

*Conference BILAT-UKR
January 31st – February 1st, 2012
Kiev Ukraine*



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



PAN-EUROPEAN INFRASTRUCTURE
FOR OCEAN & MARINE DATA
MANAGEMENT

BILAT-UKR, Kiev, Jan 31 – Feb 1, 2012



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

- with harmonised services, products and tools



The screenshot shows the SeaDataNet portal homepage. At the top, there is a navigation menu with links for Overview, Metadata, Data Access, Standards & Software, Products, Events, and Publications. A search bar is located on the right side of the header. The main content area features a large image of the research vessel METEOR. To the left of the image, there is a section titled 'METADATA' with a brief description of the metadata services. On the right side, there is a 'News' section with several articles, including 'New release of NEMO', 'User manual', 'Seadatanet at GEO Exhibition', 'SeaDataNet article', and 'SeaDataNet Project of the month'. Below the news section, there are links for 'Newsletters' and 'EU Participant Portal'. The footer of the page includes the logo for the Seventh Framework Programme.

SeaDataNet

PAN-EUROPEAN INFRASTRUCTURE
FOR OCEAN & MARINE DATA
MANAGEMENT

Overview Metadata Data Access Standards & Software Products Events Publications

Home @ RSS Search Print Link Star

Search

METADATA

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... +

News

New release of NEMO
Version 1.4.3 available

User manual
for metadata directories

Seadatanet at GEO Exhibition
in November 2011, Istanbul, Turkey

SeaDataNet article
in International Innovation magazine of December 2011

SeaDataNet
Project of the month

Newsletters

[Click here to Newsletters](#)

EU Participant Portal

[Click here to PP](#)

SEVENTH FRAMEWORK PROGRAMME

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 (32 000)
- **EDMED** : European Directory of Marine Environmental Datasets (4 000)
- **EDMERP** : European Directory of Marine Environmental Research projects (2 500)
- **EDIOS** : European Directory of Ocean Observing Systems (300)
- **CDI** : Common Data Index (> 1 000 000)



PAN-EUROPEAN INFRASTRUCTURE FOR OCEAN & MARINE DATA MANAGEMENT

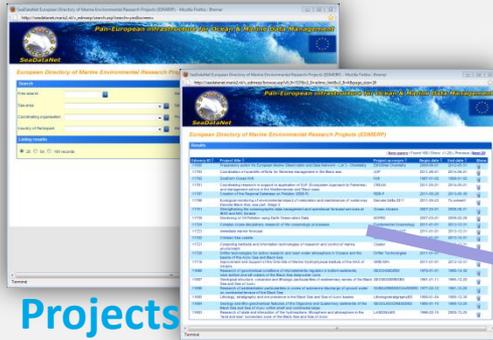
BILAT-UKR, Kiev, Jan 31 – Feb 1, 2012

SeaDataNet

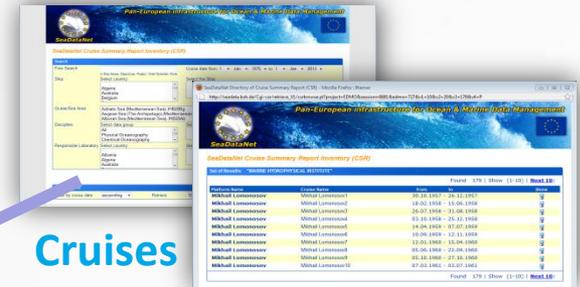
All SeaDataNet catalogues have been harmonised and tuned in format, syntax and semantics (common vocabularies).

