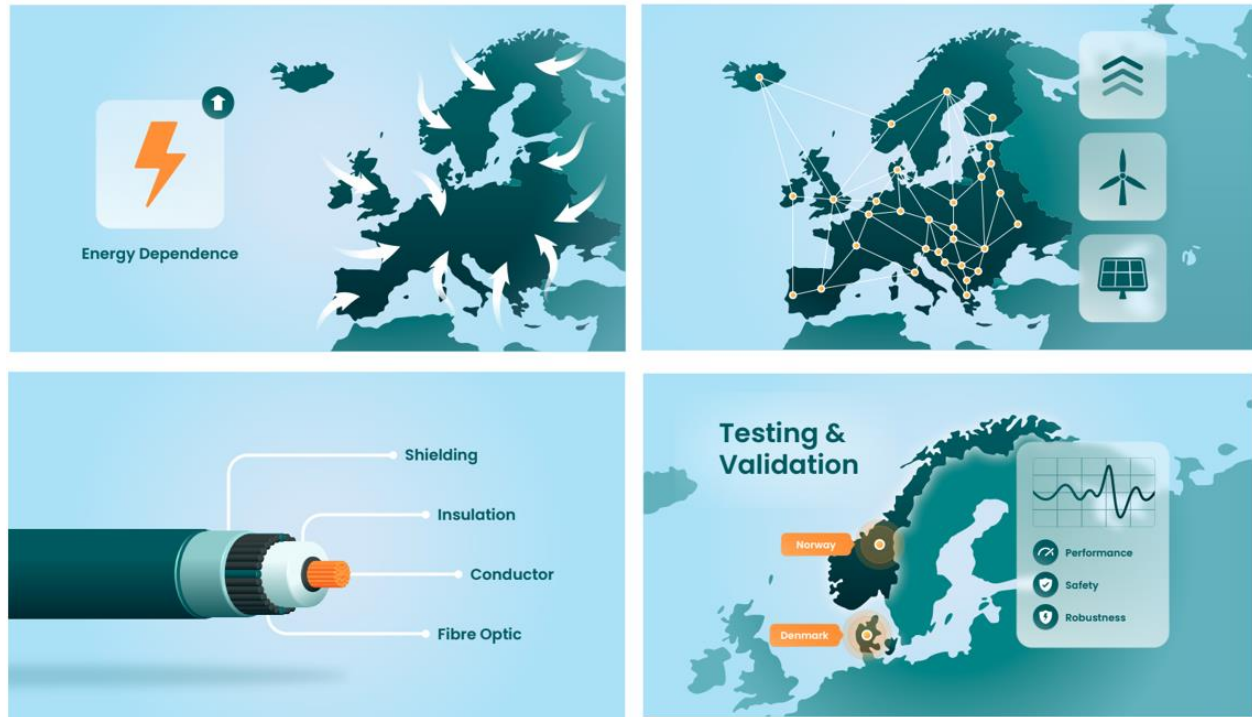


Figure 11 - Illustrations of the project motion graphics video

Catalogue of Collaborative R&D Projects

A catalogue has been put together to showcase a number of research and development projects in the wind energy field, in which the Basque Energy Cluster is involved as part of the consortium. The idea behind this material is to have a compact and accessible overview of different ongoing initiatives that can be shared at events and fairs. This way, the project can be promoted not just on its own but also as part of a broader effort towards innovation in the energy sector.

The catalogue is currently available in digital format and printouts will be produced and distributed at major events and exhibitions related to wind energy from autumn 2025.

