

*Geo-Seas international workshop
October 9-10, 2012
Cork, Ireland*



SeaDataNet

**PAN-EUROPEAN INFRASTRUCTURE
FOR OCEAN & MARINE DATA
MANAGEMENT**

***SeaDataNet pan-European infrastructure for ocean and
marine data management***

Michèle FICHAUT – IFREMER (France) – SeaDataNet project coordinator

Summary

- Brief history
- SeaDataNet – SeaDataNet 2
- Overview of what is available in SeaDataNet
- From data discovery to data analysis
- Other projects relying on SeaDataNet infrastructure



EU-FP5

EU-FP6

EU-FP7



2002-2005

Sea-Search

2006-2011

SeaDataNet

2011-2015

SeaDataNet II

SeaDataNet has set up and operates a pan-European infrastructure for managing marine and ocean data by connecting National Oceanographic Data Centres (NODCs) and oceanographic data focal points from 35 countries bordering European seas

SeaDataNet principles

- SeaDataNet is **based on a semi-distributed system** that incorporates and enhances the existing NODC network.
- Major technical development activity enables the **data centres to interact as a virtual data centre, able to deliver integrated data, meta-data and products of controlled quality through a unique portal**

Main accomplishments

- Development of common standards :
Vocabularies, Transport formats
- European catalogues with standardised XML ISO-19115 descriptions
- One unique portal to access all data : virtual data centre
- Set of tools to be implemented in each data centre
 - MIKADO: generator of XML descriptions of SeaDataNet catalogues
 - NEMO: reformatting software to SeaDataNet formats
 - Download Manager: downloading software
 - ODV: Ocean data view adapted to SeaDataNet needs
 - DIVA: for product generation adapted to SeaDataNet needs

SeaDataNet 2 overall objective

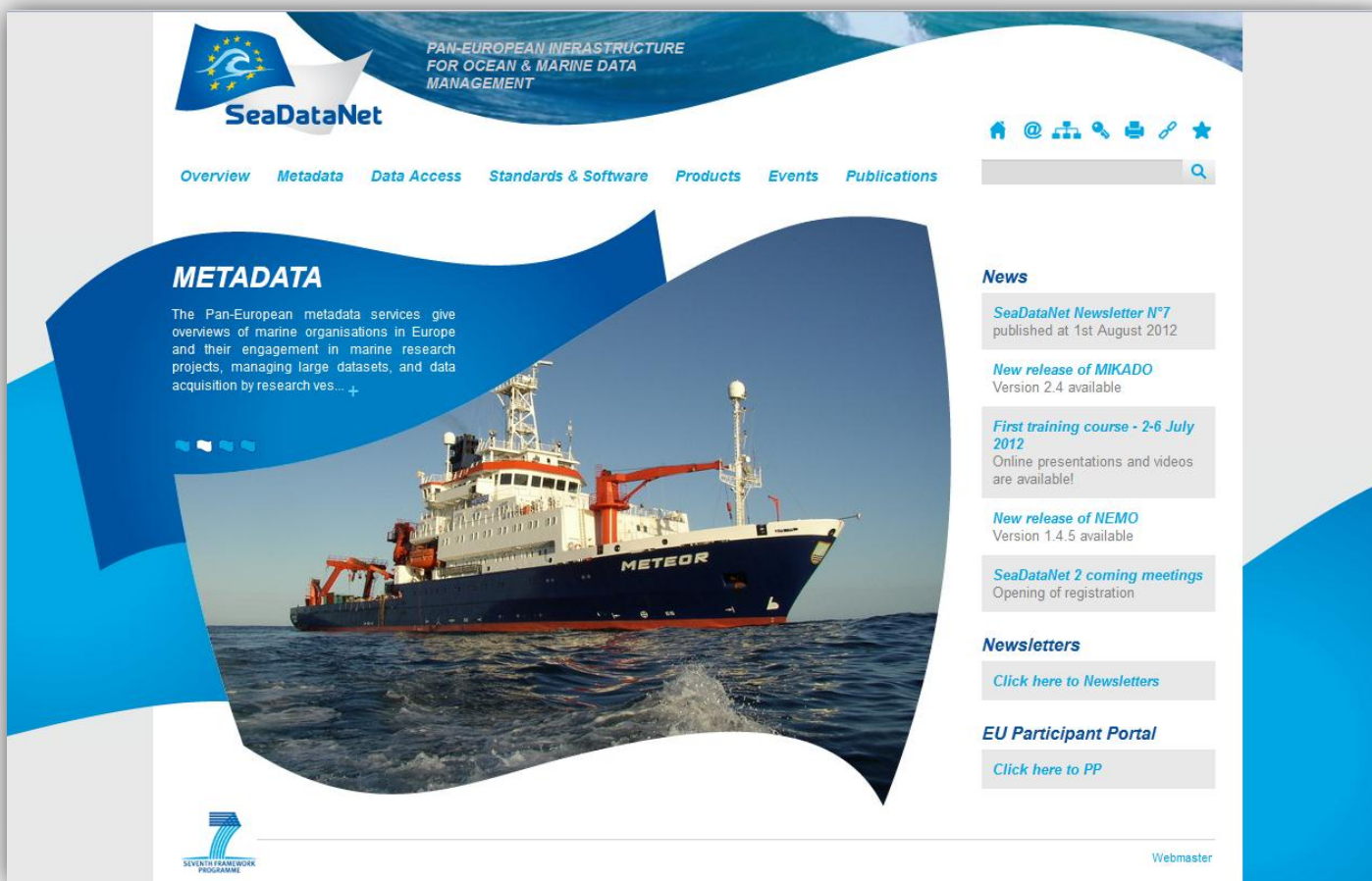
to **upgrade the present SeaDataNet infrastructure into an operationally robust and state-of-the-art** Pan-European infrastructure for providing up-to-date and high quality access to ocean and marine metadata, data and data products

SeaDataNet - SeaDataNet 2, what's new?

- **Operational** update of the SeaDataNet catalogues (CDI, EDMED, EDMERP, EDIOS, CSR) using OGC CSW (Catalogue Service for the Web)
- INSPIRE directive compliance : **ISO-19139** standard for XML description of the CSR and the CDI catalogues
- **Machine to machine interface** for data and product distribution to regular end-users (operational oceanography)
- **Duplicate management, Data preview** before downloading
- Improve capability for handling also **marine biological data** in close cooperation with EurOBIS, MarBEF, and LifeWatch initiatives
- Products: aggregated data sets at full basin scale and climatologies **using the datasets made available via the SeaDataNet infrastructure**
- Be more user oriented and implement a **user-panel**
- **Development of true synergies with other projects** Eurofleets, Jerico, MyOcean

SeaDataNet portal : <http://www.seadatanet.org>

- with harmonised services, products and tools



The screenshot shows the SeaDataNet portal homepage. At the top, there is a header with the SeaDataNet logo and the text 'PAN-EUROPEAN INFRASTRUCTURE FOR OCEAN & MARINE DATA MANAGEMENT'. Below the header is a navigation menu with links: Overview, Metadata, Data Access, Standards & Software, Products, Events, and Publications. A search bar is located on the right side of the navigation menu. The main content area features a large image of the research vessel 'METEOR' on the water. To the left of the image, there is a section titled 'METADATA' with a description: 'The Pan-European metadata services give overviews of marine organisations in Europe and their engagement in marine research projects, managing large datasets, and data acquisition by research ves...+'. To the right of the image, there is a 'News' section with several items: 'SeaDataNet Newsletter N°7 published at 1st August 2012', 'New release of MIKADO Version 2.4 available', 'First training course - 2-6 July 2012 Online presentations and videos are available!', 'New release of NEMO Version 1.4.5 available', and 'SeaDataNet 2 coming meetings Opening of registration'. Below the 'News' section is a 'Newsletters' section with a link 'Click here to Newsletters'. At the bottom of the page, there is a 'EU Participant Portal' section with a link 'Click here to PP'. The footer includes the 'SEVENTH FRAMEWORK PROGRAMME' logo and the text 'Webmaster'.

