



# SeaDataCloud

WP9.6 Integration of external datasets from international programs and organizations

Deliverable D9.15

A list of relevant and possible external datasets

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## Integration of datasets from international programs and organizations

Activities undertaken as part of WP9.6 consists of the following tasks:

- WP9.6.1: Identify a list of relevant external data sets D9.15;
- WP9.6.2: Ensure (some) external data sets are made available to SeaDataCloud;
- WP9.6.3: Manage redundancy between external data sets and SeaDataCloud data set

## Integration of datasets from international programs and organizations

D9.15, Identify a list of relevant and possible external data sets (M6)

- To provide a list of relevant external datasets and collections, in collaboration with the Scientific Committee
- Some of the identified data sets to be ingested in SDC, others not but linked to
- For some datasets an agreement might already be in place, for others negotiation will be initiated
- For new initiatives – connected them at an early stage

## Integration of datasets from international programs and organizations

- D9.15 contains data services, data providers, and data collections where some will be given a follow-up
- International, regional and local observation programs, initiatives and data portals and data aggregators
- Most of the data are free and open but some may have data access restriction and in some cases require registration
- Making these data sources and data sets discoverable and accessible will be beneficial for SeaDataNet users in a number of ways and can also be linked to
- 32 Global, 16 Regional (EU and non-EU), 7 local sources identified

# Integration of datasets from international programs and organizations

	<p><i>Short Name:</i> GLODAPv2</p> <p>A uniformly calibrated open ocean data product on inorganic carbon and carbon-relevant variables</p> <p><i>Website:</i> <a href="https://seabass.gsfc.nasa.gov/wiki/System_Description">https://seabass.gsfc.nasa.gov/wiki/System_Description</a></p> <p><i>Direct Link to data (if available):</i> <a href="http://cdiac.ornl.gov/ftp/oceans/GLODAPv2/Data_Products/data_product/">http://cdiac.ornl.gov/ftp/oceans/GLODAPv2/Data_Products/data_product/</a></p>
	<p><b>Global Ocean Acidification Observing Network</b></p> <p><i>Short Name:</i> GOA-ON</p> <p>Collaborative international approach to document the status and progress of ocean acidification in open-ocean, coastal, and estuarine environments, to understand the drivers and impacts of ocean acidification on marine ecosystems, and to provide spatially and temporally resolved biogeochemical data necessary to optimize modelling for ocean acidification.</p> <p><i>Website:</i> <a href="http://goa-on.org/">http://goa-on.org/</a></p> <p><i>Direct Link to data (if available):</i> <a href="http://portal.goa-on.org/Explorer">http://portal.goa-on.org/Explorer</a></p>
	<p><b>The Global Ocean Surface Underway Data</b></p> <p><i>Short Name:</i> GOSUD</p> <p>GOSUD data are provided by volunteer contributors who are willing to build freely accessible global datasets, promote standard methodologies and agree on a common data policy. The observations are collected from different categories of platforms such as research vessels, merchant ships but also sailing ships or cruise vessels. Whenever possible, data or data subsets are transmitted in real time.</p> <p><i>Website:</i> <a href="http://www.gosud.org/">http://www.gosud.org/</a></p> <p><i>Direct Link to data (if available):</i> <a href="ftp://ftp.ifremer.fr/ifremer/gosudv3/latest/">ftp://ftp.ifremer.fr/ifremer/gosudv3/latest/</a> <a href="ftp://ftp.ifremer.fr/ifremer/gosudv3/delayed_mode/">ftp://ftp.ifremer.fr/ifremer/gosudv3/delayed_mode/</a></p>