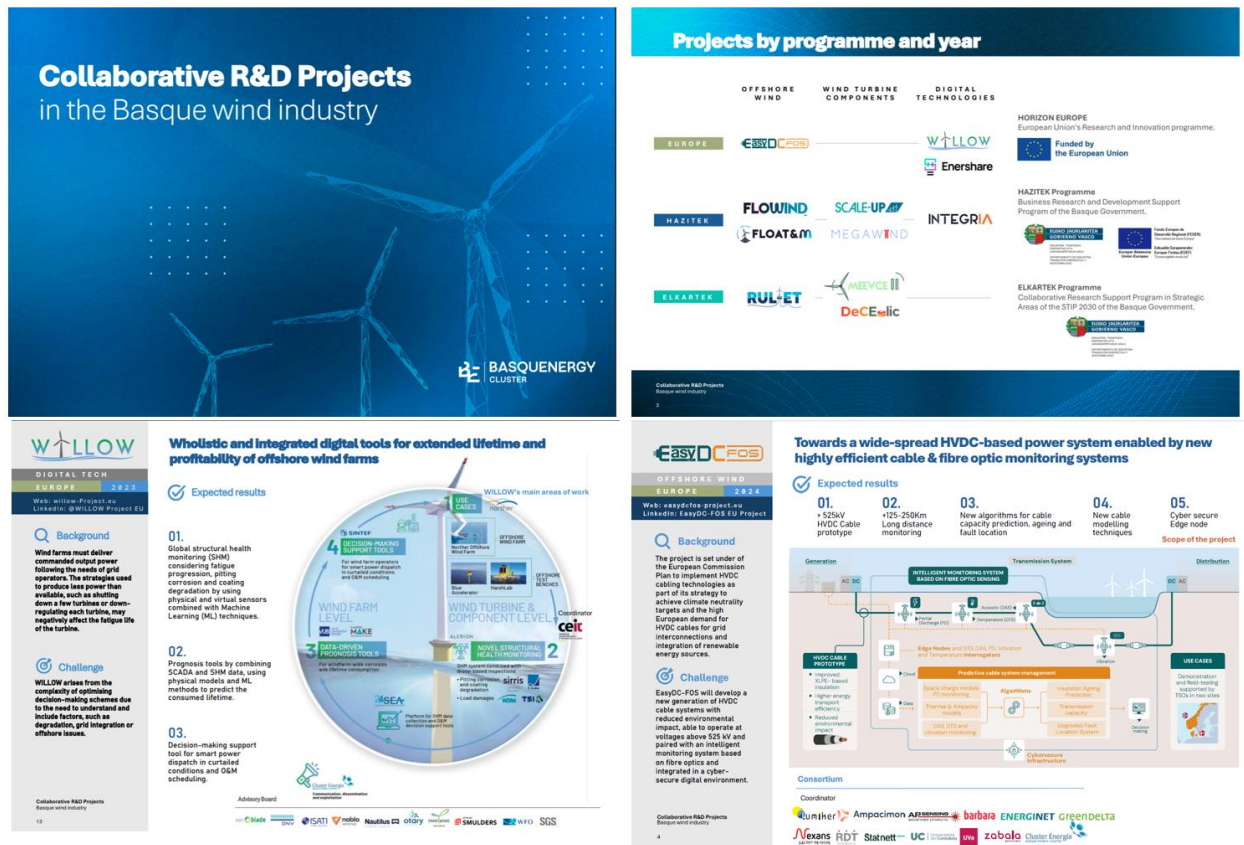


Figure 12 - Some pages of the collaborative R&D projects catalogue

3.3 Project Website

The website of the EasyDC-FOS project (www.easydcfos-project.eu) has been developed as it is the main communication tool for the project and the primary information source for the EasyDC-FOS target groups.

Design, creation and hosting of the website have been carried out as planned. The website structure follows the Best Practice Guidelines made by the European Commission [EUWEB]. It is updated continuously in contents and structure throughout the project duration, being the domain name renewed on a yearly basis.

The graphical layout has been designed by professionals with the aim of promoting the project towards the interested users and attracting potential stakeholders to exchange views and standpoints on the project, while at the same time assuring an easy and user-friendly navigation experience provided across a wide range of devices (from desktop to smartphones).

The website includes the following sections:

- **Concept:** An overview of the project rationale, concept and objectives
- **Partners:** A brief description of each partner profile



- **Results:** A summary of the expected results and the use cases in which they will be demonstrated and validated.
- **News:** Press releases following the progress, highlights and events where the project is present.
- **Resources:** Communication and Dissemination materials (brochure, videos, newsletters...) and project publications, including public deliverable reports (once they are officially approved by the European Commission) and scientific publications.
- **Contact:** Contact details for the project coordinator and communication manager.