6 European catalogues maintained by NODCs

SeaDataNet portal provides an overview of the Marine organisations in Europe and their involvement in scientific cruises, data collection, marine projects

- **EDMO** : European Directory of Marine Organisations (2 200)
- **CSR** : Cruise Summary Reports (41 000)
- **EDMED** : European Directory of Marine Environmental Datasets (4 000)
- **EDMERP** : European Directory of Marine Environmental Research projects (2 600)
- **EDIOS** : European Directory of Ocean Observing Systems (350)
- **CDI** : Common Data Index (around 1 100 000)



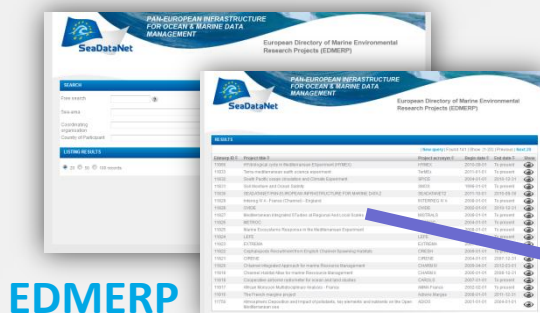
PAN-EUROPEAN INFRASTRUCTURE FOR OCEAN & MARINE DATA MANAGEMENT

Geo-Seas, Cork, October 9-10, 2012

SeaDataNet

All SeaDataNet catalogues have been harmonised and tuned in format, syntax and semantics (common vocabularies).

They have a common editor (MIKADO) and online CMS and online query interfaces



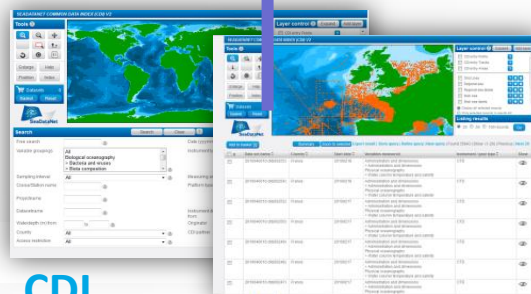
EDMERP



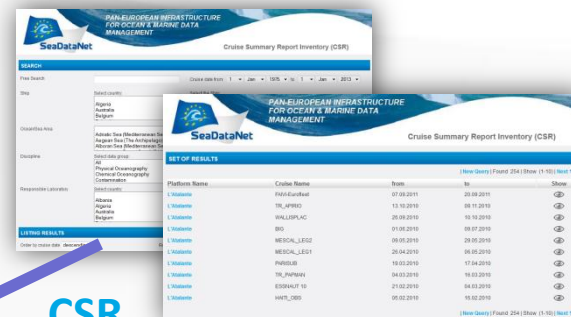
EDIOS



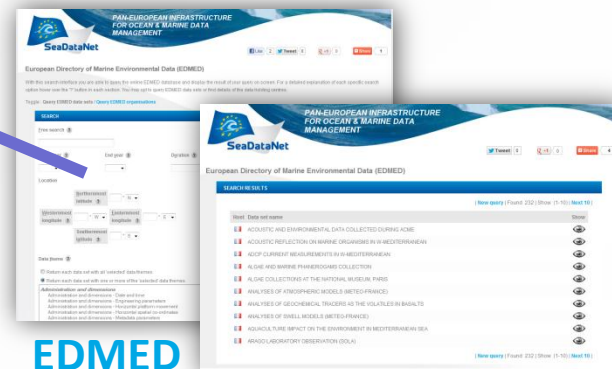
EDMO



CDI



CSR



EDMED

SeaDataNet data policy

- Access to all metadata: No restrictions, open access
- Access to data:
 - General case is **open access** (82% of the data), but some data are restricted, or only delivered for Academic users or could be delivered after negotiation....
 - But **registration is necessary** (login/ password and acceptance of SeaDataNet License)
 - Each user get a SeaDataNet role: Combination of access + role determines the access for a particulate user



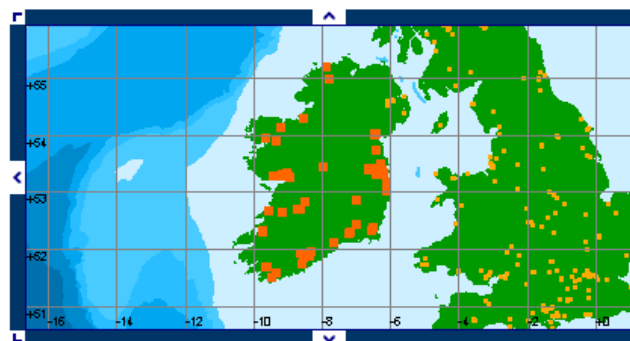
SeaDataNet

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Geo-Seas, Cork, October 9-10, 2012



SEARCH IN EDMO



Search on Name:
A B C D E F G H I J K L M
N O P Q R S T U V W X Y Z Other

OR
Free search

Country
Ireland

Existing organisations only ☒

SEARCH CLEAR

Name	Country	CDI V2	Edmed	Edmerp	Edios	CSR	Simorr	Pogo	Eurofleets
South West Regional Authority	Ireland								
Spectral Signatures Ltd	Ireland								
StockerYale (IRL) Ltd	Ireland								
Sustainable Energy Authority of Ireland – SEA	Ireland								
Teagasc Food Research Centre	Ireland								
Techworks Marine Ltd.	Ireland								
Trinity College Dublin	Ireland								
University College Cork	Ireland								
University College Cork Coastal and Marine Research Centre	Ireland								
University College Dublin	Ireland								

FOUND 127 | SHOW (111-120) | [PREVIOUS 10](#) | [NEXT 7](#)

METADATA
EDMO
catalogue:
list of marine
organisations
in Ireland

METADATA *CSR catalogue:* *list of Cruise Summary Reports for the UCC/CMRS*

SeaDataNet Directory of Cruise Summary Report (CSR) - Mozilla Firefox

seadata.bsh.de/Cgi-csr/retrieve_sdn2/search_edmo.pl?edmo=1848









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Cruise Summary Report Inventory (CSR)

Set of Results: "UNIVERSITY COLLEGE CORK COASTAL AND MARINE RESEARCH CENTRE"

Found 8 | Show (1-8) |

Platform Name	Cruise Name	from	to	Show
Celtic Voyager	CV11001	03.03.2011	04.03.2011	
Celtic Voyager	CV0905	03.03.2009	04.03.2009	
Celtic Voyager	CV0630	16.07.2006	05.08.2006	
Celtic Voyager	CV0518	01.09.2005	14.09.2005	
Celtic Voyager	CV0525	29.06.2005	05.07.2005	
Celtic Voyager	CV0326	29.09.2003	04.10.2003	
Celtic Voyager	CV0214	30.05.2002	14.06.2002	
Celtic Voyager	CV0114	12.06.2001	21.06.2001	

