SeaDataCloud PARTNERS

IFREMER France (Coordinator)
MARIS Netherlands (Technical Coordinator)
NERC-BODC United Kingdom
BSH Germany
SMHI Sweden
IEO Spain
HCMR Greece
OGS Italy
RIHMI-WDC Russian Federation
ENEA Italy
INGV Italy
METU-IMS Turkey
AWI Germany
ULG Belgium
IMR Norway
AU-DMU Denmark
ICES Denmark
EU-JRC Belgium
MI Ireland
IHPT Portugal
NIOZ Netherlands
RBINS Belgium
VLIZ Belgium
MRI Iceland
FMI Finland
IMGW Poland
MSI Estonia
LHEI Latvia
SIO-RAS Russian Federation
IO-BAS Bulgaria
NIMRD Romania
TSU-DNA Georgia
IOF Croatia
NIB Slovenia
UOM Malta
IOLR Israel
CNR Italy
IO PAN Poland
CSIC Spain
Deltares Netherlands
SYKE Finland
UkrSCES Ukraine
ETT Italy
EUROGOOS Belgium
DKRZ Germany
CINECA Italy
CSC Finland
STFC United Kingdom
GRNET Greece
UiB Norway
GEOMAR Germany
52°North Germany
SHOM France
ORION Cyprus
CNRS France
UNIBO Italy

Contacts:
Michèle Fichaut - Michele.Fichaut@ifremer.fr
Dick M.A. Schaap - dick@maris.nl

Learn more about our services by visiting our website:
www.seadatanet.org

2 Millions approx
Data providers
32 Countries
+100
Data sets

SeaDataCloud - further developing the pan-European infrastructure for marine and ocean data management. The project is funded by the European Commission within the Horizon 2020 programme, under the grant agreement no 730860
SeaDataCloud will develop a wide range of services in the cloud, from the data ingestion services for publishing observation data streams to the ODV (Ocean Data View) online services, the DIVA (Data Interpolating Variational Analysis) software online, advanced visualisation tools for data streams from operational sensors and platforms, advanced sub-setting service for capturing only the data we want and many others.

The infrastructure is in expansion with new kinds of data whose formats will be developed in compliance to ISO, OGC and W3C standards. Thanks to the innovation in new technology, the infrastructure will offer new advanced services for users and data providers by adopting cloud and High Performance Computing (HPC).

SeaDataCloud will develop a wide range of services in the cloud, from the data ingestion services for publishing observation data streams to the ODV (Ocean Data View) online services, the DIVA (Data Interpolating Variational Analysis) software online, advanced visualisation tools for data streams from operational sensors and platforms, advanced sub-setting service for capturing only the data we want and many others.

The infrastructure is flexible and scalable to ingest new instruments and new terms in the controlled vocabularies. Furthermore, to facilitate the harmonisation of data from many different sources, online data format transformation services will be developed.

To facilitate collaborative and individual research by users, a Virtual Research Environment will be available so that users can use a collection of services and tools and have a personalised access by using the MySeaDataCloud access service. The latter will provide a better service integration, on the basis of individual needs, maintaining the search profile of the users and will provide alerts of new available data.

SeaDataNet users have free access to discovery service, marine data and related services (see scheme on the right). The discovery service is available without logging in, whereas the downloading service needs to go through the login process. The users are also required to agree with the terms of the SeaDataNet license. SeaDataNet will develop advanced services to enhance the experience and give users access to online processing, analysis and visualisation tools.

The portal offers tools and support to data providers to increase the data and metadata SeaDataNet core services.