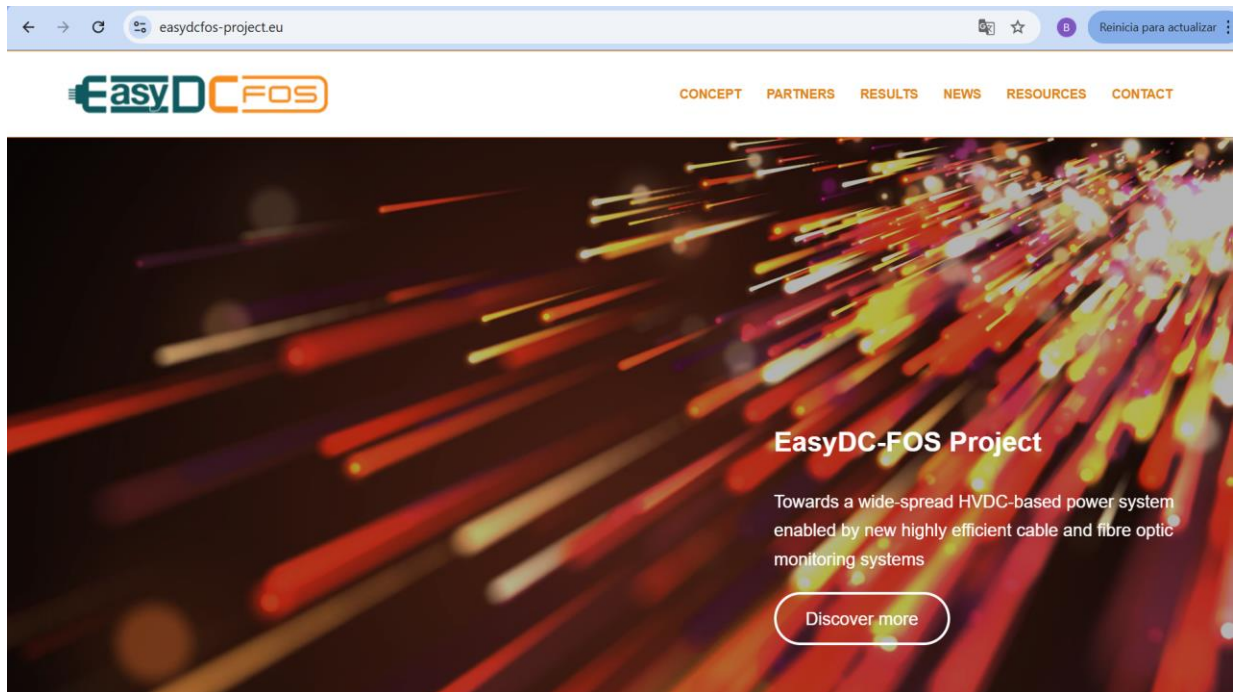


Figure 13 - Project website banner

Articles on the project website

In addition to social media updates, the EasyDC-FOS website includes a dedicated [News section](#), where articles are published to provide further context and detail on project-related activities. These articles serve both communication and dissemination purposes, offering accessible but informative content about technical progress, partner participation in events, and key project milestones.

While the posts shared on social media are generally brief and visual, the website articles offer a more complete overview, allowing readers to explore the topics in more depth. A total of nine articles have been published during the first ten months of the project. They include coverage of the project kick-off, the release of the first newsletter, participation in events such as Enlit Europe

or the Smart Grids Basque Country Forum, and developments related to the HVDC cable and the optical monitoring system.

By combining visual content with well-structured summaries, the News section helps to keep stakeholders informed while reinforcing the project identity and transparency.

Advancing HVDC Cable Modelling: EasyDC-FOS Workshop at Nexans



In November, the EasyDC-FOS project partners gathered at Nexans' facilities in Halden (Norway) for a workshop focused on aligning strategies for HVDC cable modelling. The meeting provided an opportunity to review progress, discuss technical challenges, and ensure a common understanding of key modelling approaches.

The EasyDC-FOS project team came together at Nexans' state-of-the-art facilities in Halden (Norway) for a technical workshop dedicated to the modelling activities within the project. The event served as a crucial moment for partners to assess the current status of their models, exchange insights, and establish a shared vision for the next stages of development. By fostering close collaboration, the workshop aimed to strengthen the foundation for accurate and reliable modelling of HVDC cables.

At this initial phase of the project, partners are engaged in an in-depth review of the state of the art in HVDC cable modelling, particularly in the areas of space charge dynamics and thermal behaviour. Discussions focused on defining clear specifications, data requirements, and boundary conditions to guide future work. One of the key objectives was to align on the fundamental principles of the models, including software tools, input parameters, and calibration strategies. Ensuring a common approach is essential for achieving consistent and comparable results across the consortium.

A significant part of the workshop was dedicated to reviewing existing models developed by project partners. By analysing their methodologies, strengths, and potential gaps, the team worked towards refining the modelling framework. The discussion also touched on the challenges associated with model calibration, particularly in space charge modelling, where scaling factors and validation methods play a critical role. Similarly, for thermal models, obtaining accurate material resistivity and conductivity data was highlighted as a key aspect influencing model accuracy. Addressing these challenges early in the project will contribute to more robust and predictive models.

In addition to the technical sessions, the workshop included a guided tour of Nexans' advanced manufacturing facilities. This visit provided valuable insights into the production and testing processes of a leading high-voltage cable manufacturer, offering a practical perspective that complements the theoretical modelling work.

Workshops like this play a vital role in strengthening collaboration within the consortium, consolidating progress, and aligning all partners towards the shared objectives of the project. By establishing a common framework for HVDC cable modelling, the EasyDC-FOS team is paving the way for the development of next-generation high-performance cables, supporting the transition to a more efficient and resilient energy infrastructure.

