project eWAVE

Efficient HV-electric modular battery and distribution systems for sustainable WAterborne VEssels

Deliverable D8.1:

CD material available & updated CDE plan

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Deliverable Type	Report / DEC
Dissemination Level	Public
Due Date (Annex I)	31.07.2025 (Month 06)
Pages	64
Document Version	Final
GA Number	101192702
Project Coordinator	Marcel Egger | i2m

Funded by the European Union

project eWAVE is funded by the European Union's Horizon Europe research and innovation programme under grant agreement No. 101192702

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Version Log			
Rev #	**Date**	**Author**	**Description**
0.1	27.06.2025	Willar Vonk (TechConcepts)	Draft
0.2	01.07.2025	Shuai Wang (DNV)	Input and review
0.3	04.07.2025	Nicky Athanassopoulou (IfM Engage)	Input and review
1.0	08.07.2025	Marcel Egger (i2m)	Quality review
1.1	11.07.2025	Werner Rom (SYRION)	Quality review
2.0	21.07.2025	Willar Vonk (TechConcepts)	Review addressal – final draft
Final	30.07.2025	Marcel Egger (i2m)	Coordinator review and approval, deliverable ready for submission

FUNDING ACKNOWLEDGEMENT AND DISCLAIMER

This project is funded by the European Union's Horizon Europe research and innovation programme under grant agreement No. 101192702 (eWAVE). Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Climate, Infrastructure and Environment Executive Agency (CINEA). Neither the European Union nor the granting authority can be held responsible for them.

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PROJECT ABSTRACT

The maritime sector faces challenges in transitioning to sustainable, all-electric vessels. Key obstacles include low energy density in current battery systems, safety concerns, and the need for durable, sustainable materials. Economic viability also remains a significant barrier for widespread adoption. To address these issues, the EU-funded eWAVE project brings together 18 experts from research, technology, and shipbuilding to advance high-voltage (HV) technology for electric vessels. By developing high-energy-density batteries, scalable modular systems, and an integrated safety concept, eWAVE aims to enhance the sustainability, safety, and efficiency of maritime transport. The project will also explore circularity through bio-based materials and recycling, supporting the EU's goal of reducing the environmental footprint of shipping.

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Public Summary

This deliverable report (D8.1) includes the first update of the initial Communication, Dissemination and Exploitation (CDE) Plan for the eWAVE project from the proposal phase. This initial plan includes Communication, Dissemination and Exploitation plan development activities to be implemented during the eWAVE project.

It covers all planned aspects regarding communication and dissemination and the associated target groups to be involved. It also includes a description of the communication tools and materials that are made available for the communication about project eWAVE. Additionally, the communication measures to be put in place for each of the foreseen activities are described, including the tools to be used and the timings. Finally, it summarises the the process to identify unforeseen Key Exploitable Results and develop exploitation plans for all tKey Exploitable Results.

1 Introduction

1.1 Introduction of project eWAVE

The maritime sector faces challenges in transitioning to sustainable, all-electric vessels. Key obstacles include low energy density in current battery systems, safety concerns, and the need for durable, sustainable materials. Economic viability also remains a significant barrier for widespread adoption.

To address these issues, the EU-funded eWAVE project brings together 18 experts from research, technology, and shipbuilding to advance high-voltage (HV) technology for electric vessels. By developing high-energy-density batteries, scalable modular systems, and an integrated safety concept, eWAVE aims to enhance the sustainability, safety, and efficiency of maritime transport. The project will also explore circularity through bio-based materials and recycling, supporting the EU's goal of reducing the environmental footprint of shipping.

1.2 Objectives of this deliverable

Within the eWAVE project, Work Package (WP) 8 is designed to handle all the Communication, Dissemination and Exploitation activities. The aim of these activities is to maximise impact, as described in the Communication, Dissemination and Exploitation Work Package description (WP8) as well as section 2 of the proposal. These sections of the proposal form the starting point of this Communication, Dissemination and Exploitation (CDE) plan.

This deliverable D8.1 builds on the initial strategies and plans outlined at the proposal stage and serves as an addition to the Grant Agreement. It presents the communication, dissemination and exploitation strategy for the eWAVE project, as well as strategies for monitoring of the activities and their results.

To promote executability of this CDE plan, this document connects to the task structure of Work Package 8. In Work Package 8 the following tasks are appointed to execute the Communication, Dissemination and Exploitation activities:

- Task 8.1: Communication
- Task 8.2: Dissemination
- Task 8.3: Exploitation
- Task 8.4: Standardisation & Certification

The relation between the structure of this document and the individual tasks is further detailed in paragraph 1.3

This document is a 'living document' that will be updated in project Month 24 and Month 48. The updates will include the mid-term and final results of the Communication, Dissemination and Exploitation activities, including standardisation and certification activities, as well as an updated CDE plan.

Attainment of the objectives and explanation of deviations

The objectives of this deliverable are achieved without any deviations.

1.3 Structure of the document

Chapter 2 of this report provides general definitions of Communication, Dissemination and Exploitation (CDE) in Horizon Europe projects, which serve as guideline for the CDE activities in the eWAVE project. Chapter 2 also defines the objectives of the CDE activities and the CDE KPIs that should be achieved according to the Grant Agreement. Then, Chapter 2 describes

the four-step approach for the CDE activities that is deployed to achieve the project's CDE objectives and KPIs and defines the Target audiences for the CDE activities. Finally, Chapter 2 briefly discusses the Open Science and research data management practices deployed in the eWAVE project, as well as the GDPR consent procedure for Communication and Dissemination activities.

Chapter 3 directly connects to task 8.1 "Communication" and more in deep elaborates the Communication strategy of the eWAVE project for large scale promotion of the project and its results. Chapter 3 also displays the Communication materials that were developed for project eWAVE, which partners can use to inform stakeholders about the project. Chapter 3 also displays the Media Kit Guide, which informs the partners about the available media kit items and tools, like the website, flyers, banners, logo, icons, videos, etc. The Media Kit Guide informs the partners where to find these items and tools, and how to use them. It also provides information to the partners on how to correctly acknowledge EU funding and register dissemination activities, like presentations and open access publications.

Chapter 4 also directly connects to task 8.1 "Communication" and describes the communication strategy for customized communication with stakeholders. This includes clustering activities, networking, and direct interaction with stakeholders, as well as collaboration with BEPA.

Chapter 5 then details the dissemination strategy that will be followed in project eWAVE, including an elaboration of the dissemination plan and a summary of the dissemination rules. This directly connects to task 8.2 "Dissemination". Chapter 5 also describes the procedures and tools for updating the dissemination plan and activity monitoring.

Chapter 6 describes the exploitation strategy that will be implemented during the execution of the eWAVE project, which is organized in task 8.3 "Exploitation". This includes a definition of potential exploitation routes, the process for exploitation plan developmentand procedures for identifying additional / unforeseen Key Exploitable Results. Further, Chapter 6 also describes the specific measures that will be taken to ensure exploitation of results through the Standardization and Certification route. The exploitation of results through the Standardization and Certification route is organised in task 8.4 "Standardisation & Certification". Chapter 6 also describes how awareness of the possibilities of the Horizon Results Booster's services will be raised among project partners.

Finally, Chapter 7 briefly summarizes the conclusions of this deliverable.

2 Project Communication, Dissemination and Exploitation

2.1 Definition of Communication, Dissemination and Exploitation

As per the EC website FAQs, there is a strong relation between communication, dissemination, and exploitation.

Communication is about informing direct stakeholders and the public about the project and the results through promotion and ensuring that information about the project is available for each target group at an understandable level, informing them in a way that their information need is addressed.

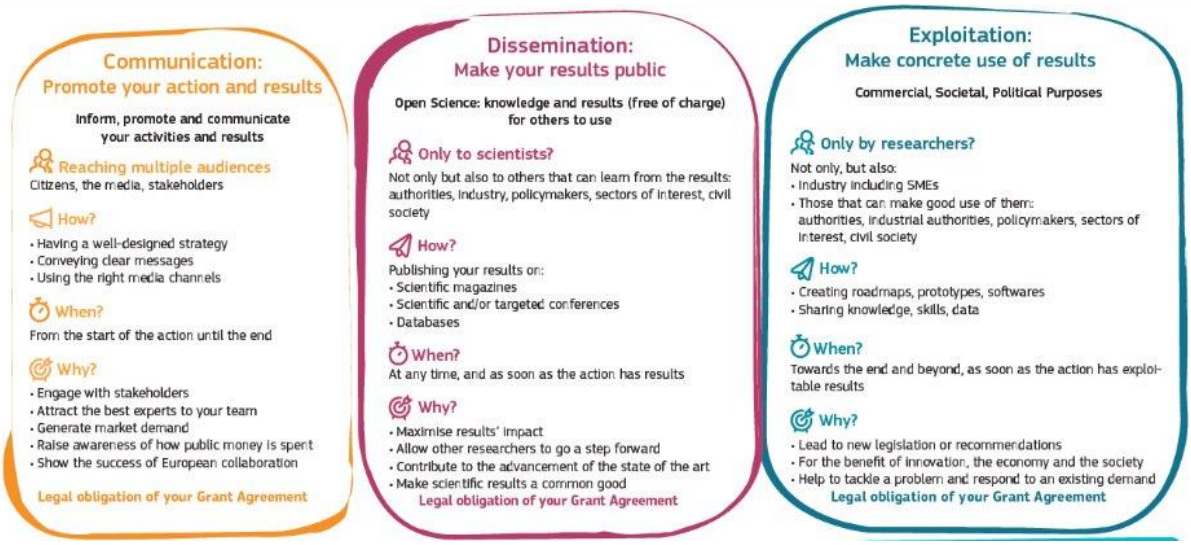
Dissemination means sharing results with potential users - peers in the research field, industry, other commercial players and policymakers. By sharing research results with the rest of the scientific community, the project contributes to the progress of science in general.

Exploitation is the use of results. It can be for commercial purposes but also for improving policies, for scientific purposes, and for tackling economic and societal problems. An appropriate exploitation is based on the dissemination and communication actions aiming at promotion and awareness-raising right from the beginning of a project. It makes results known to various target stakeholder groups (e.g. research peers and the scientific community, industry and other commercial actors, policymakers, and the broader public) to enable them to use the results in their own work.

To ensure maximum outreach of the project activities and results, it is of paramount importance to have a plan for dissemination and exploitation and a communication strategy that outlines strategic and targeted measures for promoting project results.

To ensure proper understanding of the terminology, eWAVE will follow the following distinction between dissemination, exploitation and communication as presented in Figure 2.1. This figure is taken from the EC "Communication, Dissemination and Exploitation quick guide"[1].

Figure 2.1: Distinction between Communication, Dissemination and Exploitation



[1] https://ec.europa.eu/research/participants/docs/h2020-funding-guide/imgs/quick-guide_diss-expl_en.pdf

2.2 Objectives of the CDE activities

Work Package (WP) 8 of the eWAVE project will handle all the Communication, Dissemination and Exploitation activities. As per the Grant Agreement, the overall objectives of WP8 are to:

- Widely and effectively communicate and disseminate important project results to the various stakeholders within the maritime industry and support knowledge transfer to the engineering and scientific community at large.
- Generate high impact by carrying out planned and customised communication activities towards relevant TGs and stakeholders like industries in the battery and maritime sector.
- Create knowledge exchange and project synergies through clustering activities.
- Support industry partners in the exploitation of relevant project results and uptake of novel technologies and solutions developed within the project.
- Ensure all partners from all technical work packages will contribute to the dissemination by timely submission of scientific publications of key project results.
- Develop an exploitation plan to help the industry partners exploit key results and innovations from the project.

2.3 Communication and Dissemination KPIs

As per the Grant Agreement, the KPIs presented in Table 2.1 are set for the Communication and Dissemination activities. The table includes reference to the general purpose of each measure, the target groups (TGs, as further detailed in paragraph 2.5 of this report), the partners that are in lead of the coordination of the activity (not meaning that other partners are not involved), and the specific task or Work Package that is related to the specific activity.

Table 2.1:KPIs for the different Communication and Dissemination measures in project eWAVE

Dissemination / Communication Measure	purpose	Key performance indicators	Target Groups	Lead Partner	related task
Updates on Project website	General information	≥ 8 updates & ≥500 views/year	all TGs	TechConcepts	8.1
Organization of workshops	Knowledge exchange	≥ 1 workshops/year	TG 4-8, 9-10	All partners	WP8
Participation in Conferences	Knowledge exchange	> 10 conferences	all TGs	All partners	8.2
Open Access publications	Research	> 5-10 publications	TG9-10	All partners	8.2
Online magazines, newspapers	General information	≥ 4 newsletters	all TGs	TechConcepts	8.1
Clustering activities	Knowledge exchange	≥ 1 activity / year	TG7-9, 11	All partners	8.1

2.4 Methodology and Approach

WP8 is led by partner DNV (contacts Shuai Wang and Knut Erik Knutsen). All partners are involved in WP8 and partners DNV, I2M, SYRION, SINTEF, FM , DLR, LBF, IFM, DAMEN, FREIRE, FARPLAS, IFAG, SIE and TC have allocated person months to provide active contribution to the Communication, Dissemination and Exploitation activities in WP8, ensuring impact is achieved for all project results.

To achieve the Communication, Dissemination and Exploitation objectives, eWAVE deploys a four-step approach for communication, dissemination and exploitation, as presented in Figure 2.2 as a guiding principle.

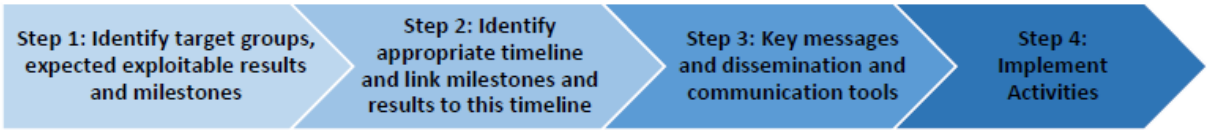


Figure 2.2: eWAVE communication, dissemination and exploitation strategy in a four-step approach

2.4.1 Step 1: Identify target groups & expected exploitable results

The Grant Agreement already identifies the TGs that form the main stakeholder community for project eWAVE. These TGs are detailed in paragraph 2.5 of this document.

The Grant Agreement also identifies the Key Exploitable Results (KERs) that were foreseen in the project proposal[2]. Paragraph 6.2 of this document details the process for identification of new / unforeseen KERs during the execution of the project and the plan for further elaboration of the KERs.

2.4.2 Step 2: Identify appropriate timeline and link milestones and results to this timeline

The consortium has identified a preliminary and project coherent communication, dissemination, and exploitation timeline, linking the expected results to a date in time along the timeline. The owners are responsible for timely disseminating the results at the indicated date and time. This document includes a preliminary plan for the Communication activities in section 3 and a preliminary plan for the Dissemination activities in section 5, guiding the Communication and Dissemination activities with an appropriate timeline and linking milestones as well as results to this timeline.

2.4.3 Step 3: Define key messages, and linked TG and dissemination / communication tools

a. Identify appropriate messages to disseminate the results

When milestones and results are achieved, eWAVE will create key messages for relevant TGs, defining and relaying the benefits and vision of the project, linked to the new innovations and results developed. Clear messages will communicate the validated intermediate and final outcomes of the project in general, via the website, social media, presentations, publications, newsletters and other means. Messages might be different depending on the TG.

b. Select dissemination tools to disseminate the results for each key message and TG

The tools (e.g., presentation on external events, publication, and articles in technical press) will be used to inform about the project solutions, the benefits as well as on the replication potential. It will be important to select the right mix of tools related to the specific goals: for example, depending on the type of the target audience and goals, a different set of tools is necessary to reach and involve them. This can vary among networking events, virtual events, print media, interactive events, a roadshow, or others.

