



Integration of Coastal observations along Europe

This Virtual Lab implements an environment that is specifically designed to widely expand user's ability to access, integrate and exploit observations collected along the European coastal ocean areas, with particular focus to the observations provided by the partners of the Joint European Research Infrastructure for Coastal Observatories (JERICO-RI).

Partners Involved



Data Sources

CMEMS, EMODnet Physics, Geology, Biology, Bathymetry and Human Activities, SOCIB Data Repository, IH, PdE, PLOCAN.

Main Target Users

Blue-Cloud Hackathon Participants, Blue-Cloud Task Forces (EU DTO), Marine Researchers, Blue Economy Actors, Crisis Managers, Policy Makers/ EU Initiatives, Citizen Scientists.

UN SDGs addressed



Services Introduction

ICOOE implements advanced processing and post-processing facilities, analytical tools and interactive state-of-the-art visualizations to provide unprecedented insight and build new knowledge on key scientific and societal questions about the coastal ocean environment of Europe, focusing three Thematic Services.

SERVICES

Transport and Connectivity

It focuses on "Transboundary Transport and Connectivity" along the European margins and explore the potential of integration of in-situ and remote observations and of numerical model results, to advance in the understanding of the transboundary processes along the European coastal ocean and mapping their potential impacts such as biological connectivity or the spread of contaminants.

Extreme Events

It addresses the "Extreme Events" that affect the European coasts, providing a number of tools that enable to explore the available observations and to characterize the impacts of major storms on the coastal ocean environment and coastline.

Ocean Glider

The "Ocean Glider", aims to demonstrate the added value chain of repeated glider sections from data acquisition to advanced products and visualisations.



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We use the resources in Blue Cloud to fully exploit the integration of coastal ocean observations along Europe. The generated advanced exploration and visualization tools provided in the VLab will provide useful information to different stakeholders from the coastal environment.

Learn More Here!