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

Organisations EDMO



Projects
EDMERP



Cruises
CSR



Observing systems
EDIOS

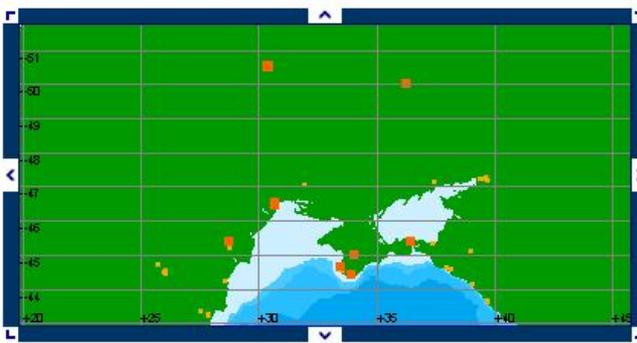


Datasets
EDMED

Data - CDI

Pan-European infrastructure for Ocean & Marine Data Management

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
 Ukraine

Existing organisations only

SEARCH CLEAR

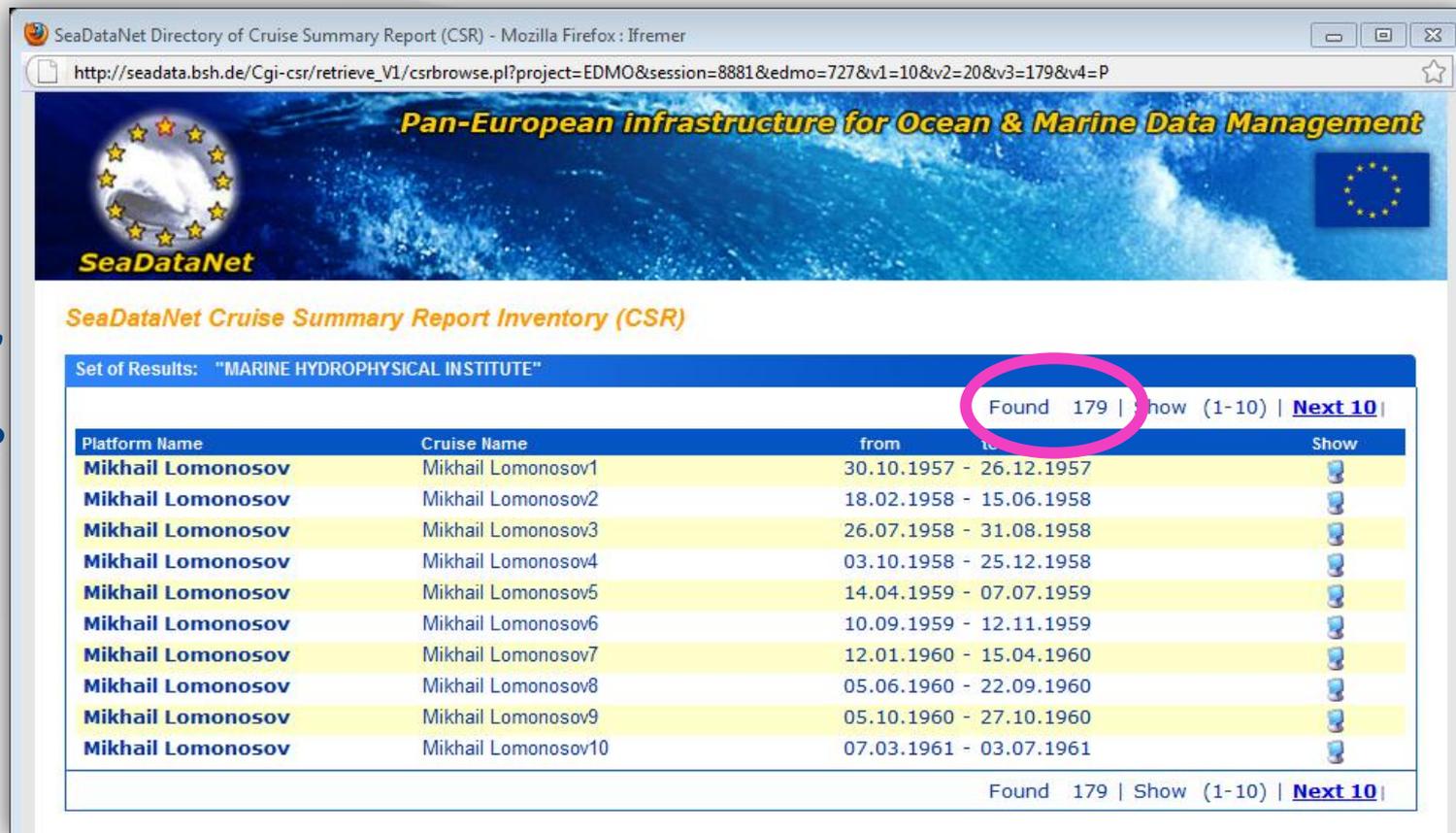
FOUND 22 | SHOW (11-20) | PREVIOUS 10 | NEXT 2

Name	Country	Edios	Simorc	Pogo	Eurofleets
Marine Hydrophysical Institute	Ukraine				
National Academy of Sciences of Ukraine, Department of Marine Geology and Sedimentary Ore-Formation	Ukraine				
Oceanological centre of the National Academy of Sciences of Ukraine	Ukraine				
Odessa branch of IBSS (Institute of Biology of Southern Seas)	Ukraine				
Odessa Center YuoNIRO	Ukraine				
Odessa National I.I.Mechnikov University	Ukraine				
Odessa State Environmental University	Ukraine				
Scientific Research Institute of Ecological Problems (USRIEP)	Ukraine				
Southern Scientific Research Institute of Marine Fisheries and Oceanography	Ukraine				
Taurida V.I. Vernadsky National University	Ukraine				

| FOUND 22 | SHOW (11-20) | PREVIOUS 10 | NEXT 2

**EDMO
catalogue:
list of marine
organisations
in Ukraine**

**CSR
catalogue:
list of Cruise
Summary
Reports for
the MHI**



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

http://seadata.bsh.de/Cgi-csr/retrieve_V1/csrbrowse.pl?project=EDMO&session=8881&edmo=727&v1=10&v2=20&v3=179&v4=P

Pan-European infrastructure for Ocean & Marine Data Management

SeaDataNet

SeaDataNet Cruise Summary Report Inventory (CSR)

Set of Results: "MARINE HYDROPHYSICAL INSTITUTE"

Found 179 | Show (1-10) | **Next 10**

Platform Name	Cruise Name	from	to	Show
Mikhail Lomonosov	Mikhail Lomonosov1	30.10.1957	26.12.1957	
Mikhail Lomonosov	Mikhail Lomonosov2	18.02.1958	15.06.1958	
Mikhail Lomonosov	Mikhail Lomonosov3	26.07.1958	31.08.1958	
Mikhail Lomonosov	Mikhail Lomonosov4	03.10.1958	25.12.1958	
Mikhail Lomonosov	Mikhail Lomonosov5	14.04.1959	07.07.1959	
Mikhail Lomonosov	Mikhail Lomonosov6	10.09.1959	12.11.1959	
Mikhail Lomonosov	Mikhail Lomonosov7	12.01.1960	15.04.1960	
Mikhail Lomonosov	Mikhail Lomonosov8	05.06.1960	22.09.1960	
Mikhail Lomonosov	Mikhail Lomonosov9	05.10.1960	27.10.1960	
Mikhail Lomonosov	Mikhail Lomonosov10	07.03.1961	03.07.1961	

Found 179 | Show (1-10) | **Next 10**

Cruise Summary Report

SeaDataNet Directory of Cruise Summary Report (CSR) - Mozilla Firefox: Ifremer
http://seadata.bsh.de/Cgi-csr/retrieve_V1/csrreport.pl?project=EDMO&session=56139&edmo=727&v1=10&v2=3

SeaDataNet Cruise Summary Report Inventory (CSR)

[XML V0](#) | [XML V1](#) | [print](#) | [Results](#) | Found 179 | Show 3 | [Previous](#) | [Next](#)

Details of Mikhail Lomonosov Cruise Mikhail Lomonosov3 (BSH Ref-No.: 20106130)

GENERAL INFORMATION

Platform/Ship: Mikhail Lomonosov
 Cruise begin: 26.07.1958
 Cruise end: 31.08.1958
 Port of Departure: Sevastopol, Ukraine
 Port of Return: Sevastopol, Ukraine
 Chief Scientist(s): ZALESOV V.I. - [Marine Hydrophysical Institute](#)
 Responsible Laboratory: [Marine Hydrophysical Institute](#)

LOCATION

General Ocean Areas: Atlantic Ocean
 Marsden Squares(S, N, E, W): 182 (50.0, 60.0, -20.0, -10.0)
 183 (50.0, 60.0, -30.0, -20.0)
 Bounding Box(es): WEST EAST SOUTH NORTH
 27 42 41 48
 Specific Geographic Areas
 Link to Track Charts