[2] Grant Agreement n° 101192702, Annex 1 - Part B: technical description - Table 2.6

2.4.4 Step 4: Implement activities

From Month 1 onwards, the communication and dissemination activities are taking place, according to the strategy and timeline as highlighted in sections 3, 4 and 5 of this plan. Partner IfM will keep track of all the communication and dissemination activities carried out and will report them in the deliverables D8.2 (due in Month 24) and D8.3 (due in Month 48).

In summary, the eWAVE project will:

- Create and maintain a public website portal for the project providing a press package containing downloadable project sheet press releases, eWAVE project videos, newsletters, etc.
- Ensure engagement of Waterborne TP/ZEWT and the Horizon Europe Batteries Partnership as well as ensure clustering activities with projects from the topics HORIZON-CL5-2021-D2-01-02 and -03 and with the sister project of eWAVE, project HARPOONERS
- Communicate/disseminate the knowledge – after protection of intellectual property – to the international waterborne transport community and beyond.
- To achieve the highest impact in standardization and to accelerate the transfer of relevant results into the market, eWAVE will set out a roadmap for contributing to different standardization technical committees
- Publish results in peer-reviewed journal articles
- Present results in scientific conferences

All these activities are further detailed in this plan (the present document: deliverable D8.1).

2.5 Target audience and related innovations and KERs

2.5.1 Target Groups for project eWAVE

The table below outlines the primary Target Groups (TGs) that are identified for the eWAVE project, including their relative importance, and the innovations and KERs that are of interest to each group, around which key messages can be created. Understanding and engaging with these TGs is essential for achieving the desired impact:

Table 2.2: eWAVE Target Groups (TGs), their relative importance, and eWAVE innovations and KERs that are of interest to each group

#	Type	Importance	Innovations of relevance	KERs of relevance
TG1	Ship operators (maritime & inland)	Medium	I-3 to I-5	KER1, KER2, KER4, KER6, KER13
TG2	Ports and terminals (charging infrastructure…)	Medium	I-3, I-4	KER4, KER6
TG3	Technology providers and integrators (Electric storage system and converter providers, Software developer for ship systems, Simulation & Digital Twin experts)	High	All innovations	All KERs
TG4	Engineering & Consulting Services (marine & inland)	High	All innovations	All KERs

TG5	Shipyards (maritime & inland)	High	All innovations	KER3, KER4, KER5, KER13, KER15, KER17
TG6	Application Sectors (Sustainability & Circularity solutions: 2nd-life applications, LCM…)	High	I-1, I-5	KER1, KER2, KER10
TG7	Associations, partnerships & networks (Maritime and inland waterway Partnerships, EU Technology/Industry Associations, National associations)	Medium	I-4 to I-6	KER1, KER2, KER4, KER10, KER11
TG8	Policy makers (European Commission, regulators [Standardization, Certification bodies], public agencies, classification societies)	High	I-4 to I-6	KER1, KER2, KER4, KER6, KER11, KER12, KER13
TG9	Scientific Community	High	All innovations	All KERs
TG10	Students and young researchers	High	All innovations	All KERs
TG11	Broader public	Medium	I-4, I-5	KER1, KER2, KER6

2.5.2 Key Innovations and KERs

The Grant Agreement defines 6 main innovations that will be realised and that might be of interest to specific TGs:

- Innovation I-1: New battery chemistry, light-weight housing design and wireless BMS to enable high energy density battery system
- Innovation I-2: High voltage BSs using scalable modular power electronic converters and insulation
- Innovation I-3: Applicability of modular BS to other grid types (bipolar DC-, AC-, shore side- grids)
- Innovation I-4: Methods to improve Battery State Estimation and Safety
- Innovation I-5: Investigation of concepts for improving sustainability and circularity of BSs
- Innovation I-6: Novel electric system topologies and control for different ship types with Digital Twins

The Grant Agreement also defines a list of 21 KERs that were foreseen during the project development phase[3], including the relevant project partners, IP Management strategies, Exploitation strategies beyond eWAVE, and TGs that might be interested. The list of KERs is not included in this public deliverable, because it contains project confidential information.

[3] Grant Agreement n° 101192702, Annex 1 - Part B: technical description - Table 2.6

2.6 Open Science practices and research data management

Deliverable D1.2 Data Management Plan is submitted in parallel to this document in M6 and outlines how the project makes research data FAIR (findable, accessible, interoperable, re-openable).

Open access to the project's peer-reviewed scientific publications will be provided with the highest standard when possible. Public deliverables holding high dissemination value will be published in a public form and, if necessary, adapted to specifically target intended audiences. Additionally, given the high value of and efforts spent on producing the content, adequate protection of the project's image as well as the content integrity (e.g., against decontextualization) is crucial. All public project materials will be made available through the project website. For data to be made publicly available, the project coordinator (i2m) will use an open-access repository linked to EC-recommended platforms (e.g., open AIRE) to provide access to publications and standardized bibliographic metadata, including information requested by the EC

The eWAVE partners will ensure Open Access using open access publication practices for scientific/technical papers, such as green/gold open access options and publication of accepted manuscripts on relevant sharing platforms (in accordance with the publishers' rules) prior to final publication.

2.7 GDPR consent

To ensure that proper privacy of various individuals participating in the project is properly protected during project communication and dissemination activities, all partners were requested to sign a GDPR consent form (see Annex A). The signed GDPR forms were collected and - together with a list of GDPR contact persons from each project partner - stored on the eWAVE project repository managed by i2m.

3 Communication strategy for large scale promotion

High volume communication activities are carried out to raise awareness about the eWAVE project, build an eWAVE community of interested people, and for broader dissemination of project results. For this purpose, the communication manager (TechConcepts) prepares and distributes project eWAVE newsletters, manages online presence of project eWAVE and has developed a corporate eWAVE identity and communication tools and materials.

3.1 Media Kit Guide for partners

A “Media Kit Guide” is developed for the partners in the eWAVE project. It informs the partners about the available media kit, such as the website, flyers, banners, logo, icons, videos, etc. It provides clear instructions where to find these items and tools and how to use them. It offers guidance on how to correctly acknowledge EU funding and how to register dissemination activities, including presentations and open access publications. The guide also provides summarized information about the GDPR consent procedures and the Open Science practices and research data management within the eWAVE project.

Partners can browse through this guide through the table of contents. The media kit guide is a living document and is regularly updated. The media kit guide is written by communication manager of the eWAVE project and all partners are invited to send questions, suggestions, additional information requests, ideas and remarks to the communication manager. The initial version of the Media Kit Guide can be found in Annex B of this plan.

3.2 eWAVE corporate identity

3.2.1 Logo

The logo forms the basis of the eWAVE corporate identity. TechConcepts and SYRION have developed in total four options for the eWAVE project logo. These options were presented to the project partners before the Kick-off meeting on 5 March 2025, along with a rationale per logo. The logo options and rationale are presented in the figure below.

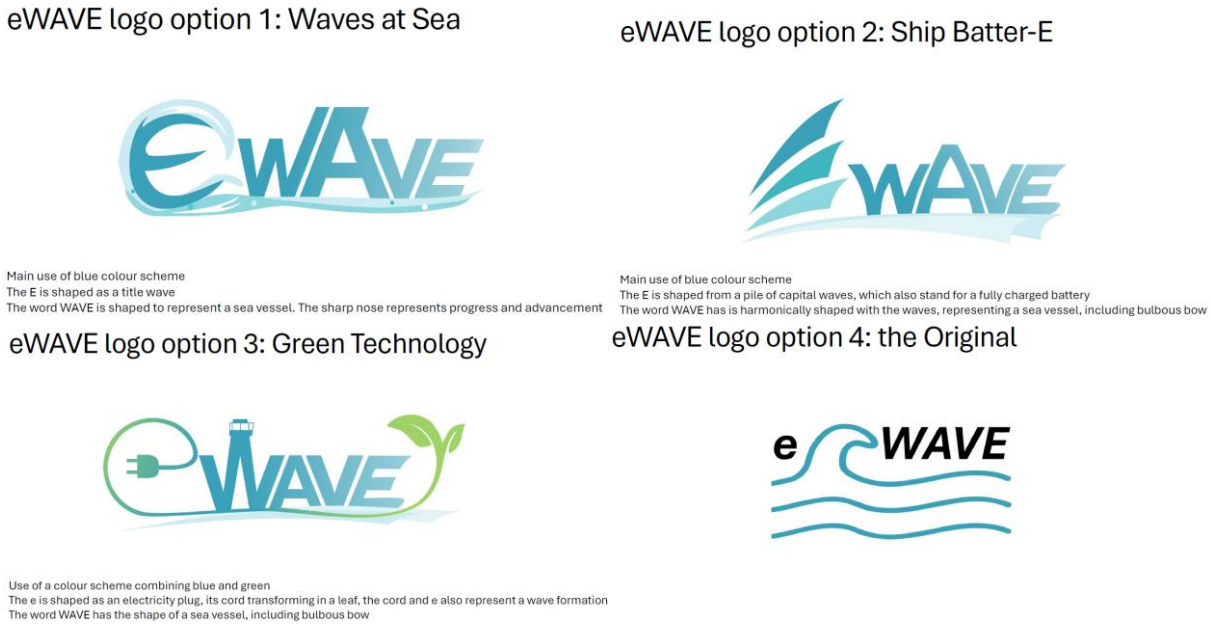


Figure 3.1: The four logo options that were presented to the partners.

During the Kick-off meeting on 13 March, a democratic voting process was organized via Mentimeter[4] to elect the logo for project eWAVE from the four options. In this process, each project beneficiary received 1 vote.

During this process, logo option 3, “Green Technology”, was elected as the winning logo, receiving 43% of the votes. The other options received 24% (option 2), 19% (option 1) and 14% (option 4) of the votes respectively.

The elected eWAVE logo is presented in Figure 3.2. The logo uses a colour scheme combining blue and green, representing the “Blue economy” and the “Green transition”. The “e” is shaped like an electricity plug, with the cord transforming into a leaf. The cord and the “e” also represent a wave formation. The word WAVE has the shape of a sea vessel with a bulbous bow.

Figure 3.2: the eWAVE logo, titled “Green Technology”

On request of IFAG, TechConcepts performed a Trademark analysis on the project name eWAVE. The results of this analysis were presented in the Kick-off meeting on 13 March 2025 and are also presented in Figure 3.3.

[4] www.mentimeter.com

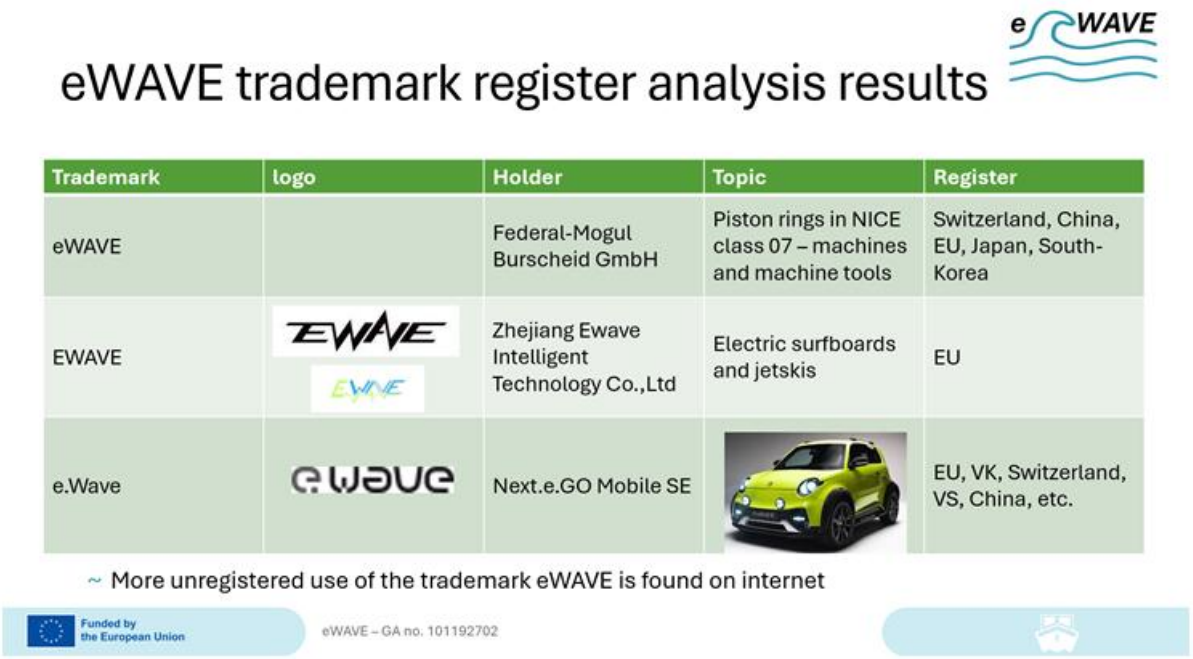


Figure 3.3: Main conclusions of the eWAVE trademark register analysis results

Based on this analysis, a follow-up discussion took place during the Work Package (WP) leader meeting on 4 April. In this meeting, the project coordinator i2m explained their considerations regarding the trademark risks. After an internal discussion, it was decided within the consortium that the risk is considered low because eWAVE will not be used for any commercial product or service and the name eWAVE will be kept.

In the unlikely event a conflict arises, in general such conflicts are resolved before any court actions happen, so also the expected risk for legal fees are expected to be low.

Therefore, in the WP meeting of 4 April, it was decided that:

1. No change to the name will be made.
2. “Potential trademark conflict” will be identified as a project risk in the project risk management log.
3. i2m will raise this risk in its next harmonization round with the PO to get the thoughts / opinion of the PO.
4. If any owner of potentially conflicting trademarks comes forward, eWAVE will change the project name if required.

3.2.2 Colour palette and typography

Based on the elected logo, the colour palette for the eWAVE project has been defined. This palette is shown in the figure below.

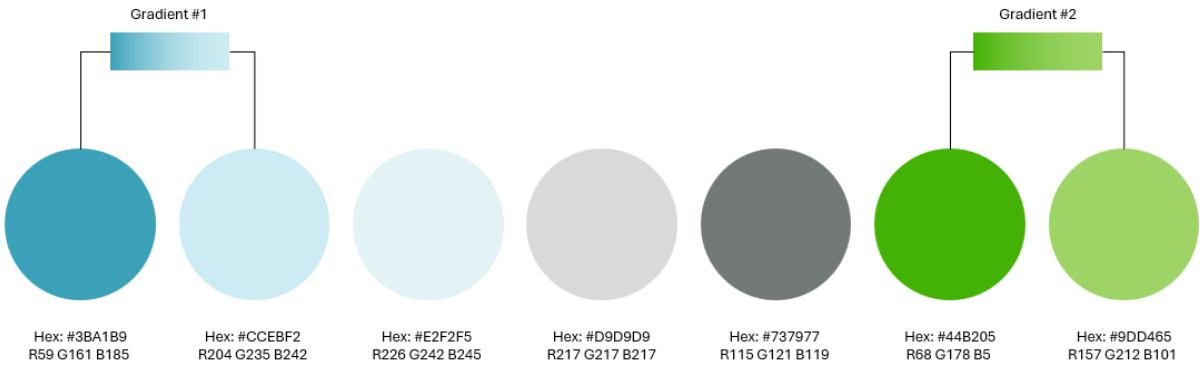


Figure 3.4: The eWAVE colour palette

The preferred font for deliverables is Arial 11pt in black colour, while Arial 16pt, 14pt and 12pt in blue colour (Hex #3BA1B9) are used for titles. Different variations of colours and font sizes can be used for printed and digital visual materials. In Powerpoint presentations, eWAVE uses the Aptos (body) font.