Figure 14 - Example of an article published on the project website about a workshop in Nexans' facilities

3.4 Social media profile

Project profiles have been created on both LinkedIn and X with the objective of increasing visibility and engagement around the EasyDC-FOS project on social media platforms by sharing bite-sized updates on key activities, milestones, and results. The goal is to create a dynamic online presence

that fosters interest among stakeholders, promotes the project innovations, and raises awareness of its contributions to sustainable energy solutions.

The project profiles, particularly on LinkedIn due to its greater impact, are kept up to date with news related to the project. Posts are published periodically to keep followers informed about the project progress and the communication and dissemination activities being carried out.

LinkedIn Profile: <https://www.linkedin.com/company/easydc-fos-eu-project/>

X Profile: https://x.com/EasyDC_FOS

According to recent events and the evolution of X's editorial line in the last months, a significant user decline trend in the EU has been reported, which has been replicated in industrial, scientific and research environments such as EU projects. For that reason, communication on LinkedIn profile has been prioritised, considering it a more reliable platform for knowledge dissemination and stakeholder engagement.

During the first ten months of the project, a total of 12 posts were published on the EasyDC-FOS LinkedIn profile. The content has focused mainly on key milestones, participation in events, and communication materials such as the project newsletter and the launch of the website.

In terms of visibility, most posts reached over 2,000 impressions, and the average engagement rate has been over 11%, which can be considered a strong result within the context of energy-related research and innovation. Posts linked to events, especially those accompanied by images and brief explanations, have generally shown higher performance.

Among them, the publication about the project presence at Enlit Europe stands out for having the highest engagement rate. This is likely related to the relevance of the event itself and the strong professional audience it attracts.

Overall, LinkedIn is proving to be the most effective platform for reaching the target audience. Stakeholders tend to use it as their main professional network, and the format of the posts aligns well with their interests. In addition to quantitative metrics, the level of interaction has also shown signs of qualitative engagement, helping to maintain the project visibility and positioning within the European innovation landscape.



	Date	Impressions	Clicks	Reactions	Comments	Shares	Engagement Rate
Meet the consortium: RDT Lumiker	30/06/2025	480	10	19	1	3	7%
Newsletter	03/06/2025	932	4	7	2	0	1%
OpenLCA Conference	06/05/2025	2.031	107	76	3	1	9%
Website	29/04/2025	1.072	24	34	3	6	6%
WindEurope 2025	11/04/2025	620	106	21	0	0	20%
M6 Consortium Meeting	25/03/2025	647	32	15	0	0	7%
WP3 Completion	06/03/2025	393	7	25	0	0	8%
Project Context	30/01/2025	801	8	23	2	1	4%
Smart Grids Forum 2024	11/12/2024	1.849	148	35	1	2	10%
Workshop at Nexans	25/11/2024	2.409	239	31	1	1	11%
Enlit Europe 2024	25/10/2024	181	55	8	0	0	35%
Introduction to EasyDC-FOS	10/10/2024	1.534	233	29	0	4	17%
	TOTAL	12.469,00	963	304	12	15	12%

Table 4 - Detailed data for each post published on the project LinkedIn profile



3.5 Press release

A press release has been published to announce the project kick-off, including the project launch, consortium partners, and initial objectives.

Media outlets where the press release has been published:

El periódico de la energía: <https://elperiodicodelaenergia.com/asi-sera-el-cable-de-corriente-continua-en-alta-tension-hvdc-del-futuro/>

WINDTECH International: <https://www.windtech-international.com/product-news/easydc-fos-developing-advanced-hvdc-cables-with-intelligent-monitoring>

Capital Nostrum: <https://capitalnostrum.com/noticias/asi-sera-el-cable-de-corriente-continua-en-alta-tension-hvdc-del-futuro/>

SmartGrids Info: <https://www.smartgridsinfo.es/2024/10/08/cables-hvdc-mas-eficientes-sistemas-monitorizacion-fibra-optica-marco-easydc-fos>

Energética 21: <https://www.energetica21.com/noticia/una-nueva-tecnologia-hara-mas-sostenibles-y-eficientes-los-cables-de-corriente-continua-en-alta-tension>

SMART ENERGY INTERNATIONAL: <https://www.smart-energy.com/industry-sectors/smart-grid/easydc-fos-project-launches-to-develop-next-gen-hvdc-cables/>

INDUSTRIAL NEWS: <https://industrialnews.co.uk/easydc-fos-project-launches-to-develop-next-gen-hvdc-cables/>

