



*FixO³ workshop
Bremen, April 15-16, 2015*



SeaDataNet

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

***Presentation at FIXO3 Workshop
Bremen, Germany, 16th April 2015***

M. Fichaut- SeaDataNet II project Coordinator



SeaDataNet



EU – MAST
EU – MASTII

EU-FP5

EU-FP6

EU-FP7



90s
EDMED
Euronodim
MEDATLAS
EDIOS

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



NODCs are core partners

- National Oceanographic Data Centres (NODC's) are mostly divisions of major national marine research institutes and based in 35 countries, surrounding the European seas
- NODC's are experienced in managing data, which includes quality control, documenting, long term stewardship and publishing, for their own institute and for many other institutes in their country
- NODC's are members of IOC-IODE and ICES for sharing global practices
- NODC's are increasingly building national infrastructures on SeaDataNet basis to support their national networking



SeaDataNet

Portal with harmonised services, data products and tools for users and SeaDataNet data centres

PAN-EUROPEAN INFRASTRUCTURE
FOR OCEAN & MARINE DATA
MANAGEMENT

SeaDataNet

Overview Metadata Data Access Standards & Software Products Events Publications

News

WP10 Product leaders meeting
8 April, 2015, in Athens (Greece)

Eighth Steering Committee meeting
9 April, 2015, in Athens (Greece)

New release of MIKADO
Version 3.3.4 available

Seventh TTG meeting
3-4 March, 2015, in Trieste (Italy)

Newsletters

[Click here to Newsletters](#)

EU Participant Portal

[Click here to PP](#)

Feedback

[Your feedback on SeaDataNet](#)

[Questionnaire](#)

SEVENTH FRAMEWORK PROGRAMME

Webmaster

adm-users@seadatanet.org www.seadatanet.org

<http://www.seadatanet.org>

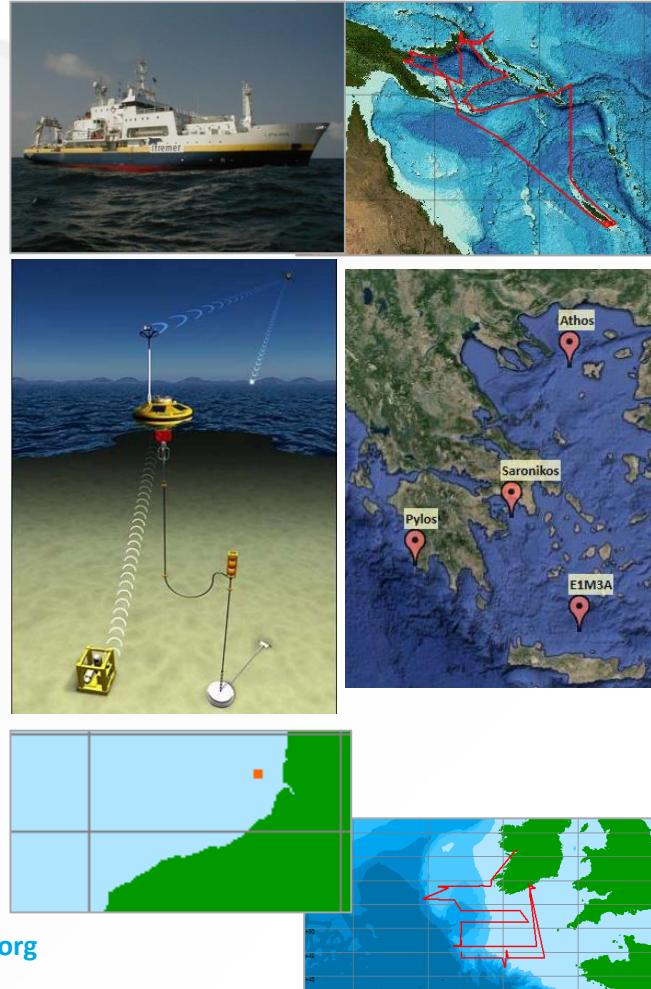
6 Pan-European directory services

- **EDMO** : European Directory of Marine Organisations (~=3200 records)
 - 1 organisation or 1 department/laboratory - IFREMER/SISMER
- **EDMED** : European Directory of Marine Environmental Datasets (~=4000 records)
 - 1 dataset = 1 EDMED record MEDAR/MEDATLAS
- **EDMERP** : European Directory of Marine Environmental Research projects (~=2800 records)
 - 1 project = 1 EDMERP record SeaDataNet II

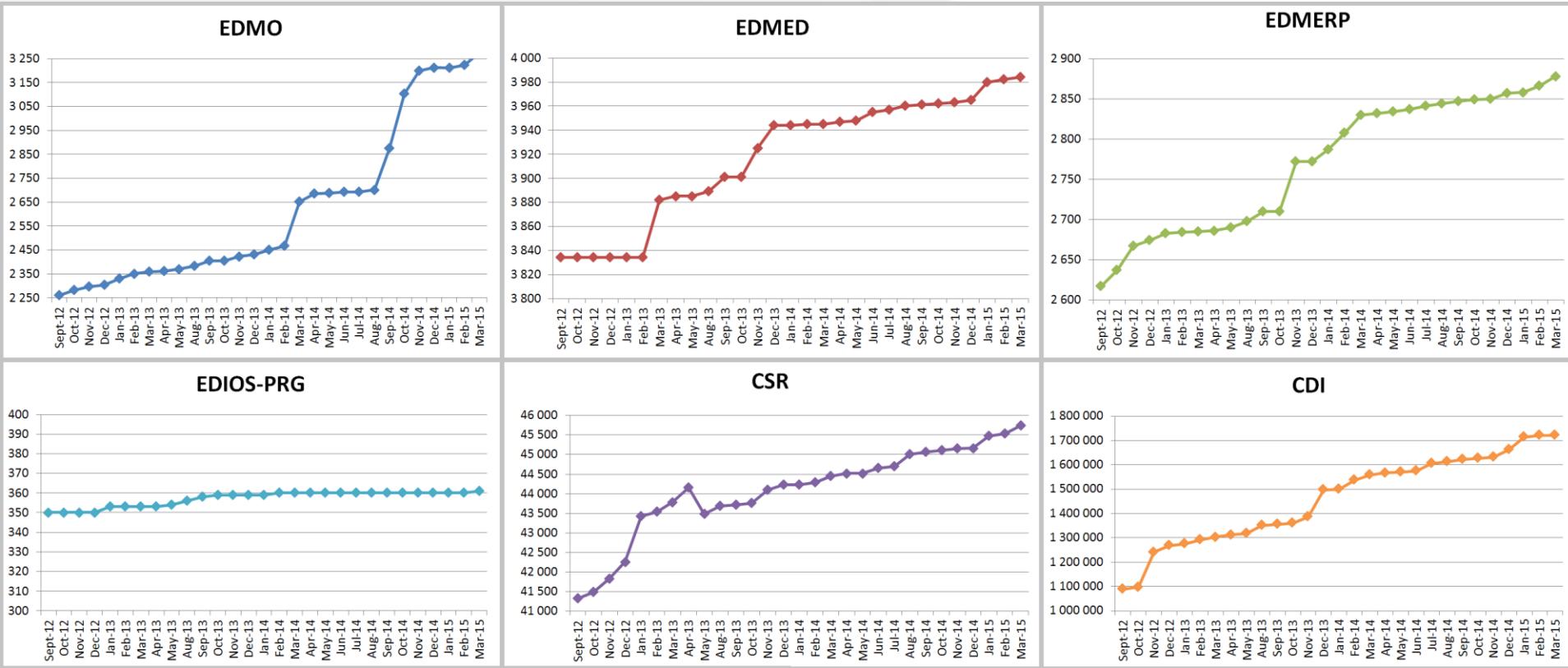


6 Pan-European directory services

- **CSR** : Cruise Summary Reports ($\sim= 46000$ records)
 - 1 cruise = 1 CSR record
- **EDIOS** : European Directory of Ocean Observing Systems (programmes and stations) (360 programmes; $\sim= 16000$ series)
 - 1 monitoring network = 1 EDIOS programme POSEIDON
 - 1 observatory = 1 EDIOS series ATHOS mooring (or temporal part of)
- **CDI** : Common Data Index ($\sim=1.7$ million records from 106 data centres and $\sim= 550$ originators)
 - 1 station (CTD), 1 time series (Moored current meter), 1 trajectory (Thermosalinograph, Bathymetry)



Pan-European directory services - increase





Pan-European directory services

Projects (EDMERP)

Organisations (EDMO)

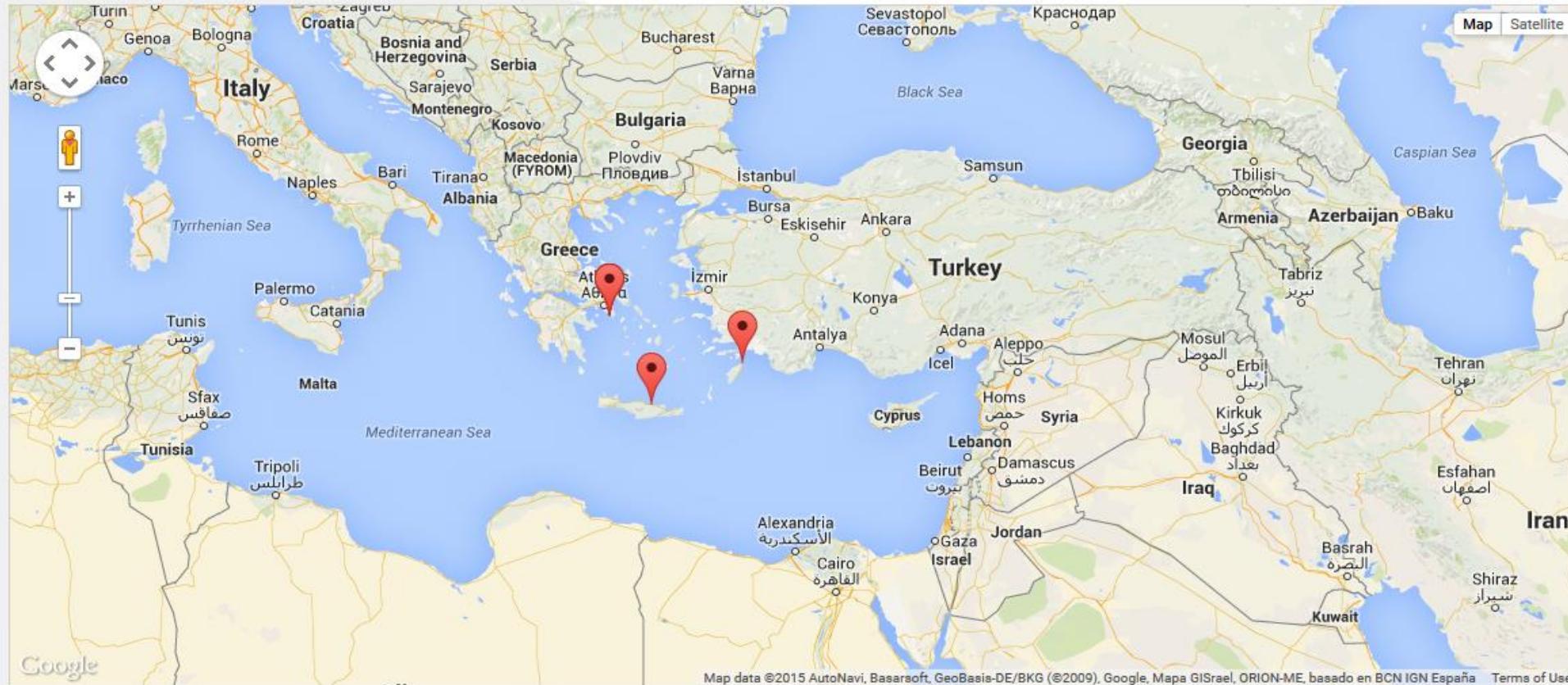
Cruises (CSR)

