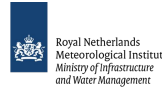


Marine Environmental Indicators

The VLab aims to develop a web application that allows users to monitor and assess the environmental status of marine areas, by performing online spatio-temporal analysis with the implemented algorithms, for selected environmental variables.

Partners Involved



Data Sources

Copernicus Marine Service, Copernicus Climate SeaDataNet, World Ocean Database, EMODnet.

Main Target Users

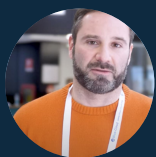
Oceanographic and Environmental researchers, Governmental Environmental Agencies (like the Italian ARPA), Marine Protected Areas managers, Municipalities, Port Authorities

UN SDGs addressed



Services Introduction

Started in the pilot phase of Blue-Cloud (2020-2022), Marine Environmental Indicators (MEI) VLab (Virtual Lab) **allows users to monitor and assess the environmental status of marine areas and support the decision-making process for the ocean management.** Multiple data sources are exploited in a unique data analysis service, which will allow the online computation of indicators. Functionalities developed in the pilot Blue-Cloud are going to be improved, including **new data sources** (physics, biogeochemistry, biology, chemical data) and **new algorithms**. The tool will calculate online metocean information and indicators on the environmental quality of the Mediterranean Sea and Global Ocean, using input from BDIs, also improving uncertainty evaluation.



Francesco Palermo
CMCC Foundation

We want to improve the user experience so the generation of the current marine environmental indicators and the new ones will be easier.

Learn More Here!