PROJECT

Project Title /
 Coordinating Body

OBJECTIVES

Description: Hydrology and hydrochemistry survey

ADDITIONAL INFORMATION

Parameters measured
 Instruments used
 Linkage / Report / Station list

PRINCIPAL INVESTIGATORS

A: FOMIN L.M. - [Marine Hydrophysical Institute](#)
 B: VIKHRENKO N.M. - [Marine Hydrophysical Institute](#)
 D: KOSHENKO A.M. - [Marine Hydrophysical Institute](#)
 C: SINYUKOV V.V. - [Marine Hydrophysical Institute](#)

Summary of measurements and samples taken

Chemical Oceanography

Pl	Number	Type	Unit	Type of measurement	Description
C	1763	H21	stations	Oxygen	
C	1470	H22	stations	Phosphate	
C	1473	H24	stations	Nitrate	
C	1471	H25	stations	Nitrite	
C	1471	H27	stations	Alkalinity	
C	1762	H28	stations	pH	
C	1539	H90	stations	Other chemical oceanographic measurements	

Contamination

Pl	Number	Type	Unit	Type of measurement	Description
C	558	P01	observations	Suspended matter	

Geology & Geophysics

Pl	Number	Type	Unit	Type of measurement	Description
B	11	G02	samples	Grab	

Meteorology

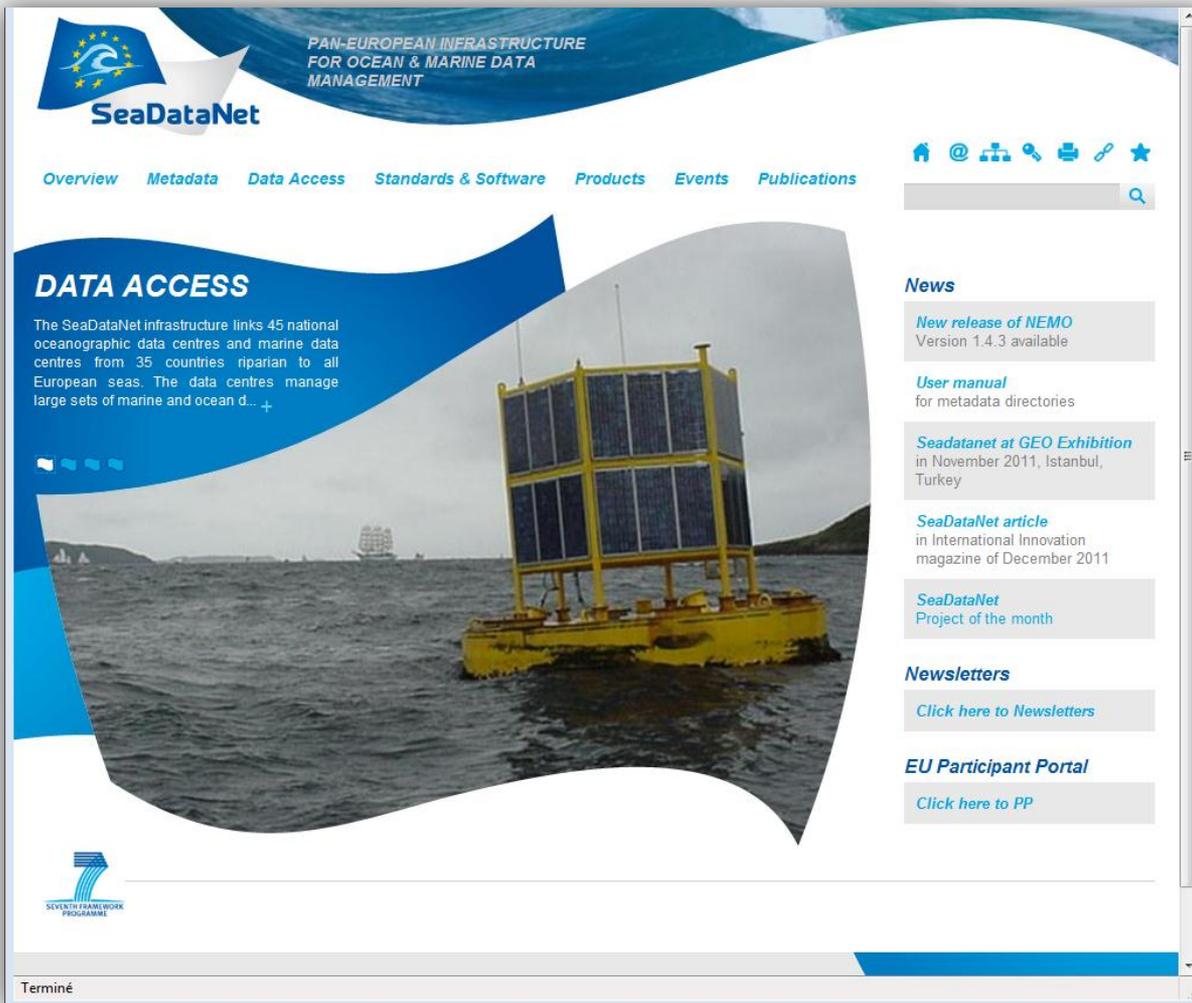
Pl	Number	Type	Unit	Type of measurement	Description
D	223	M06	stations	Routine standard measurements	

Physical Oceanography

Pl	Number	Type	Unit	Type of measurement	Description
A	19	D90	observations	Other physical oceanographic measurements	Sea and swell (visual)
A	224	H09	profiles	Water bottle stations	
A	27	H11	observations	Subsurface temperature and salinity measurements	
A	395	H13	stations	Bathythermograph	

Terminé

Access to data (CDI) : step 1 data discovery



DATA ACCESS

The SeaDataNet infrastructure links 45 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 d... +

News

- [New release of NEMO](#)
Version 1.4.3 available
- [User manual](#)
for metadata directories
- [Seadatanet at GEO Exhibition](#)
in November 2011, Istanbul, Turkey
- [SeaDataNet article](#)
in International Innovation magazine of December 2011
- [SeaDataNet](#)
Project of the month

Newsletters

[Click here to Newsletters](#)

EU Participant Portal

[Click here to PP](#)

Terminé

Access to data (CDI) : step 1 data discovery



Overview

DATA AC

The SeaDataNet infrastructure provides access to oceanographic data centres from 35 European seas. The large sets of marine data are available through the SeaDataNet Common Data Index (CDI).