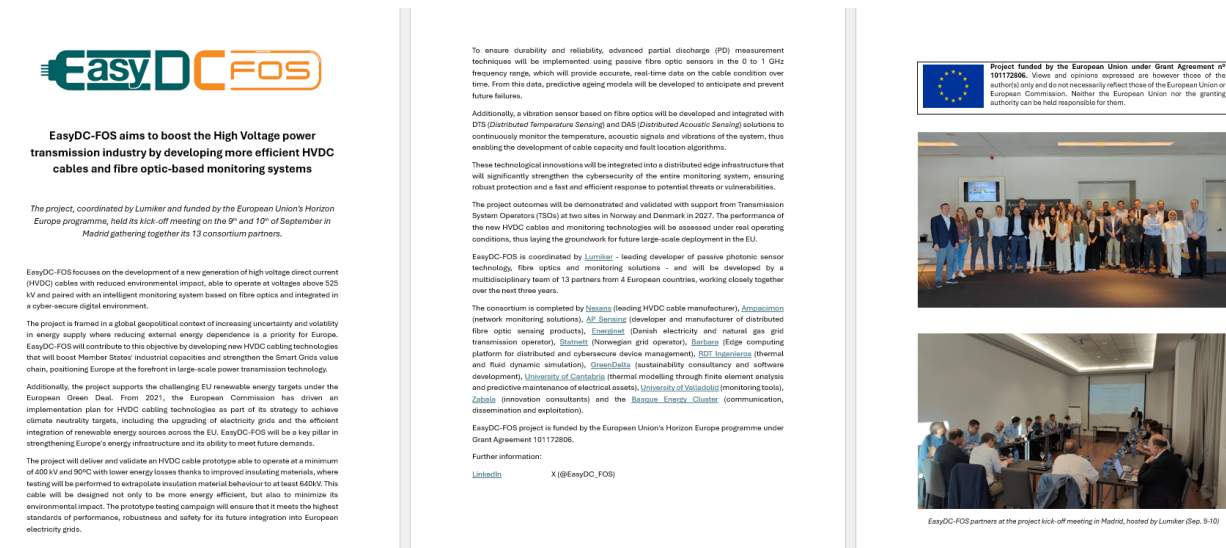


Figure 15 - Kick-off meeting press release

4 DISSEMINATION ACTIVITIES

The dissemination strategy of EasyDC-FOS is focused on ensuring that project results are shared with relevant stakeholders in a way that facilitates further use, collaboration, and uptake. The activities presented in this section are mainly addressed to specialist audiences, including technical and scientific communities, industry actors, and institutional stakeholders.

This chapter describes the main dissemination actions carried out during the first year of the project, grouped into three categories: events organised by the consortium, participation in international events and preliminary clustering activities with other EU-funded projects and platforms.

Whenever appropriate, dissemination content has also been shared on the EasyDC-FOS LinkedIn profile to maximise its visibility and published in the News section of the project website.

4.1 Events organised by the EasyDC-FOS consortium

To support the dissemination of the project objectives and technical developments, the EasyDC-FOS consortium has organised dedicated events during the first twelve months of implementation. These events are intended to reach targeted professional audiences and to create opportunities for direct interaction with stakeholders from the energy and research sectors.

4.1.1 Basque Energy Cluster Smart Grids Forum

One of the key dissemination actions carried out by the consortium during this first phase of the project was the participation in the Smart Grids Forum held on 29 November 2024 at Iberdrola's headquarters in Bilbao. The event, organised by the Basque Energy Cluster (ACE) and co-chaired by Iberdrola, brought together 68 professionals from 34 companies active in the smart grids value chain. The Forum serves as a stable platform for collaborative dialogue and technical exchange around future grid technologies and innovation trends. It meets twice a year at Iberdrola's premises in Bilbao and is designed to support joint R&D efforts and the integration of renewable energy sources into the grid.

LUMIKER and BARBARA, both members of the Forum, regularly attend these meetings and contribute to the discussions. EasyDC-FOS is expected to be showcased at least three times during the project implementation (2024–2027), to report on technical progress and share results with relevant stakeholders in the electricity sector.

During the November session, Manuel Muñoz Luengo, Managing Director of LUMIKER and Coordinator of EasyDC-FOS, delivered a presentation introducing the project. His talk covered the project context and objectives, as well as the technological developments being pursued and their expected impact. Special emphasis was placed on the relevance of advanced HVDC cable systems for the improvement of energy transmission networks, both in terms of efficiency and resilience.



By presenting the project in a forum of this nature, the consortium had the opportunity to raise awareness among key stakeholders in the electricity and digital infrastructure sectors, reinforcing the project positioning within ongoing discussions on smart and flexible energy systems.