Observatories (EDIOS)

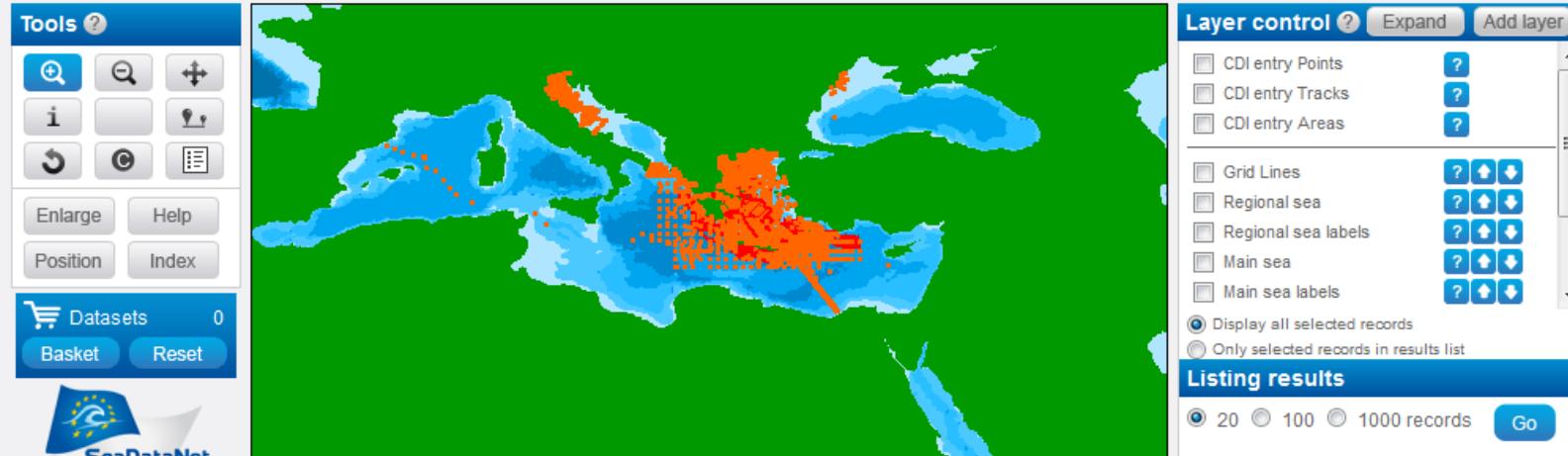
Data (CDI)

Data sets(EDMED)

Search Results



Map data ©2015 AutoNavi, Basarsoft, GeoBasis-DE/BKG (©2009), Google, Mapa GISrael, ORION-ME, basado en BCN IGN España Terms of Use

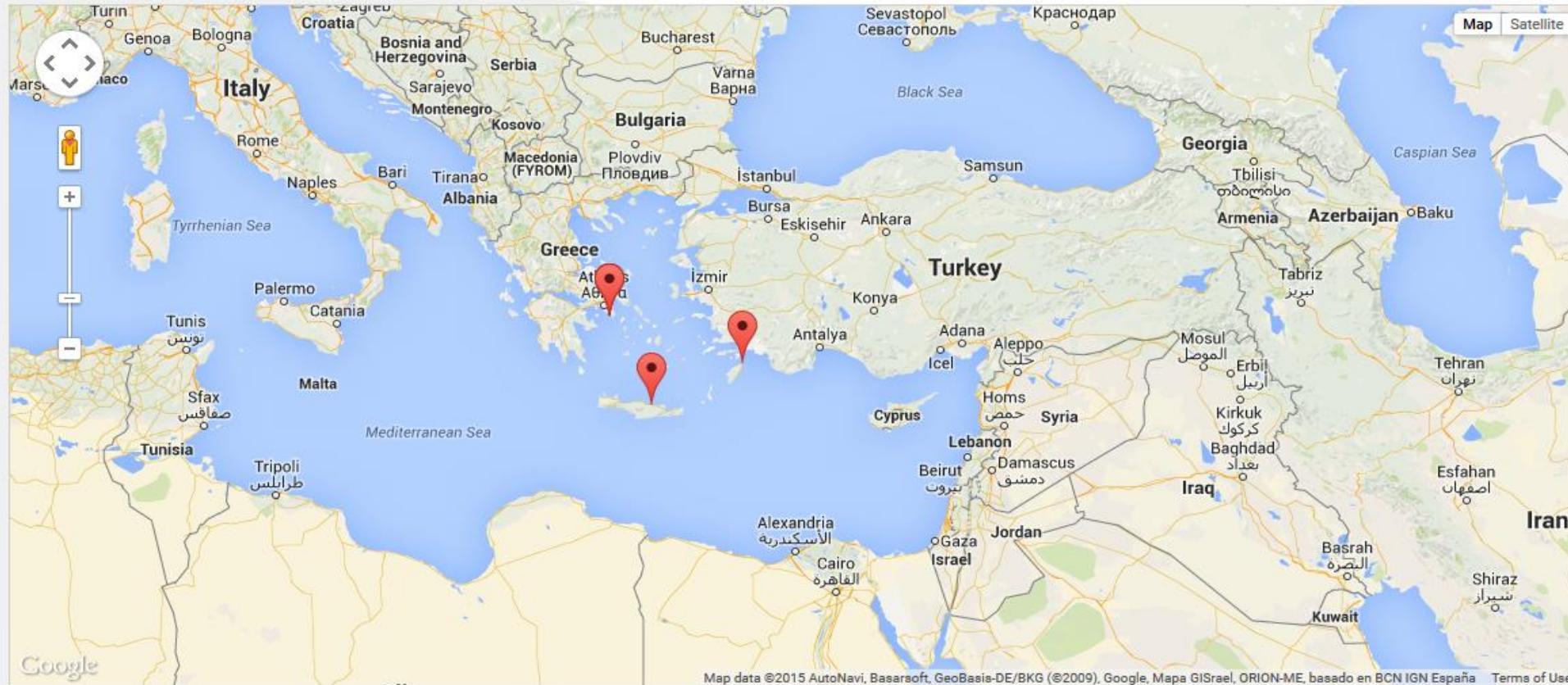


Timeseries on **Summary** **Zoom to selected** **Export result** **Store query**

| [Refine query](#) | [New query](#) | Found 15583 | Show (1-20) | Previous | [Next 20](#)

#	Data set name ▾	Country ▾	Start date ▾	Disciplines - Parameter groups	Instrument / gear type ▾	Show
<input type="checkbox"/>	WFD_HCMR_Zoobenthos_2013	Greece	20130406	Biological oceanography -> Biota abundance, biomass and diversity -> Rock and sediment biota Marine geology -> Rock and sediment biota Terrestrial -> Rock and sediment biota	benthos samplers	
<input type="checkbox"/>	WFD_HCMR_Zoobenthos_2013	Greece	20130409	Biological oceanography -> Biota abundance, biomass and diversity -> Rock and sediment biota Marine geology -> Rock and sediment biota Terrestrial -> Rock and sediment biota	benthos samplers	
<input type="checkbox"/>	WFD_HCMR_Zoobenthos_2013	Greece	20130405	Biological oceanography -> Biota abundance, biomass and diversity -> Rock and sediment biota Marine geology -> Rock and sediment biota Terrestrial -> Rock and sediment biota	benthos samplers	
<input type="checkbox"/>	WFD_HCMR_Zoobenthos_2013	Greece	20130409	Biological oceanography -> Biota abundance, biomass and diversity -> Rock and sediment biota Marine geology -> Rock and sediment biota Terrestrial -> Rock and sediment biota	benthos samplers	
<input type="checkbox"/>	WFD_HCMR_Zoobenthos_2013	Greece	20130329	Biological oceanography -> Biota abundance, biomass and diversity -> Rock and sediment biota	benthos samplers	

Search Results



Map data ©2015 AutoNavi, Basarsoft, GeoBasis-DE/BKG (©2009), Google, Mapa GISrael, ORION-ME, basado en BCN IGN España Terms of Use



SeaDataNet

PAN-EUROPEAN INFRASTRUCTURE
FOR OCEAN & MARINE DATA
MANAGEMENT

12/64

FixO³ workshop, Bremen, April 15-16, 2015



PAN-EUROPEAN INFRASTRUCTURE
FOR OCEAN & MARINE DATA
MANAGEMENT

Cruise Summary Report Inventory (CSR)

SET OF RESULTS: "HELLENIC CENTRE FOR MARINE RESEARCH, HELLENIC NATIONAL OCEANOGRAPHIC DATA CENTRE (HCMR/HNODC)"

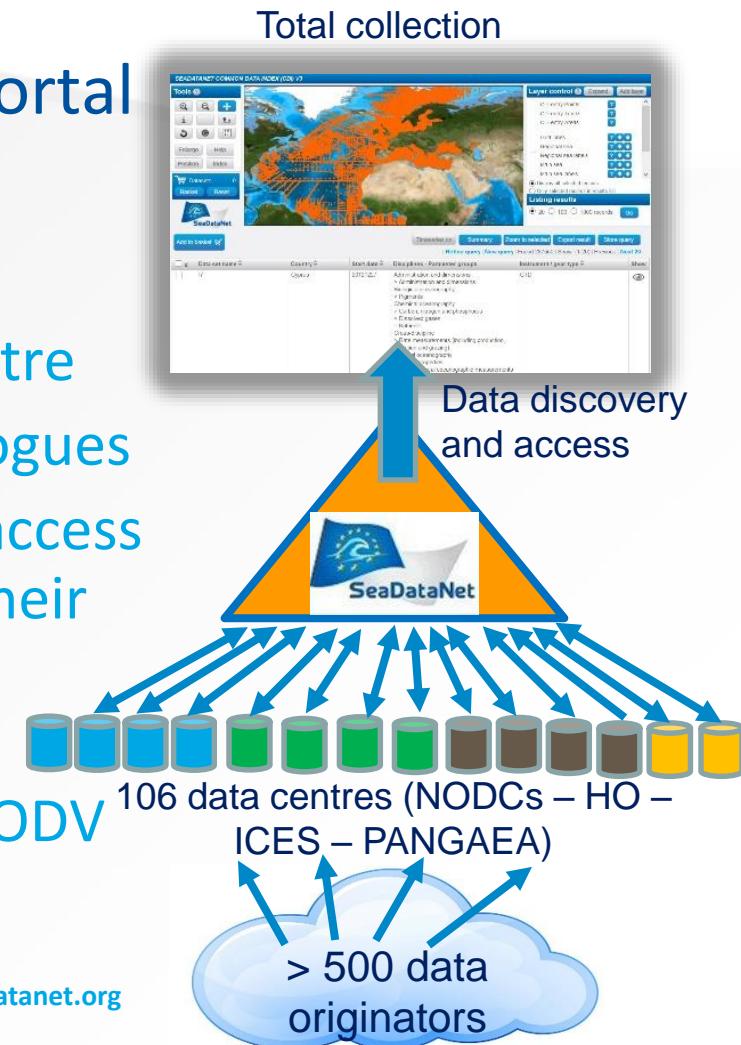
Found 312 | Show (141-150) | [Previous 10](#) | [Next 10](#)