SeaDataNet Common Data Index (CDI) V2

Tools

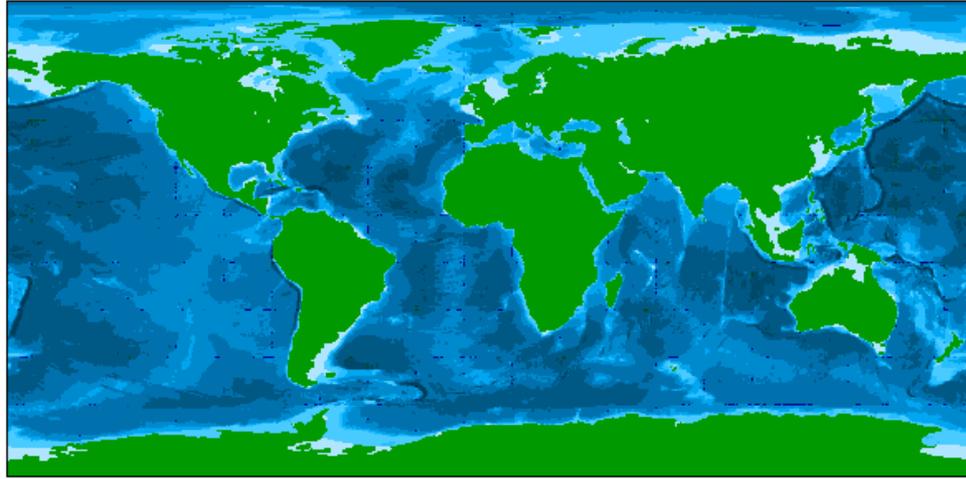


Enlarge **Help**

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 ?
- Bathymetry ?
- Blue Marble ?

Lat/long

Upper-left ? Lower-right ?

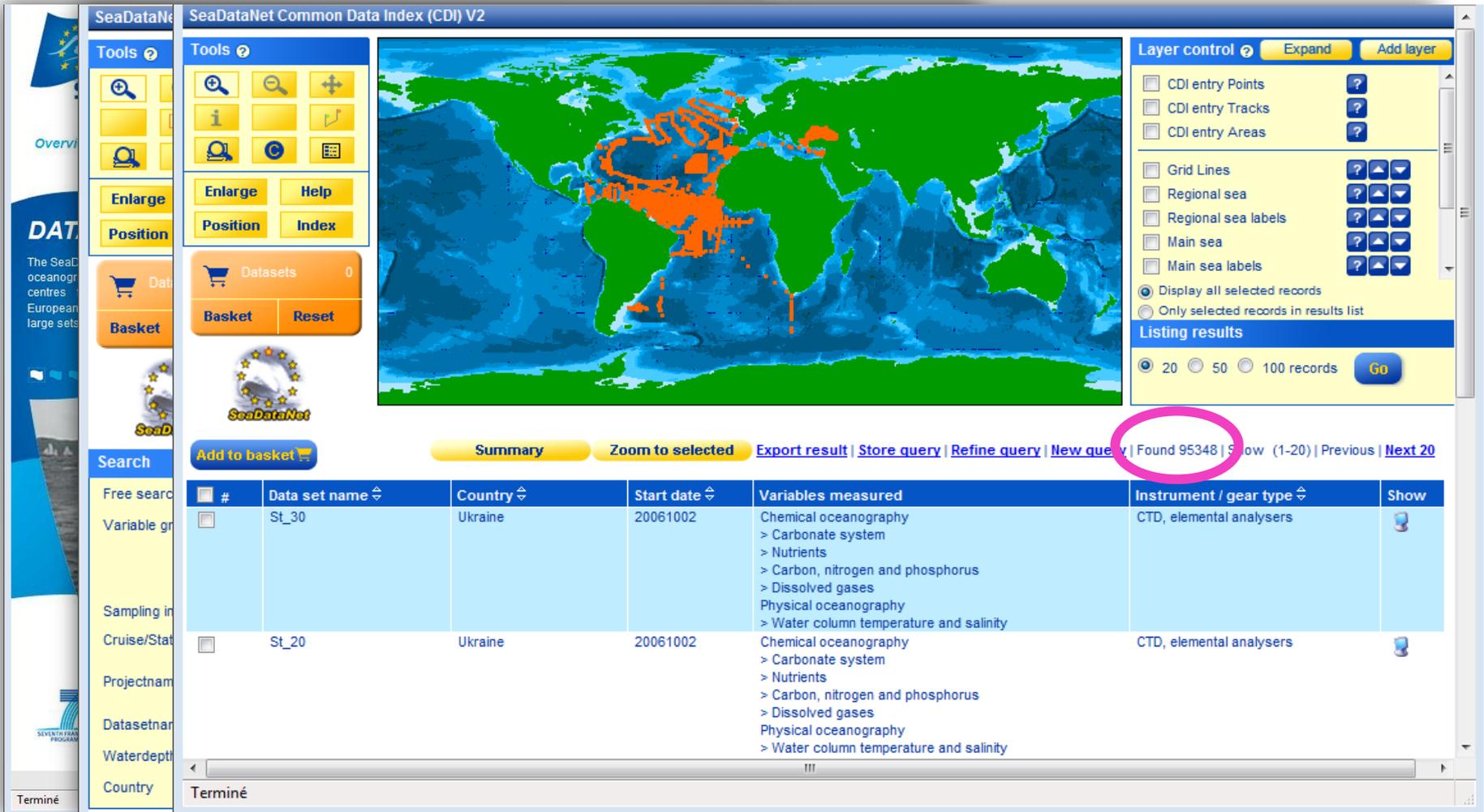
Search **Search** **Clear** ?