Found 8 | Show (1-8) |

Cruise Summary Report

SeaDataNet Directory of Cruise Summary Report (CSR) - Mozilla Firefox

seadata.bsh.de/Cgi-csr/retrieve_sdn2/csrreport.pl?project=EDMO&edmo=1848&session=3370&v1=10&v2=2



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Cruise Summary Report Inventory (CSR)

| XML V0 | XML V1 | print |

| Results | Found 8 | Show 2 | Previous | Next |

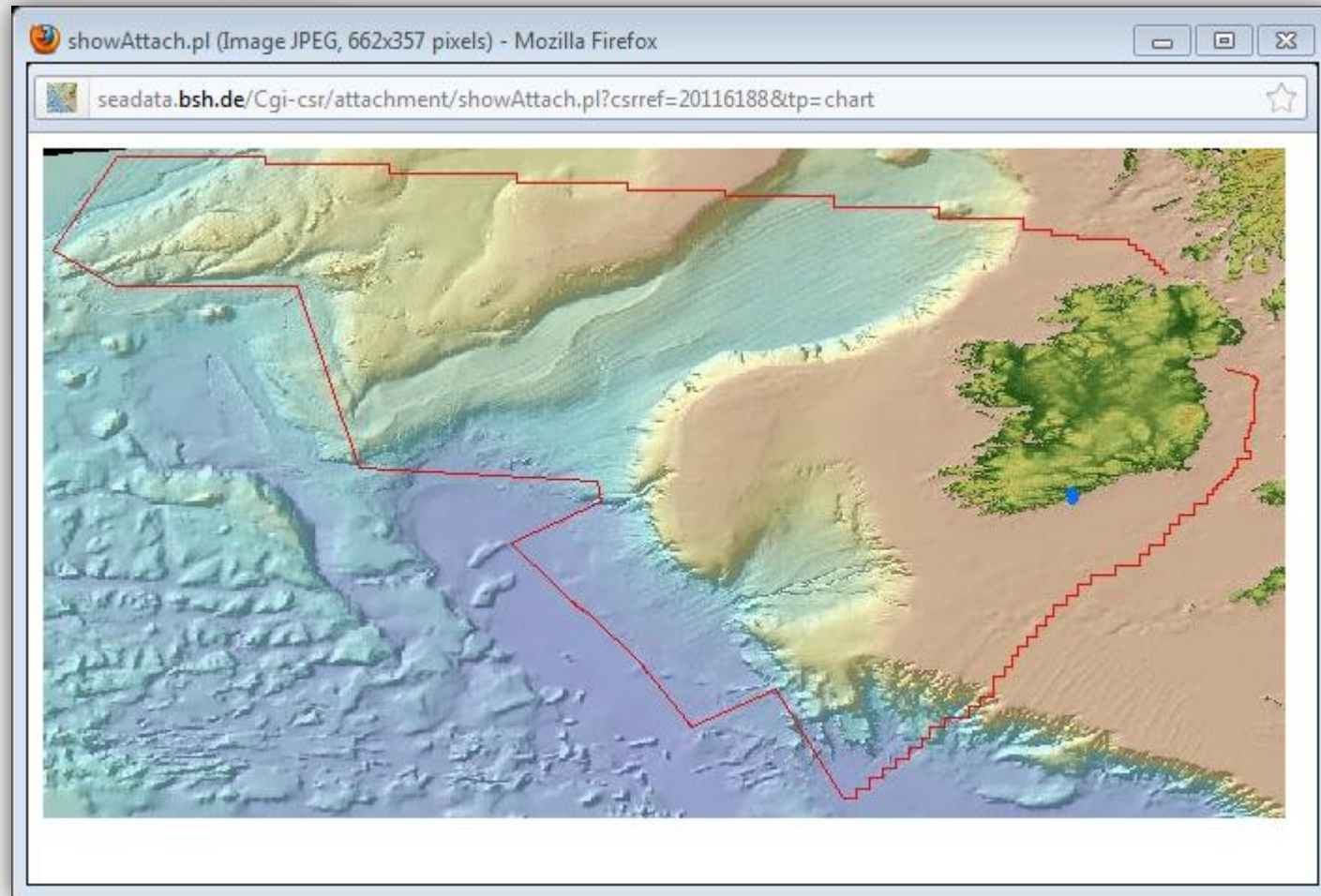
Details of Celtic Voyager Cruise CV0905 (BSH Ref-No.: 20116188)

GENERAL INFORMATION				
Platform/Ship	Celtic Voyager			
Cruise begin	03.03.2009			
Cruise end	04.03.2009			
Port of Departure	Cork, Ireland			
Port of Return	Cork, Ireland			
Chief Scientist(s)	MAX KOZACHENKO - University College Cork Coastal and Marine Research Centre			
Responsible Laboratory	University College Cork Coastal and Marine Research Centre			
LOCATION				
General Ocean Areas	Celtic Sea			
Marsden Squares(S, N, E, W)	181 (50.0, 60.0, -10.0, 0.0)			
Bounding Box(es)	WEST	EAST	SOUTH	NORTH
	-8.5	-8.1	51.5	51.9
Specific Geographic Areas	Cork Harbour.			
Link to Track Charts	» Trackchart			
PROJECT				
Project Title / Coordinating Body				
OBJECTIVES				
Description	UCC Student Training research cruise.			
ADDITIONAL INFORMATION				
Parameters measured	Temperature of the water column			
Instruments used	water temperature sensor			
Linkage / Report / Station list				
PRINCIPAL INVESTIGATORS				