3.2.3 Document templates

Several document templates have been created for the eWAVE project, bearing the eWAVE corporate identity. The most important document templates are the PowerPoint and deliverable templates, as presented in Figure 3.5. and Figure 3.6.

Figure 3.5: eWAVE PowerPoint template

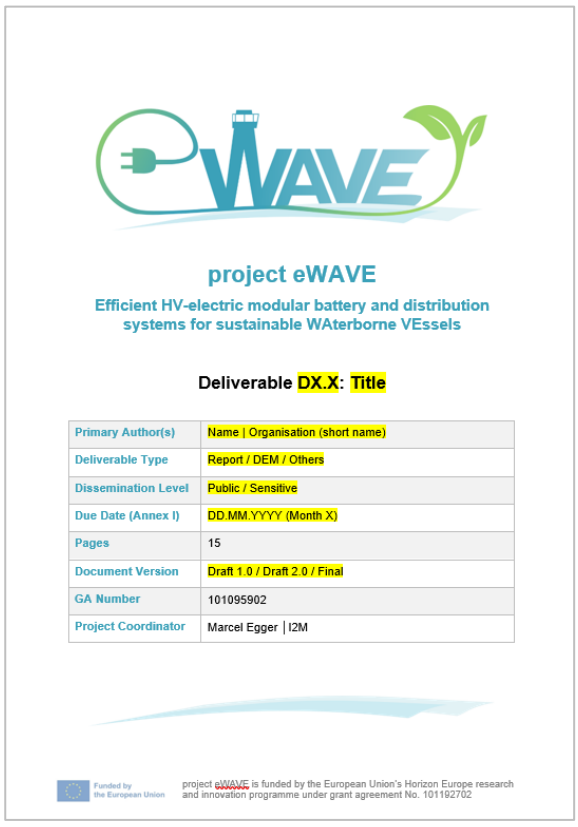


Figure 3.6: eWAVE deliverable template

3.3 EU funding acknowledgement

During the kick-off meeting and in the Media Kit Guide, partners were instructed to correctly acknowledge the EU support during communication and dissemination activities. For this purpose, the following funding acknowledgement statement and disclaimer was developed:

> *"This project is funded by the European Union's Horizon Europe research and innovation programme under grant agreement No. 101192702 (eWAVE). Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Climate, Infrastructure and Environment Executive Agency (CINEA). Neither the European Union nor the granting authority can be held responsible for them."*

This funding acknowledgement statement and disclaimer, including the correct use of the European flag (emblem), were presented during the kick-off meeting. This information is also available to the partners in the Media Kit Guide and in the "Communications Materials" folder in the project repository.

3.4 eWAVE website

A project website has been set up by TechConcepts, which was launched on 18 July 2025 at the following URL: https://ewave-project.eu/. A screenshot of the project website is presented in Figure 3.7.

Before the official launch of the full website, a basic landing page was developed and launched on 17 March 2025, directly after the kick-off meeting. This landing page contained the press release (as presented in paragraph 3.8).

The basis of the website content for the full website was developed in a Word-document and made available for feedback by the partners. After the website content was agreed, the website was built online and launched.

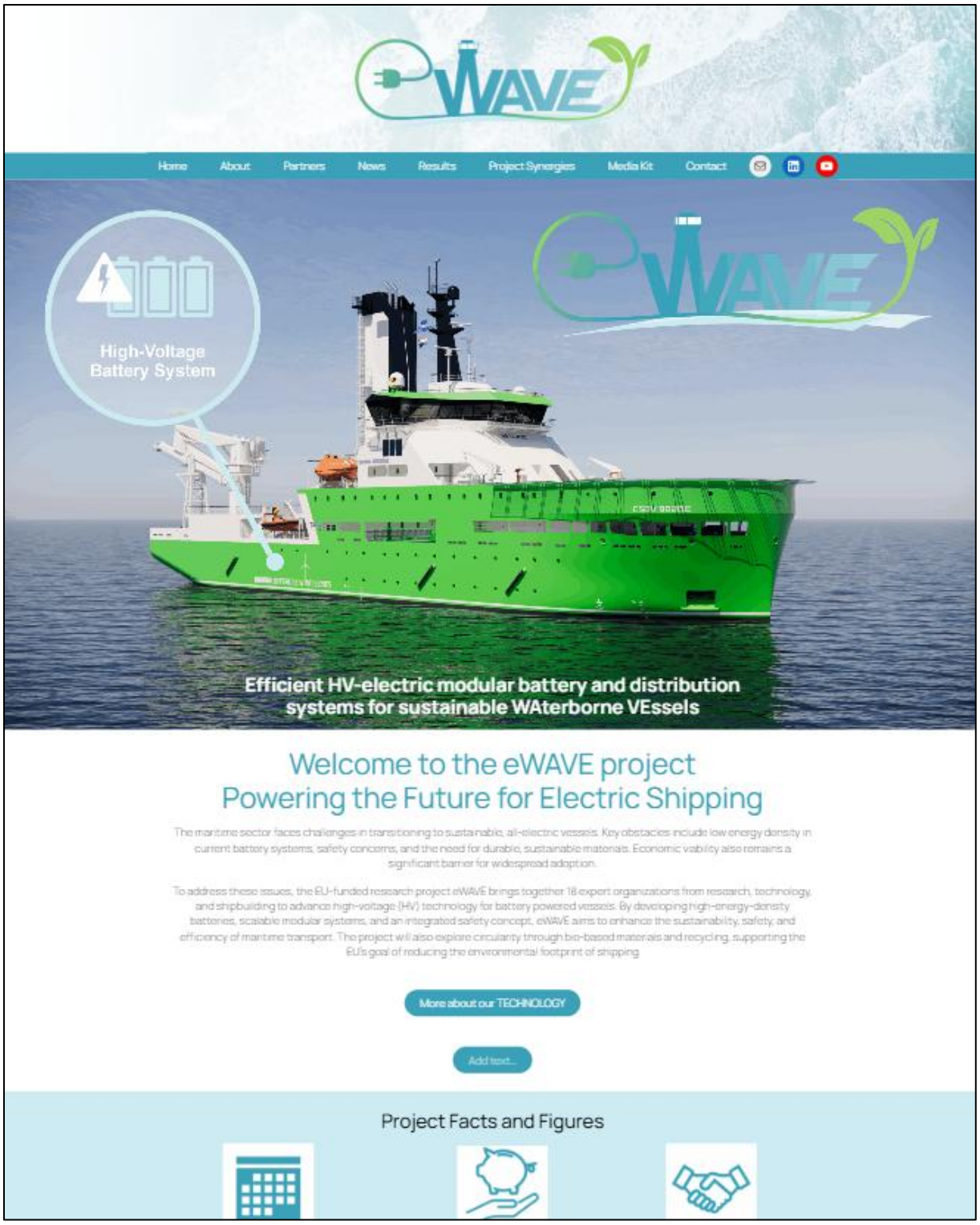


Figure 3.7: Screenshot of the eWAVE webpage found on https://ewave-project.eu/

The website serves as an open-access repository for the eWAVE results. The website is updated at least every 6 weeks. Partners will regularly be asked for input and wishes for these updates. TechConcepts will pro-actively post news items and eWAVE results on the website, in consultation with the partners when appropriate. As an effect, the website will gradually grow throughout the project.

3.5 Use of Social Media channels

Apart from the project website, eWAVE uses 2 main Social Media channels to gain online presence and showcase the project and its results to the public. These channels are an eWAVE LinkedIn channel and an eWAVE YouTube playlist, as further presented below. For the website and the social media channels, a content planner has been developed, which is presented in paragraph 3.6 of this document.

3.5.1 eWAVE LinkedIn channel

A LinkedIn account was created for the project: https://www.linkedin.com/company/ewave-project/. TechConcepts is responsible for the management of the content of this channel, for which a content planner has been developed which is presented in paragraph 3.6. TechConcepts also regularly tracks the follower and views statistics, as input to the GA meetings, the periodic reports and updates of the CDE plan.

Posts on the LinkedIn channel will be guided by typical hashtags, such as: #CINEA, #ZEWT, #WaterborneTP, #BEPA #BATT4EU #eWAVEProject #SustainableShipping #MaritimeInnovation #BlueEconomy #GreenMaritimePerformance #GreenMaritime #GreenShipping #HighVoltage #BatteryInnovation #Batteries #HighVoltageBatteries #ZeroEmissionTransport #ZeroEmissionWaterborneTransport #HorizonEurope #EUWTSE #Solid4B #HighBatt #HARPOONERS.

3.5.2 eWAVE YouTube playlist

Also a YouTube playlist was developed for the project, on which the videos related to the project will be posted. This playlist can be found here: https://www.youtube.com/playlist?list=PLVrhuIOEOYLr0N1fNTfZiwY20rnxrDhXV.

3.6 eWAVE website and social media channels content planner

For the management and gradual development of the website, as well as for the management of the content on the eWAVE social media channels, a content planner has been developed. The content planner is based on the planning of deliverables and project milestones, as well as social media campaigns that will be executed throughout the project term. A screenshot of this content planner is presented in the figure below.

The content planner is available in the project repository and accessible to all partners. TechConcepts regularly updates the content planner, also based on announced events and publications. According to this planner, TechConcepts regularly asks specific partners for inputs on particular news items or social media updates, thereby ensuring that the content is managed according to planning.

This content planner only includes planning of communications through the official eWAVE website and eWAVE social media channels. Partners can also initiate communication or dissemination activities through their own channels, or for example through print media or TV. These activities are planned and logged as part of the dissemination activities in the eWAVE project, as explained in Chapter 5.

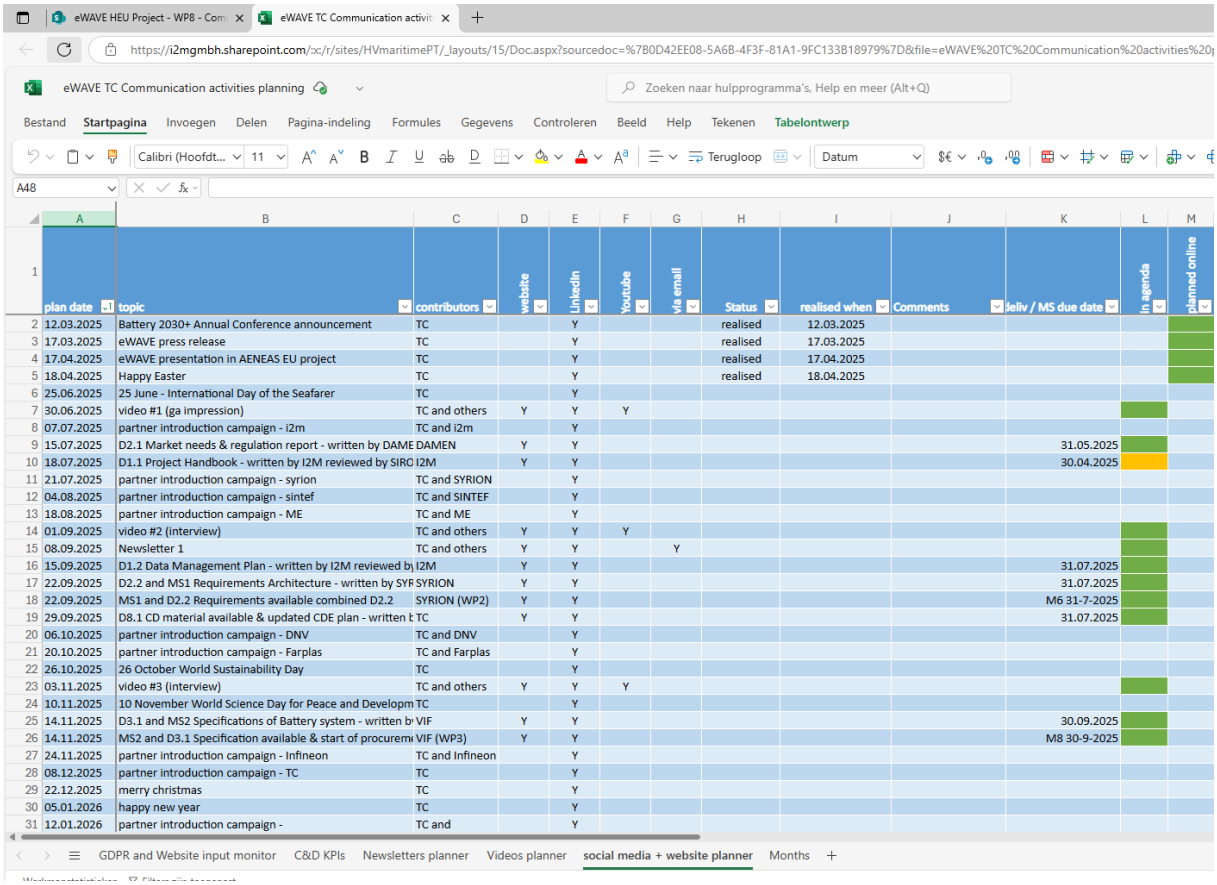


Figure 3.8: Screenshot of the eWAVE website and social media channels content planner

3.7 Bi-annual Newsletters

During the project 8 newsletters are planned, roughly in a bi-annual scheme. TechConcepts has made an initial overview of the newsletters, the date it will be published as well as candidate topics addressed, as shown in Table 3.1. As per the Grant Agreement, the KPI is to publish 4 newsletters or more. Therefore, when not much project news is to be published (making the newsletter less attractive to the Target Groups), some of these newsletters – for example, Newsletters 3 or 5 – may be cancelled. In such a case, the content will be transferred to the next upcoming newsletter.