Short name

Logo

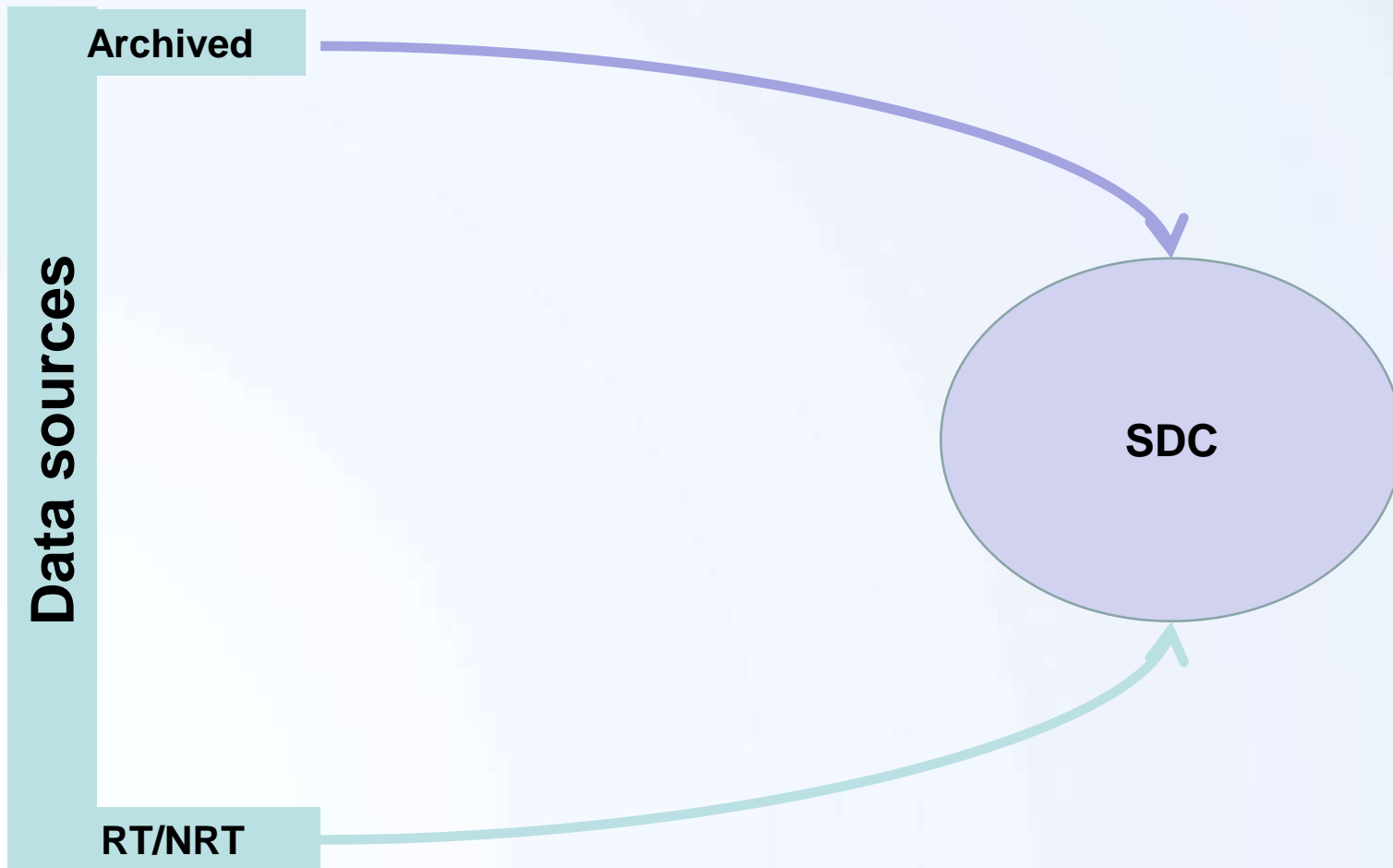
Full name

Short description

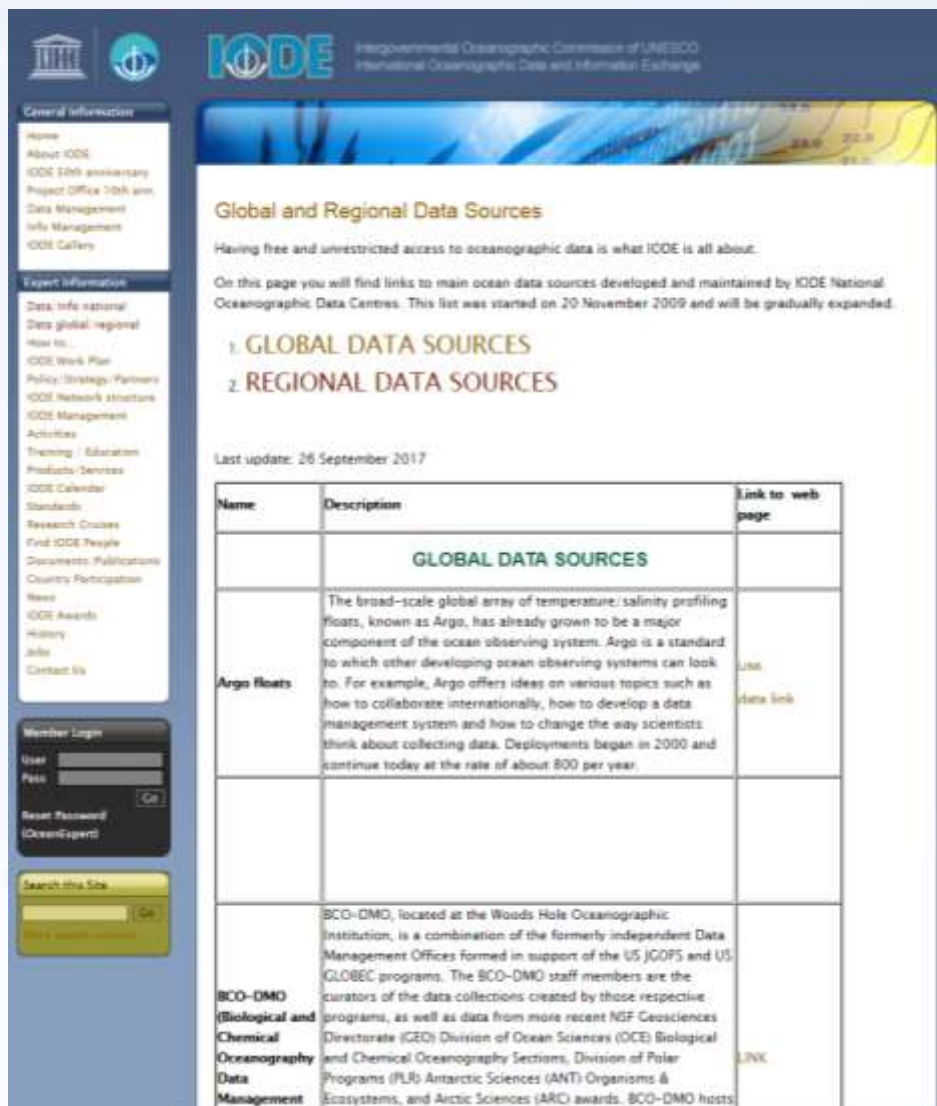
Website

