



SeaDataCloud - Further developing the pan-European infrastructure for marine and ocean data management. The project is funded by the European Commission Horizon 2020 programme, under the grant agreement no 730960

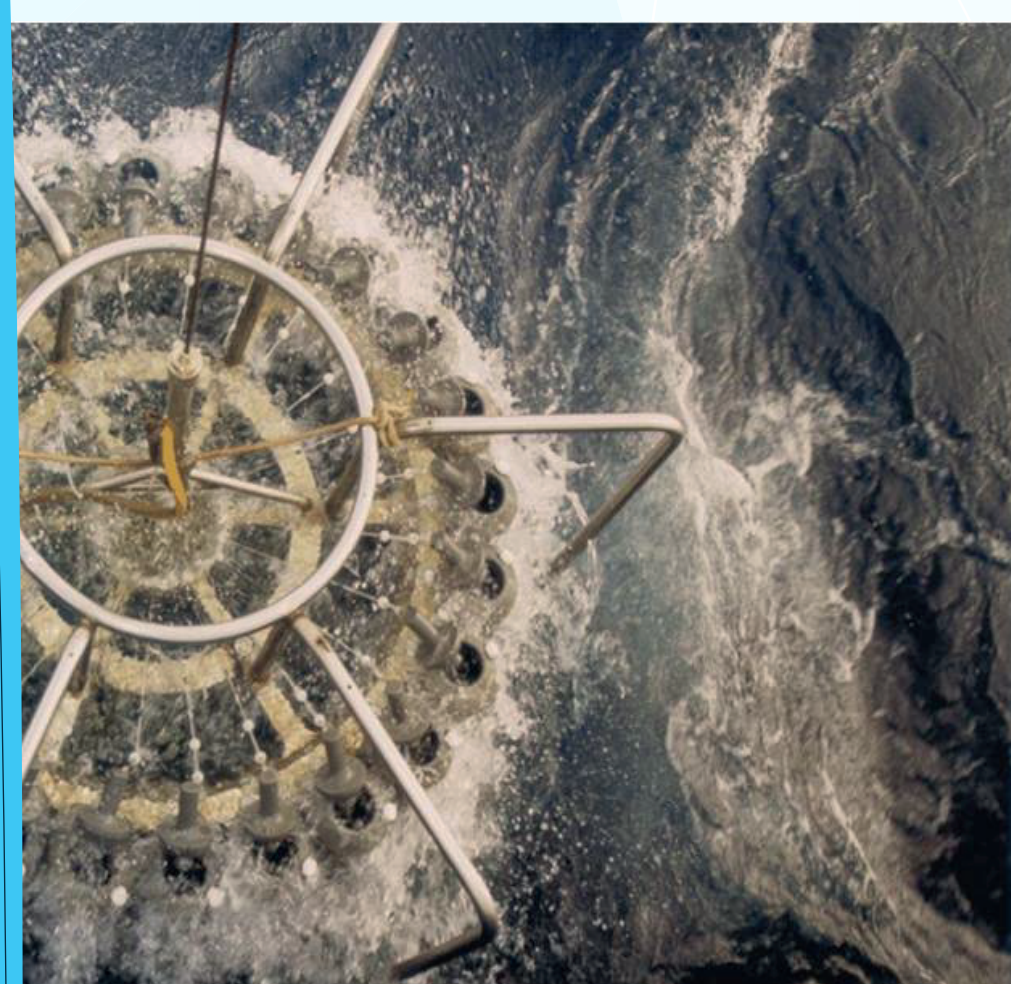


SeaDataCloud

# SeaDataCloud

enhancing the SeaDataNet infrastructure

## AIMS



## SERVICES

products and more

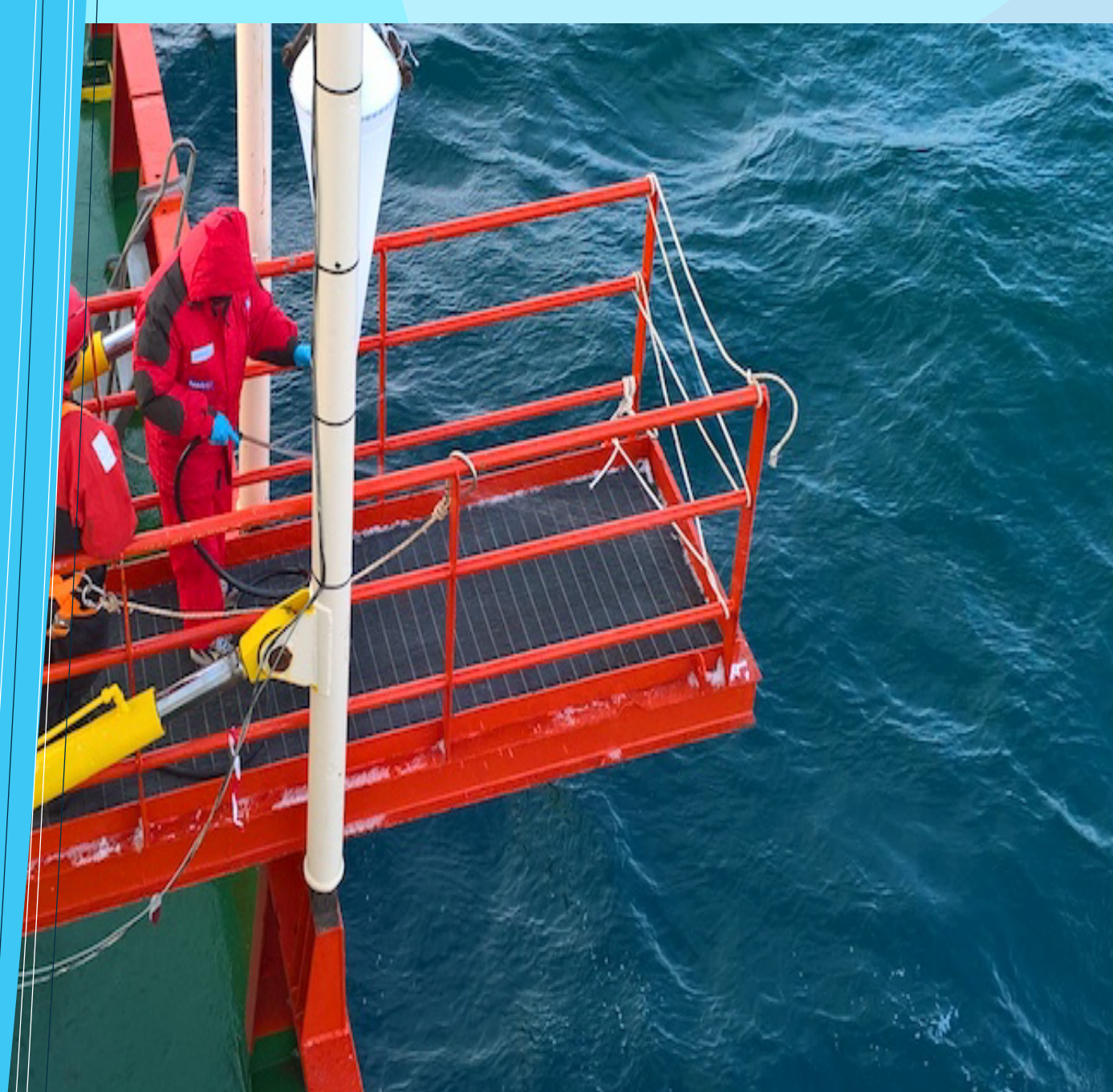


The SeaDataCloud (2016-2020) project involves a network of 56 partners across 32 countries, bordering the European seas. The Consortium is made of 41 data centers and major research institutes whose activities comprise collecting marine data. SeaDataCloud represents the evolution of the SeaDataNet infrastructure, a pan-European semi-distributed marine data infrastructure, providing integrated data sets of standardised quality, as well as an overview of marine organisations, research and monitoring activities related to the sea. The main goal of SeaDataCloud is to better the overall quality of the cited infrastructure, through its expansion with new data and metadata formats compliant to ISO, OGC and W3C standards, as well as new services. The infrastructure will provide more personalised and advanced services by adopting cloud and High Performance Computing (HPC) technology. The EUDAT partner, an European initiative composed by a network of data centers, will provide the cloud infrastructure for computing, storage and online new services. New kinds of data are intended to supplement the ones available and increase the global coverage.

## A COLLABORATIVE APPROACH

The SeaDataCloud project is not only aimed at technological innovation but also at promoting cultural change. Sharing of data and collaborative research is an important challenge not only for the marine science community but also for different actors, such as shipping companies, offshore power companies, fishing industry, tourism industry, marine and coastal authorities etc.. Policy makers and companies can take advantage of the marine data resources and products available for improving their knowledge of the sea.

## ENHANCE YOUR EXPERIENCE



## DATA POLICY

Even if the current trend in the scientific oceanographic community is full and open data sharing. SeaDataNet data policy lets the data producers free to choose if deliver data without restrictions or just share the metadata to allow the data discovery. In the latter case, the users interested in your data will contact you to make arrangements.

## VIRTUAL COLLABORATION

Sharing data resources allow the creation of value added products. The SeaDataNet portal transforms data in complex information available through services.

## TAKE THE CHANCE TO SHARE DATA

SeaDataNet infrastructure can support European data providers to publish ocean data, allowing long-term accessibility. SeaDataNet helps you to make your data findable, accessible, interoperable and reusable (FAIR), accomplishing to the requirements set out in the Horizon 2020 guidelines on Open Data.



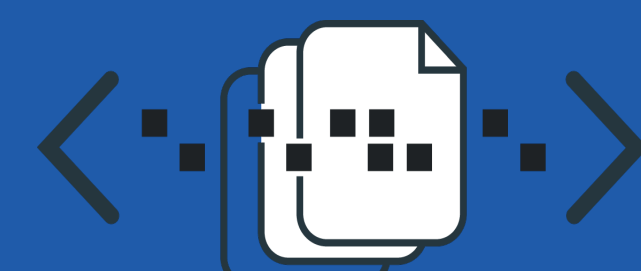
Learn more about our services by visiting our website:

[www.seadatanet.org](http://www.seadatanet.org)

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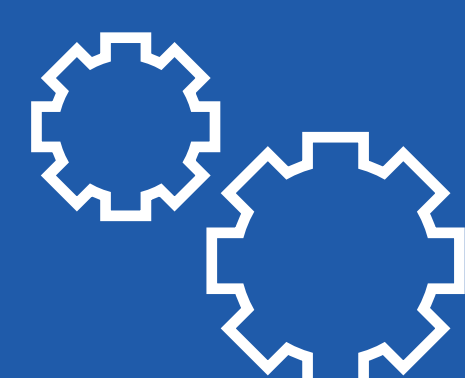
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FREE ACCESS TO OCEAN DATA



### METADATA SERVICES

CSR = Cruise Summary Reports  
EDMED = European Directory of Marine Environmental Data  
EDMERP = European Directory of Marine Environmental Research Projects  
EDIOS = European Directory of Initial Ocean-observing Systems  
EDMO = European Directory of Marine Organisations



### PRODUCTS

AGGREGATED DATA SETS  
CLIMATOLOGIES



### DATA SERVICES

Common Data Index (CDI)  
Data Discovery & Access service



coming soon...

### CLOUD SERVICES

VIRTUAL RESERACH ENVIRONMENT  
MySeaDataCloud  
ACCESS SERVICE