Table 3.1: Planning of the Newsletters throughout the eWAVE project

newsletter number	date	M	candidate topics (and candidate contributors)
Newsletter 1	8-9-2025	8	1st consortium meeting in Graz (TC) upcoming GA meeting @Damen in NL (TC) project flyer and roll-up available (TC) D1.1 Project Handbook (i2m) D2.1 Market needs and regulation report (DAMEN) possibly interview video (TC)

Newsletter 2	16-3-2026	14	GA meetings? Scientific Publications? possibly interview video (TC) GA meeting @ DAMEN in NL (TC) 1.2 DMP (i2m) D2.2 and MS1 Requirements Architecture (SYRION) D8.1 CD material available and updated CDE plan (TC) video #3 at DAMEN (TC) D3.1 and MS2 Specification of Battery system (VIF) video #4 animation video
Newsletter 3 optional	15-9-2026	20	GA meetings? Scientific Publications? Voices of impact?
Newsletter 4	15-3-2027	26	GA meetings? Scientific Publications? D1.4 DMP revision 1 (i2m) video #5 (TC) D4.5 Report on test plan and test setup for insulation ... (SINTEF) MS3 Design Freeze
Newsletter 5 optional	15-9-2027	32	GA meetings? Scientific Publications? D8.2 CDE mid-term report and update CDE plan (IFM) MS4 Procurement process for prototype parts finished (VIF)
Newsletter 6	15-3-2028	38	GA meetings? Scientific Publications? Video #6 D6.1 Base-unit architecture (SIRO) D5.4 Safety system concepts (ME) D1.3 DMP (revision 2) (i2m) MS5 Development finished
Newsletter 7	15-9-2028	44	GA meetings? Scientific Publications? D3.2 Battery String Lab-demo (ME) D4.3 Control strategies and algorithms for the onboard ... (SINTEF) D5.1 Simulation of overall electric system architecture... (SIE) D6.2 Scaled-up hardware and software components (SIRO) D6.4 Research vessel (DLR) D6.3 Plan for onboard testing (DLR) MS7 Research finished (SINTEF) D4.2 Charging interface HV DC battery systems D4.4 AC coupling and bipolar DC grids for high voltage... (DLR) D5.2 Guide for electric ship architecture beyond 1.5 kW... (SINTEF) D5.3 Report on Sustainability & circularity / circular economy (FHG) D4.1 Insulation materials for high voltage battery systems (SINTEF) D7.1 Evaluation plan (DAMEN) MS6 Implementation & Integration finished (DAMEN) D3.3 Battery condition monitoring framework (FM)

Newsletter 8	29-1-2029	48	GA meetings? Scientific Publications? D6.5 Demonstration report (DLR) video 7 (final interview) (TC) outlook on: - MS8 evaluation finished (DAMEN) - D1.5 DMP final (i2m) - D7.2 Technical, economic and ecological evaluation report (DAMEN) - D7.3 Report on recommendation and guidelines (SYRION) - D8.3 CDE Final report (DNV)

3.8 Press release

A press release was prepared and sent it to the project partners for review and approval. The content of the press release was agreed upon by all partners during the Kick-off meeting in Graz on 12 and 13 March 2025. The press release was published on 17 March 2025 on the eWAVE LinkedIn channel and website. The press release was also published on the websites and social media channels of various partners. The aim was to raise awareness about the eWAVE project and to establish a first network of followers on the eWAVE LinkedIn channel. The press release can be found in Annex C of this plan.

3.9 Videos

As per the Grant Agreement, eWAVE plans to develop and publish one project animation video and four interview/impression videos to facilitate knowledge exchange, add an extra layer of realism and create a better / easier understanding of the eWAVE technology and its application.

Video is a powerful communication tool. Therefore, despite the official KPI of five videos, TechConcepts has scheduled to develop and publish in total seven videos, of which two videos are optional and may be cancelled if there is not enough material available to create an attractive storyline.

The planning of the videos is shown in Table 3.2. The eWAVE videos will be published on the eWAVE website and on the eWAVE YouTube playlist[5]. They will also be published or announced on the eWAVE LinkedIn channel and through the online channels of the eWAVE partners.

Table 3.2: Planning of the Videos throughout the eWAVE project

video	publication date	candidate topics
video #1	30-6-2025	impression video of GA meeting in Graz 12-13 March 2025
video #2	1-9-2025	interviews with i2m, SINTEF and IfM on 12-13 March 2025
video #3 optional	3-11-2025	results so-far and interview with i2m and other partners at GA 2 in October 2025
video #4	2-2-2026	eWAVE animation video

[5] https://www.youtube.com/playlist?list=PLVrhuIOEOYLr0N1fNTfZiwY20rnxrDhXV

video #5 optional	9-11-2026	results so far and interview with i2m and other partners at last GA
video #6	1-11-2027	results so far and interview with i2m and other partners at last GA
video #7	15-1-2029	end result and interview with i2m (TC) at final event / meeting

3.10 Promotional materials

To complete the eWAVE Media Kit, the communication manager has developed a set of promotional materials that partners can use in their communication about the project, as presented in the following paragraphs.

3.10.1 Flyer

An eWAVE project flyer was designed in a folded triptych format at a 148 x 148mm size. This flyer is available to partners in pre-press PDF format so they can print it locally. The communication manager has printed a few samples, which will be distributed to partners during the 2nd GA meeting in September 2025. The flyer can also be downloaded from the project website.

It includes general information about the project's objectives, ambition and partners, with the aim to inform stakeholders at events and providing them with something physical to help them remember eWAVE afterwards. The flyer is presented in Figure 3.9.

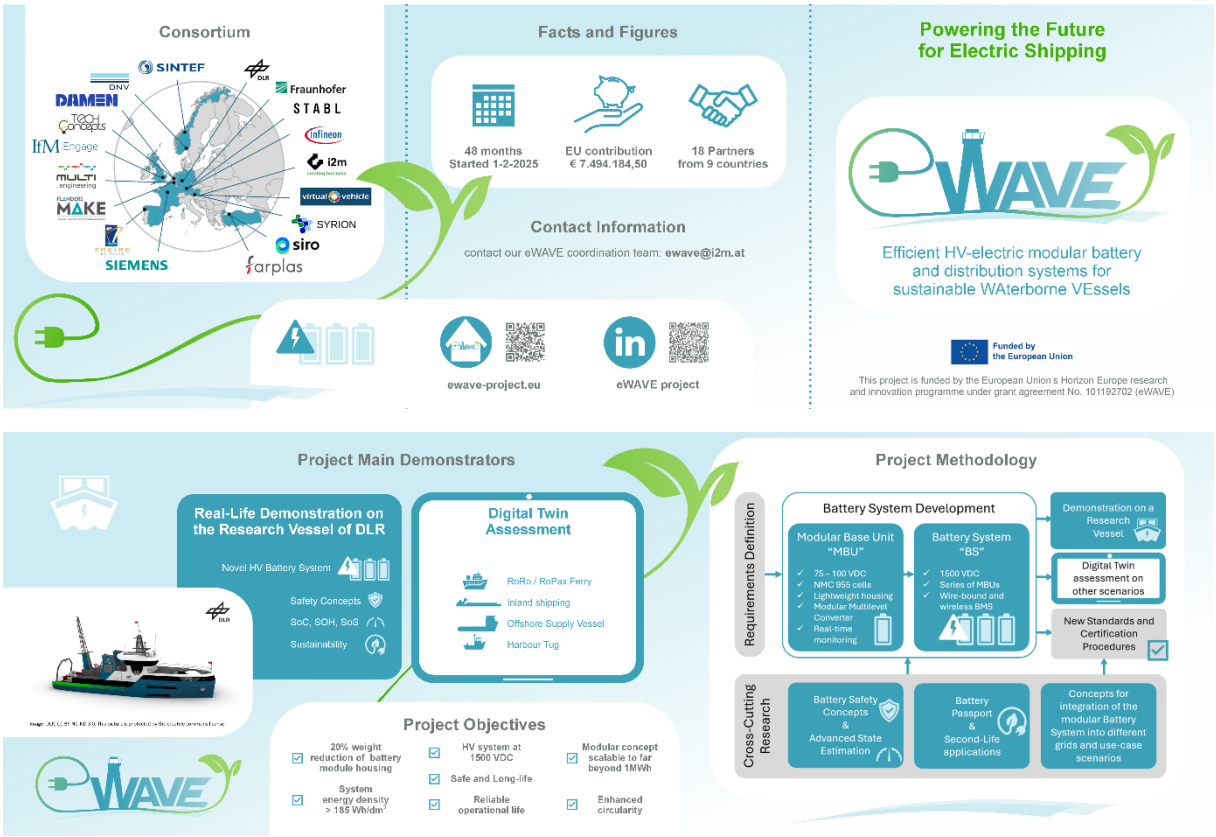


Figure 3.9: eWAVE project flyer in folded triptych format in 148 x 148mm size

3.10.2 General eWAVE Project Presentation

The communication manager has developed a general project presentation, which was presented to the partners for approval in preparation to the Kick-off meeting on 13 March 2025. During the Kick-off meeting, the content of the presentation was approved and the presentation was cleared for use by all partners. The eWAVE project presentation can be found in Annex D.

3.10.3 Roll-up banner designs

Two Roll-up banner design variants were developed in 2010 x 860mm format. These banners are made available digitally to the partners in pre-press PDF format so that they can be printed locally. The banners can be used to showcase the eWAVE project at for example events or conferences. The roll-up banner designs are presented in Figure 3.10 and Figure 3.11.

Figure 3.10: Roll-up banner design version 1

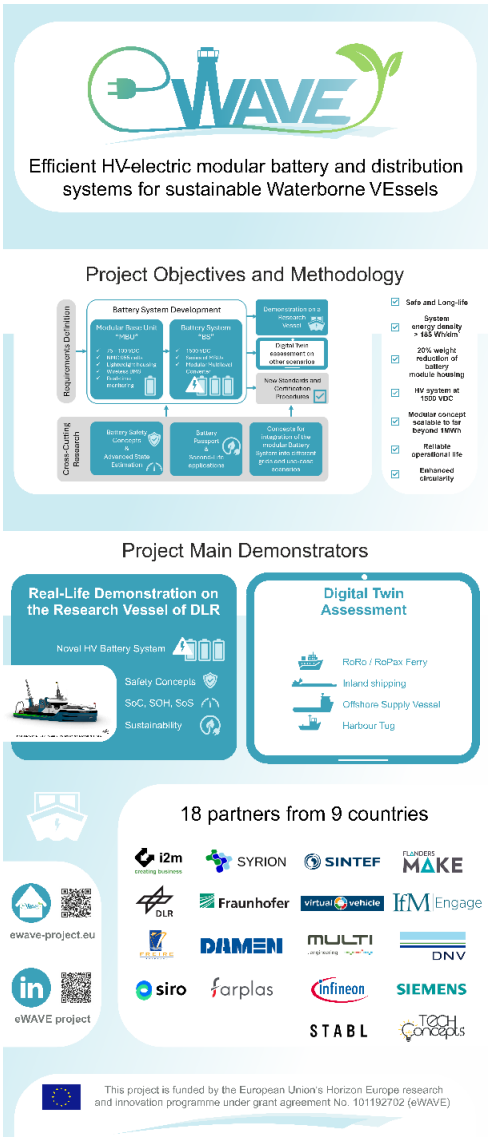


Figure 3.11: Roll-up banner design version 2

3.10.4 Poster designs

Also, a poster design template was developed by TechConcepts, which can be used for poster presentations of scientific publications at conferences, for example. The template is designed to the standard size for scientific posters: landscape format, i.e. 48 inches wide by 36 inches tall (122 cm x 91 cm). The template is available in ppt format and can be easily edited by the partners to create a poster presentation for their publication. The poster design in presented in Figure 3.12.

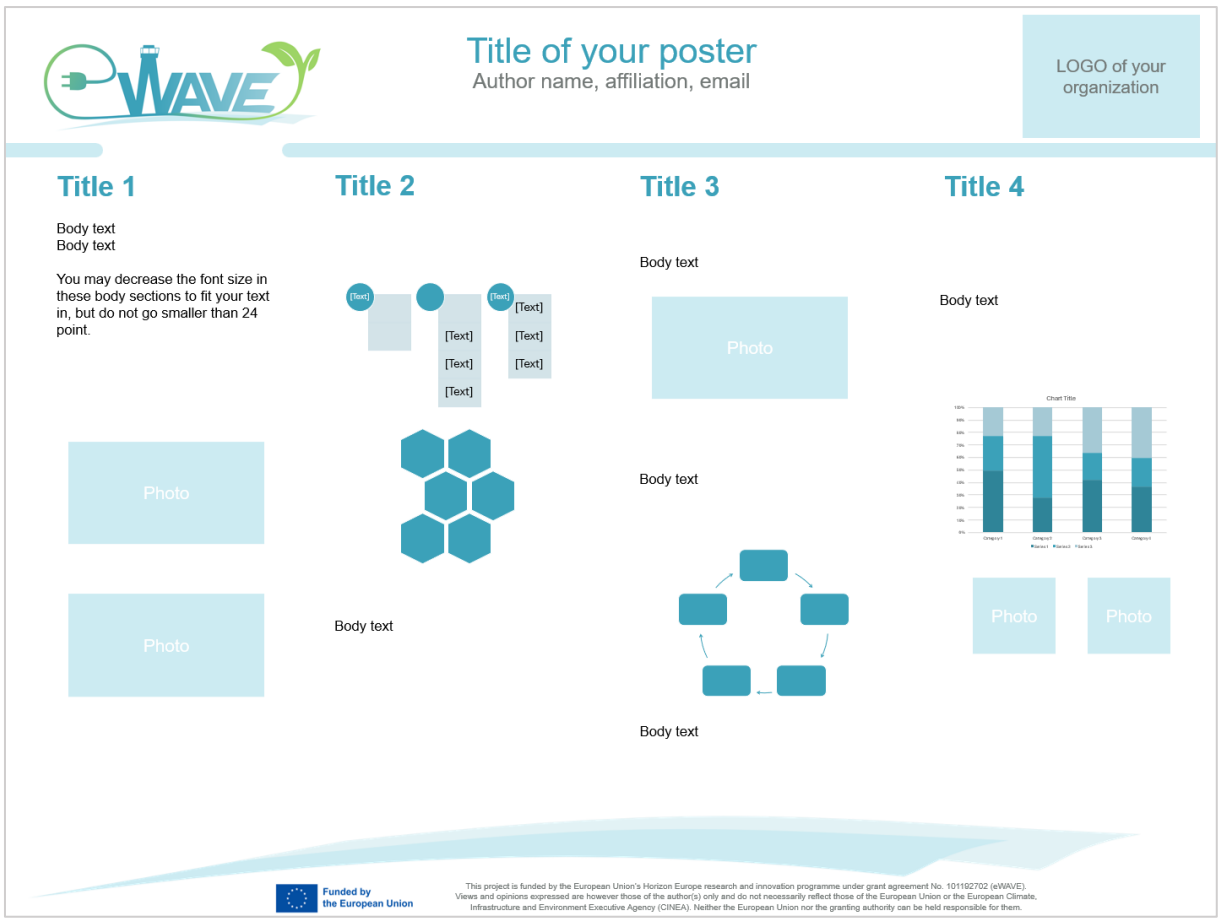


Figure 3.12: Poster template design for project eWAVE in landscape format 122 x 91cm

4 Customized Communication strategy

In addition to the communication strategy for the large-scale promotion of the project and its results, the eWAVE project will also implement a customized communication strategy to engage with key stakeholders to maximize the project impact. For this purpose, TechConcepts will coordinate customized communication on two levels:

1. Clustering activities with other projects and initiatives
2. Networking and direct stakeholder interaction (including TP/ZEWT and BEPA)

At both levels, eWAVE project partners will play a key role by presenting eWAVE and its results, taking part in discussions, participating in clustering meetings and workshops, etc. The two levels of customized communication are further detailed in the following paragraphs.

4.1 Clustering activities

The eWAVE project collaborates with several ecosystems and clusters of battery and shipping projects to ensure synergies and facilitate information exchange. These include the EUWT Synergies Ecosystem, the Solid4B cluster and the HighBatt EU cluster. eWAVE also aims to collaborate with the HARPOONERS project, the sister project of eWAVE. Details of each clustering collaboration can be found below.

Figure 4.1: Clusters and ecosystems with which project eWAVE collaborates to create synergies and facilitate information exchange

The aim of the clustering activities is twofold: to benefit from the experience of established members and to establish connections with other projects. Participating in joint communication and outreach efforts will increase eWAVE's visibility and support among stakeholders. The collaborations with the clusters and HARPOONERS are mentioned under the Synergies page of the eWAVE project website.

4.1.1 EUWT Synergies Ecosystem

The EU Waterborne Transport Synergies Ecosystem (EUWT-SE) brings together seven EU-funded projects (FLEXSHIP, HYPOBATT, SEABAT, DT4GS, AENEAS, NEMOSHIP and BlueBARGE), who and started a collaboration to identify common areas of interest, explore ways to adopt best practices and enhance project results for the benefit of waterborne transport.

eWAVE partner i2m maintains direct contact with this Ecosystem. As part of this clustering initiative, i2m presented the eWAVE project at the 2nd Stakeholder Workshop of the EU Project AENEAS in Thessaloniki on 9 April 2025[6]. The collaboration with this Ecosystem is mentioned on the Synergies page of the eWAVE website.