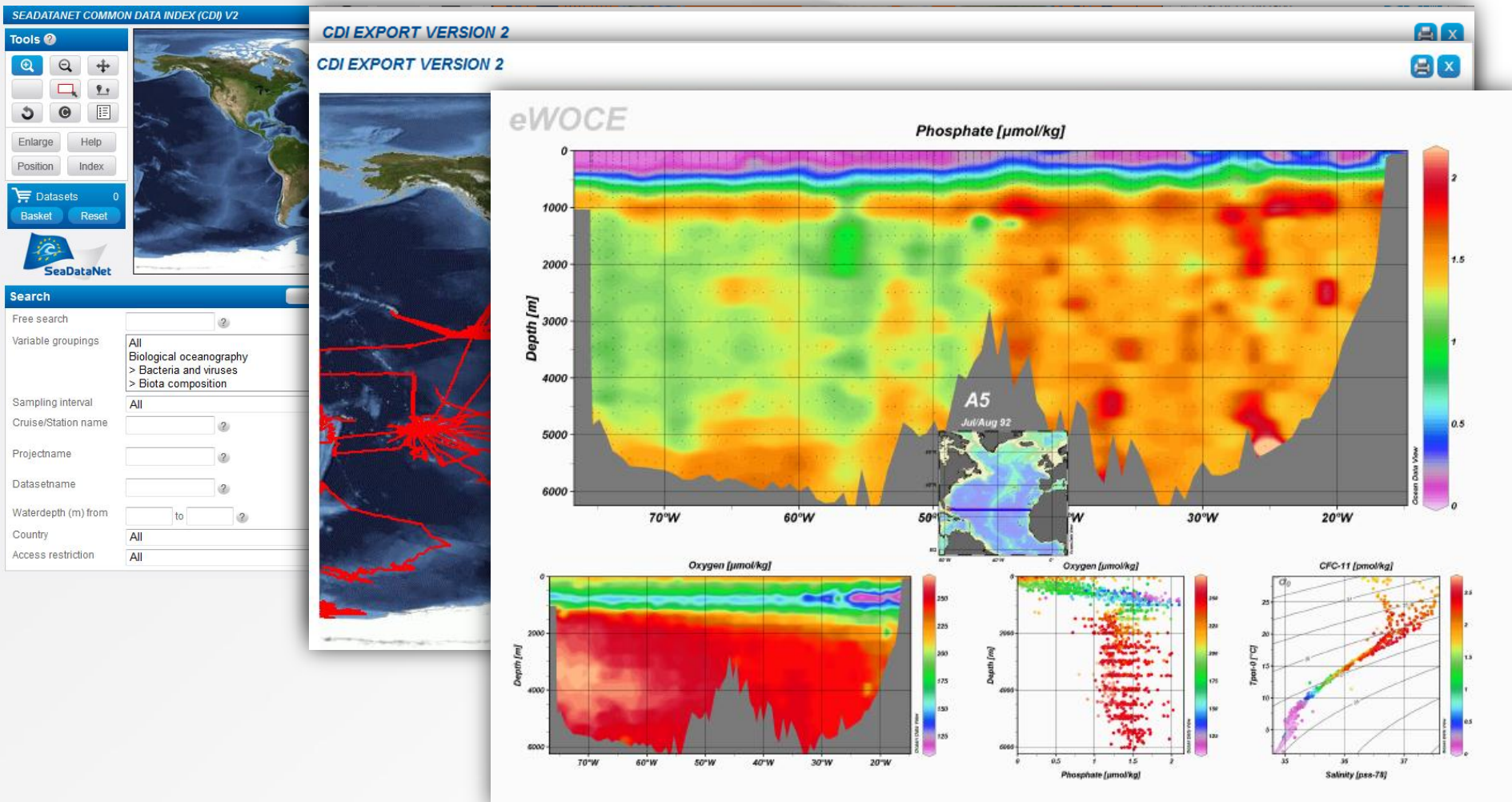
Summary of measurements and samples taken

| Results | Found 8 | Show 2 | Previous | Next |

Cruise Summary Report



DATA: From data discovery to unified access and analysis



DATA: From data discovery to unified access and analysis

- Four steps
 1. Data discovery
 2. Shopping
 3. Downloading
 4. Viewing

Access to data (CDI) : step 1 data discovery



SeaDataNet

PAN-EUROPEAN INFRASTRUCTURE FOR OCEAN & MARINE DATA MANAGEMENT

Overview Metadata **Data Access** Standards & Software Products Events Publications Education

SeaDataNet2 > Data Access

DATA ACCESS SERVICES

Direct access to data

The SeaDataNet infrastructure links 40 national oceanographic data centres and marine data centres from 35 countries riparian to all European seas. The data centres manage large sets of marine and ocean data, originating from their own institutes and from other parties in their country, in a variety of data management systems and configurations. A major objective and challenge in SeaDataNet is to provide an integrated and harmonised overview and access to these data resources, using a distributed network approach.

This is achieved by developing and implementing the **Common Data Index service**, that gives users a highly detailed insight in the availability and geographical spreading of marine data across the different data centres across Europe. The CDI provides an ISO19115 based index (metadatabase) to individual data sets (such as samples, timeseries, profiles, trajectories, etc) and it provides a unique interface to online data access.

- [Common Data Index \(CDI\)](#)
- [How to contribute?](#)


Last modified : Monday 31 October 2011

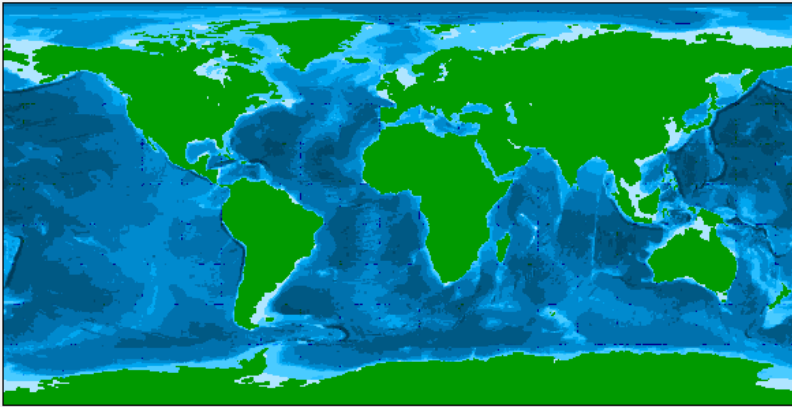
Access to data (CDI) : step 1 data discovery

SEADATANET COMMON DATA INDEX (CDI) V2

Tools ?

0





Layer control ?

- ☐ CDI entry Points ?
- ☐ CDI entry Tracks ?
- ☐ CDI entry Areas ?
- ☐ Grid Lines ?
- ☐ Regional sea ?
- ☐ Regional sea labels ?
- ☐ Main sea ?
- ☐ Main sea labels ?
- ☒ Bathymetry ?
- ☐ Blue Marble ?

Lat/long ?

Upper-left ? Lower-right ?

Search ?

Free search

Variable groupings

Sampling interval

Cruise/Station name

Projectname

Datasetname

Waterdepth (m) from to

Country

Access restriction

Date (yyyymmdd) from to

Instrument type

Measuring area type

Platform type

Instrument depth (m) from to

Originator

CDI partner

Access to data (CDI) : step 1 data discovery

SEADATANET COMMON DATA INDEX (CDI) V2

Tools ?

Enlarge Help
Position Index

Datasets 0
Basket Reset

Layer control ? Expand Add layer

- ☐ CDI entry Points ?
- ☐ CDI entry Tracks ?
- ☐ CDI entry Areas ?
- ☐ Grid Lines ?
- ☐ Regional sea ?
- ☐ Regional sea labels ?
- ☐ Main sea ?
- ☐ Main sea labels ?

☒ Display all selected records
☐ Only selected records in results list

Listing results

☒ 20 ☐ 50 ☐ 100 records **Go**

Add to basket **Summary** **Zoom to selected** **Export result** **Store query** **Refine query** **New query** | Found 4633 | Show (1-20) | Previous | Next 20

#	Data set name	Country	Start date	Variables measured	Instrument / gear type	Show
<input type="checkbox"/>	Skerries Tide Gauge Sea Temperature	Ireland	20110303	Administration and dimensions > Administration and dimensions Physical oceanography > Water column temperature and salinity	water body temperature sensor	
<input type="checkbox"/>	Galway Port Tide Gauge Air Pressure	Ireland	20110202	Administration and dimensions > Administration and dimensions Atmosphere > Meteorology	continuous air samplers	
<input type="checkbox"/>	Castletownbere Tide Gauge Air Pressure	Ireland	20100814	Administration and dimensions > Administration and dimensions Atmosphere > Meteorology	continuous air samplers	
<input type="checkbox"/>	Ballycotton Tide Gauge Sea Temperature	Ireland	20101007	Administration and dimensions > Administration and dimensions Physical oceanography > Water column temperature and salinity	water body temperature sensor	
<input type="checkbox"/>	Galway Bay Wave Rider 33	Ireland	20080501	Administration and dimensions > Administration and dimensions Physical oceanography > Waves	wave recorders	

Access to data (CDI) : step 1 data discovery

SUMMARY

Per CDI Partner					+	-
Per Originator					+	-
Per Category					+	-
Per Variable					+	-
Per Instrument/Type					+	-
Per Instrument/Type	Datasets	Duration in hours	Duration in days	Duration in years		
CTD	4554	76	3	0,01		
wave recorders	16	567.168	23.632	64,75		
atmospheric radiometers	14	609.855	25.411	69,62		
water temperature sensor	13	301.114	12.546	34,37		
water body temperature sensor	12	390.705	16.279	44,60		
continuous air samplers	9	337.948	14.081	38,58		
meteorological packages	8	191.025	7.959	21,81		
anemometers	7	340.431	14.185	38,86		
Per Year					+	-
Per Data Access Restriction					+	-
Per Data Access Restriction					Datasets	
SeaDataNet licence					4612	
licence					21	




DATA: From data discovery to unified access and analysis




- Four steps
 - Data discovery
 - Shopping
 - Downloading
 - Viewing




Access to data (CDI) : step 2 shopping

SEADATANET COMMON DATA INDEX (CDI) V2

Tools ?

