Platform Name	Cruise Name	from	to	Show
Aegaeo	PSITTALIA_01/1999	05.01.1999	05.01.1999	
Unknown	PAGASSITIKOS MANAGEMENT 18	21.12.1998	21.12.1998	
Aegaeo	MED.POL-48	09.12.1998	12.12.1998	
Aegaeo	PSITTALIA_12/1998,MED.POL-48	09.12.1998	12.12.1998	
Unknown	PAGASSITIKOS MANAGEMENT 17	19.11.1998	19.11.1998	
Aegaeo	PSITTALIA_11/1998	10.11.1998	10.11.1998	
Unknown	PAGASSITIKOS MANAGEMENT 16	20.10.1998	20.10.1998	
Aegaeo	MTPII-MATER/M4WF-OCT98	12.10.1998	09.11.1998	
Aegaeo	MED.POL-47	07.10.1998	08.10.1998	
Aegaeo	PSITTALIA_10/1998,MED.POL-47	07.10.1998	08.10.1998	

Found 312 | Show (141-150) | [Previous 10](#) | [Next 10](#)

SeaDataNet a semi-distributed infrastructure

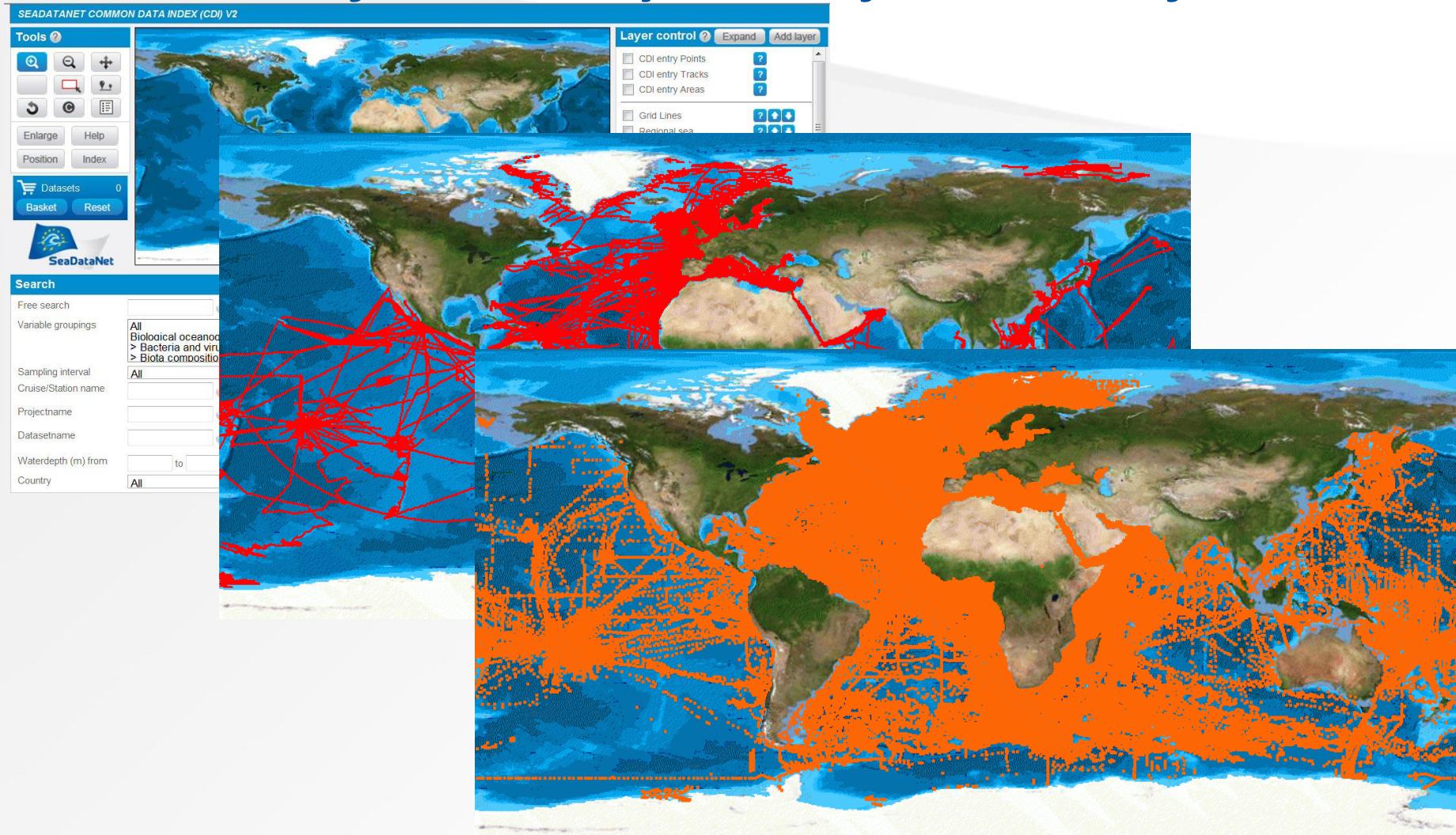
- SeaDataNet is not a portal of portal
- SeaDataNet is semi-distributed system
 - Seen as a unique virtual data centre
 - With centralised metadata catalogues
 - With a unique web portal given access to distributed data, localised in their original data centre
 - All data are distributed at homogeneous formats (netCDF, ODV and MedAtlas)





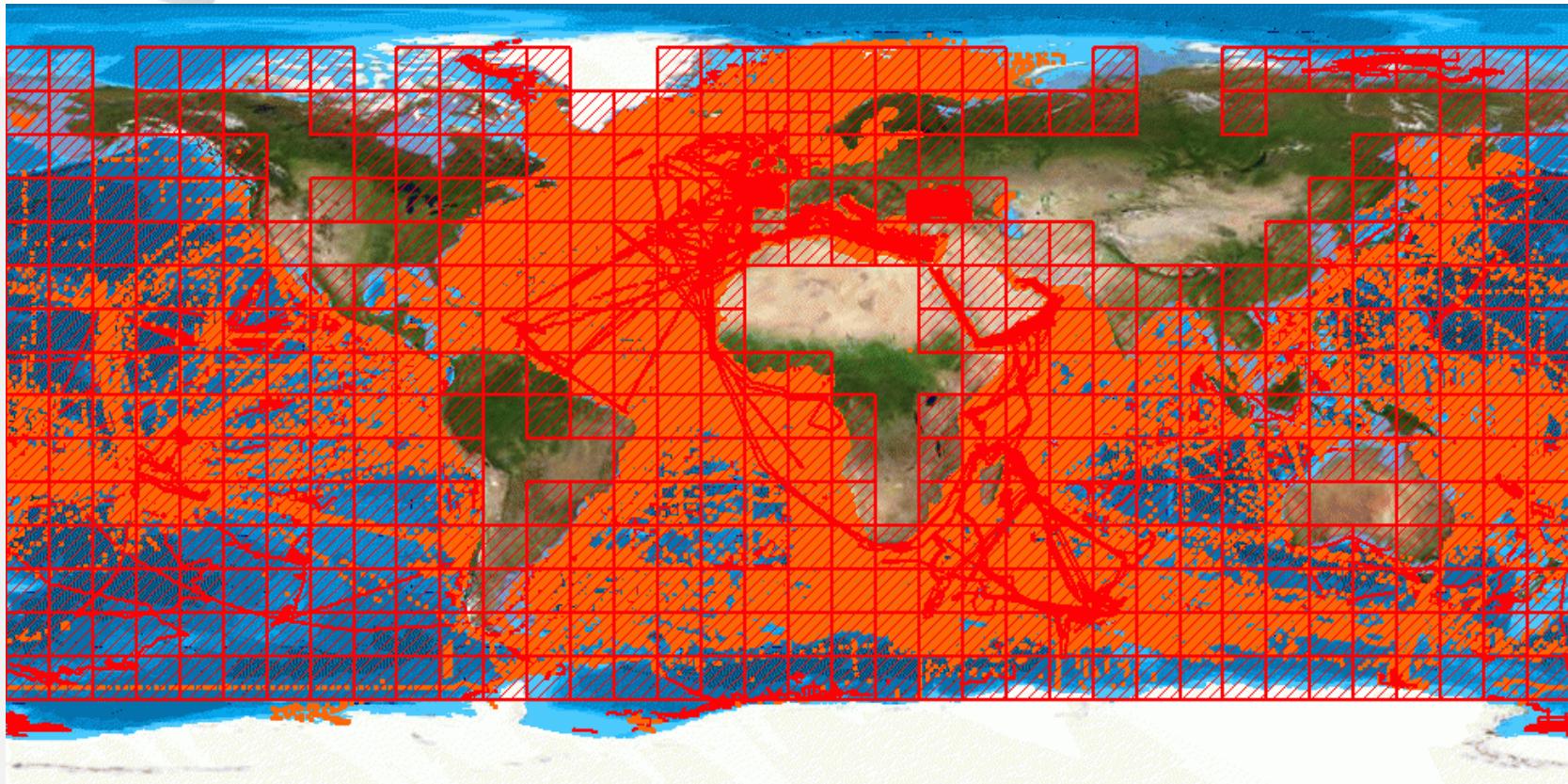
SeaDataNet

CDI service for discovery and unified access of data





SeaDataNet



> 1,7 million CDI entries from 35 countries and 106 data centres and 546 originators for physics, chemistry, geology, geophysics, bathymetry and biology; years 1805 – 2015; 85% unrestricted or under SeaDataNet license



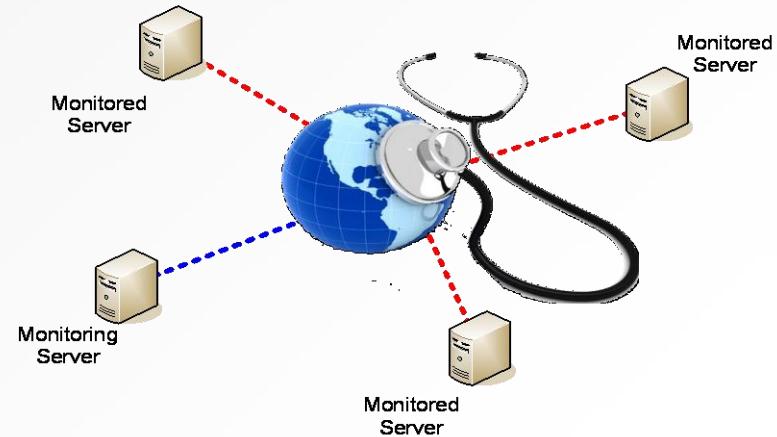
Additional achievements

- Set of common standards for metadata and data formats for the marine domain, adapting ISO and OGC standards and achieving INSPIRE compliance
- Controlled vocabularies for the marine domain (~=70.000 terms over 76 lists)
- Maintenance and dissemination of standard QA-QC procedures, with IODE and ICES
- Common SeaDataNet Data Policy and SeaDataNet License
- Set of tools to be used by each data centre
 - MIKADO: generator of XML descriptions of SeaDataNet catalogues
 - NEMO: reformatting software to SeaDataNet formats
 - Download Manager: local software to control downloading
 - ODV: Ocean data view adapted to SeaDataNet needs
 - DIVA: for product generation adapted to SeaDataNet needs
- Services for visualisation of data and products (Oceanbrowser, Oceanotron)
- Product catalogue (SEXTANT)