[6] Link to the related post on the eWAVE LinkedIn channel

4.1.2 Solid4B cluster

The Solid4B cluster[7] includes all projects granted under HORIZON-CL5-2021-D2-01-03, which focusses on the development of Solid-State Batteries (SSB). As of July 2025, the cluster consists of the following projects: SPINMATE, ADVAGEN, AM4BAT, HIDDEN, PULSELiON, SEATBELT, SOLiD, PSIONIC and SOLVE.

TechConcepts and i2m are the direct contacts for the collaboration with this cluster. This collaboration was established on 27 June 2025 through email conversations with the cluster leader, Rahmandhika Firdauzha (European Projects Coordinator at AVESTA and initiator of the Solid4B cluster from project SPINMATE).

It was agreed with the cluster leader that eWAVE will not join this cluster as a member because eWAVE will not use SSBs in its battery technology. However, it was agreed to collaborate with the Solid4B cluster through information exchange. As a first step, eWAVE has been invited to present the maritime industry perspective on the application of batteries in the maritime sector in the upcoming Solid4B cluster workshop in September 2025.

The Solid4B cluster will also benefit from eWAVE, as eWAVE brings in the maritime network and viewpoint. As per the call description for eWAVE, clustering with projects under the HORIZON-CL5-2021-D2-01-03 (Solid4B cluster) is also required, and this is achieved through the established collaboration with the Solid4B cluster.

4.1.3 HighBatt EU cluster

In the HighBatt EU cluster, sister projects under Horizon Europe call topic HORIZON-CL5-2021-D2-01-02 have joined forces to advance next-generation battery technologies through improvement of core components - while putting a strong emphasis on rapid scalability, minimal environmental footprint, and cost efficiency. The cluster includes the projects NEXTCELL, SIGNE, HighSpin and IntelLiGent.

TechConcepts and i2m are the direct contacts for the collaboration with this cluster. The first contact with this cluster was established on 2 July 2025 with Bschidar Ganev of AIT, who is coordinating the HighBatt cluster from project HighSpin. Mr. Ganev proposed that eWAVE can join the HighBatt cluster, pending on the approval of the other projects NEXTCELL, SIGNE and IntelLiGent.

The HighBatt cluster can also benefit from eWAVE, as eWAVE brings in the maritime network and viewpoint. As per the call description for eWAVE, clustering with projects under the HORIZON-CL5-2021-D2-01-02 call (HighBatt cluster) is also required, which will be achieved once collaboration with the HighBatt cluster is established.

4.1.4 Sister project HARPOONERS

eWAVE also aims to collaborate with project HARPOONERS[8]. Project HARPOONERS is the sister project of the eWAVE project, granted under the call topic HORIZON-CL5-2024-D5-01-11. I2m, SINTEF and TechConcepts are the direct contacts for the collaboration with this project.

[7] https://www.linkedin.com/company/solid4b-cluster/
[8] https://cordis.europa.eu/project/id/101192699

Figure 4.2: HARPOONERS project logo

The communication with the coordinator of project HARPOONERS, Elena Trancho Olabarri, has been established on 2 July 2025. The first introductory meeting between the coordinators and communication managers of both projects and TechConcepts was held on 10 July. Both projects invited each other to present in their upcoming GA meetings and to make an inventory of the topics on which the project members would like to dive deeper. It was also agreed to organize clustering workshops between the two projects, which might have a thematic approach. Possible themes that were identified so far are: weight reduction; enhanced reliability, and safety for HV batteries. But also other possible collaboration areas are prematurely defined, such as requirement setting, digital twins, BMS/EMS, power electronics and use-case load profiles.

The projects agreed that around project month 18, probably the first results could be ready for a first thematic workshop. It was also agreed that the coordinating teams will meet on a 2-3 monthly basis to schedule the clustering activities. The next meeting will be scheduled in the beginning of September 2025. Follow-up actions regarding collaboration with sister project HARPOONERS will be reported in the periodic report and in the updates of this report (D8.2 and D8.3).

4.2 Networking and direct stakeholder interaction

The direct interaction with Stakeholders has the aim to create impact for the project and the project results. This customized and direct interaction with stakeholders will follow the approach described in paragraph 2.4 of this document. It will include interaction with:

- the Waterborne TP / ZEWT, as explained in the paragraph below
- the Horizon Europe Batteries Partnership (BATT4EU / BEPA), as explained in the paragraph below
- standardization bodies as detailed in paragraph 6.3 of this document, and
- possibly with potential partners for exploitation of results after the project lifetime, which will be part of the exploitation strategy as explained in section 6 of this document.

TechConcepts will coordinate and monitor the networking and direct stakeholder interaction activities, except the standardization activities. Partners will be responsible for the communication, as it is important that they generate impact for their results themselves.

4.2.1 Collaboration with the Waterborne TP / ZEWT

The Waterborne Technology Platform (Waterborne TP) is the European research and innovation platform for waterborne industries has been set up as an industry-oriented Technology Platform to establish a continuous dialogue between all waterborne stakeholders, such as classification societies, shipbuilders, shipowners, maritime equipment manufacturers,

infrastructure and service providers, universities or research institutes, and with the EU Institutions, includingMember States.

The co-programmed partnership on Zero-Emission Waterborne Transport (ZEWT) is a public-private partnership in the framework of Horizon Europe between the European Commission and the Waterborne TP. The objective of thist partnership is to provide and demonstrate zero-emission solutions for all main ship types and services before 2030, which will enablee zero-emission waterborne transport before 2050. Waterborne TP shapes and updates the Strategic Research & Innovation Agenda and defines yearly research topics. ZEWT funds and executes these research calls under Horizon Europe.

The communicationc with the Waterborne TP / ZEWT will be established via the Waterborne TP members who are also part of the eWAVE consortium. These partners include DAMEN, DLR, DNV, LBF and SINTEF. They will interact with the Waterborne TP and present the eWAVE project and/or its results wherever and whenever possible and appropriate. Furthermore, i2m and TechConcepts will report results and project progress directly to the Waterborne TP upon their request.

4.2.2 Collaboration with Horizon Europe Batteries Partnership (BATT4EU / BEPA)

BATT4EU is a Co-programmed public-private Partnership established under Horizon Europe. Its goal is to develop a competitive, sustainable, and circular European battery value chain by 2030 for both e-mobility and stationary storage. The partnership brings together public (European Commission) and private stakeholders to align research, funding, and innovation efforts.

BEPA is the private-sector association representing all battery stakeholders (industry, research organizations, academia) within BATT4EU. BEPA coordinates industry input to co-develop the BATT4EU SRIA, which directs annual research calls and technological priorities. BEPA also organizes joint events (e.g., Battery Innovation Days) to align stakeholders, share best practices, and inform stakeholders about SRIA updates.

The communication with the BEPA / BATT4EU will be established via the BEPA members that are also part of the eWAVE consortium. These partners include DLR, FlandersMake, SINTEF and SIRO. They will interact with BEPA and present the eWAVE project and/or its results wherever and whenever possible and appropriate. Further, i2m and TechConcepts will report results and project progress directly to BEPA upon their request.

5 Dissemination strategy

5.1 Dissemination plan

In the initial stage of the project, IfM Engage has set up a dissemination strategy, including the request for contribution for dissemination from all partners, as further explained below. All partners will support the dissemination of results. Innovative research results will be disseminated through peer-reviewed scientific journals, conference papers and presentations adhering to Gold and Green Open Access Strategy.

In the Grant Agreement, the project partners have already identified a list of interesting papers and conferences for dissemination of the eWAVE project results.

Thee (non-exhaustive) list of preliminary identified relevant peer-reviewed journal papers is:

- **Electrical systems journals**: Journal of Energy Storage; Journal of Power Sources; Applied Energy; Energy Conversion & Management; Batteries (MDPI); IEEE Transactions on Transportation Electrification; Control Engineering Practice
- **Safety and reliability journals**: Reliability Engineering and Systems Safety; Safety Science; IEEE Transactions on Reliability
- **Maritime journals**: Ocean Engineering; Journal of International Maritime Safety, Environmental Affairs, and Shipping; Journal of Marine Engineering & Technology; Ship Technology Research

The (non-exhaustive) list of preliminary identified scientific conferences of interest is:

- International Conference on Maritime Energy Management & Applications (ICMEM & ICMEMA);
- International Conference on Blue Sustainable Economy;
- IEEE Transportation Electrification Conference (ITEC);
- International Conference on Applied Energy (ICAE);
- WATTS UP Annual Maritime Battery Forum;
- SEANERGY Forum;
- IEEE Conference on Prognostics and Health Management (PHM);
- International Conference on Marine, Aviation, Transport, Logistics and Trade (ICMATLT);
- Transport Research Arena (TRA) Annual Conference;
- European Safety and Reliability Conference (ESREL);
- Conference on technical reliability (DE, TTZ);
- International Society for Professional Innovation Management (ISPIM) Innovation Conference;
- R&D Management Conference and Doctoral Colloquium (RADMA);
- Conference on Sustainable Development of Energy, Water and Environment Systems (SWEDES).

During the kick-off meeting, all partners were reminded of these lists and asked to start planning the dissemination of their results as far as possible. For this purpose, an “eWAVE Dissemination plan” Excel file was created and shared on the project repository. In this file, partners can identify on which topics they would like to publish articles on and/or present at conferences. This plan is also used to monitor realized participations in events and publications for dissemination of results, as further detailed in paragraph 5.3. All partners are reminded monthly to update this dissemination plan.

5.2 Dissemination rules

The dissemination of results adheres to clause 8 of the Consortium Agreement. Accordingly, during the Project and for a period of 3 years after the end of the Project, the dissemination of own Results by one or several Parties including but not restricted to publications and presentations, shall be governed by the procedure of Article 17.4 of the Grant Agreement and its Annex 5, Section Dissemination, subject to the following provisions.

Prior notice of any planned publication shall be given to the other Parties at least 30 calendar days before the planned publication submission date. Any objection to the planned publication shall be made in accordance with the Grant Agreement by written notice to the Coordinator and to the Party or Parties proposing the dissemination within 20 calendar days after receipt of the notice. If no objection is made within the time limit stated above, the publication is permitted.

Furthermore, all dissemination activities are obligated to acknowledge EU funding, as detailed in paragraph 3.3 of this plan, and use the Microsoft Word and Microsoft Powerpoint templates established for the eWAVE project, as presented in paragraph 3.2.3 of this plan and which are stored in the Project Repository that is managed by i2m. Use of these templates ensures distinct branding of eWAVE and a professional, consistent visual appearance of the project across all dissemination activities, as elaborated in detail in section 3 of this deliverable.

5.3 Dissemination monitoring and reporting

IfM Engage will keep track of all the dissemination activities carried out and will report them mid-term and at the end of project in deliverables D8.2 (due in Month 24) and D8.3 (due in Month 48). For this purpose, IfM Engage has created the “eWAVE Dissemination plan” Excel file. This file keeps track of the planned and realised participations in conferences and events, Academic and Scientific Publications, as well as other communication and dissemination activities by partners (through their own channels or via public media) for Public Engagement. These Logs are available to all partners in the project repository and partners are reminded monthly by IfM to share their contributions. Screenshots of both Dissemination Log files are provided below.

Targeted Presentations in Conferences in project eWAVE
project KPI > 10 conference presentations

Dissemination type	Communication channel	Event name	Title of presentation	Target Audience	Objective (why?)	Location	Partner 1 name + lead per	Partner 2 name + lead per	Partner 3 name + lead per	Partner 4 name + lead per	Date	Stat
Not yet decided			Insulation materials for high voltage battery systems				SINTEF (N. Thomsen)					Ongoing
Conference	Event (conference, meeting, workshop, internet debate, round table, group discussion, etc.)	DPP4EU	Digital Battery Passport for Maritime Applications to Support Circular Economy	Innovators	Identification of and collaboration with other EU R&D projects and activities active in the field of maritime battery passports	Brussels/BE	SYRION (W. Rom)	DNV (N. Karandikar)	LBF (J. Akuffo)	DLR (V. Gosala)	16-18 June, 2025	Delivered
Conference	Event (conference, meeting, workshop, internet debate, round table, group discussion, etc.)	MOSES	Fast charging algorithms for high voltage modular batteries				DLR					
Conference	Event (conference, meeting, workshop, internet debate, round table, group discussion, etc.)	OMAE	Integration of high voltage modular batteries and their real-time condition monitoring systems onboard ships				DLR					
Conference	Event (conference, meeting, workshop, internet debate, round table, group discussion, etc.)	ENLIT 2026	Innovative electrification of maritime energy systems including propulsion				i2m					Ongoing
Conference	Event (conference, meeting, workshop, internet debate, round table, group discussion, etc.)	DPP Austria Networking Event 2025	Toward a Maritime Battery Passport	Innovators	Short presentation of eWAVE and its activities in the field of Maritime Battery Passports for the Austrian DPP community	St. Pölten/AT	SYRION (W. Rom)					Delivered
Conference	Exhibition	DPP Austria Networking Event 2025	eWAVE	Innovators	Booth to present eWAVE to the Austrian DPP community	St. Pölten/AT	SYRION (W. Rom)					Delivered

Figure 5.1: eWAVE dissemination plan and log for participation in events and conferences

Targeted Open Access Journal Article Publications in project eWAVE

project KPI > 5-10 Publications

Lead partner	Type of publication	Title of publication/topic	Author(s)	Title of the Journal	Type of PID (repository)	PID (publisher version of record)	Hyperlin	date or frequency of the journal/proce	Relevant Pages	ISSN or eISSN	Publishe	Date of publication	available in open access through the repository at	Peer reviewed?	Did you charge OA publishing fees to the	Status	Commer
		Controller design for modular batteries	DLR (C. Wanigasekara)	IEEE Transaction on Transportation Electrification													
DLR		Technological evaluation of high voltage high density modular batteries	DLR	Ship Technology Research													

Figure 5.2: eWAVE Dissemination plan and log for Academic and Scientific Publications (status of 16-7-2025)

Dissemination type	Communication channel	Event name	Title of presentation	Target Audience	Objective (why?)	Location	Partner 1 name + lead person	Partner 2 name + lead	Partner 3 name + lead	Partner 4 name + lead	Date	Outcome/comments	Status
Workshop	Event (conference, meeting, workshop, internet debate, round table, group discussion, etc.)	AENEAS Stakeholders workshop				Aristotle University of Thessaloniki	AENEAS dissemination leader Fundacion Centro Tecnologico Soermar					-Participants included eWAVE partners I2M, FM, SIE, Freire. -E3There were 22 in-person attendees and 10 online participants representing AENEAS stakeholders, EUWT SE representative, FLEXSHIP project, and a few AENEAS partners that couldn't join in person -Other projects were also presented: FLEXSHIP, BlueBARGE (both are members of EUWT SE)	Delivered
Social media post (LinkedIn etc.)	Social media					LinkedIn post with a link to the news story have so far led to 53 new page views on the website (from 29 individual users)' https://www.linkedin.com/posts/ifmcambridge_electricshipping-roadmapping-horizoneurope-activity-7313126798383370240-Omd6/?utm_source=share&utm_medium=member_desktop&rcm=ACoAAEtn8KEB3sEWoa6g_O9AHSCBmH3-qdLfTg	**IfM Engage**					54 reactions, 3 comments, 6 reposts.	Delivered
Non-academic publication (website article, newsletter, etc)	Press release					'https://engage.ifm.eng.cam.ac.uk/e-wave-powering-the-future-of-electric-shipping	**IfM Engage**					Published in IfM Insights	Delivered
Non-academic publication (website article, newsletter, etc)	Media article		'IfM Cambridge helps steer electric shipping initiative'			https://www.businessweekly.co.uk/posts/ifm-cambridge-helps-steer-electric-shippi	**IfM Engage**					Published by *Business Weekly*	Delivered
Non-academic publication (website article, newsletter, etc)	Press release					https://www.linkedin.com/posts/ewave-project_ewave-kick-off-press-release-activity-7307325357752238080-qkp3?utm_source=share&utm_medium=member_desktop&rcm=ACoAAEtn8KEB3sEWoa6g_O9AHSCBmH3-qdLfTg	eWAVE project					79 reactions, 21 reposts, 1 comment -	Delivered
Non-academic publication (website article, newsletter, etc)	Media article	n.a.	'eWAVE – Efficient HV electric modular battery and distribution systems for sustainable Waterborne Vessels'	Other	Brief information on eWAVE and the role of SYRION	https://www.syrion.at/en/references/#projects	**Syrion (Werner Rom)**					Brief description of eWAVE and the role of SYRION	Delivered

Figure 5.3: eWAVE log for Public Engagement activities by partners (through their own channels or via public media (status of 16-7-2025)

Next to these Log files, IfM Engage has also created a PowerPoint file in which screenshots and photos of the performed activities are filed.

