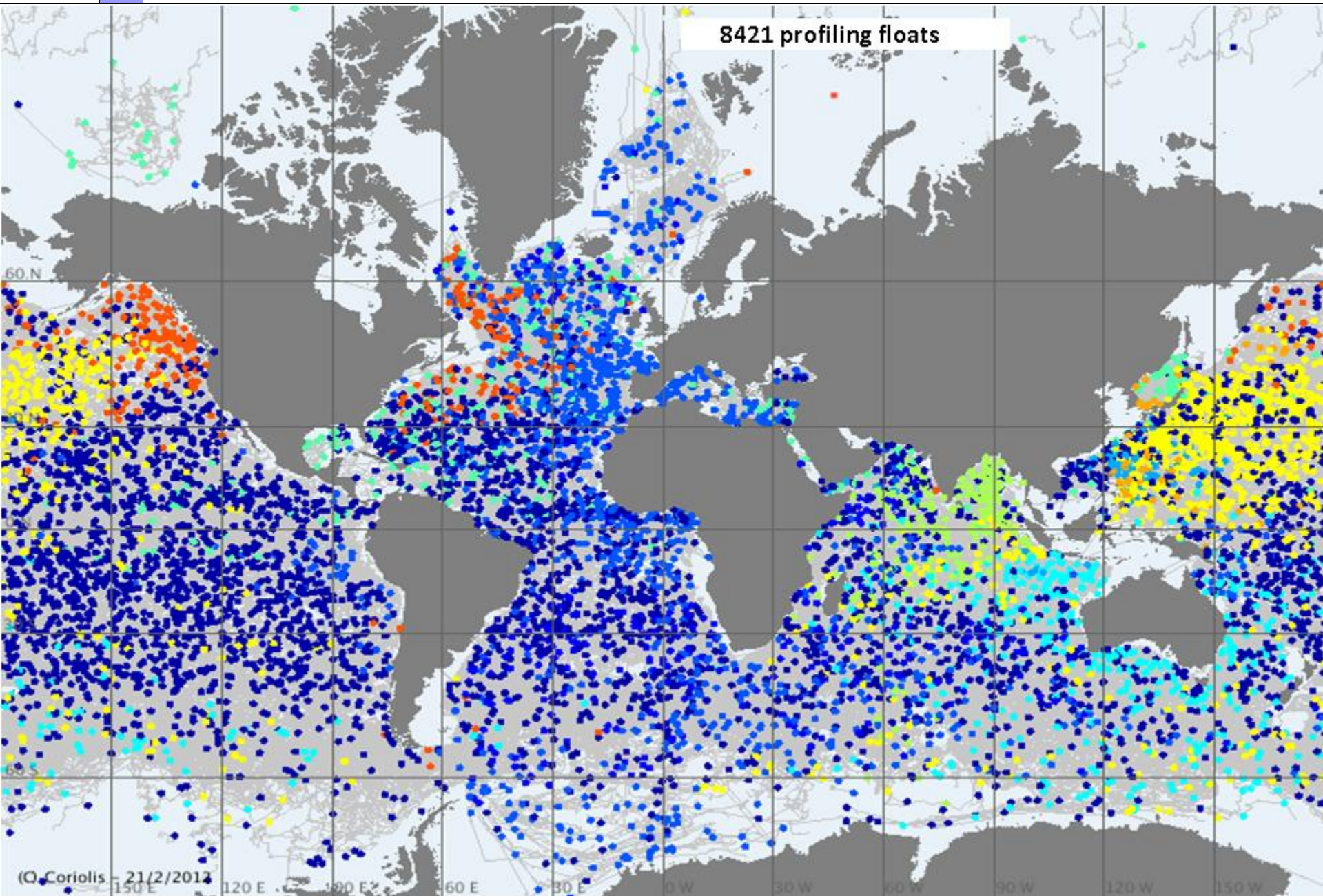


# Ocean Data Portal and Argo



# Connect one GDAC to IODE-ODP

- The Ocean Data Portal provides seamless access to collections and inventories of marine data from the NODCs (National Oceanographic Data Centres) of the IODE network.  
It allows for the discovery, evaluation (through visualization and metadata review) and access to data via web services.
- The system architecture uses Web-oriented information technologies to access non-homogeneous and geographically distributed marine data and information.
  - <http://www.oceandataportal.org/>
- Argo data has been registered on March 11, 2012, using ODP Light Data Provider (hosted in the IOC Project Office for IODE, Oostende, Belgium).