Monitoring of infrastructure

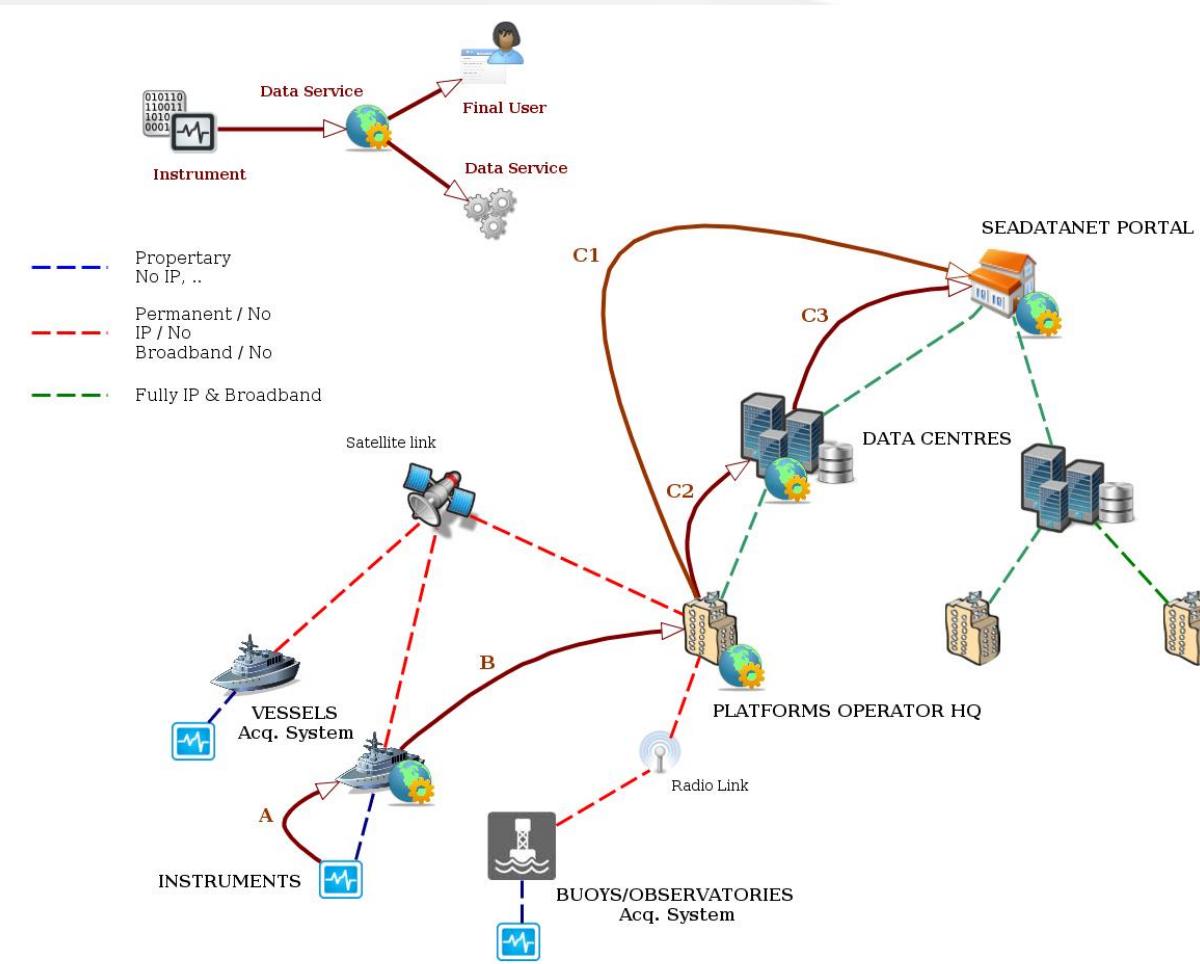
Monitoring of the operational availability of the infrastructure for core services centrally based (website, catalogues querying) and for local services (downloading from connected data centres)





SeaDataNet

Under development : SWE development for real-time flow from instrument to user

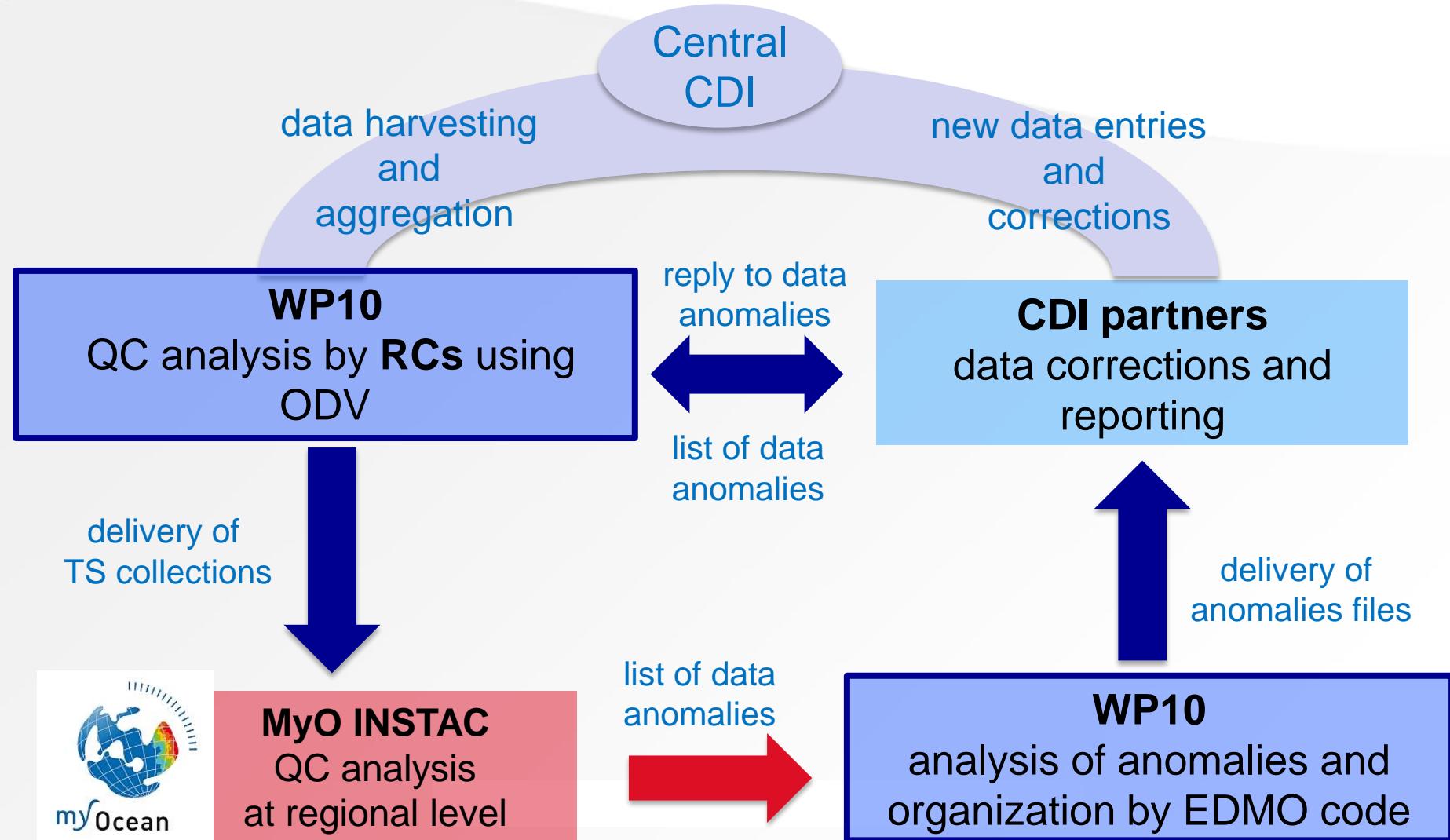




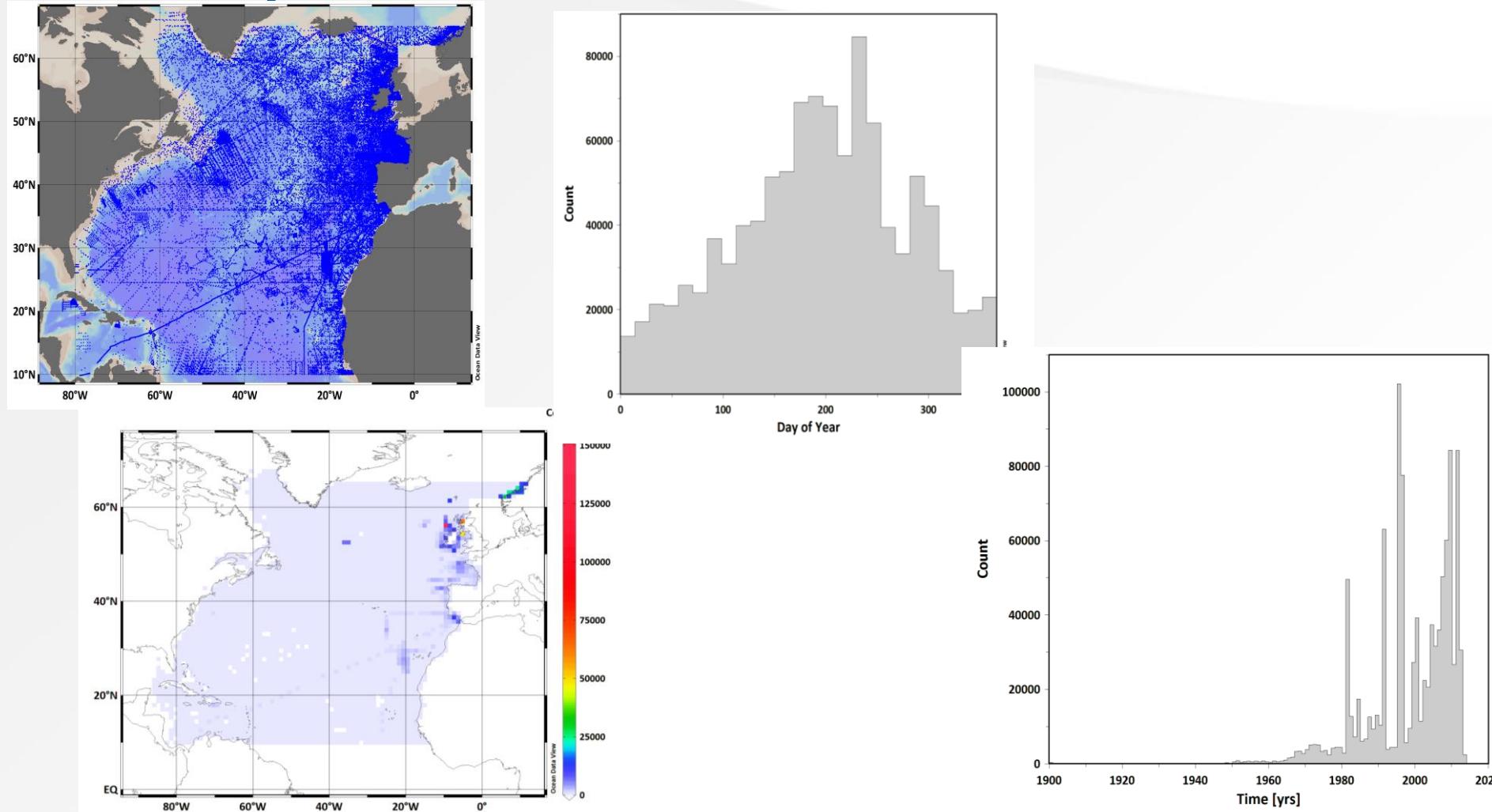
Under progress: products (1)