6 Exploitation strategy

6.1 Definition of different types of Exploitation Routes

eWAVE is committed to developing an exploitation strategy for the project results. Project results can have different possible exploitation routes. According to the Horizon Results Platform[9], a project result is defined as:

"Any tangible or intangible output of the action, such as data, knowledge and information whatever their form or nature, whether or not they can be protected, which are generated in the action as well as any attached rights, including intellectual property rights"

The platform defines a Key Exploitable Result (KER) as follows:

*"A **Key Exploitable Results (KER) is an identified main interesting result** (as defined above) which has been selected and prioritised due to its **high potential to be "exploited"** – meaning to make use and derive benefits- downstream the value chain of a product, process or solution, or act as an important input to policy, further research or education."*

The potential to be exploited is segmented into 5 possible exploitation routes:

1. High **Scientific** potential
2. High **Societal (other than climate or environmental)** potential
3. High **Societal** potential
4. High **Commercialization** (technologic, business or economic) potential
5. High **Policy and regulations** potential

6.2 Exploitation plan development

Led by the shipbuilder FREIRE – task 8.3 of the eWAVE project will design and execute the project's overall exploitation roadmap. The aim is to foster the uptake of outcomes achieved by the project partners and to find a sustainable path for the further development of project results beyond the project lifetime.

To achieve this, task 8.3 will outline a solid and attractive value proposition, maximising the utilisation of results with high Scientific, Societal and Commercial exploitation potential. Exploitation of KERs with high policy and regulations potential will be done through the Certification and Standardization activities in task 8.4, which is further highlighted in paragraph 6.3.

The Grant Agreement defines a list of 21 KERs that were foreseen during the project development phase[10], including the relevant project partners, IP Management strategies, Exploitation strategies beyond eWAVE, and TGs that might be interested. The list of KERs is not included in this public deliverable, because it contains project confidential information.

Using the EU HORIZON BOOSTER methodology, the St. Gallen Business Navigator (Business Model Patterns) and the results of the market needs and regulations analysis (as detailed in deliverable D2.1- Market needs & regulation report), the existing KERs will be further detailed and new KERs will be identified and described. These KERs will be the base for updating the eWAVE exploitation roadmap and corresponding exploitation activities. Further details on the exploitation of the project KERs are elaborated in the next paragraph.

[9] Horizon Europe Platform. (s.d.). Obtido de https://ec.europa.eu/newsroom/informatics/items/689551
[10] Grant Agreement nº 101192702, Annex 1 - Part B: technical description - Table 2.6

6.3 Exploitation through Standardisation and Certification

A part of the identified KERs (see paragraph **Fehler! Verweisquelle konnte nicht gefunden werden.**) have high potential for exploitation through policy and regulation routes. Task 8.4 – Standardization & Certification – organizes the exploitation of these KERs through Certification and Standardization activities like for example maritime policy and regulation investigations (e.g., via classification rules or guidelines).

Supported by all partners, the leader of Task 8.4 (DNV) will investigate the novel technologies and solutions that are developed during the eWAVE project execution and identify relevant classification rules and other applicable documents (e.g., guidelines). Any gaps in current classification rules that may hinder implementation and wider uptake of such solutions will be identified, and recommendations for rule update will be formulated and communicated to the relevant parties.

Moreover, it will be considered how new insights into battery safety as well as the battery safety concept should be incorporated in current classification rules and future class approval processes.

Finally, it will be considered how novel condition monitoring approaches can be utilized within a classification framework. All of this will be summarized in the final CDE deliverable (D8.3), which will provide input and recommendations for updating rules and possibly developing new guidance documents for class approval. The focus will be on ship classification rules and guidance documents, but recommendations and input to other standardization and certification bodies will be considered, as deemed necessary from project results.

To maximize the impact in standardization and to accelerate the transfer of relevant results to the market, eWAVE will contribute to various standardization technical committees by liaising with:

- Classification rules, standards and supporting documents of project partner DNV
- Marine applications of hybrid and battery-electric propulsion systems & Decarbonization of Ground Freight Related to Port Electrification of the IEA Hybrid and Electrical Vehicle (HEV) Technology Collaboration Programme (TPC)
- Revision workgroup of IEEE standard 45.2 «IEEE Recommended Practice for Electrical Installations on Shipboard - Controls and Automation of IEEE
- WG 33 - Primary DC distribution – system design architecture; JWG 28 - Maintenance team in charge of IEC/IEEE 80005-1, IEC/IEEE 80005-2 and IEC/IEEE 80005-3 linked to ISO/TC 8/SC 3; MT 22 - Maintenance Team in charge of IEC 60092-507 of TC18/NEC18 – Electrical installations of ships and of mobile and fixed offshore units of the IEC

6.4 Horizon Results Booster

Halfway through the project and a few months before its end, partners will be informed about the support that the Horizon Results Booster can provide to boost the exploitation of the project results. For this purpose, partners will receive information on the free of charge services they can apply for and on how to apply for this support and get more information.

This information will be presented to partners at GA meetings and sent to them via email by the coordinator i2m afterwards. The aim of this communication is to raise awareness of the support possibilities offered by the Horizon Results Booster and encourage partners to apply for the Horizon Results Booster support.

7 Conclusions

This report includes the first update of the initial Communication, Dissemination and Exploitation (CDE) Plan as presented in the Grant Agreement. This plan includes Communication, Dissemination and Exploitation plan development activities to be implemented during the eWAVE project.

The plan covers all planned aspects regarding communication and dissemination and the associated target groups to be involved. Also, it includes a description of the communication tools and materials that are made available for the communication about project eWAVE. Additionally, the communication measures to be put in place for each of the foreseen activities are also described, including the tools to be used and the timing. And monitoring has been put into place to monitor that the activities are taking place in time and according to plan

This report also summarises the process to develop exploitation plans for the Key Exploitable Results.

Abbreviations and Definitions

Term	Definition
CDE	Communication, Dissemination, Exploitation
EC	European Commission
EU	European Union
GDPR	General Data Protection Regulation
HV	High-Voltage
IPR	Intellectual Property Rights
KER	Key Exploitable Result
KPI	Key Performance Indicator
SRIA	Strategic Research and Innovation Agenda
SSB	Solid-State Batteries
TG	Target Group
WP	Work Package

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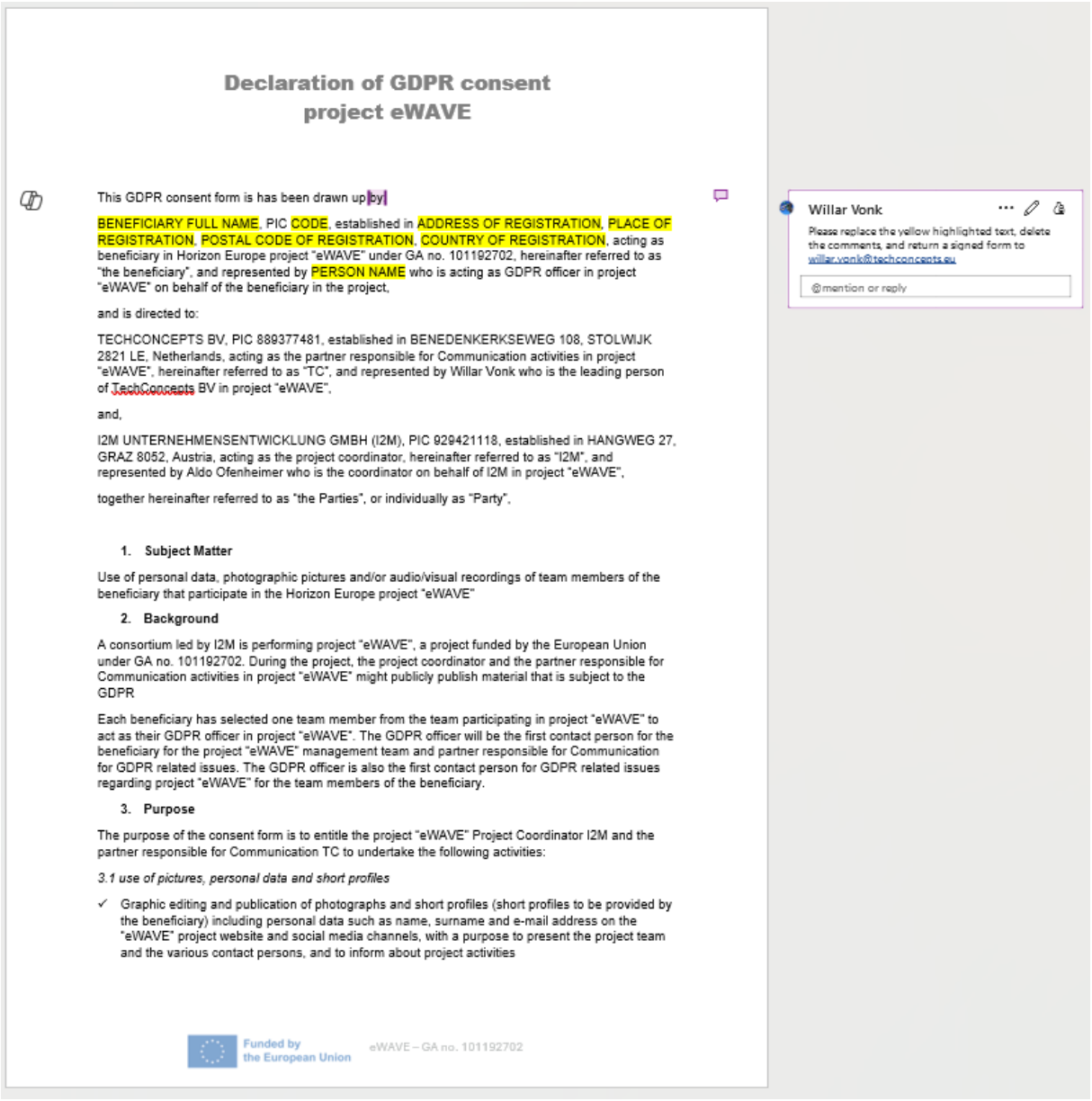
Annex A: model GDPR consent form



Declaration of GDPR consent
project eWAVE

This GDPR consent form is has been drawn up by:

BENEFICIARY FULL NAME, PIC CODE, established in ADDRESS OF REGISTRATION, PLACE OF REGISTRATION, POSTAL CODE OF REGISTRATION, COUNTRY OF REGISTRATION, acting as beneficiary in Horizon Europe project "eWAVE" under GA no. 101192702, hereinafter referred to as "the beneficiary", and represented by PERSON NAME who is acting as GDPR officer in project "eWAVE" on behalf of the beneficiary in the project,

and is directed to:

TECHCONCEPTS BV, PIC 889377481, established in BENEDENKERKSEWEG 108, STOLWIJK 2821 LE, Netherlands, acting as the partner responsible for Communication activities in project "eWAVE", hereinafter referred to as "TC", and represented by Willar Vonk who is the leading person of TechConcepts BV in project "eWAVE",

and,

I2M UNTERNEHMENSENTWICKLUNG GMBH (I2M), PIC 929421118, established in HANGWEG 27, GRAZ 8052, Austria, acting as the project coordinator, hereinafter referred to as "I2M", and represented by Aldo Ofenheimer who is the coordinator on behalf of I2M in project "eWAVE",

together hereinafter referred to as "the Parties", or individually as "Party",

1. **Subject Matter**

Use of personal data, photographic pictures and/or audio/visual recordings of team members of the beneficiary that participate in the Horizon Europe project "eWAVE"

2. **Background**

A consortium led by I2M is performing project "eWAVE", a project funded by the European Union under GA no. 101192702. During the project, the project coordinator and the partner responsible for Communication activities in project "eWAVE" might publicly publish material that is subject to the GDPR

Each beneficiary has selected one team member from the team participating in project "eWAVE" to act as their GDPR officer in project "eWAVE". The GDPR officer will be the first contact person for the beneficiary for the project "eWAVE" management team and partner responsible for Communication for GDPR related issues. The GDPR officer is also the first contact person for GDPR related issues regarding project "eWAVE" for the team members of the beneficiary.