# Argo profiles detailed index

- [ftp://ftp.ifremer.fr/ifremer/argo/etc/argo\\_profile\\_detailed\\_index.txt.gz](ftp://ftp.ifremer.fr/ifremer/argo/etc/argo_profile_detailed_index.txt.gz)
  - Updated regularly
  - On 27/02/2012 : 902 947 data files described
  - For each file : name, date, position, float type, institution, date update, date creation, n\_ levels

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	# Title : Profile directory file of the Argo Global Data Assembly Center															
2	# Description : The directory file describes all individual profile files of the argo GDAC ftp site.															
3	# Project : ARGO															
4	# Format version : 2.1															
5	# Date of update : 20120321100236															
6	# FTP root number 1 : ftp://ftp.ifremer.fr/ifremer/argo/dac															
7	# FTP root number 2 : ftp://usgodae.usgodae.org/pub/outgoing/argo/dac															
8	# GDAC node : CORIOLIS															
9	file	date	latitude	longitude	ocean	profiler_t	institution	date_upd	profile	profi	profi	ad_ps	ad_ps	gdac_date	gdac_date	n_levels
10	aoml/1385	2E+13	0.267	-16.032	A	845	AO	2,01E+13	A					2,01E+13	2,01E+13	112
11	aoml/1385	2E+13	0.072	-17.659	A	845	AO	2,01E+13	A					2,01E+13	2,01E+13	112
12	aoml/1385	2E+13	0.543	-19.622	A	845	AO	2,01E+13	A					2,01E+13	2,01E+13	111
13	aoml/1385	2E+13	1.256	-20.521	A	845	AO	2,01E+13	A					2,01E+13	2,01E+13	109
14	aoml/1385	2E+13	0.72	-20.768	A	845	AO	2,01E+13	A					2,01E+13	2,01E+13	107
15	aoml/1385	2E+13	1.756	-21.566	A	845	AO	2,01E+13	A					2,01E+13	2,01E+13	106
16	aoml/1385	2E+13	2.595	-21.564	A	845	AO	2,01E+13	A					2,01E+13	2,01E+13	105
17	aoml/1385	2E+13	1.761	-21.587	A	845	AO	2,01E+13	A					2,01E+13	2,01E+13	105
18	aoml/1385	2E+13	1.804	-21.774	A	845	AO	2,01E+13	A					2,01E+13	2,01E+13	103





# Argo profiles detailed index

- ODP Data Provider, according to the data updates, downloads Argo FTP index, handles extraction and processing. The result is a NetCDF representation of the Argo index file (without fields not existing in the ODP Vocabulary dictionary like n\_levels) available from the ODP Portal (<http://data.oceandataportal.org> or <http://odp.oceandataportal.net/odp/> )
- Following actions can be used to find and access Argo data from the ODP Portal.
  1. Open ODP Portal page...





Ocean Data Portal project web site | Disclaimer | Main page | English | Russian | [New features!](#) | Date: **21 MARCH 2012, WEDNESDAY**

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**OCEAN DATA PORTAL**

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**METADATA & DATA/**

 **ADVANCED SEARCH**

**RESOURCES FOUND : 66** Page 1 of 3 | [all pages](#) | [page-by-page](#) | [ 1 2 3 ]

**HELP:** Select checkbox against metadata record and click 'Data access' button to query data

Sort by: [title](#) | [provider](#) | [storage type](#) | [access level](#)

<input type="checkbox"/>	1. <a href="#">GTSPP Data - Atlantic Ocean, January 2011</a> [BE_US-NODC_31]	
<input type="checkbox"/>	2. <a href="#">GTSPP Data - Atlantic Ocean, January 2010</a> [BE_US-NODC_30]	
<input type="checkbox"/>	3. <a href="#">GTSPP Data - Atlantic Ocean, November 2010</a> [BE_US-NODC_29]	
<input type="checkbox"/>	4. <a href="#">GTSPP Data - Atlantic Ocean, October 2010</a> [BE_US-NODC_28]	
<input type="checkbox"/>	5. <a href="#">GTSPP Data - Atlantic Ocean, September 2010</a> [BE_US-NODC_27]	
<input type="checkbox"/>	6. <a href="#">GTSPP Data - Atlantic Ocean, August 2010</a> [BE_US-NODC_26]	
<input type="checkbox"/>	7. <a href="#">GTSPP Data - Indian Ocean, December 2010</a> [BE_US-NODC_25]	
<input type="checkbox"/>	8. <a href="#">GTSPP Data - Indian Ocean, November 2010</a> [BE_US-NODC_24]	
<input type="checkbox"/>	9. <a href="#">GTSPP Data - Indian Ocean, October 2010</a> [BE_US-NODC_23]	

2. Type 'argo' in the text search field. Click 'Find button'



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argos Find X

ADVANCED SEARCH

RESOURCES FOUND : 2

HELP: Select checkbox against metadata record and click 'Data access' button to query data

Data access Sort by: title provider storage type access level

☐ 1. Atlantic Zone Monitoring Program (AZMP) data [BE\_ISDM\_02]

☐ 2. Argo profiles detailed index (GDAC) [BE\_IODEPO\_01]

Page 1 of 1 | all pages | page-by-page | [ 1 ] X

Top

- Click on 'Argo profiles detailed index (GDAC)' to see the metadata description.