- Aggregated datasets of temperature and salinity
 - Per sea basin: all available SeaDataNet public data in **Mediterranean sea (*INGV, Italy*)**, **Black sea (*METU, Turkey*)**, **Baltic sea (*SMHI, Sweden*)**, **Arctic sea (*IMR, Norway*)**, **North sea (*RBINS, Belgium*)**, **North Atlantic ocean (*IFREMER, France*)**
 - Data harvested from SeaDataNet CDIs, QC loop
 - Currently, version 1 of the aggregated dataset, available internally only
 - Version 2 (more data) will be distributed outside of the project in Septembre 2015

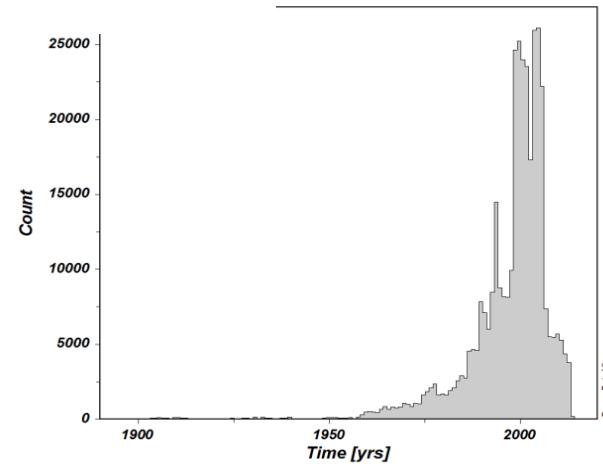
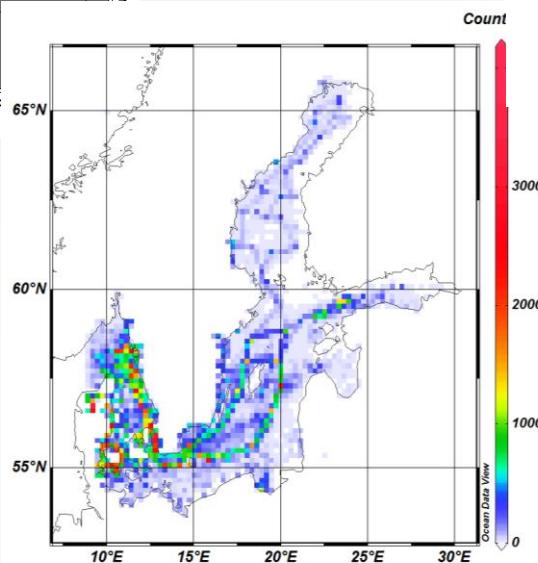
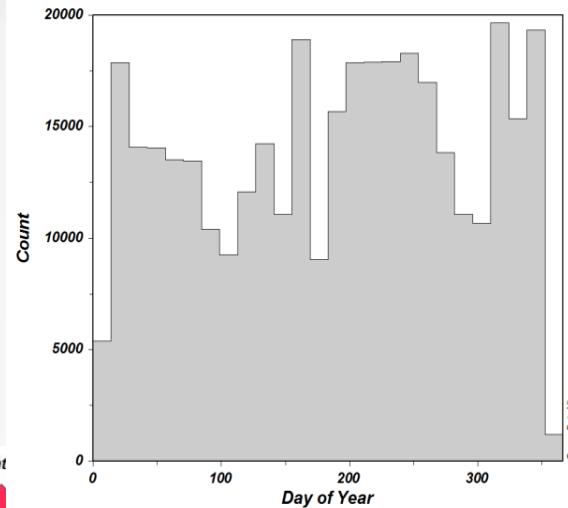
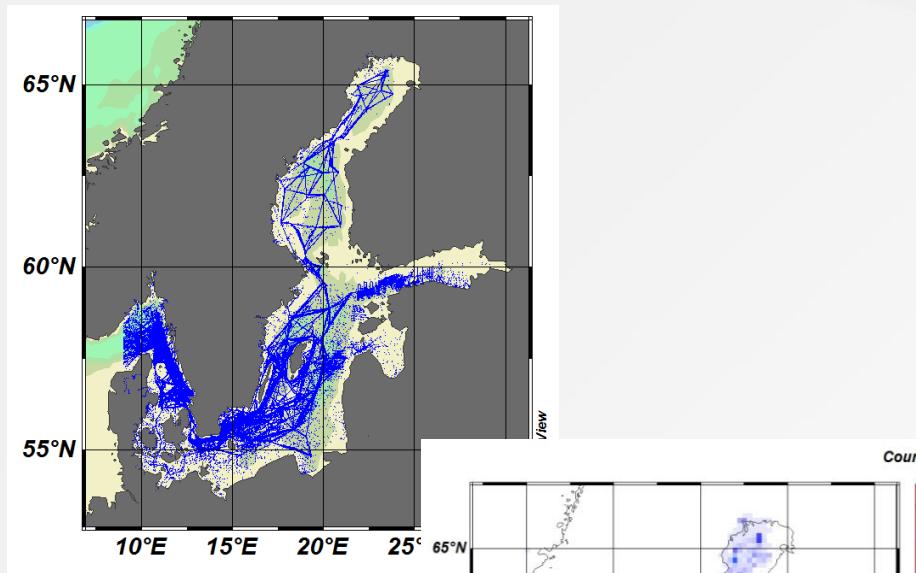
Quality assessment: QC loop



Examples: Atlantic ≈ 1 000 000 stations



Examples: Baltic sea, $\approx 350\,000$ stations



Under progress: products (2)

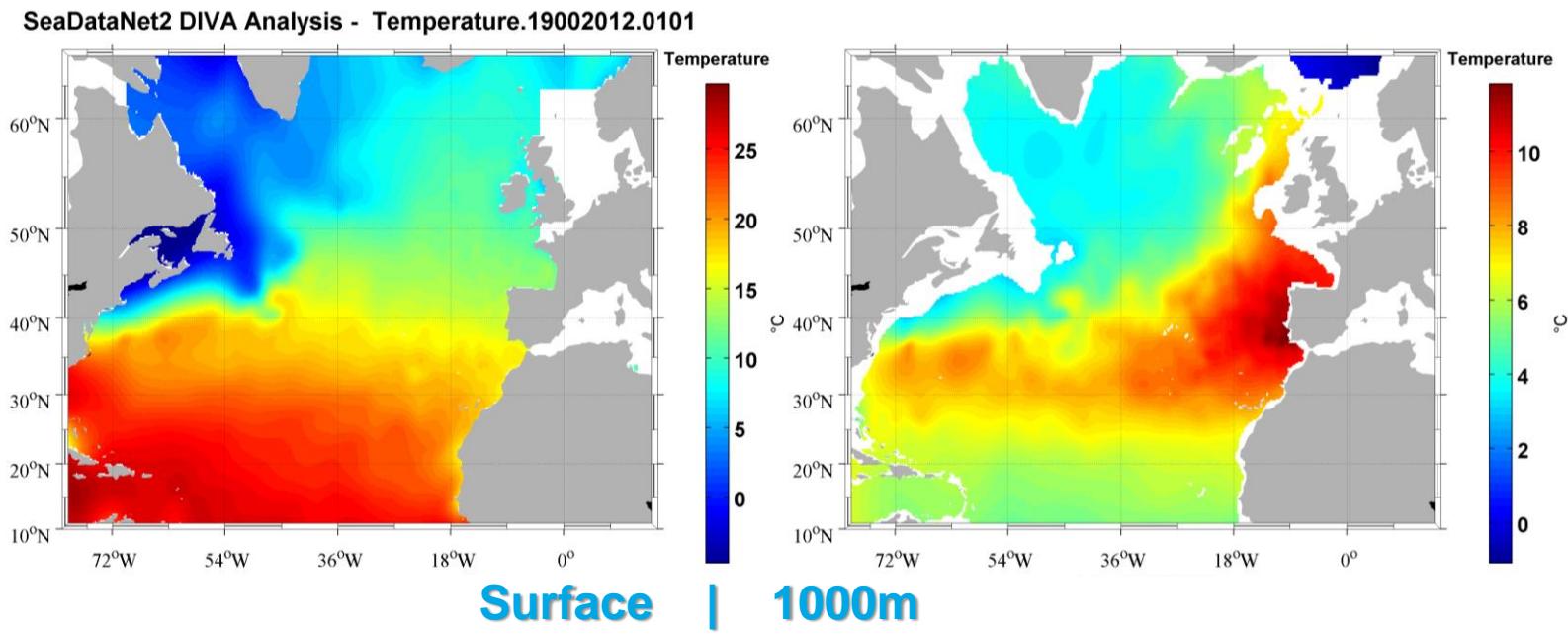
- Climatologies of temperature and salinity
 - Per sea basins, based on the aggregated data sets version 1, plus the additional restricted data

	Restricted data (% of total)
Atlantic	3
Baltic Sea	1
Black Sea (1990-2013)	19
Mediterranean Sea	17
Arctic	0
North Sea	14