Figure 16 – Project Coordinator presenting the EasyDC-FOS project at the Smart Grids Forum

4.1.2 Internal Workshop on Cable Modelling

A technical workshop on HVDC cable modelling was organised by the consortium and hosted by Nexans at their facilities in Halden (Norway) in November 2024. The aim of the session was to align modelling strategies across partners and create a common understanding of key technical parameters and requirements. The event brought together experts from several work packages involved in the development of models for space charge behaviour and thermal dynamics.

The workshop provided a space for discussion on current modelling approaches, input data, software tools and calibration strategies. Particular attention was given to the identification of critical parameters such as material properties and boundary conditions, which are expected to have a strong influence on model reliability. During the sessions, existing models developed by different partners were reviewed, helping to identify areas of convergence and remaining gaps.

This type of activity is especially relevant during the early stages of the project, when ensuring consistency in technical criteria can significantly impact later integration steps. By addressing modelling challenges jointly — including the difficulty of scaling and validating space charge

models, or the sensitivity of thermal models to conductivity and resistivity values — the consortium aims to establish a solid framework for subsequent simulations and validations.

In addition to the technical agenda, the workshop included a guided visit to Nexans' production and testing facilities. This provided a useful opportunity to connect theoretical modelling tasks with the practical aspects of HVDC cable manufacturing.



Figure 17 - Consortium members during the workshop at Nexans

4.1.3 OpenLCA.conf 2025

The EasyDC-FOS project was also featured at openLCA.conf 2025, held on 10–11 April in Berlin and organised by GreenDelta GmbH. The event brought together users and practitioners of the openLCA software, including professionals from academia, industry, and public institutions working on sustainability assessment.

GreenDelta, as partner responsible for the Life Cycle Sustainability Assessment (LCSA) in EasyDC-FOS, represented the project during the event. Their presentation focused on the comparative assessment being conducted between the new HVDC cable system under development and conventional alternatives. The methodology covers environmental, social, and economic aspects, and is designed to support the integration of sustainability criteria into the design and implementation of advanced cable technologies.

Beyond the LCSA, GreenDelta is also contributing to the definition of a regulatory framework that will help guide the future deployment of these technologies. This includes identifying indicators and thresholds, as well as incorporating eco-design principles through the systematic use of life cycle data.

Participation in openLCA.conf provided an opportunity to engage with a community of experts in sustainability assessment and share insights from the project work in this area. It also helped position EasyDC-FOS within ongoing discussions on how to embed life cycle thinking in energy infrastructure innovation.