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**ARGO PROFILES DETAILED INDEX (GDAC)**

Title	Argo profiles detailed index (GDAC)
Description	Argo is a global array of 3,000 free-drifting profiling floats that measure the temperature and salinity of the upper 2000 m of the ocean. This allows, for the first time, continuous monitoring of the temperature, salinity, and velocity of the upper ocean, with all data being relayed and made publicly available within hours after collection. <a href="http://www-argo.ucsd.edu/">http://www-argo.ucsd.edu/</a>
Additional information URL	<a href="http://ftp.ifremer.fr/ifremer/argo/etc/argo_profile_detailed_index.txt.gz">http://ftp.ifremer.fr/ifremer/argo/etc/argo_profile_detailed_index.txt.gz</a>
Keywords	Marine activity/Research of environment
JO	EE_IODEPO_01
Datasource storage type	Structured data file
Datasource name	IODEPO
Hierarchy level	1
Comment list	
Hierarchy id	Organization: Identifier

**Data structure hierarchy**

ftp://ftp.ifremer.fr/ifremer/argo/etc/argo\_profile\_detailed\_index.txt.gz

Minimum value	
Maximum value	
Unit of measure	Metres

4. Field 'Additional information URL' contains direct URL to the Argo profiles index stored on Argo FTP server.

To access the Argo data from the ODP Portal:

5. Check against the 'Argo profiles detailed index (GDAC)' row on the main page and click 'Data access' button.

Portal is sending query to the ODP Light Data Provider and gives a status about it (Request has been sent, Downloading data, etc.).

Due to the high volume of the Argo profiles index, it cannot be viewed using Portal services but is downloaded as ZIP-file.





# OceanTeacher

A Training Resource for Data & Information Management Related to Oceanography & Marine Meteorology



Welcome to the **OceanTeacher OpenCourseWare** site.

OceanTeacher is a comprehensive web-based training system that supports **Classroom training (face-to-face)**, **Blended training (combining classroom and distance learning)**, **online tutoring and online self-learning**.

OceanTeacher has been developed as a training system for ocean data managers (working in ocean data centres), marine information managers (marine librarians) as well as for marine researchers who wish to acquire knowledge on data and/or information management. In addition OceanTeacher is being used for training in other related disciplines.

OceanTeacher has two main components: the **OceanTeacher Digital Library** (a collection of knowledge and resources) and the **OceanTeacher OpenCourseWare** - the site you are visiting now - (a collection of course outlines and courseware).

When the Digital Library and OpenCourseWare are used together for a training event this is called an **OceanTeacher Classroom**. The collection of all training instances constitutes the **OceanTeacher Academy**.









Dates 2012	Course Title (venue) - click on hyperlink to see details on accepted applicants and lecturers/ click on icon to see the course outline	Open for applications
19-23 March	<a href="#">OceanTeacher Academy Course DM: <b>Marine GIS</b> Applications using ArcGIS (Ostend, Belgium)</a> 	closed
9-20 April	<a href="#">Introduction to Ocean Data Management for Students of the Environment (Parts 1 &amp; 2) - Algarve University, Faro, Portugal [Accredited Course]</a>	Attendance is limited to current participants in the Erasmus Mundus Course
23 April-3 May	<a href="#">University Curriculum in Marine Data Management (2012) - Ghent University, Ghent, Belgium [Accredited Course]</a>	Attendance is limited to current participants in the Erasmus Mundus Course
21-25 May	<a href="#">Preservation of Books and Other Media (Ostend, Belgium)</a>	<b>1 February - 1 March 2012</b>
10-14 September	<a href="#">Operational Oceanography: Synoptic View of the Sea (Ostend, Belgium)</a>	<b>8 February - 23 March</b>
17-21 September	<a href="#">Grant Writing (for digitisation projects) (Ostend, Belgium)</a>	<b>5 March - 13</b>
5-9 November	<a href="#">Marine and Coastal Atlas Development (Ostend, Belgium)</a>	
19-24 November	<a href="#">Development and Management of e-Repositories (Belgium)</a>	

6

## In-Situ Data from Drifters, Floats and Buoys

- **These exercises do not involve IDV, but have been included here for your information. Although these particular NetCDF files are not yet compatible with IDV, it is hoped that modifications (i.e. CF compliance) can be made to bridge this gap.**

-  **Obtaining NetCDF Operational Marine Data (Argo Profilers/GTSP /SOOP) from Coriolis**
-  **Importing NetCDF Operational Marine Data (Argo Profilers/GTSP /SOOP) into ODV**