<p>Free search <input type="text"/></p> <p>Variable groupings: All, Biological oceanography, > Bacteria and viruses, > Biota composition</p> <p>Sampling interval: All</p> <p>Cruise/Station name <input type="text"/></p> <p>Projectname <input type="text"/></p> <p>Datasetname <input type="text"/></p> <p>Waterdepth (m) from <input type="text"/> to <input type="text"/></p> <p>Country: All</p>	<p>Date (yyyymmdd) from <input type="text"/> to <input type="text"/></p> <p>Instrument type: All, >2000 Hz top-bandwidth sub-bottom penetrator and mu, 250 Hz top-bandwidth single-channel seismic reflection acoustic tracking systems</p> <p>Measuring area type: All</p> <p>Platform type: All, aeroplane, beach/intertidal zone structure, coastal structure</p> <p>Instrument depth (m) from <input type="text"/> to <input type="text"/></p> <p>Originator: All</p> <p>CDI partner: Marine Hydrophysical Institute</p>
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Terminé

Access to data (CDI) : step 1 data discovery



The screenshot displays the SeaDataNet Common Data Index (CDI) V2 interface. At the top, there is a navigation bar with the title 'SeaDataNet Common Data Index (CDI) V2'. Below this, a world map shows data points in orange, primarily concentrated in the North Atlantic and Mediterranean regions. To the left of the map is a 'Tools' panel with various icons for search, zoom, and help. To the right is a 'Layer control' panel with checkboxes for 'CDI entry Points', 'CDI entry Tracks', and 'CDI entry Areas', along with other map layers like 'Grid Lines' and 'Regional sea'. Below the map, there are buttons for 'Summary', 'Zoom to selected', 'Export result', 'Store query', 'Refine query', and 'New query'. A search bar is visible at the bottom left, and a 'Basket' icon is at the bottom right. The search results table is shown below the map, listing data sets with columns for '#', 'Data set name', 'Country', 'Start date', 'Variables measured', 'Instrument / gear type', and 'Show'. The first result is 'St_30' from Ukraine, with a start date of 20061002. The second result is 'St_20' from Ukraine, also with a start date of 20061002. The 'Found 95348' text in the search results bar is circled in pink.

#	Data set name	Country	Start date	Variables measured	Instrument / gear type	Show
<input type="checkbox"/>	St_30	Ukraine	20061002	Chemical oceanography > Carbonate system > Nutrients > Carbon, nitrogen and phosphorus > Dissolved gases Physical oceanography > Water column temperature and salinity	CTD, elemental analysers	
<input type="checkbox"/>	St_20	Ukraine	20061002	Chemical oceanography > Carbonate system > Nutrients > Carbon, nitrogen and phosphorus > Dissolved gases Physical oceanography > Water column temperature and salinity	CTD, elemental analysers	

Access to data (CDI) : step 2 shopping

SeaDataNet Common Data Index (CDI) V2

Tools

Enlarge Help
Position Index

Datasets 100

Basket Reset

3

Add to basket **2**

1

<input checked="" type="checkbox"/>	#	Data set name	Country	Start date	Variables measured	Instrument / gear type	Show
<input checked="" type="checkbox"/>	St_30	Ukraine	20061002	Chemical oceanography > Carbonate system > Nutrients > Carbon, nitrogen and phosphorus > Dissolved gases Physical oceanography > Water column temperature and salinity	CTD, elemental analysers		
<input checked="" type="checkbox"/>	St_20	Ukraine	20061002	Chemical oceanography > Carbonate system > Nutrients > Carbon, nitrogen and phosphorus > Dissolved gases Physical oceanography > Water column temperature and salinity	CTD, elemental analysers		

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**

Summary Zoom to selected Export result Store query Refine query New query Found 95348 | Show (1-100) | Previous | Next 100

Done

Access to data (CDI) : step 2 shopping

Shopping basket

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
1207976	Nuclear_922	restricted
1207993	Nuclear_938	restricted
1208010	Nuclear_953	restricted
1208027	Nuclear_969	restricted
1208040	Nuclear_980	restricted
1208057	Nuclear_996	restricted
1207963	Nuclear_910	restricted
1207972	Nuclear_919	restricted
1207997	Nuclear_941	restricted

Terminé

Access to data (CDI) : step 2 shopping

Shopping basket



PAN-EUROPEAN INFRASTRUCTURE
FOR OCEAN & MARINE DATA
MANAGEMENT

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](#)

Terminé

Access to data (CDI) : step 2 shopping

Shopping basket

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	SDNR07;SDNR01;SDNR03
Role names	partner;Administrator;Academic

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

Text 500

Input the use of the downloaded data

[Submit request list](#) [Reset](#) [Cancel request](#)

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

Access to data (CDI) : step 3 downloading

Shopping basket



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	SDNR07;SDNR01;SDNR03
Role names	partner;Administrator;Academic

Your order with **order number 4378** 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.](#)

You can log on using your SeaDataNet user id and password.

Access to data (CDI) : step 3 downloading

Request Status Manager Logout Help Home

Pan-European infrastructure for Ocean & Marine Data Management

SeaDataNet Overview of dataset requests and processing per SeaDataNet Data Centre

| FOUND 10 | CURRENT | PREVIOUS | NEXT

Data centre	Country	Status of dataset requests				
		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			500		500
Marine Hydrophysical Institute	Ukraine	100		20		120
All-Russia Research Institute of Hydrometeorological Information - World Data Centre (RIHMI-WDC) Nat	Russian Federation			1		1
NIOZ Royal Netherlands Institute for Sea Research	Netherlands			701		701
IFREMER / IDM/SISMER	France		20	3553	4	3577
Marine Institute	Ireland			11		11
Spanish Oceanographic Institute	Spain			39		39
ENEA Special Project on Global and Mediterranean Climate - Marine Branch - La Spezia	Italy			100		100
German Oceanographic Datacentre (NODC)	Germany			74		74
British Oceanographic Data Centre	United Kingdom			46	3	49