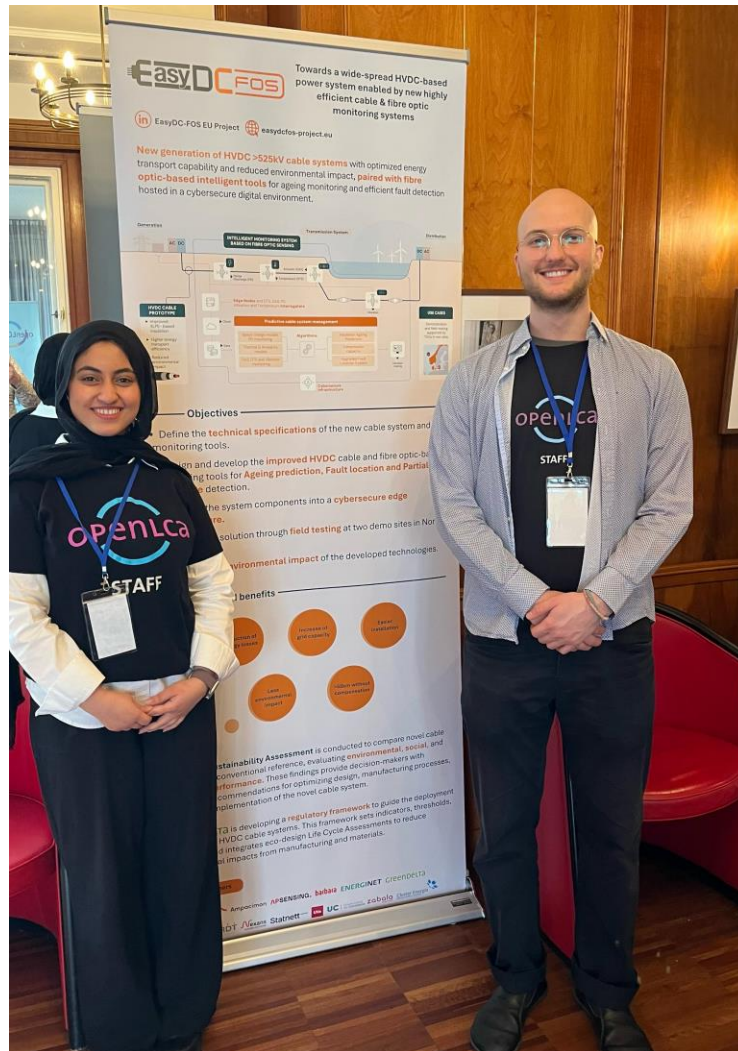


Figure 18 - GreenDelta's partners during OpenLCA.conf 2025

4.2 Participation in international events

4.2.1 Enlit Europe 2024, Milan

A key milestone in the international dissemination of EasyDC-FOS was the project participation in Enlit Europe 2024, held from 22 to 24 October in Milan. This event is one of the most prominent annual gatherings in the energy sector, bringing together over 15,000 participants and 500 speakers from across the electricity value chain. It serves as a platform for showcasing technologies and solutions that contribute to the energy transition, with a particular focus on transmission and distribution systems, smart grids, digitalisation, and HVDC technologies.

EasyDC-FOS was presented for the first time at an international event within the Smart Grids Basque Country pavilion, coordinated by the Basque Energy Cluster. The project objectives and expected results were featured in the pavilion's graphic panels, which highlighted a selection of initiatives led by Basque stakeholders in the field of grid innovation. This provided visibility to the project in a space that attracted industry professionals, researchers, policymakers and technology developers.

Participation in Enlit Europe contributed to raising awareness of EasyDC-FOS among transmission and distribution system operators, energy infrastructure companies, and other relevant stakeholders. The event offered a valuable opportunity to establish early connections and set the basis for future collaborations during the implementation of the project.



Figure 19 - Project partners at the Smart Grids Basque Country pavilion

4.2.2 WindEurope 2025, Copenhagen

The EasyDC-FOS project was also showcased at the WindEurope Annual Event 2025, held in Copenhagen from 8 to 10 April. The event attracted over 15,000 visitors and hosted more than 550 exhibitors, the event is one of the most prominent international gatherings for the wind energy sector, offering a space to exchange knowledge, explore new technologies, and connect with stakeholders across the energy value chain.

The project was presented within the Wind Energy Basque Country pavilion, coordinated by the Basque Energy Cluster. As part of the visual materials prepared for the stand, key messages about EasyDC-FOS, including its objectives and expected outcomes, were featured to help visitors understand the project role in advancing HVDC cable technology. In addition, EasyDC-FOS was included in a printed catalogue of collaborative R&D projects compiled and distributed at the event, providing attendees with clear, accessible information about the project contribution to the energy transition.

Participation in WindEurope 2025 offered international visibility and helped position the project within ongoing conversations around renewable integration and grid expansion. HVDC technologies, which are central to EasyDC-FOS, play a critical role in connecting offshore wind farms and enabling secure, long-distance electricity transmission. Engaging with this audience allowed the consortium to share technical progress, strengthen ties with key actors in the sector, and explore potential synergies for future collaboration.



Figure 20 - Wind Energy Basque Country pavilion with the EasyDC-FOS graphics

4.2.3 IPF Offshore Wind 2025, Virginia Beach USA

The EasyDC-FOS project was also showcased at the IPF Offshore Wind 2025 conference, held from 28 April to 1 May in Virginia Beach (USA). As one of the main offshore wind events in North America, IPF brought together over 4,000 participants, including industry leaders, policymakers, and technology developers from across the international wind energy sector.

EasyDC-FOS was presented within the Offshore Wind Energy Basque Country pavilion, coordinated by the Basque Energy Cluster. Visual materials prepared for the stand summarised the project key objectives and technological scope, making it easier for visitors to understand its contribution to next-generation HVDC cable systems. This format helped position the project in a strategic global market, with a focus on offshore infrastructure and long-distance electricity transmission.

HVDC technology plays a crucial role in connecting offshore wind farms to onshore grids. By participating in IPF 2025, EasyDC-FOS gained visibility among a highly targeted professional audience and contributed to the international recognition of European research in this area. The event also offered valuable opportunities to strengthen ties with other initiatives and explore potential collaboration pathways for future developments.



Figure 21 - Offshore Wind Energy Basque Country pavilion during IPF Offshore Wind 2025

4.3 Clustering with other EU initiatives and platforms

The EasyDC-FOS consortium has identified a number of EU-funded projects that address related topics in the areas of HVDC cable development, condition monitoring, and hybrid grid architectures. Establishing collaboration with these initiatives will help promote the exchange of knowledge, explore technical synergies, and strengthen the coherence of European R&I efforts in this field.

Several of the identified projects involve partners that also participate in EasyDC-FOS, which may facilitate future coordination. Although no joint events have yet been organised, the consortium aims to initiate interactions in the coming months, as technical developments mature and preliminary results become available.