3. **Purpose**

The purpose of the consent form is to entitle the project "eWAVE" Project Coordinator I2M and the partner responsible for Communication TC to undertake the following activities:

3.1 use of pictures, personal data and short profiles

✓ Graphic editing and publication of photographs and short profiles (short profiles to be provided by the beneficiary) including personal data such as name, surname and e-mail address on the "eWAVE" project website and social media channels, with a purpose to present the project team and the various contact persons, and to inform about project activities

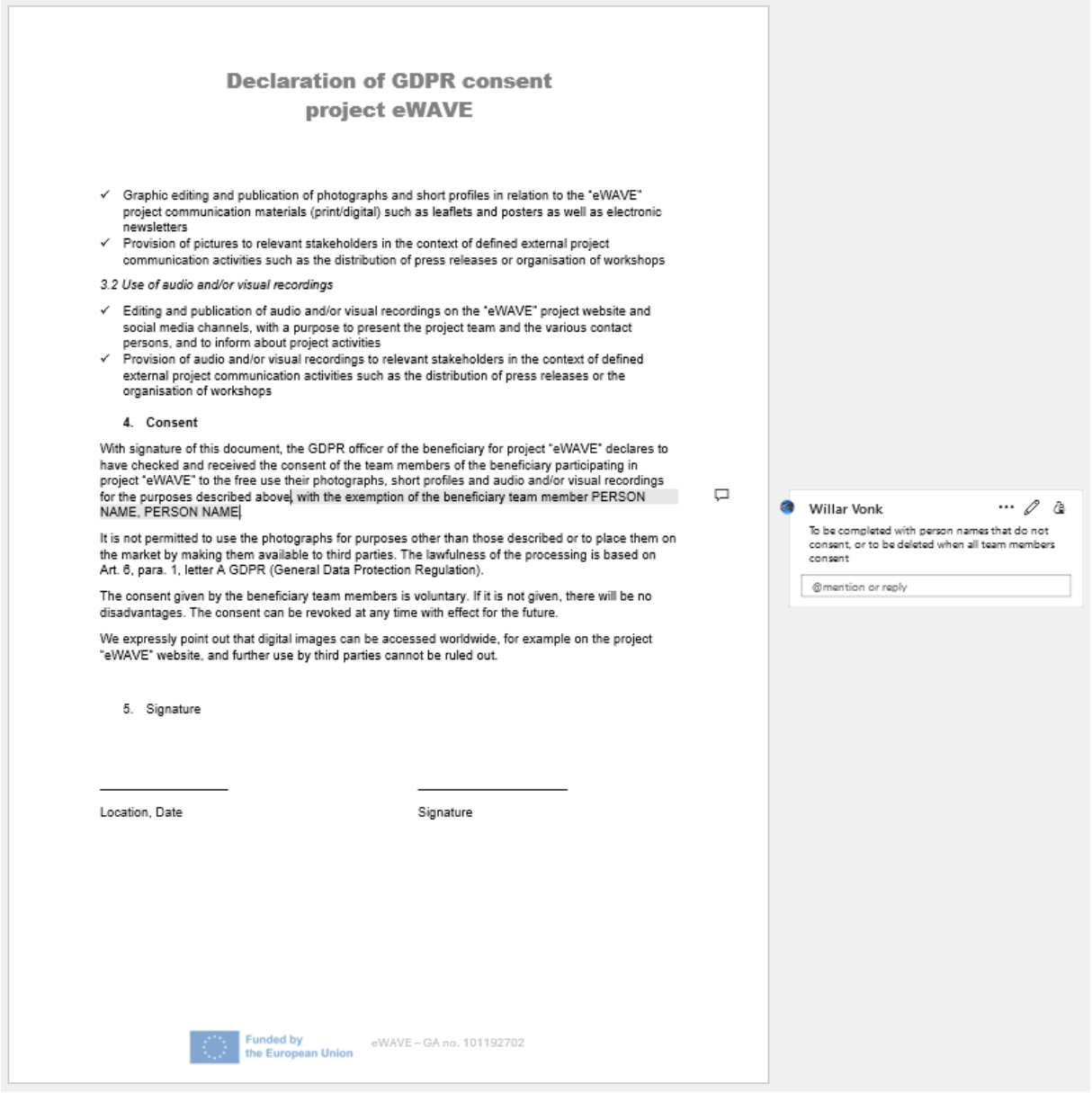
Funded by the European Union

eWAVE – GA no. 101192702

Willar Vonk

Please replace the yellow highlighted text, delete the comments, and return a signed form to willar.vonk@techconcepts.eu

@mention or reply



Declaration of GDPR consent
project eWAVE

- ✓ Graphic editing and publication of photographs and short profiles in relation to the "eWAVE" project communication materials (print/digital) such as leaflets and posters as well as electronic newsletters
- ✓ Provision of pictures to relevant stakeholders in the context of defined external project communication activities such as the distribution of press releases or organisation of workshops

3.2 Use of audio and/or visual recordings

- ✓ Editing and publication of audio and/or visual recordings on the "eWAVE" project website and social media channels, with a purpose to present the project team and the various contact persons, and to inform about project activities
- ✓ Provision of audio and/or visual recordings to relevant stakeholders in the context of defined external project communication activities such as the distribution of press releases or the organisation of workshops

4. Consent

With signature of this document, the GDPR officer of the beneficiary for project "eWAVE" declares to have checked and received the consent of the team members of the beneficiary participating in project "eWAVE" to the free use their photographs, short profiles and audio and/or visual recordings for the purposes described above, with the exemption of the beneficiary team member PERSON NAME, PERSON NAME

It is not permitted to use the photographs for purposes other than those described or to place them on the market by making them available to third parties. The lawfulness of the processing is based on Art. 6, para. 1, letter A GDPR (General Data Protection Regulation).

The consent given by the beneficiary team members is voluntary. If it is not given, there will be no disadvantages. The consent can be revoked at any time with effect for the future.

We expressly point out that digital images can be accessed worldwide, for example on the project "eWAVE" website, and further use by third parties cannot be ruled out.

5. Signature

Location, Date

Signature

Funded by the European Union

eWAVE – GA no. 101192702

Willar Vonk

To be completed with person names that do not consent, or to be deleted when all team members consent

@mention or reply

Annex B: Initial Media Kit Guide for partners

project eWAVE

Efficient HV-electric modular battery and distribution systems for sustainable WAterborne VEssels

MEDIA KIT GUIDE

Primary Author	Willar Vonk | TechConcepts
Document version data	21.07.2025
Author email address	willar.vonk@techconcepts.eu

Funded by the European Union

project eWAVE is funded by the European Union's Horizon Europe research and innovation programme under grant agreement No. 101192702

Readers guide for this document

This "Media Kit Guide" is developed for the partners in project eWAVE. It informs the partners about the available media kit, such as the website, flyers, banners, logo, icons, videos, etc. It provides clear instructions where to find these items and tools and how to use them. It offers guidance on how to correctly acknowledge EU funding and how to register dissemination activities, including presentations and open access publications. The guide also provides summarized information about the GDPR consent procedures and the Open Science practices and research data management within the eWAVE project.

Partners can browse through this guide through the table of contents. The media kit guide is a living document and is regularly updated. The media kit guide is written by TechConcepts, who is the communication manager for the eWAVE project. All partners are invited to send questions, suggestions, additional information requests, ideas and remarks to willar.vonk@techconcepts.eu.

Table of Contents

1 How to do EU funding acknowledgement (MANDATORY!)

The Grant Agreement provides strict rules about EU funding acknowledgement. EU funding acknowledgement is very important. As presented by the CINEA officer during the project kick-off:

Always acknowledge EU funding (no reference to EU funding = no payment

This means that if you have written a journal article, or if you are presenting at a workshop, and you do not acknowledge EU funding in the correct way, your costs will not be eligible.

Compliance with these rules is the responsibility of the partners and will be checked by i2m as part of their financial reporting task.

This is a quote of article 17.2 of the Grant Agreement

"Unless otherwise agreed with the granting authority, communication activities of the beneficiaries related to the action (including media relations, conferences, seminars, information material, such as brochures, leaflets, posters, presentations, etc., in electronic form, via traditional or social media, etc.), dissemination activities and any infrastructure, equipment, vehicles, supplies or major result funded by the grant must acknowledge EU support and display the European flag (emblem) and funding statement (translated into local languages, where appropriate):

Figure 1.1: Correct use fo the European flag (emblem) an in the funding statements.

The emblem must remain distinct and separate and cannot be modified by adding other visual marks, brands or text.

Apart from the emblem, no other visual identity or logo may be used to highlight the EU support. When displayed in association with other logos (e.g. of beneficiaries or sponsors), the emblem must be displayed at least as prominently and visibly as the other logos.

For the purposes of their obligations under this Article, the beneficiaries may use the emblem without first obtaining approval from the granting authority. This does not, however, give them the right to exclusive use. Moreover, they may not appropriate the emblem or any similar trademark or logo, either by registration or by any other means."

Then article 17.3 of the Grant Agreement defines that "Any communication or dissemination activity related to the action must use factually accurate information." and defines the correct way of acknowledging EU funding, including a mandatory disclaimer.

The correct way of acknowledging EU funding is done by using the flag / emblem displayed above, and by inclusion of the following text:

"This project is funded by the European Union's Horizon Europe research and innovation programme under grant agreement No. 101192702 (eWAVE). Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Climate, Infrastructure and Environment Executive Agency (CINEA). Neither the European Union nor the granting authority can be held responsible for them."

The logo of the European Union can be found in the SharePoint folder: 05 funding acknowledgement statement and emblem

2 Available Visual Communication / Dissemination Materials

2.1.1 Project Logo

The logo forms the basis of the eWAVE corporate identity. The logo uses a colour scheme combining blue and green, representing the "Blue economy" and the "Green transition". The "e" is shaped like an electricity plug, with the cord transforming into a leaf. The cord and the "e" also represent a wave formation. The word WAVE has the shape of a sea vessel with a bulbous bow.

Figure 2.1: the eWAVE logo, titled "Green Technology"

The logo can be downloaded from the project website Media Kit - eWAVE project or from the eWAVE SharePoint 01 eWAVE logo in png format.

2.1.2 Presentation template

A presentation template is available for partners in PPTX format. The template can be used by partners to create a presentation for project eWAVE. The template can be found on the SharePoint in the folder: 03 eWAVE presentation template

2.1.3 General project presentation

A simple presentation of the project is available for partners in PDF and PPTX format. It can be found on the SharePoint in the folder: 02 eWAVE project presentation

The presentation can be used by partners to present the project. The content has been approved by all project partners. The content can be adjusted to the needs of the presenting partner.

2.1.4 Project flyer

The project flyer is available in digital and paper format. The flyer contains general information about the project, which has been approved by all partners.

The digital version of the flyer can be found on the project website: Media Kit - eWAVE project

You can also find the digital version on the SharePoint in the folder: 06 eWAVE project flyer

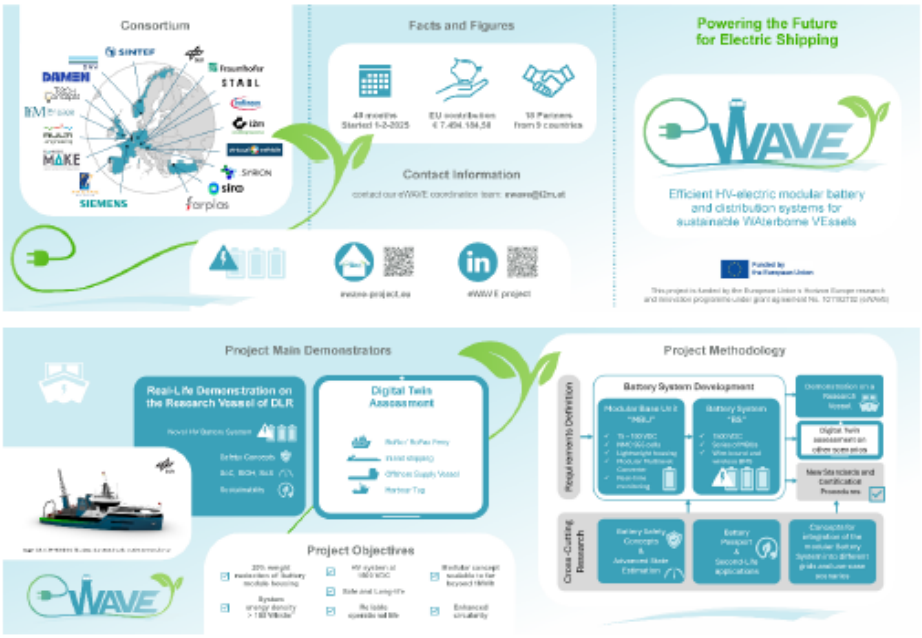


Figure 2.2: eWAVE project flyer in folded triptych format in 148 x 148mm size

The paper version of the flyer is available in 148x148mm format. They can be ordered by sending an email to willar.vonk@techconcepts.eu. You can also print them yourself at your local print shop.

2.1.5 Project roll-up banner designs

Two Roll-up banner design variants were developed in 2010 x 860mm format. These banners are made available digitally to the partners in pre-press PDF format so that they can be printed locally.

The banners can be used to showcase the eWAVE project at for example events or conferences. They contain general information about the project, which has been approved by all partners.

The roll-up banner is available in digital format on the project project website: Media Kit - eWAVE project.

You can also find the digital version on the SharePoint in the folder: 04 eWAVE roll-up design

You can have a roll-up banner printed by your local print shop. TechConcepts can adjust the content of the roll-up banner to special requests of partners, for a specific cause.

2.1.6 Project Videos

During the project, several project video's will be created. Like interview videos and an animation video to explain the project concept.

All project videos can be found on the project website in the news page: News - eWAVE project

The videos can also be found on the YouTube playlist of the eWAVE project: project eWAVE - YouTube

And on the project SharePoint: 07 eWAVE project videos

2.1.7 Project poster template

Also, a poster design template was developed, which can be used for poster presentations of scientific publications at conferences, for example. The template is designed to the standard size for scientific posters: landscape format, i.e. 48 inches wide by 36 inches tall (122 cm x 91 cm). The template is available in ppt format and can be easily edited by the partners to create a poster presentation for their publication: 08 eWAVE poster template

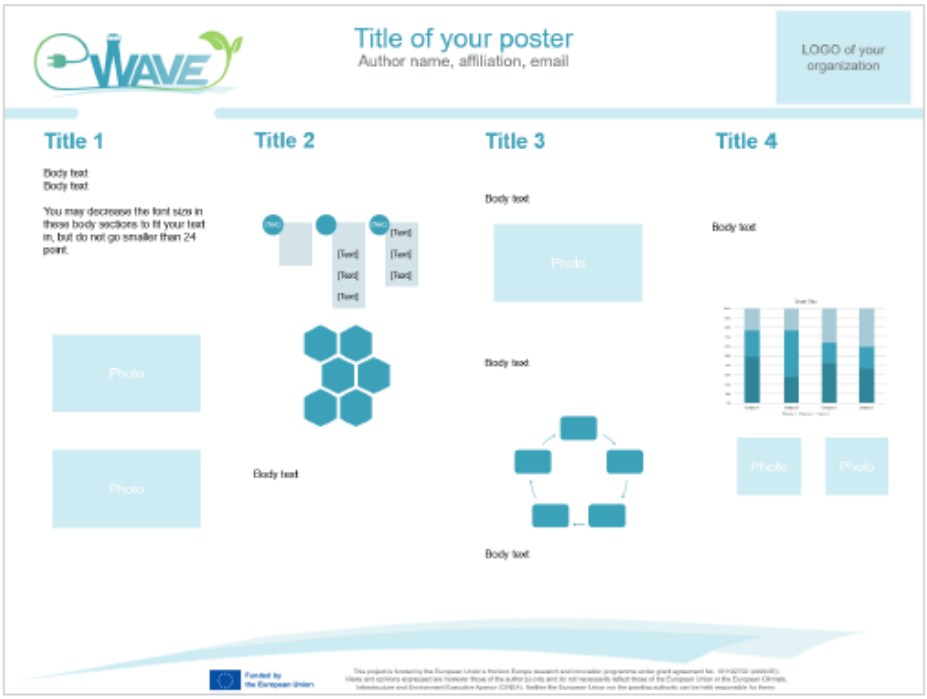


Figure 2.3: Poster template design for project eWAVE in landscape format 122 x 91cm

2.1.8 Newsletters

During the project 8 newsletters are planned, roughly in a bi-annual scheme. The writing of the newsletters will be coordinated by TechConcepts.

The news items in each newsletter are collected in the eWAVE website and social media channels planner.xlsx. The newsletter planning is found in tab 'Newsletters planner'

Partners can submit ideas for news items in the newsletter to willar.vonk@techconcepts.eu.

2.1.9 Color codes and fonts

Based on the project logo, the colour palette for the eWAVE project has been defined. This palette is shown in the figure below.

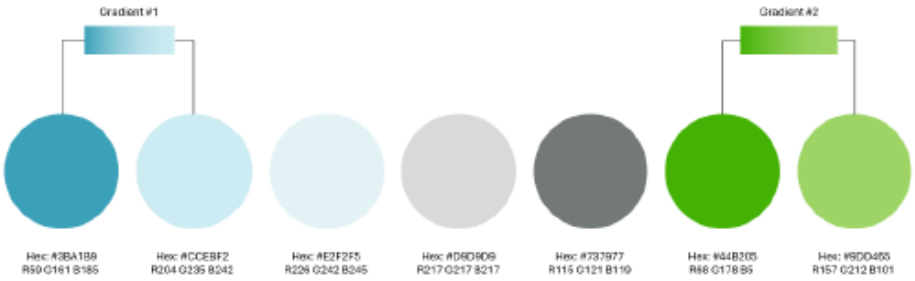


Figure 2.4: The eWAVE colour palette

The preferred font for deliverables is Arial 11pt in black colour, while Arial 16pt, 14pt and 12pt in blue colour (Hex #3BA1B9) are used for titles. Different variations of colours and font sizes can be used for printed and digital visual materials.