Terminé

Access to data (CDI) : step 3 downloading

Request Status Manager Logout Help Home

Pan-European infrastructure for Ocean & Marine Data Management

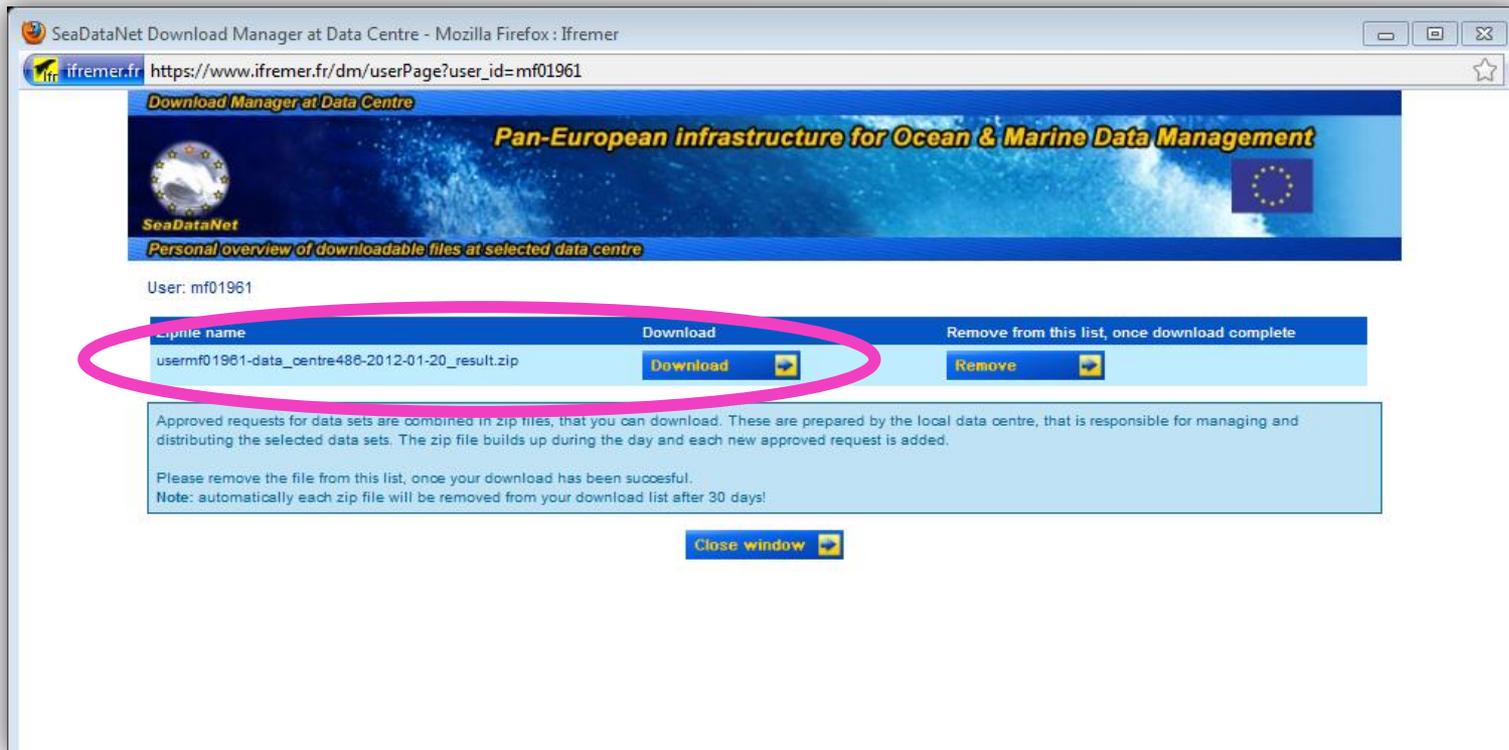
SeaDataNet Overview of dataset requests and processing per SeaDataNet Data Centre

25 50 100 1000 RECORDS

| FOUND 20 | CURRENT | PREVIOUS | NEXT

FREMER / IDM / SISMER						Status: Ready for downloading
Dataset CD/ID	Dataset name	Request-ID	Request-key	Request date	Last update	Format
829314	74000111.ctd(00010)	718723	4373	2012-01-20	2012-01-20	ODV
828475	73000311.ctd(00010)	718722	4373	2012-01-20	2012-01-20	ODV
828346	73000111.ctd(00010)	718721	4373	2012-01-20	2012-01-20	ODV
828073	72003811.ctd(00010)	718720	4373	2012-01-20	2012-01-20	ODV
830619	75004111.ctd(00890)	718719	4373	2012-01-20	2012-01-20	ODV
830618	75004111.ctd(00880)	718718	4373	2012-01-20	2012-01-20	ODV
830609	75004111.ctd(00790)	718717	4373	2012-01-20	2012-01-20	ODV
830569	75004111.ctd(00390)	718716	4373	2012-01-20	2012-01-20	ODV
830568	75004111.ctd(00380)	718715	4373	2012-01-20	2012-01-20	ODV
830567	75004111.ctd(00370)	718714	4373	2012-01-20	2012-01-20	ODV
830566	75004111.ctd(00360)	718713	4373	2012-01-20	2012-01-20	ODV
830549	75004111.ctd(00190)	718712	4373	2012-01-20	2012-01-20	ODV
830548	75004111.ctd(00180)	718711	4373	2012-01-20	2012-01-20	ODV
830531	75004111.ctd(00010)	718710	4373	2012-01-20	2012-01-20	ODV
852394	2000040040.ctd (04940)	718709	4373	2012-01-20	2012-01-20	ODV
852393	2000040040.ctd (04930)	718708	4373	2012-01-20	2012-01-20	ODV
852392	2000040040.ctd (04920)	718707	4373	2012-01-20	2012-01-20	ODV
852385	2000040040.ctd (04810)	718706	4373	2012-01-20	2012-01-20	ODV
852384	2000040040.ctd (04800)	718705	4373	2012-01-20	2012-01-20	ODV
852383	2000040040.ctd (04790)	718704	4373	2012-01-20	2012-01-20	ODV