- Final quality checks of the data : some outliers can be found

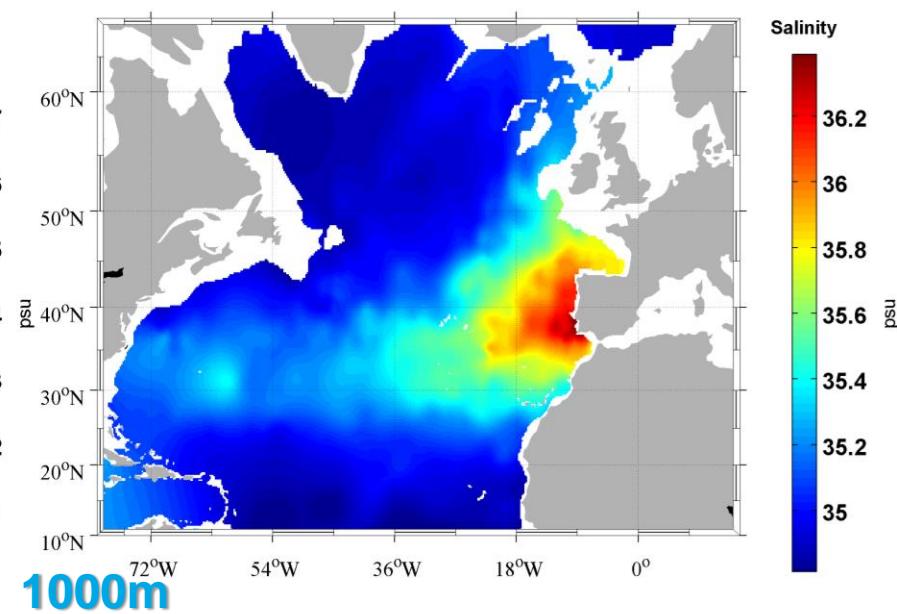
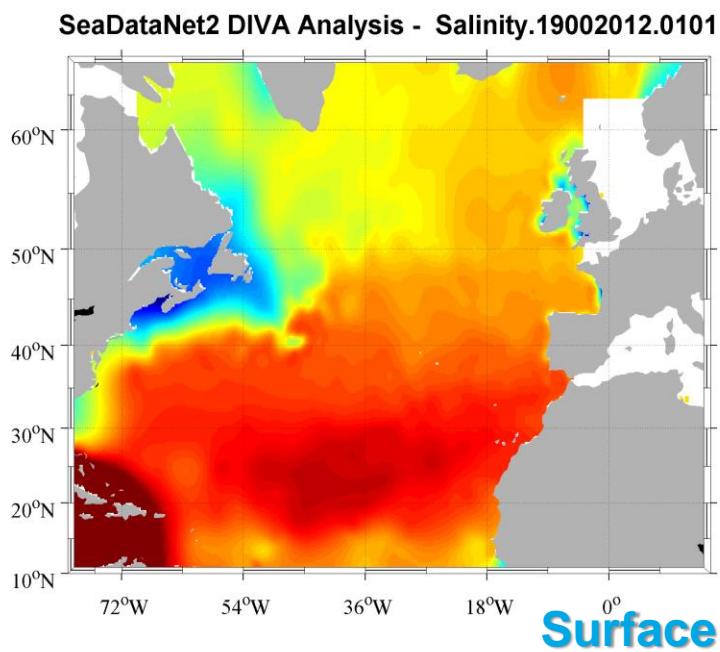
Examples: North Atlantic Ocean, Temperature

- In January



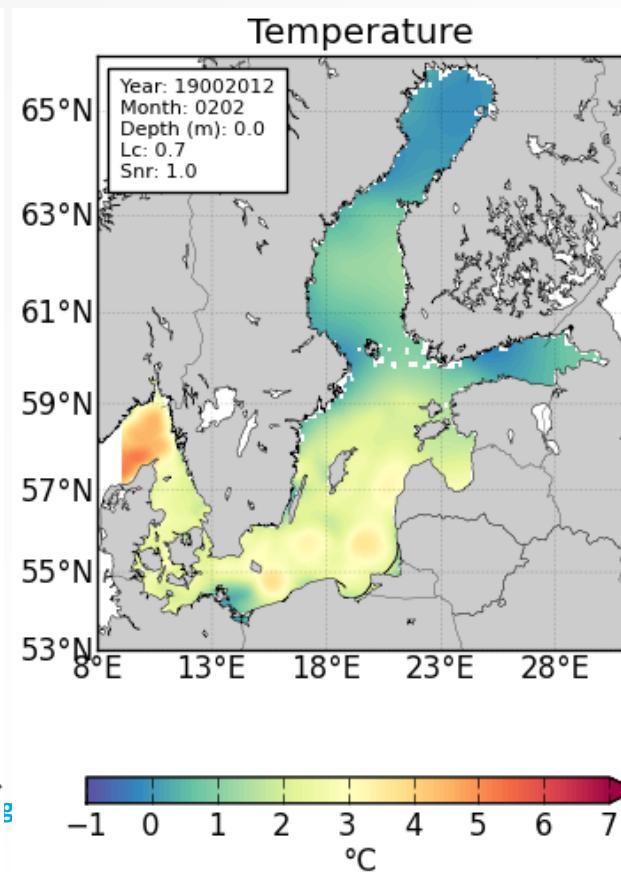
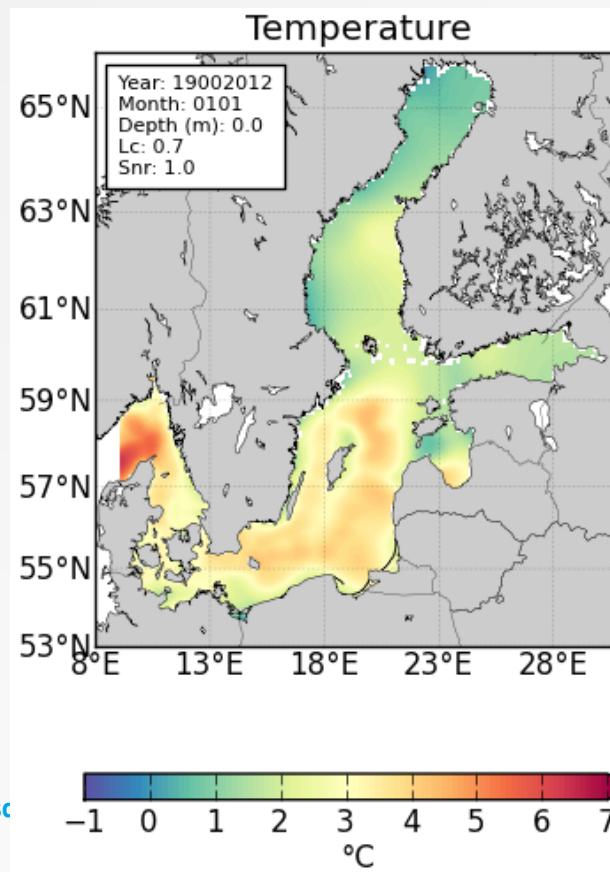
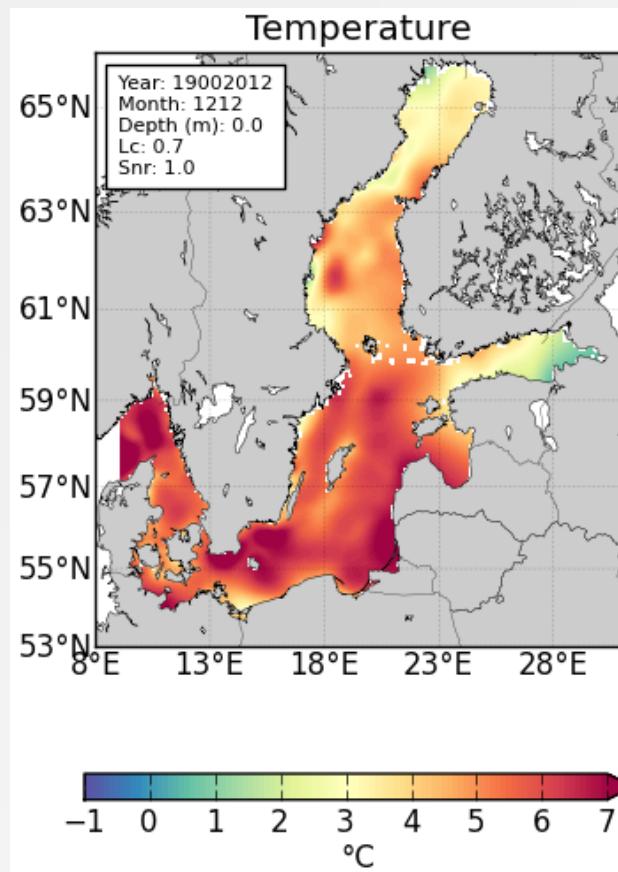
Examples: North Atlantic Ocean, Salinity

- In January



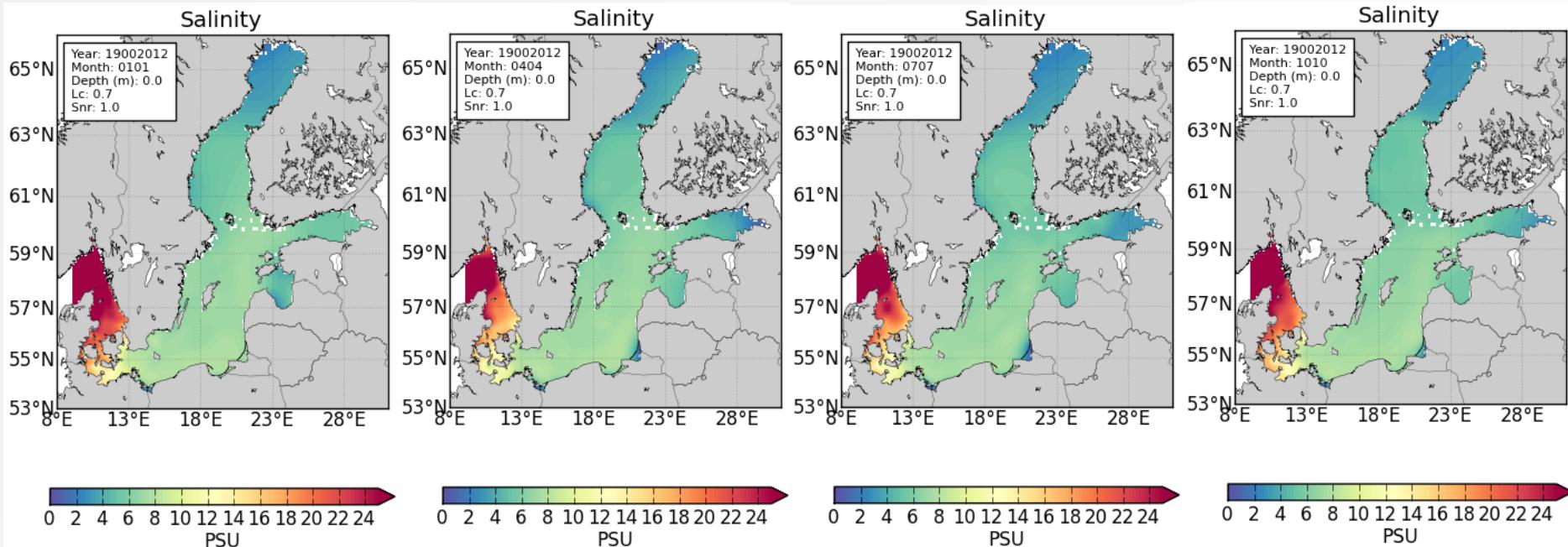
Examples: Baltic Sea, Temperature

- Surface Temperature, Winter (months 12, 01, 02)
 - Temperature dropping every month during winter



