



Operational Service for Safe Navigation in the Western Black Sea (SAFEBLESS)

Safebless

Support for Maritime Spatial Planning and Safe Navigation in the Western Black Sea

Official site:

<https://marine.copernicus.eu/services/use-cases/operational-service-safe-navigation-western-black-sea-safebless>

Project Duration: 18 months (2023-2025)

Funded under: Copernicus Marine Service User Engagement Programme 2022-2028

NIMRD Project Coordinator: dr. Elena Vlăsceanu

Safebless project aims to develop and implement an operational meteo-oceanographic service for the Romanian seaports of Constanta and Midia, providing high-resolution forecasts and decision-support tools to enhance safe navigation, efficient port operations, and maritime spatial planning in the Western Black Sea Basin.

Specific objectives

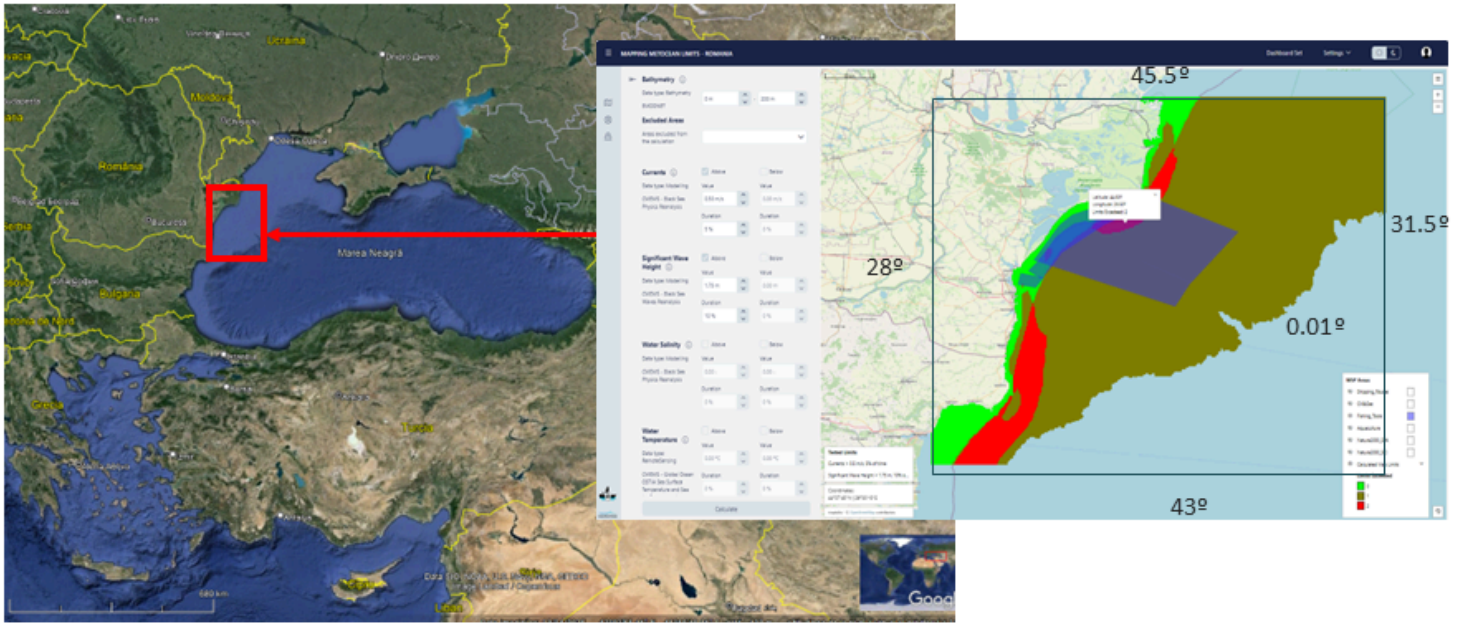
- Provision of High-Resolution Forecasts;
- Development of Value-Added Services;
- Integration of Numerical Models and Data;
- Implementation of the AQUASAFE Platform, a dynamic web-based decision-support system to manage, monitor, and forecast maritime activities, ensuring seamless connection to diverse models and data sources;
- Support for Maritime Stakeholders;
- Enhancement of Maritime Spatial Planning;
- Collaboration and Capacity Building;
- Alignment with Copernicus Program Goals, contributing to its 2021-2028 mission.

Partnerships

Portugal (HIDROMOD), Romania (National Institute for Marine Research and Development "Grigore Antipa" - NIMRD)

Use cases

Case 1 – Marine Spatial Planning (mapping metocean limits) - Romania



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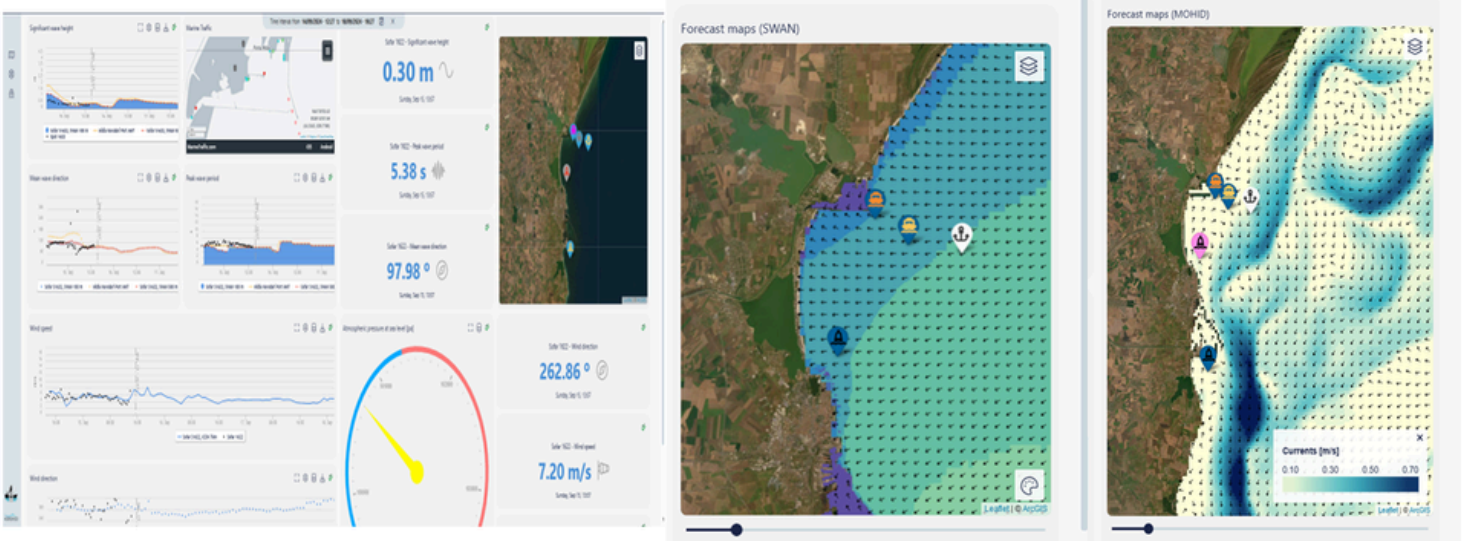
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Case 2 – Safe navigation

Real time dashboards focus on the needs of each user

High-resolution prediction of sea currents and waves in coastal zone and ports area



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<https://nimrd.hidromod.com/pm/home/demo>