Access to data (CDI) : step 3 downloading



SeaDataNet Download Manager at Data Centre - Mozilla Firefox : Ifremer

ifremer.fr https://www.ifremer.fr/dm/userPage?user_id=mf01961

Download Manager at Data Centre

Pan-European infrastructure for Ocean & Marine Data Management

SeaDataNet

Personal overview of downloadable files at selected data centre

User: mf01961

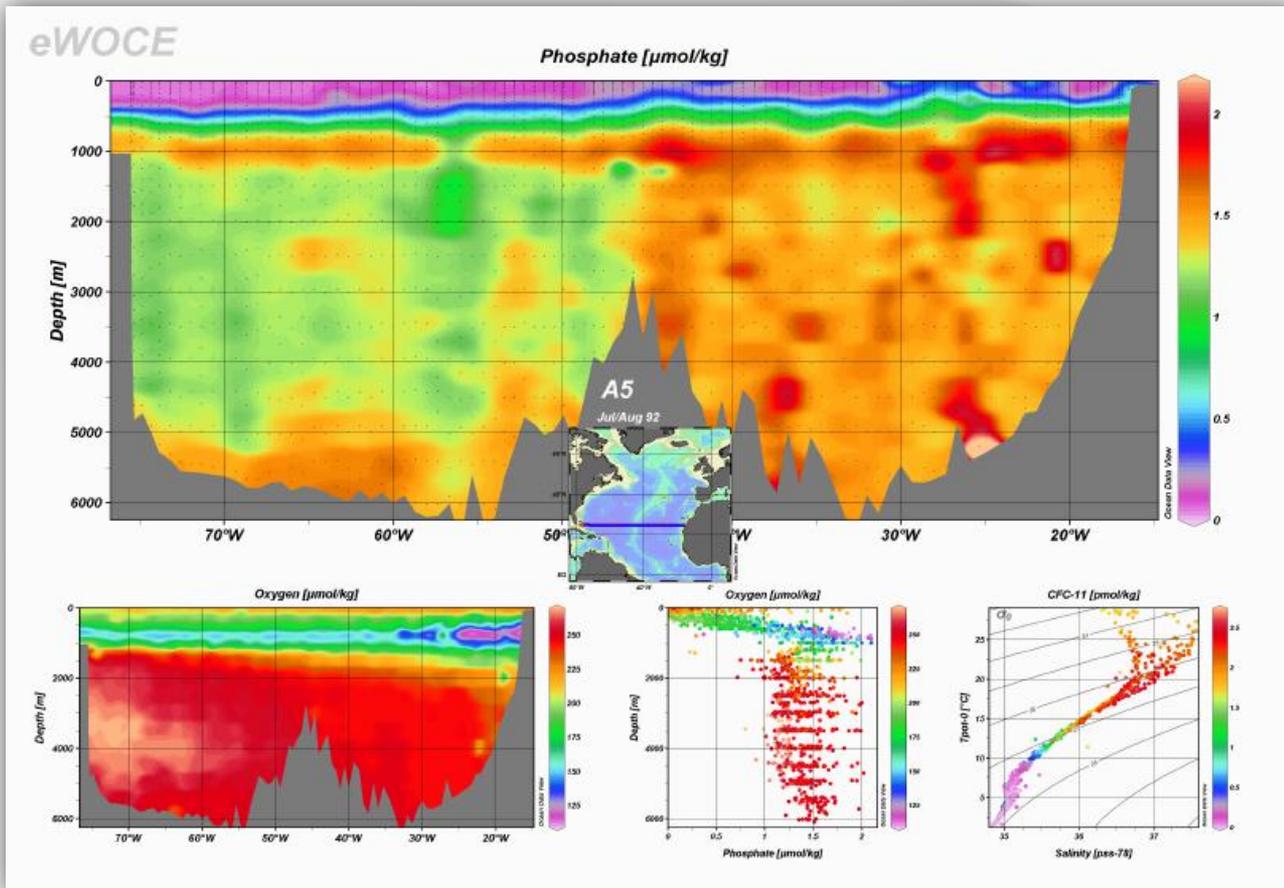
File name	Download	Remove from this list, once download complete
usermf01961-data_centre486-2012-01-20_result.zip	Download	Remove

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

Close window

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



Access to data (CDI) : step 4 viewing (DIVA online)

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):

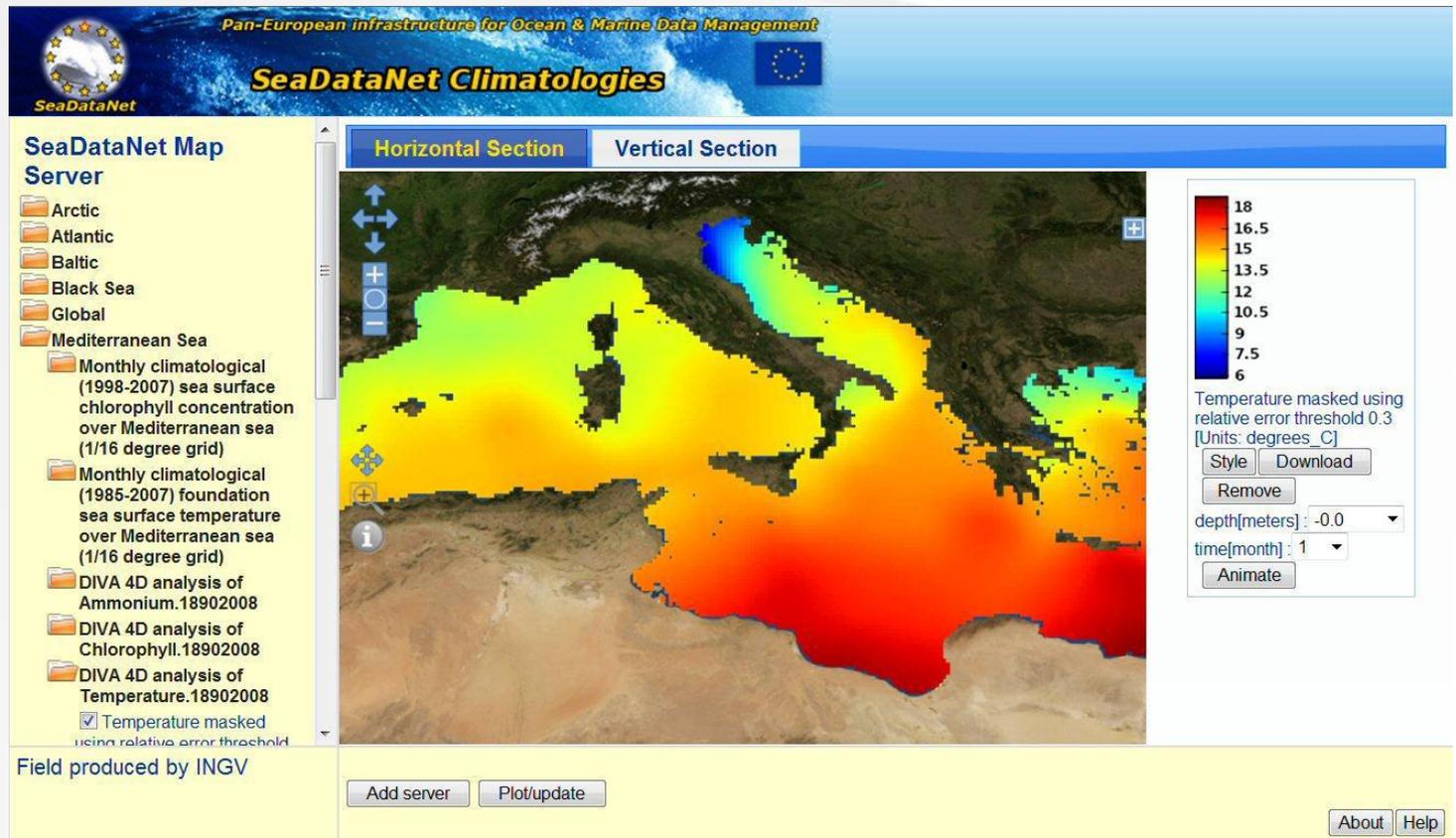
Time range:
(YYYY-MM-DD)