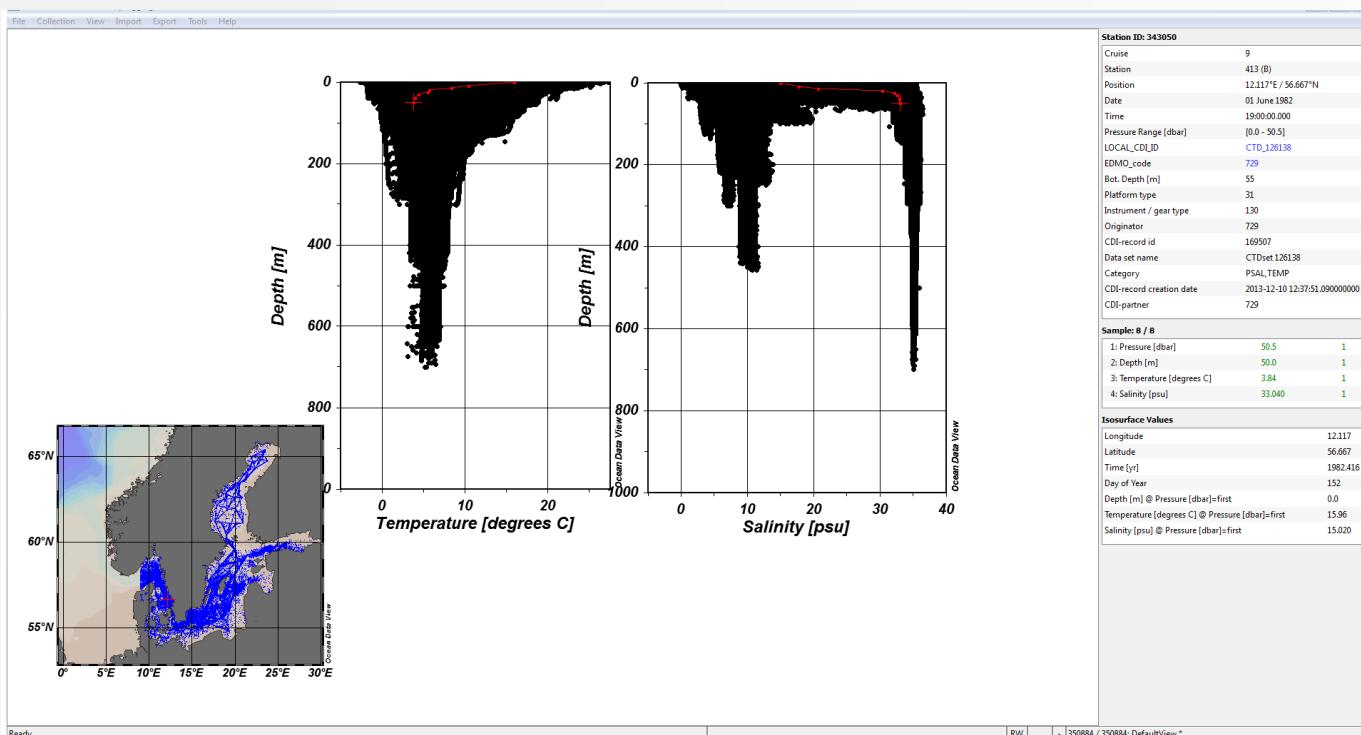
Examples: Baltic Sea, Salinity

- Surface Salinity, months 01, 04, 07, 10
 - Very similar value for salinity during each season



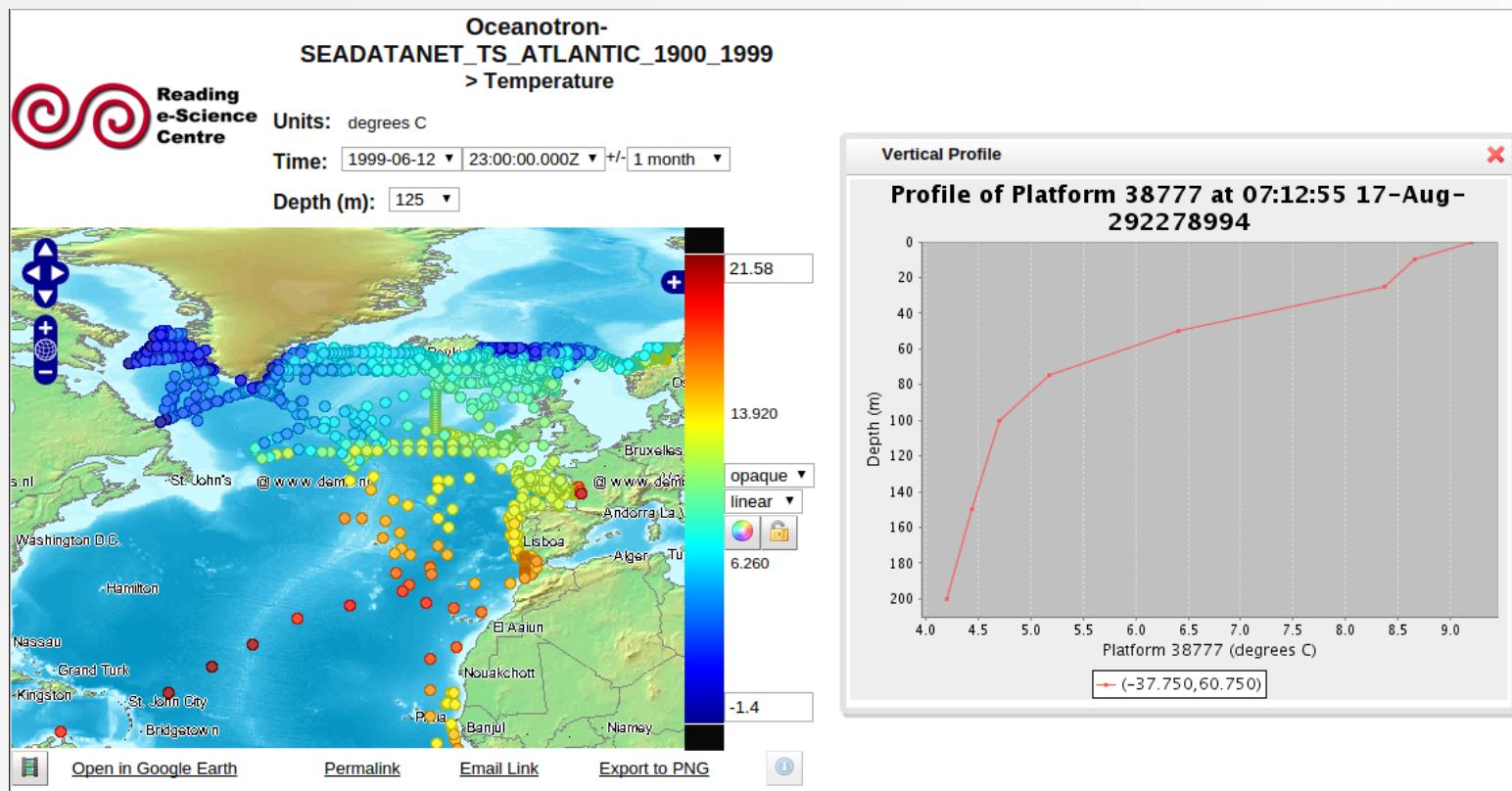
Publication of products – Aggregated datasets

- to be made available as **Downloadable Package** via Sextant Catalogue together with **ODV software** for local analysis, visualisations, and extractions
- Including CDI, CSR, EDMERP, EDMO links



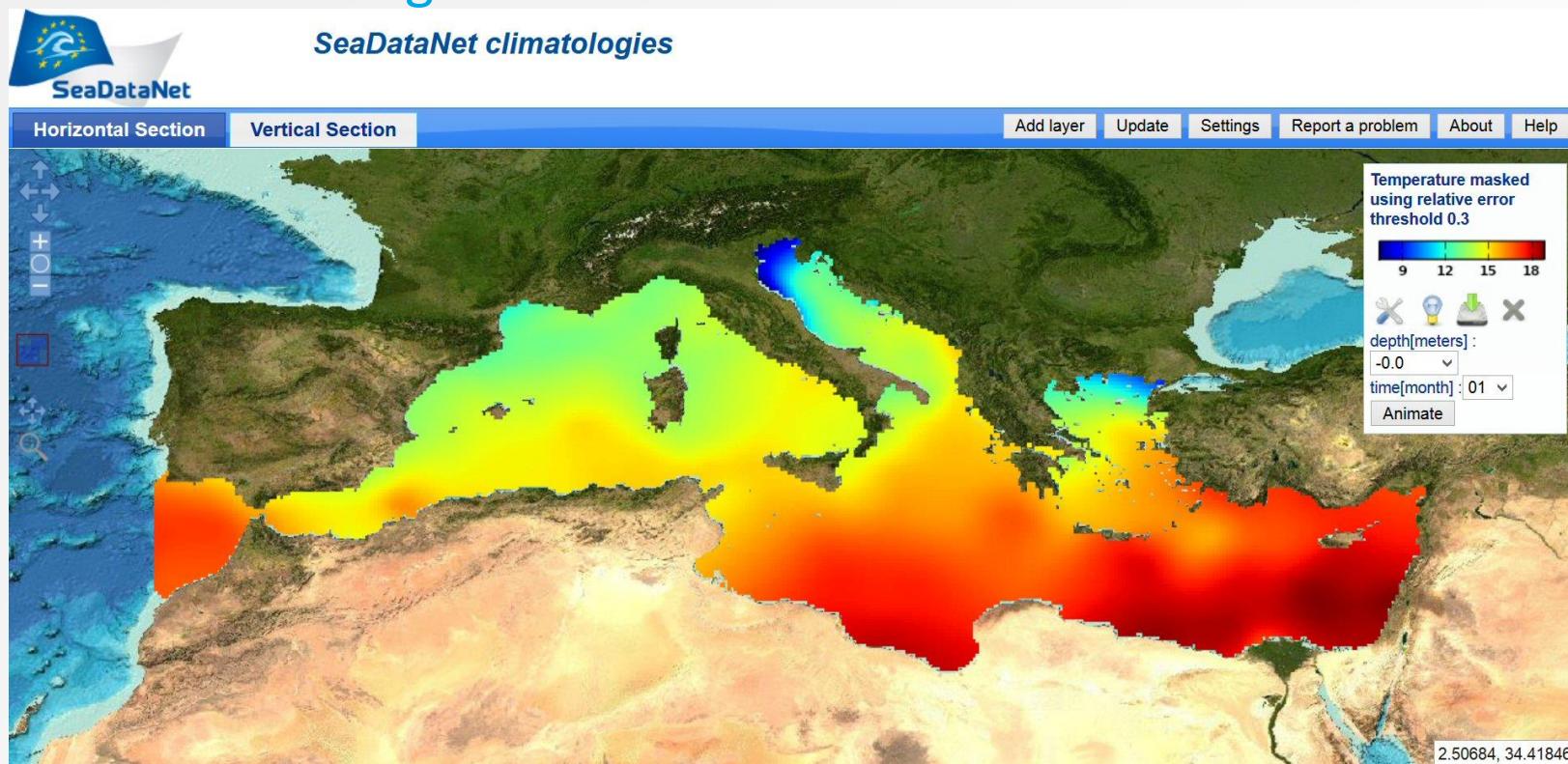
Publication of products – Aggregated datasets

to be made available online via **ODV-API** and binary collection file for **OCEANOTRON** server with OGC WMS, OGC SOS, OpenDAP interfacing for clients for analysis, sub-setting, visualisations, and extractions