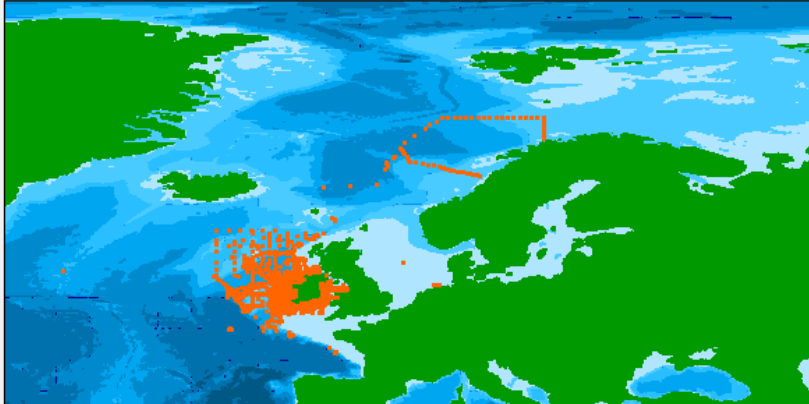
Enlarge Help

Position Index

 Datasets 20

 Basket
  Reset






Layer control ? Expand Add layer

☐ CDI entry Points ?
☐ CDI entry Tracks ?
☐ CDI entry Areas ?





☐ Grid Lines ?
☐ Regional sea ?
☐ Regional sea labels ?
☐ Main sea ?
☐ Main sea labels ?

☒ Display all selected records
☐ Only selected records in results list

Listing results

☒ 20
 ☐ 50
 ☐ 100 records
 

[Add to basket](#)
[Summary](#)
[Zoom to selected](#)
[Export result](#)
[Store query](#)
[Refine query](#)
[New query](#)
 Found 4554 | Show (1-20) | Previous | [Next 20](#)

<input checked="" type="checkbox"/> #	Data set name ⇅	Country ⇅	Start date ⇅	Variables measured	Instrument / gear type ⇅	Show
<input checked="" type="checkbox"/>	Marine Institute CTD	Ireland	20060116	Administration and dimensions > Administration and dimensions Physical oceanography > Water column temperature and salinity > Other physical oceanographic measurements	CTD	
<input checked="" type="checkbox"/>	Marine Institute CTD	Ireland	20060116	Administration and dimensions > Administration and dimensions Physical oceanography > Water column temperature and salinity > Other physical oceanographic measurements	CTD	
<input checked="" type="checkbox"/>	Marine Institute CTD	Ireland	20060116	Administration and dimensions > Administration and dimensions Physical oceanography > Water column temperature and salinity > Other physical oceanographic measurements	CTD	
<input checked="" type="checkbox"/>	Marine Institute CTD	Ireland	20060116	Administration and dimensions > Administration and dimensions Physical oceanography > Water column temperature and salinity > Other physical oceanographic measurements	CTD	

Access to data (CDI) : step 2 shopping

SHOPPING BASKET



PAN-EUROPEAN INFRASTRUCTURE
FOR OCEAN & MARINE DATA
MANAGEMENT

REQUESTING DATASETS

During this session you have selected the following data sets. You can shop for more or continue the ordering dialogue by submitting to finalize your order request and have it processed. When submitting you will have to log-in with your user registration details or register then first. Thereafter you can finalise your order request by deselect items, indicating which format type you require and whether you also want to include related publications (if available).

IMPORTANT NOTICE

Downloading of data sets is only possible for registered users.

Access to datasets might be restricted. In that case your request will be handled by the contact person of the SeadatanetNet Data Centre managing the specific datasets.

You will be able to follow the progress of all your requests via your personal account in the Request Status Manager, using your user id - password.

[Search for more](#)

[Cancel](#)

[Submit request list](#)

If you would like to continue searching (to add more to your request list) click **Search for more**.

If you would like to cancel your requests (to empty your request list) click **Cancel**.


If you are satisfied with your request list then click on **Submit order**.

The number of data-requests per shopping session has a maximum of 500 datasets.

CDI-record id	Dataset Name	Status
1224056	Marine Institute CTD	SeaDataNet licence
1224057	Marine Institute CTD	SeaDataNet licence
1224058	Marine Institute CTD	SeaDataNet licence
1224059	Marine Institute CTD	SeaDataNet licence





Access to data (CDI) : step 2 shopping

SHOPPING BASKET



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FOR OCEAN & MARINE DATA
MANAGEMENT

Operated in cooperation with



Enter your NetID and Password

For security reasons, please Log Out and Exit your web browser when you are done accessing services that require authentication!

NetID:

Password:

☐ Warn me before logging me into other sites.

[I want to register](#) - [I forgot my password](#) - [I want to check/change my personal information](#)

Access to data (CDI) : step 2 shopping

SHOPPING BASKET

Contact email

Address

Zipcode

City

Country

Telephone

Role IDs

Role names

micromet.1.renault@univ-brest.fr

Technopole Brest Iroise, BP70

29280

Plouzané

France

+33(0)2 98 22 46 43

SDNR01;SDNR03;SDNR07

Administrator;Academic;partner

Please motivate why you want to have access to these data sets and for what purpose.

Text 480

Downloading for DEMO

Submit request list

Reset

Cancel request

Switch all formats to: Ocean Data View ASCII input (ODV)

Switch

CDI-record id	Dataset name	Data access restriction	Data format
<input checked="" type="checkbox"/> 1224056	Marine Institute CTD	SeaDataNet licence	Ocean Data View ASCII input (ODV)

Access to data (CDI) : step 2 shopping

SHOPPING BASKET



FOR OCEAN & MARINE DATA
MANAGEMENT

CONFIRMATION OF YOUR REQUEST LIST

Organisation	IFREMER
Contact name	Dr Michele FICHAUT
Contact email	Michele.Fichaut@ifremer.fr
Address	Technopole Brest Iroise, BP70
Zipcode	29280
City	Plouzané
Country	France
Telephone	+33(0)2 98 22 46 43
Role IDs	SDNR01;SDNR03;SDNR07
Role names	Administrator;Academic;partner

Your order with **order number 5560** has been submitted.

This is a confirmation of your request list.

The status per request line indicate the conditions of data access per datasets as set by the dataset provider. Combined with your registered role as user of SeaDataNet this will determine whether you will get direct access, whether access will be denied to you, or whether you will have to await further consideration of your request by the dataset provider.