-92.10938, -123.75000

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



The screenshot displays the SeaDataNet web interface for viewing climatological data. The main window shows a map of the Mediterranean Sea with a color-coded temperature overlay. The interface includes a sidebar with a tree view of data sources, a central map area with navigation controls, and a right-hand panel with a color scale and data parameters.

SeaDataNet Map Server

- Arctic
- Atlantic
- Baltic
- Black Sea
- Global
- Mediterranean Sea
 - Monthly climatological (1998-2007) sea surface chlorophyll concentration over Mediterranean sea (1/16 degree grid)
 - Monthly climatological (1985-2007) foundation sea surface temperature over Mediterranean sea (1/16 degree grid)
 - DIVA 4D analysis of Ammonium.18902008
 - DIVA 4D analysis of Chlorophyll.18902008
 - DIVA 4D analysis of Temperature.18902008
 - Temperature masked using relative error threshold

Field produced by INGV

Horizontal Section | Vertical Section

Temperature masked using relative error threshold 0.3 [Units: degrees_C]

depth[meters]: -0.0

time[month]: 1

sdn-userdesk@seadatanet.org – www.seadatanet.org

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.

SeaDataNet standards and tools in other EU projects (2)

- **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

Ukraine participation in SeaDataNet



Marine Hydrophysical Institute – MHI

FP6 SeaDataNet

FP7 SeaDataNet II



Institute of biology of Southern Seas - IBSS

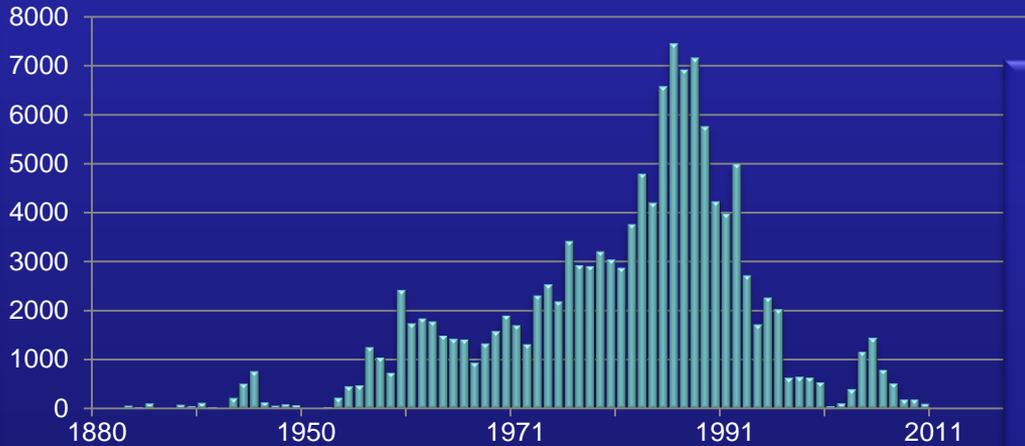
FP7 SeaDataNet II

Ukraine participation in SeaDataNet

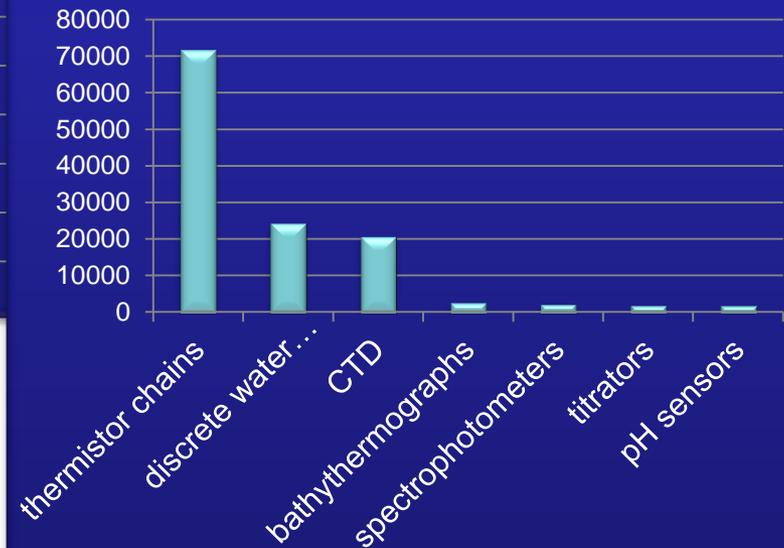
Catalogue	Number Ukraine/Total	%
Datasets - EDMED	71 / 3 825	2%
Projects - EDMERP	168 / 2 603	6.5%
Organisations - EDMO	22 / 2 181	1%
Cruises - CSR	313 / 32 393	1%
Data - CDI	128 933 / 1 074 003	12%

Ukrainian data in SeaDataNet infrastructure

Number / year



Number/data type



**Thank you for
your attention**