



project eWAVE

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

Deliverable D1.4: Data management plan (revision 1)

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Deliverable Type	DMP
Dissemination Level	Sensitive
Due Date (Annex I)	31.07.2026 (Month 18)
Pages	24
Document Version	Final
GA Number	101192702
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Version Log			
Rev #	Date	Author	Description
0.1	11.05.2026	Anesa Begovic (I2M)	First Draft
0.2	12.05.2026	Anesa Begovic (I2M)	Second Draft
0.3	13.05.2025	Anesa Begovic (I2M)	Third Draft
0.5	29.05.2026	Willar Vonk (TC)	Reviewed & approved
0.6	18.06.2026	İrem Düzenli (FARPLAS)	Reviewed & approved
Final	25.06.2026	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 document, as presented below, represents version 2.0 (M18) of the eWAVE Data Management Plan.

In v1.0, the revision of D1.2 was foreseen in M18, M36, and M48. The scope of the first version was to present an overall approach towards processing of the data produced within a framework of the project.

This, second version should still be considered as a living document as it will be reviewed and finalized two more times by the end of the project.