Towards an integrated EU data system within

AtlantOS EU Horizon 2020 project

Fact sheet

Project description

AtlantOS is a Blueprint project in the Copernicus Marine Environment Monitoring Service (CMEMS) to implement an integrated data system for the Atlantic Ocean. The project aims to facilitate access to Atlantic Ocean observations and to coordinate the reporting of these data to the Ocean Data Information System (ODIS).

The project, which started in October 2015 and is expected to last until the end of 2018, is led by IFREMER (France) and is supported by SeaDataNet (Europe), the U.S. National Oceanic and Atmospheric Administration (NOAA), and the National Oceanography Centre (UK).

The project is expected to deliver a range of benefits, including improved access to data, enhanced coordination of activities, and increased understanding of the ocean environment in the Atlantic region.

Key objectives

The project has several key objectives:

1. Develop an integrated data system for the Atlantic Ocean
2. Facilitate access to Atlantic Ocean observations
3. Coordinate the reporting of these data to the ODIS
4. Enhance the integration of data from different sources

Project structure

The project is divided into work packages (WP) that focus on different aspects of the project. The work packages are:

WP1: System definition and integration
WP2: Data services and products
WP3: AtlantOS user platform
WP4: Socio-technical applications
WP5: AtlantOS in situ observations
WP6: AtlantOS satellite observations
WP7: AtlantOS Outreach and coordination

Benefits for Networks

- Target new users
- Improved traceability and monitoring tools
- Recommendations to implement a data citation strategy
- Mapping between network parameters and EO/ECV through the AtlantOS mapping vocabulary

Benefits for Users

For Operational Users:

- Enhance the quality of the Historical products in partnership with the Networks and the Integrators
- Provide tools for the AtlantOS coordination on what data is freely available for users and provide inputs for the elaboration of the AtlantOS Blueprint

For AtlantOS WP9:

- Provide tools for the AtlantOS coordination on what data is freely available for users and provide inputs for the elaboration of the AtlantOS Blueprint

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