Direct link to data

## Integration of external non-European datasets

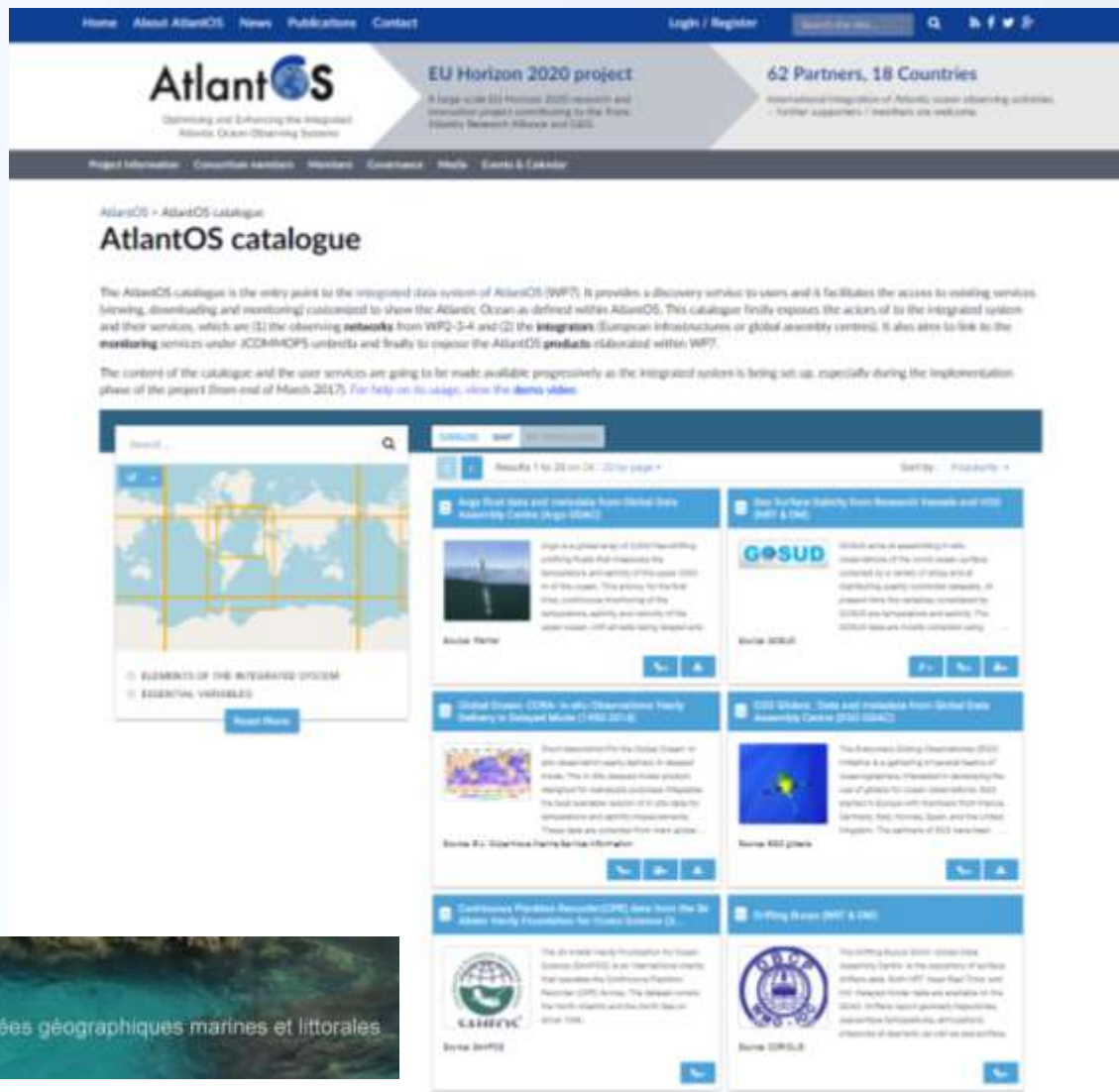


IOC data and information system (ODIS)