In Powerpoint presentations, eWAVE uses the Aptos (body) font.

2.1.10 Press release

TechConcepts has prepared a press release and sent it to the project partners for review and approval. The content of the press release was agreed upon by all partners during the Kick-off meeting in Graz on 12 and 13 March 2025. The press release was published on 17 March 2025 on the eWAVE LinkedIn channel and website.

The press release can be downloaded from the SharePoint: 20250317 kick-off press release

Or it can be referred to via the project website: Kick-off PRESS RELEASE - eWAVE project

3 Social media, Website and email

This section is a guide for using our eWAVE communication channels on social media and the internet. Furthermore, we encourage you to share information about project eWAVE in your own network and using your own channels or the channels of your organization!

3.1.1 Website

The website can be reached via URL https://ewave-project.eu/. Please be invited to share this URL in your network to people interested in the project.

The basis of the website content for the full website was developed in a Word-document and made available for feedback by the partners. After the website content was agreed, the website was built online and launched on 18 July 2025. Further it contains news-items and all project results.

The website is regularly updated every six weeks. The website is maintained by TechConcepts. Partners can send their requests and inputs for the updates to willar.vonk@techconcepts.eu

3.1.2 LinkedIn

You can reach eWAVE LinkedIn account via https://www.linkedin.com/company/ewave-project/. We would like to invite you to follow eWAVE on LinkedIn and to connect with people in your network.

The account is maintained by TechConcepts. During the project, TechConcepts will launch several social media campaigns to introduce the project to the public. And also news items will be shared via this channel. The planning of posts on LinkedIn can be found in the eWAVE website and social media channels planner.xlsx in the "social media + website planner" tab. The For any request, please contact willar.vonk@techconcepts.eu.

Posts on the LinkedIn channel will be guided by typical hashtags, such as: #CINEA, #ZEWT, #WaterborneTP, #BEPA #BATT4EU #eWAVEProject #SustainableShipping #MaritimeInnovation #BlueEconomy #GreenMaritimePerformance #GreenMaritime #GreenShipping #HighVoltage #BatteryInnovation #Batteries #HighVoltageBatteries #ZeroEmissionTransport #ZeroEmissionWaterborneTransport #HorizonEurope #EUWTSE #Solid4B #HighBatt #HARPOONERS.

Feel free to also use these hashtags in your own posts about project eWAVE.

And please always tag eWAVE by including "@eWAVE project"

3.1.3 Youtube

Also a YouTube playlist was developed for the project, on which the videos related to the project will be posted. This playlist can be found here: project eWAVE - YouTube

3.1.4 Email

The official email address of eWAVE is ewave@i2m.at. Emails sent to this address are received by the project coordinators Marcel Egger and Anesa Begovic.

4 Dissemination and Communication performance KPIs

As per the Grant Agreement, the KPIs presented in Table 4.1 are set for the Communication and Dissemination activities. The table includes reference to the general purpose of each measure, the target groups (TGs, as further detailed in Table 4.2), the partners that are in lead of the coordination of the activity (not meaning that other partners are not involved), and the specific task or Work Package that is related to the specific activity.

Table 4.1:KPIs for the different Communication and Dissemination measures in project eWAVE

Dissemination / Communication Measure	purpose	Key performance indicators	Target Groups	Lead Partner	related task
Updates on Project website	General information	≥ 8 updates & ≥500 views/year	all TGs	TechConcepts	8.1
Organization of workshops	Knowledge exchange	≥ 1 workshops/year	TG 4-8, 9-10	All partners	WP8
Participation in Conferences	Knowledge exchange	> 10 conferences	all TGs	All partners	8.2
Open Access publications	Research	> 5-10 publications	TG9-10	All partners	8.2
Online magazines, newspapers	General information	≥ 4 newsletters	all TGs	TechConcepts	8.1
Clustering activities	Knowledge exchange	≥ 1 activity / year	TG7-9, 11	All partners	8.1

The table below outlines the primary Target Groups (TGs) that are identified for the eWAVE project, including their relative importance, and the innovations (eleaborated below) and KERs that are of interest to each group, around which key messages can be created. Understanding and engaging with these TGs is essential for achieving the desired impact:

Table 4.2: eWAVE Target Groups (TGs), their relative importance, and eWAVE innovations and KERs that are of interest to each group

#	Type	Importance	Innovations of relevance	KERs of relevance
TG1	Ship operators (maritime & inland)	Medium	I-3 to I-5	KER1, KER2, KER4, KER6, KER13
TG2	Ports and terminals (charging infrastructure…)	Medium	I-3, I-4	KER4, KER6
TG3	Technology providers and integrators (Electric storage system and converter providers, Software developer for ship systems, Simulation & Digital Twin experts)	High	All innovations	All KERs
TG4	Engineering & Consulting Services (marine & inland)	High	All innovations	All KERs
TG5	Shipyards (maritime & inland)	High	All innovations	KER3, KER4, KER5, KER13, KER15, KER17
TG6	Application Sectors (Sustainability & Circularity solutions: 2nd-life applications, LCM…)	High	I-1, I-5	KER1, KER2, KER10
TG7	Associations, partnerships & networks (Maritime and inland waterway Partnerships, EU Technology/Industry Associations, National associations)	Medium	I-4 to I-6	KER1, KER2, KER4, KER10, KER11

TG8	Policy makers (European Commission, regulators [Standardization, Certification bodies], public agencies, classification societies)	High	I-4 to I-6	KER1, KER2, KER4, KER6, KER11, KER12, KER13
TG9	Scientific Community	High	All innovations	All KERs
TG10	Students and young researchers	High	All innovations	All KERs
TG11	Broader public	Medium	I-4, I-5	KER1, KER2, KER6

The Grant Agreement defines 6 main innovations that will be realised and that might be of interest to specific TGs:

- Innovation I-1: New battery chemistry, light-weight housing design and wireless BMS to enable high energy density battery system
- Innovation I-2: High voltage BSs using scalable modular power electronic converters and insulation
- Innovation I-3: Applicability of modular BS to other grid types (bipolar DC-, AC-, shore side- grids)
- Innovation I-4: Methods to improve Battery State Estimation and Safety
- Innovation I-5: Investigation of concepts for improving sustainability and circularity of BSs
- Innovation I-6: Novel electric system topologies and control for different ship types with Digital Twins

5 Tracking of dissemination and communication activities

In the eWAVE project, IfM is coordinating the monitoring of the dissemination activities. The monitoring / tracking is mandatory: eWAVE will report the communication and dissemination activities during the official periodic reporting in the SyGMa system. And IfM will report them mid-term and at the end of project in deliverables D8.2 (due in Month 24) and D8.3 (due in Month 48).

For this purpose, IfM Engage has created the "eWAVE Dissemination plan" Excel file. This file keeps track of the planned and realised

1. participations in conferences and events (Figure 5.1),
2. Academic and Scientific Publications (Figure 5.2), as well as
3. other communication and dissemination activities by partners (through their own channels or via public media) for Public Engagement (Figure 5.3).

These Logs are available to all partners in the project repository: eWAVE Dissemination plan.xlsx. In the Log files, the columns with dark blue marked headers contain information that is required for the reporting in the SyGMa reporting system.

Partners are reminded monthly by IfM to share their contributions. Screenshots of both Dissemination Log files are provided below.

Figure 5.1: Screenshot of the eWAVE dissemination plan and log for participation in events and conferences

Figure 5.2: Screenshot of the eWAVE Dissemination plan and log for Academic and Scientific Publications

Figure 5.3: eWAVE log for Public Engagement activities by partners (through their own channels or via public media (status of 16-7-2025)

Next to these Log files, IfM Engage has also created a PowerPoint file in which screenshots and photos of the performed activities are filed: Project_Dissemination_screenshots_and photos.pptx

6 GDPR consent

To ensure that proper privacy of various individuals participating in the project is properly protected during project communication and dissemination activities, all partners were requested to sign a GDPR consent form. In this form, all partners have appointed a person within their organisation who is acting as GDPR officer for project. By signing the GDPR consent form, all partners have given the eWAVE project their consent on the free use of any type of visual or audio material.

The signed GDPR forms were collected and - together with a list of GDPR contact persons from each project partner - stored on the eWAVE project repository: GDPR consent.

7 Open Science practices and research data management (highlights)

Deliverable D1.2 Data Management Plan is submitted in parallel to this document in M6 and outlines how the project makes research data FAIR (findable, accessible, interoperable, re-openable).

Open access to the project's peer-reviewed scientific publications will be provided with the highest standard when possible. Public deliverables holding high dissemination value will be published in a public form and, if necessary, adapted to specifically target intended audiences. Additionally, given the high value of and efforts spent on producing the content, adequate protection of the project's image as well as the content integrity (e.g., against decontextualization) is crucial. All public project materials will be made available through the project website. For data to be made publicly available, the project coordinator (i2m) will use an open-access repository linked to EC-recommended platforms (e.g., open AIRE) to provide access to publications and standardized bibliographic metadata, including information requested by the EC

The eWAVE partners will ensure Open Access using open access publication practices for scientific/technical papers, such as green/gold open access options and publication of accepted manuscripts on relevant sharing platforms (in accordance with the publishers' rules) prior to final publication.

Annex C: eWAVE Press Release 17 March 2025

PRESS RELEASE

eWAVE: a consortium of 18 interdisciplinary European partners will push the borders of High-Voltage technology for electric vessels to power the future for electric shipping.

13 March 2025 – The maritime sector faces challenges in transitioning to sustainable, all-electric vessels. Key obstacles include low energy density in current battery systems, safety concerns, and the need for durable, sustainable materials. Economic viability also remains a significant barrier for widespread adoption.

To address these issues, the EU-funded new research project eWAVE brings together 18 experts from research, technology, and shipbuilding to advance high-voltage (HV) technology for battery powered vessels. By developing high-energy-density batteries, scalable modular systems, and an integrated safety concept, eWAVE aims to enhance the sustainability, safety, and efficiency of maritime transport. The project will also explore circularity through bio-based materials and recycling, supporting the EU's goal of reducing the environmental footprint of shipping.

Funded through the European Union's Horizon Europe Framework Programme for Research and Innovation, the project will receive EUR 7,5 million over the next four years. eWAVE is coordinated by i2m and the consortium kicks off its activities today with a consortium meeting in Graz in Austria

Funded by the European Union

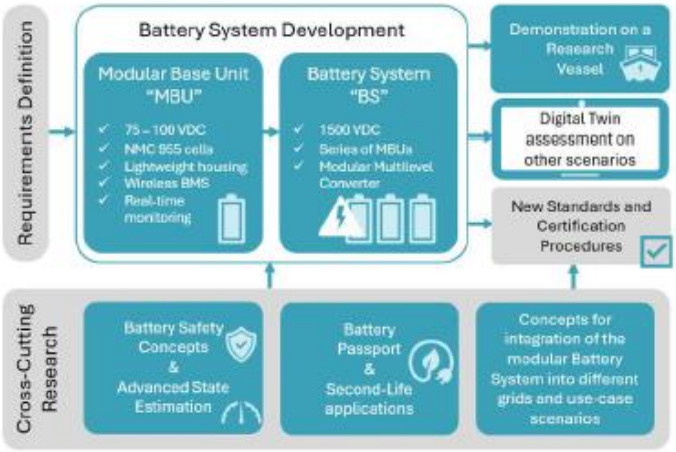
This project is funded by the European Union's Horizon Europe research and innovation programme under grant agreement No. 101192702 (eWAVE). Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Climate, Infrastructure and Environment Executive Agency (CINEA). Neither the European Union nor the granting authority can be held responsible for them."

PRESS RELEASE

The research, technology and shipbuilding experts in project eWAVE will collaborate to mature High-Voltage (HV) technology for electric vessels for future uptake in European shipbuilding sector, using efficient HV electric modular battery and distribution systems. The full project title is "eWAVE: Efficient HV-electric modular battery and distribution systems for sustainable WAterborne VEssels". Together, the eWAVE partners will research, develop and demonstrate HV solutions for sustainable maritime and inland vessels.

At present, the widespread adoption of such HV technology is hindered by several obstacles (e.g. current battery systems' energy density, safety concerns, durable & sustainable materials), and, finally, economic viability / sustainability. Overcoming these obstacles will be achieved by using new high-energy-density high-nickel-content batteries for waterborne applications in a lightweight housing made of recyclable thermoplastics, wired and wireless BMS solutions and multi-level converters that provide the required scalability for vessel systems far beyond 1MWh. The battery system will be fostered by an integral safety system concept considering thermal runaway & ventilation, supported by an integrated real-time condition monitoring system using novel SoC/SoH algorithms and SoS estimation.

Project Methodology



The key results of eWAVE will be validated via laboratory and real-life vessel demonstrators. The applicability of the system will be investigated across multiple vessel types using an efficient modular digital twin to maximize industry uptake. To further improve circularity and sustainability of maritime battery systems, eWAVE will explore bio-based battery housings, a design for dismantling and recycling, the creation of a battery passport concept for the maritime sector, and potential 2nd life applications for the batteries.

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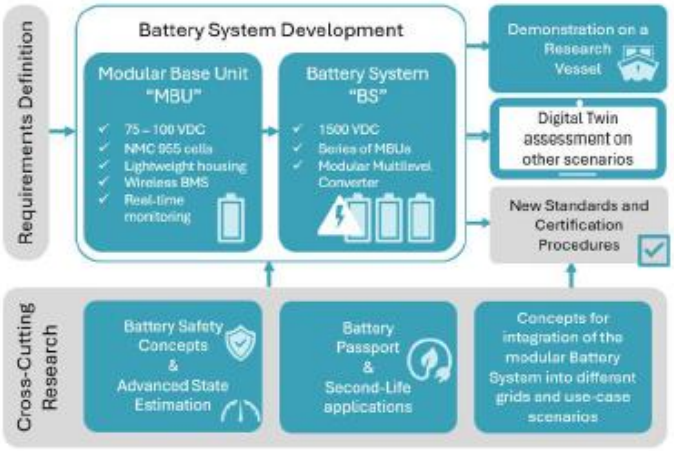

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PRESS RELEASE

Project main Demonstrators

eWAVE's HV technology solutions, tools and methods are expected to significantly improve the safety, efficiency, and sustainability of battery systems in shipping, thus supporting transition to all-electric shipping and contributing to the reduction of the environmental footprint of waterborne transport in the EU and far beyond.

Image: Visualisation of the new DLR research ship on which the eWAVE key results will be demonstrated (source: DLR, CC BY-NC-ND 3.0. This picture is protected by the creative commons license)

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Project Key Facts

Full Name:	eWAVE - Efficient HV-electric modular battery and distribution systems for sustainable WAterborne VEssels
Start Date:	1 February 2025
Duration:	48 months
End Date:	31 January 2029
Budget:	7 576 547,50 EURO
Coordinator:	i2m, Austria
Website:	www.eWAVE-project.eu
Cordis link:	https://cordis.europa.eu/project/id/101192702

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PRESS RELEASE

Project Partners

Project Coordinator

E-mail: ewave@i2m.at
Project website: www.eWAVE-project.eu

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Annex D: eWAVE Project Presentation