Note that your request might concern several dataset providers.


[Check progress and download approved data sets from your personal order register.](#)

DATA: From data discovery to unified access and analysis

- Four steps
 - Data discovery
 - Shopping
 - Downloading
 - Viewing

Access to data (CDI) : step 3 downloading

Request Status Manager Logout Help Home

 PAN-EUROPEAN INFRASTRUCTURE
FOR OCEAN & MARINE DATA
MANAGEMENT

Overview of your data set requests and processing per Data Centre

| FOUND 10 | CURRENT | PREVIOUS | NEXT

Data centre ▾	Country ▾	Status of dataset requests				
		Approval pending ▾	Ready for downloading ▾	Downloaded ▾	Access denied ▾	All ▾
<u>Management Unit of the North Sea and Scheldt estuary Mathematical Models, Belgian Marine Data Centre</u>	Belgium			504		504
<u>Marine Hydrophysical Institute</u>	Ukraine			20	200	220
<u>All-Russia Research Institute of Hydrometeorological Information - World Data Centre (RIHMI-WDC) National Oceanographic Data Centre (NODC)</u>	Russian Federation			1		1
<u>NIOZ Royal Netherlands Institute for Sea Research</u>	Netherlands			701		701
<u>IFREMER / IDM/SISMER</u>	France		8	3620	34	3662
<u>Marine Institute</u>	Ireland	20		11		31
<u>IEO/Spanish Oceanographic Institute</u>	Spain			99		99
<u>ENEA Centro Ricerche Ambiente Marino - La Spezia</u>	Italy			100		100
<u>German Oceanographic Datacentre (NODC)</u>	Germany			77		77
<u>British Oceanographic Data Centre</u>	United Kingdom			53	3	56


Access to data (CDI) : step 3 downloading

Request Status Manager

Logout

Help

Home



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FOR OCEAN & MARINE DATA
MANAGEMENT

SeaDataNet

Overview of your data set requests and processing per Data Centre


| FOUND 10 | CURRENT | PREVIOUS | NEXT

Status of dataset requests

Data centre ▾	Country ▾	Approval pending ▾	Ready for downloading ▾	Downloaded ▾	Access denied ▾	All ▾
Management Unit of the North Sea and Scheldt estuary Mathematical Models, Belgian Marine Data Centre	Belgium			504		504
Marine Hydrophysical Institute	Ukraine			20	200	220
All-Russia Research Institute of Hydrometeorological Information - World Data Centre (RIHMI-WDC) National Oceanographic Data Centre (NODC)	Russian Federation			1		1
NIOZ Royal Netherlands Institute for Sea Research	Netherlands			701		701
IFREMER / IDM/SISMER	France		8	3620	34	3662
Marine Institute	Ireland		20	11		31
IEO/Spanish Oceanographic Institute	Spain			99		99
ENEA Centro Ricerche Ambiente Marino - La Spezia	Italy			100		100
German Oceanographic Datacentre (NODC)	Germany			77		77
British Oceanographic Data Centre	United Kingdom			53	3	56

Access to data (CDI) : step 3 downloading

Request Status Manager
Logout
Help
Home



PAN-EUROPEAN INFRASTRUCTURE
FOR OCEAN & MARINE DATA
MANAGEMENT

Overview of your data set requests and processing per Data Centre

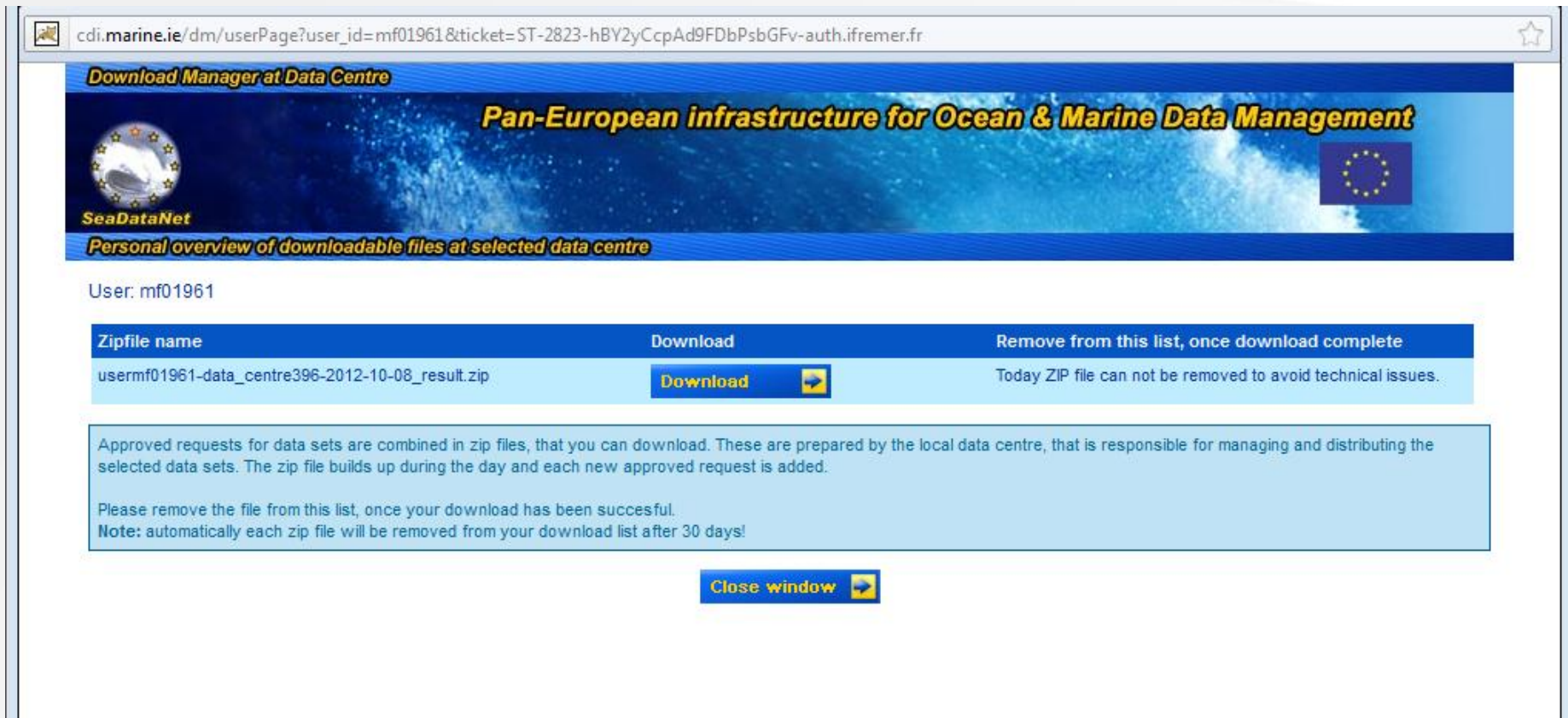
Download selected datasets in zip file
25 50 100 1000 RECORDS
Go
FOUND 20 | CURRENT | PREVIOUS | NEXT