The screenshot shows the IODE website interface. At the top, there are logos for the United Nations, IODE, and UNESCO. The main heading is "Global and Regional Data Sources". Below this, there is a paragraph explaining the purpose of the page: "Having free and unrestricted access to oceanographic data is what IODE is all about. On this page you will find links to main ocean data sources developed and maintained by IODE National Oceanographic Data Centres. This list was started on 20 November 2009 and will be gradually expanded." There are two numbered sections: "1. GLOBAL DATA SOURCES" and "2. REGIONAL DATA SOURCES". A "Last update: 26 September 2017" note is present. A table lists data sources with columns for Name, Description, and Link to web page. The table includes entries for "Argo floats" and "BCO-DMO (Biological and Chemical Oceanography Data Management)".

Name	Description	Link to web page
<b>GLOBAL DATA SOURCES</b>		
Argo floats	The broad-scale global array of temperature/salinity profiling floats, known as Argo, has already grown to be a major component of the ocean observing system. Argo is a standard to which other developing ocean observing systems can look to. For example, Argo offers ideas on various topics such as how to collaborate internationally, how to develop a data management system and how to change the way scientists think about collecting data. Deployments began in 2000 and continue today at the rate of about 800 per year.	<a href="#">Link</a> <a href="#">data link</a>
BCO-DMO (Biological and Chemical Oceanography Data Management)	BCO-DMO, located at the Woods Hole Oceanographic Institution, is a combination of the formerly independent Data Management Offices formed in support of the US JGOFS and US GLOBEC programs. The BCO-DMO staff members are the curators of the data collections created by those respective programs, as well as data from more recent NSF Geosciences Directorate (GEO) Division of Ocean Sciences (OCE) Biological and Chemical Oceanography Sections, Division of Polar Programs (PLP) Antarctic Sciences (ANT) Organisms & Ecosystems, and Arctic Sciences (ARC) awards. BCO-DMO hosts	<a href="#">LINK</a>



The screenshot shows the AtlantOS catalogue website. At the top, there is a navigation bar with links for Home, About AtlantOS, News, Publications, and Contact. The main header features the AtlantOS logo, the text "EU Horizon 2020 project", and "62 Partners, 18 Countries". Below the header, there is a section titled "AtlantOS - AtlantOS Catalogue" with a sub-header "AtlantOS catalogue". The text explains that the catalogue is the entry point to the integrated data system of AtlantOS (WPF) and provides a discovery window to users. It lists the components of the integrated system and essential variables. The main content area displays a grid of data cards, each representing a different data source or service, such as "Sea Surface Salinity from Sentinel-3 SeaWiFS and SMOS", "Sea Surface Salinity from Sentinel-3 SeaWiFS and SMOS", "Global Ocean CO2 in situ Observations Yearly Delivery to Selected Users (GOSUD)", "SeaWiFS Chlorophyll a and Chlorophyll b", "SeaWiFS Chlorophyll a and Chlorophyll b", "SeaWiFS Chlorophyll a and Chlorophyll b", "SeaWiFS Chlorophyll a and Chlorophyll b", "SeaWiFS Chlorophyll a and Chlorophyll b", "SeaWiFS Chlorophyll a and Chlorophyll b".





- Deliverable 9.15 to be updated on an annual basis; M24, 36, 48



## Norwegian Marine Data Centre



ODYSSEA



WELCOME TO THEMOMO WEBSITE



## Integration of datasets from international programs and organizations

- One particular target of WP 9.6 is to reduce the gap between European operational data (EuroGOOS and CMEMS In-situ TAC) and the long term archives (SeaDataNet)
- For this purpose there is agreement and cooperation between EuroGOOS, CMEMS and SeaDataNet in EMODnet Physics, aiming at arranging that the operational data collected by the observing systems will flow more directly to the SeaDataNet data centres for QA-QC, storage and population in the CDI service
- .... and this will be monitored and stimulated where needed in the SeaDataCloud project

## Integration of internal European NRT datasets



## EMODnet Data Ingestion

# WAKE UP YOUR DATA

Set them free for Blue Society

The **Data Ingestion Portal** facilitates submitting marine datasets for further processing, Open Data publishing and contributing to applications for society.

[emodnet-ingestion.eu](http://emodnet-ingestion.eu)