The following projects have been identified as particularly relevant for clustering:

NEWGEN – New generation of HVDC insulation materials, cables and systems (2022–2026)

The project is focused on the development and demonstration of innovations in HVDC cable technology. This includes the use of space charge mitigating additives for extruded insulation materials, new solutions for defect-free thermoplastic HVDC cable manufacturing, and the implementation of a pre-fault monitoring system for real-time condition assessment. Additionally, NEWGEN aims to model and evaluate the lifetime and reliability of cables, joints, and terminations under real operating conditions.

InterOPERA – Enabling interoperability of multi-vendor HVDC grids (2023–2027)

InterOPERA aims to ensure that future HVDC systems are interoperable by design. It works on defining functional specifications and standardised interfaces that will allow components from different manufacturers to operate together. The project also focuses on improving the grid-forming capabilities of offshore and onshore HVDC converters. Partners Statnett and Energinet, who are also involved in EasyDC-FOS, participate in InterOPERA.

SoFin – Software-enabled fibre optic multisensing network (2022–2026)

SoFin develops a modular, adaptive fibre optic sensing system for various applications, including high-voltage cables. It combines novel photonic technologies with advanced signal processing and cloud-based monitoring platforms. The system is being validated through laboratory tests and three real-world use cases. Energinet, a partner in EasyDC-FOS, is also involved in this project.

HVDC-WISE – HVDC-based grid architectures for reliable and resilient widespread hybrid AC/DC systems (2022–2026)

The project is working on the development of a planning toolset for hybrid grid design, exploring various HVDC-based architectures with a focus on system reliability and resilience. It assesses the technical and economic viability of emerging HVDC technologies and validates the proposed solutions in an industrial context. Like SoFin and InterOPERA, HVDC-WISE includes participation from Statnett and Energinet.



In addition to these initiatives, the consortium has identified DCDYNAMIC and CABLEGNOSIS — two projects funded under the same Horizon Europe topic as EasyDC-FOS (HORIZON-CL5-2024-D3-01-15) — as particularly relevant for future clustering activities. Given their thematic alignment, they represent suitable opportunities for knowledge exchange and joint dissemination once preliminary results become available.

DCDYNAMIC – Accelerating DC dynamic cable technology for a sustainable European electricity grid (2024–2028)

This project aims to validate a new generation of dynamic HVDC export cables, including the study of ageing mechanisms under electro-mechanical and thermal stress. It also addresses circularity aspects by identifying sustainable materials and validating recyclability. A key outcome will be the design, manufacture, and validation of a 320 kV prototype cable core for floating offshore wind applications.

CABLEGNOSIS – Life Cycle Centre for Power Cable Diagnosis (2024–2027)

CABLEGNOSIS focuses on advanced cable insulation and conductor technologies, aiming to improve performance and environmental sustainability. It includes the development of recyclability strategies, AI-based remote condition monitoring tools, and studies on the feasibility of superconducting cables for offshore applications. Validation will take place in five countries: Italy, the UK, Greece, Hungary, and Cyprus.

During the first twelve months of the project, efforts have focused primarily on launching the technical activities, defining specifications, and coordinating internal developments. As the project advances into its implementation phase, the consortium will progressively activate interactions with the identified projects through mutual exchanges, joint sessions or targeted workshops. This will support the dissemination of early results, facilitate access to complementary expertise, and enhance the long-term impact of EasyDC-FOS within the European research landscape. In this sense, preliminary contact has been established with CABLEGNOSIS project, in order to promote knowledge sharing through collaborative activities during the second project year.



5 CONCLUSIONS

During the first year of EasyDC-FOS, significant progress has been made in establishing the foundation for the project communication and dissemination activities. A wide range of materials has been produced, including the project identity, brochures, infographics, newsletters, and the website, which have served as a consistent and effective support for the various dissemination activities carried out to date. These materials have enabled the consortium to explain the project concept, objectives, and expected outcomes to a broad audience and to build a recognisable presence across events.

Communication efforts during this initial phase have focused mainly on introducing the project and raising awareness of its goals and planned impacts. As the project progresses into its second year, more emphasis will be placed on dissemination activities, involving sharing concrete technical results as they become available. In particular, it will be important to strengthen the project presence at international events, ensuring visibility among key stakeholders in the sector. Participation in scientific and technical conferences will also play a key role in disseminating the outcomes to specialised audiences.

Finally, collaboration with other EU-funded projects should be reinforced in the coming period. Organising joint workshops and shared activities can be highly beneficial, creating opportunities to exchange knowledge, align approaches, and increase the overall impact of European research in this field.