Marine Institute


Status: Ready for downloading

Dataset CDI-ID	Dataset name	Request-ID	Request-key	Request date	Last update	Format
1224075	Marine Institute CTD	864977	5560	2012-10-08	2012-10-08	ODV
1224074	Marine Institute CTD	864976	5560	2012-10-08	2012-10-08	ODV
1224073	Marine Institute CTD	864975	5560	2012-10-08	2012-10-08	ODV
1224072	Marine Institute CTD	864974	5560	2012-10-08	2012-10-08	ODV
1224071	Marine Institute CTD	864973	5560	2012-10-08	2012-10-08	ODV
1224070	Marine Institute CTD	864972	5560	2012-10-08	2012-10-08	ODV
1224069	Marine Institute CTD	864971	5560	2012-10-08	2012-10-08	ODV
1224068	Marine Institute CTD	864970	5560	2012-10-08	2012-10-08	ODV
1224067	Marine Institute CTD	864969	5560	2012-10-08	2012-10-08	ODV
1224066	Marine Institute CTD	864968	5560	2012-10-08	2012-10-08	ODV
1224065	Marine Institute CTD	864967	5560	2012-10-08	2012-10-08	ODV
1224064	Marine Institute CTD	864966	5560	2012-10-08	2012-10-08	ODV

Access to data (CDI) : step 3 downloading




The screenshot shows a web browser window with the URL `cdi.marine.ie/dm/userPage?user_id=mf01961&ticket=ST-2823-hBY2yCcpAd9FDbPsbGFv-auth.ifremer.fr`. The page title is "Download Manager at Data Centre". The header features the SeaDataNet logo and the text "Pan-European infrastructure for Ocean & Marine Data Management" with the European Union flag. Below the header, it says "Personal overview of downloadable files at selected data centre". The user is identified as "User: mf01961".

Zipfile name	Download	Remove from this list, once download complete
usermf01961-data_centre396-2012-10-08_result.zip	Download 	Today ZIP file can not be removed to avoid technical issues.

Approved requests for data sets are combined in zip files, that you can download. These are prepared by the local data centre, that is responsible for managing and distributing the selected data sets. The zip file builds up during the day and each new approved request is added.

Please remove the file from this list, once your download has been succesful.

Note: automatically each zip file will be removed from your download list after 30 days!

[Close window](#) 

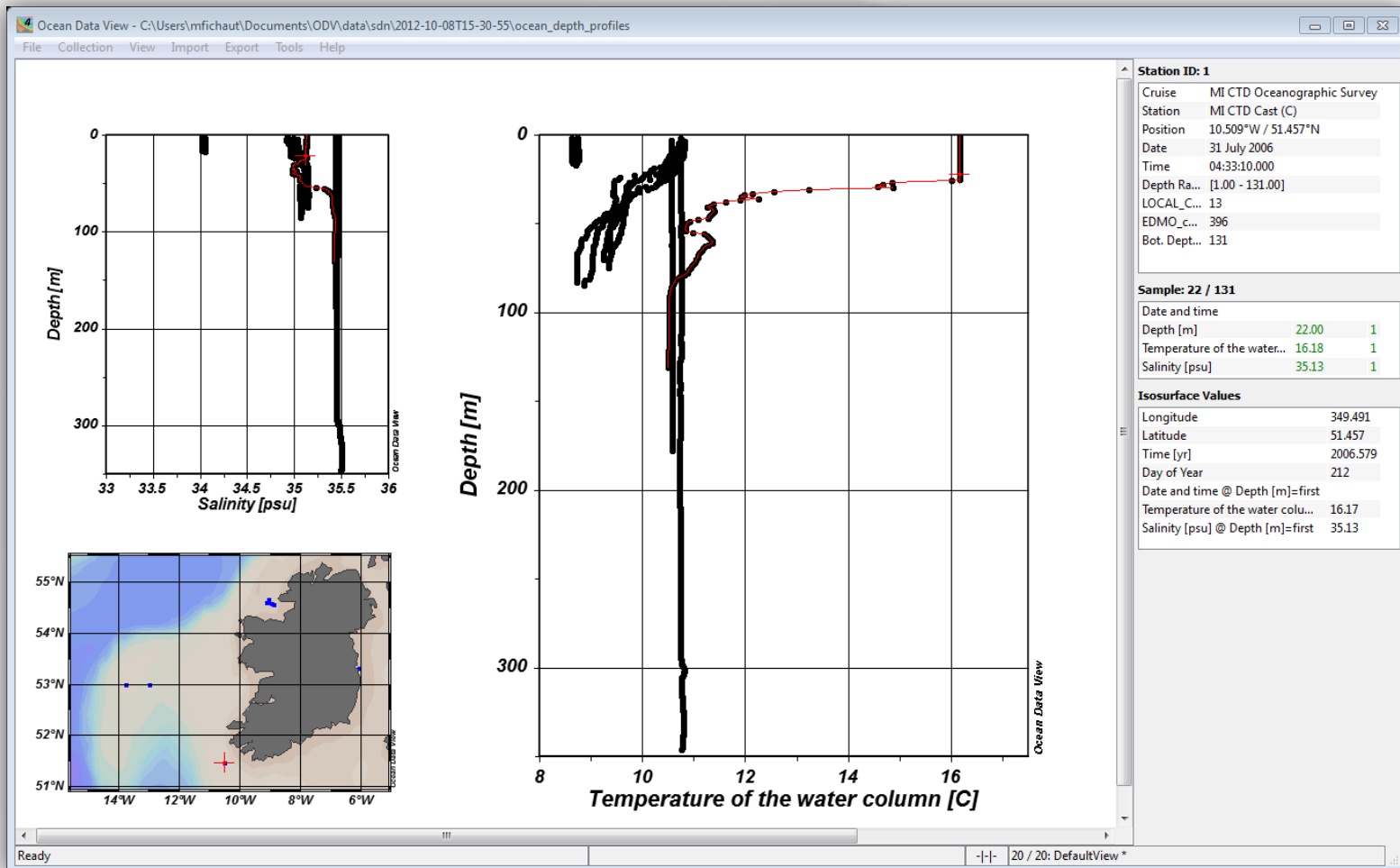
DATA: From data discovery to unified access and analysis

- Four steps
 - Data discovery
 - Shopping
 - Downloading
 - Viewing

Access to data (CDI) : step 4 viewing (ODV, DIVA)



Access to data (CDI) : step 4 viewing (ODV, DIVA)



Access to data (CDI) : step 4 viewing (ODV, DIVA)

Upload

Grid

Analysis

Statistics

Download analysis

Link or embed

Report a problem

Help

Upload observation

Text file

ODV4

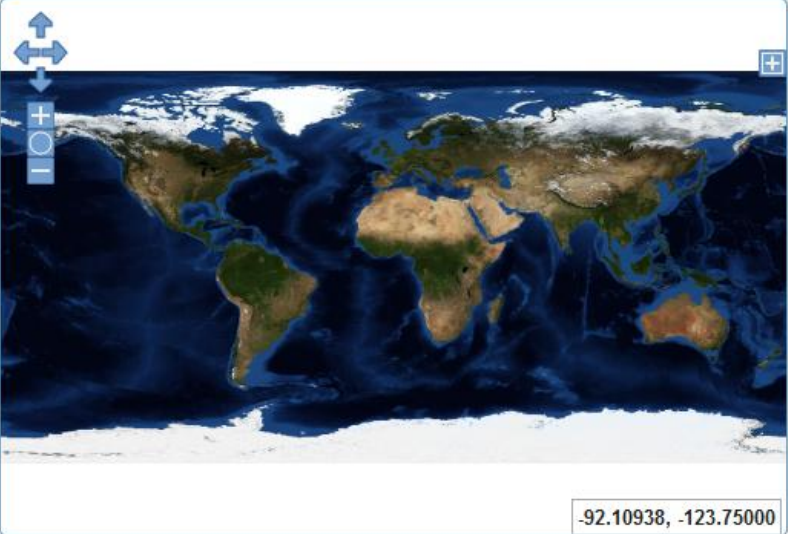
OSV4 File:

Name of variable:



Depth (m):

Time range:

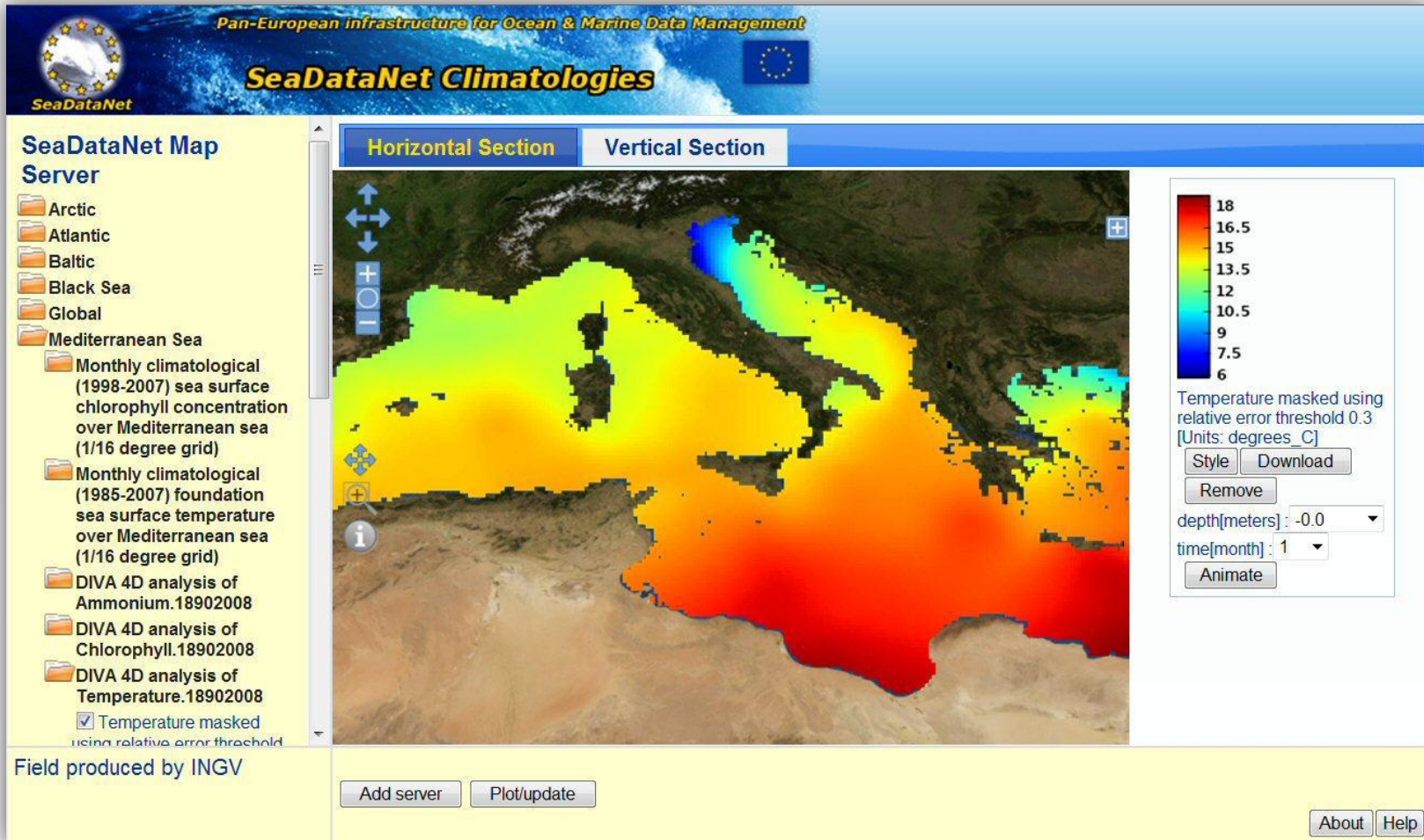
(YYYY-MM-DD)



-92.10938, -123.75000



Access to data (CDI) : step 4 viewing (ODV, DIVA)



SeaDataNet standards and tools in other EU projects (1)



- **Up-Grade Black Sea SCENE project (2009-2011)**

involving 6 NODCs and many other data holding institutes from the 6 Black Sea countries, to provide metadata and data access and to strengthen their national NODC networks. EU-funding 3.4 MEuro.



- **CASPINFO project, (2009 – 2011)**

involving 12 institutes and private industry from the Caspian Sea region, to provide metadata and data access and to build their capacity for data management and user services. EU-funding 0.8 MEuro.



- **Geo-Seas project, (2009-2012)**

involving 24 geological and geophysical data centres from 16 European countries (EuroGeoSurveys), to provide metadata and data access. EU-funding 4.9 MEuro.



- **MyOcean 2 project (2012-2014)**

MoU between SeaDataNet 2 and MyOcean for the distribution of SeaDataNet aggregated product to MyOcean, for the elaboration of a common product

SeaDataNet standards and tools in other EU projects (1)

- **EuroFleets project, (2009-2012)**



involving 24 research institutes and data centres from 17 European countries, to optimise the management of research vessels and to streamline the flow of data from the research cruises to the data centre infrastructure. EU-funding 7.2 MEuro.

- **JERICO project, (2011-2015)**



involving 27 institutes from 17 European countries, to develop better coordination between the coastal observatories responsible for physical and bio-chemistry parameters as well as to develop improved procedures for streamlining the flow of data from the monitoring stations to the data centre infrastructure. EU-funding 6.5 MEuro.

- **EMODNET projects**



chemistry, hydrography, physics lots. SeaDataNet has qualified itself as leading infrastructure for the EMODNet data management component and is leading several preparatory EMODNet projects

IMDIS: International conference on Marine Data and Information Systems

- Organised in the frame of SeaDataNet
- In Lucca, Italy, 23-25 September 2013
- 4 topics
 - Marine information and data management
 - Marine environmental data bases: infrastructures and data access systems
 - Data services in ocean science
 - Services for users and education

<http://imdis2013.seadatanet.org>

IMDIS 2013

International Conference on Marine Data and Information Systems - Lucca (Italy), September 23-25, 2013

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International Conference on Marine Data and Information Systems
San Romano, Lucca (Italy)
23 - 25 September 2013

TOPICS

1. Marine information and data management
 - Exchange, processing and interactive work with marine data sets from highly heterogeneous sources
 - Federation and integration
 - Network services and technologies
2. Marine environmental data bases, infrastructures and data access systems
 - Coastal and deep-sea operational oceanography metadatabases systems
 - Physical and bio-chemical databases for climate studies
 - Geophysical and geological metadatabases systems
3. Data Services in ocean science
 - Standards and quality-assurance issues
 - Services and Visualization tools
 - User oriented services
4. Services for Users and Education
 - Historical evolution in data collection and management
 - Tools for dissemination
 - Test bed development for educational

Published on the 06/06/2012
Poster of the IMDIS 2013 conference

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Published on the 22/05/2012
First announcement of the IMDIS 2013 conference

Lucca (Italy) September 23 - 25, 2013

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Zoom

Lucca, Italy



Practical information



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Thank you for your attention

Any questions?