



project eWAVE

Efficient HV-electric modular battery and distribution
systems for sustainable WATERborne VESsels

Deliverable D1.2: Data management plan

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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 represents a key element for an appropriate data management plan within the eWAVE project. It provides a comprehensive overview of the data management policies relevant for eWAVE, including collection, storage, usage, production, processing and reusability of research data.

The purpose of the Data Management Plan (DMP) is to provide an analysis of the main elements of the data management policy that will be used by the project with regard to all the datasets that will be collected and generated by the project.

According to Digital Curation Centre (DCC), a DMP saves time and effort, makes the research process easier, helps to validate if the necessary support is considered, and enables making sound decisions.

The first issue of the DMP supports project partners to:

- understand the data and use it when needed;
- ensure continuity if project staff leave or new researchers join;
- avoid unnecessary duplication e.g. re-collecting or re-working data;
- collaborate closer to advance research;
- increase visibility and impact;
- manage citations of other researchers on the data.

The present document provides the initial version of the Data Management Plan, a final revision (Deliverable 1.5) will be submitted by M48 of the project. In this initial version, the focus lies on the available input data provided by the partners. Between the initial and the final version of the DMP, two more revisions are planned (M18 and M36), therefore this DMP is considered as a living document.

The present DMP has been developed based on the EC guidelines on FAIR (findable, accessible, interoperable and reusable) data management in Horizon 2020¹, the guidelines from the Digital Curation Centre (DCC)², and the Open Access (Open Science) policy lines from the EC.

It was decided that TC will not be providing inputs for the DMP questionnaire. The decision is based on the nature of the data generated within the scope of Communication and Dissemination activities, which are not considered scientific outputs under our project's definition. As such, these outputs have been determined to be outside the scope of the DMP requirements. This decision aims to streamline the process and focus resources on pertinent aspects of data management relevant to scientific outputs.

¹ Guidelines on Data Management in Horizon 2020, DG Research and Innovation, 2016.
https://ec.europa.eu/research/participants/data/ref/h2020/grants_manual/hi/oa_pilot/h2020-hi-oa-data-mgt_en.pdf

² How to develop a data management and sharing plan, Sarah Jones, DCC, 2011
<https://www.dcc.ac.uk/sites/default/files/documents/publications/reports/guides/How%20to%20Develop.pdf>