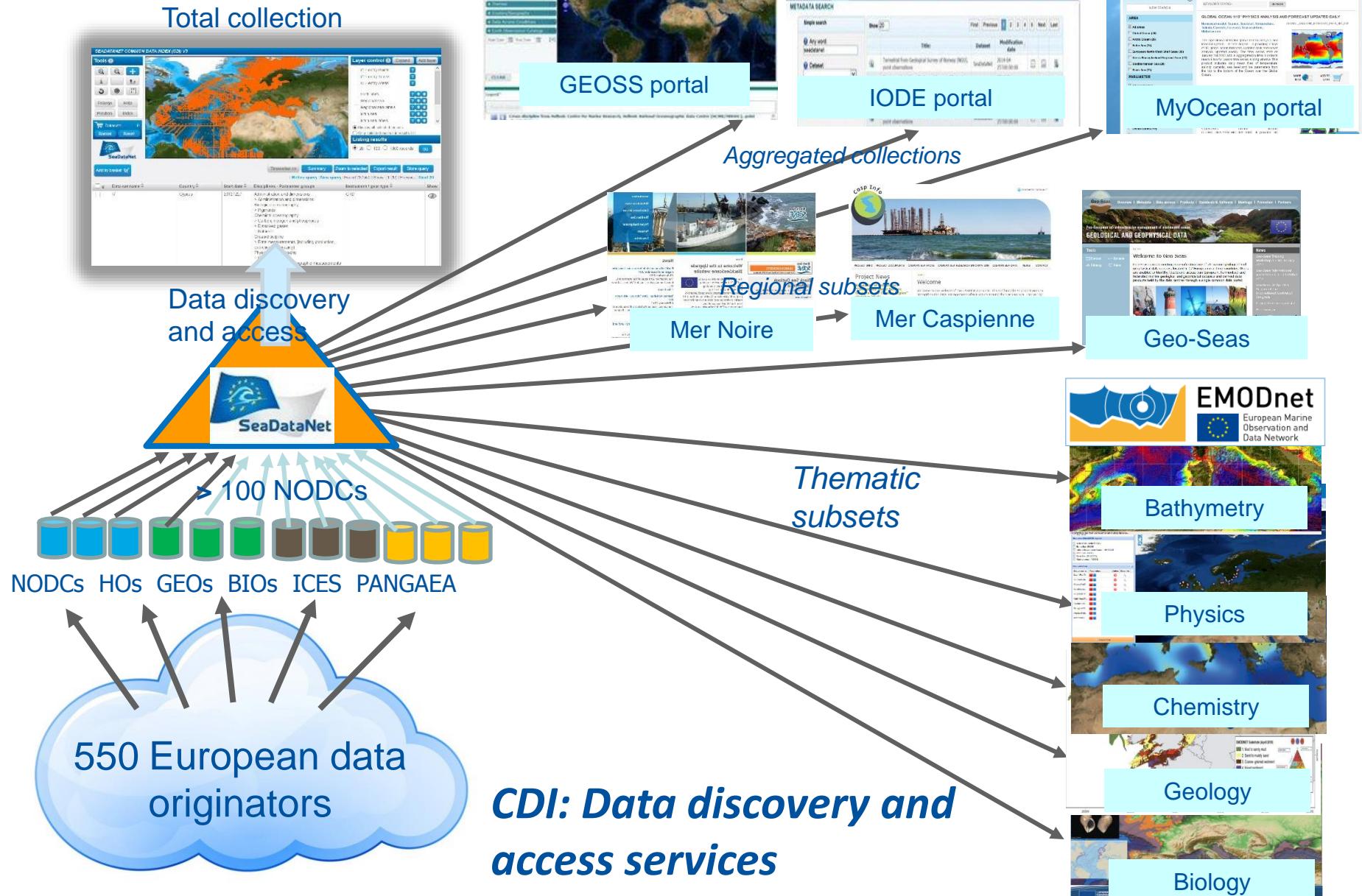


Publication of products - climatologies

- Oceanbrowser : Relations with data sets via CDIs
- Interaction with Sextant Catalogue for documentation and downloading



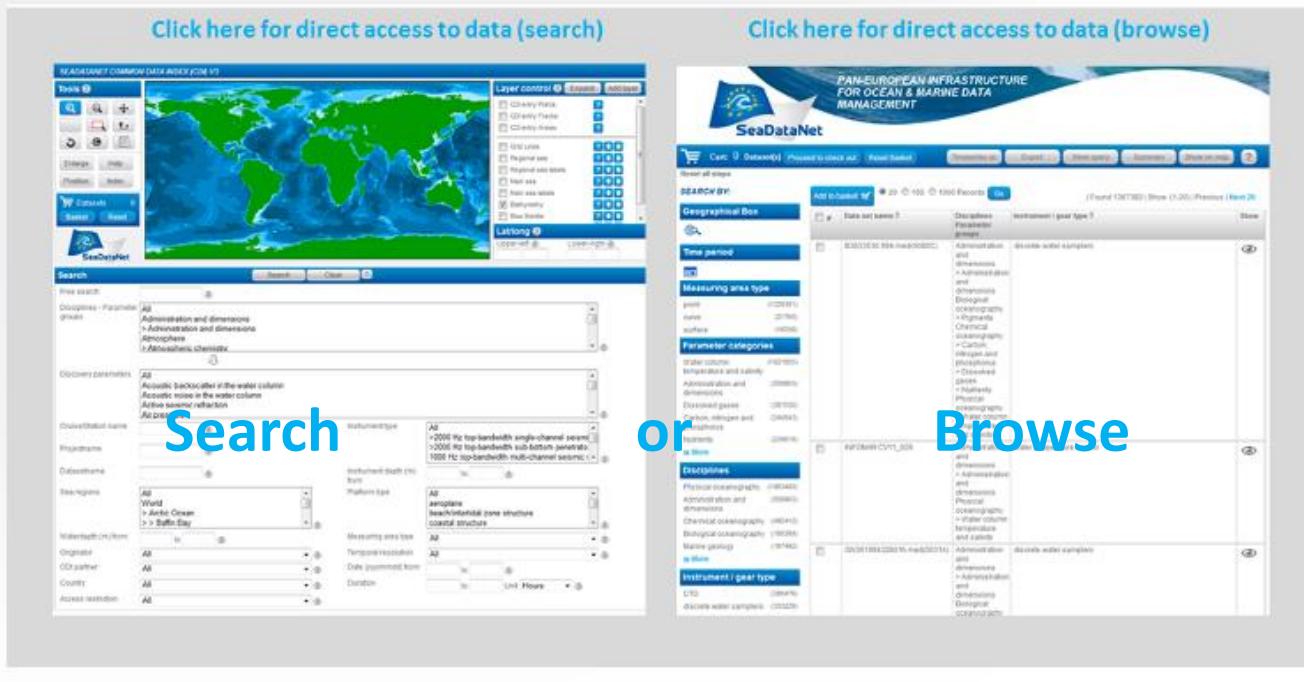
SeaDataNet as driver behind many portals



How to search data on SeaDataNet portal?

- <http://www.seadatanet.org> → Data Access
- 2 ways

DATA ACCESS SERVICES



The screenshot displays the SeaDataNet Data Access Services interface with two main sections:

Search: On the left, there is a map of the world with a layer control panel. Below the map are various search filters and parameters. Labels "Search" and "or" are overlaid on this section.

Browse: On the right, there is a list of data sets. Each entry includes a thumbnail, a title, and a brief description. Labels "Browse" and "or" are overlaid on this section.

Common Features: Both sections include a "Layer control" panel, a "Search" bar, and a "Browse" button. The top navigation bar includes links for "Data access", "Browse", "Discover", "Search", "Statistics", and "Documentation".

Search – Enter criterias

- Such as country, parameters, instrument type, platform type, period, geographical location.... And then search

SEADATANET COMMON DATA INDEX (CDI) V3

Search

Free search:

Disciplines - Parameter groups:

- All
- Administration and dimensions
 - > Administration and dimension
 - Atmosphere
 - > Atmospheric chemistry

Discovery parameters:

- All
- Acoustic backscatter in the water column
- Acoustic noise in the water column
- Active seismic refraction
- Air pressure

Cruise/Station name:

Projectname:

Instrument type: >2000 Hz top-bandwidth single-channel seismic
 >2000 Hz top-bandwidth sub-bottom penetrator
 1000 Hz top-bandwidth multi-channel seismic

Instrument depth (m) from: to

Datasetname:

Sea regions:

- All
- World
- > Arctic Ocean
- > > Baffin Bay

Platform type: aeroplane
 autonomous surface water vehicle
 autonomous underwater vehicle

Sea regions: World
 > Arctic Ocean
 > > Baffin Bay

Waterdepth (m) from: to

Originator:

CDI partner:

Measuring area type:

Temporal resolution:

Date (yyyymmdd) from: to

Duration: to Unit: Hours

Country: Ireland

Access restriction: All academic

Tools: 

Datasets: 0

Basket:

Position:

Help:

Index:

SeaDataNet: 

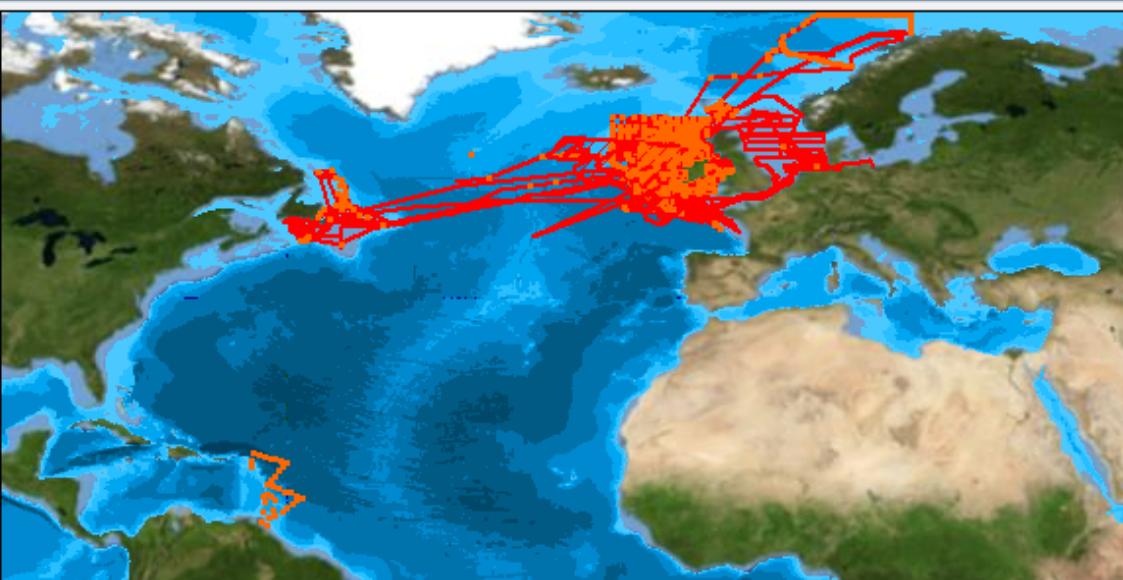
Tools ?



Datasets 0
Basket Reset



Add to basket



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

20 100 1000 records Go

Timeseries on Summary Zoom to selected Export result Store query

| Refine query | New query | Found 8163 | Show (1-20) | Previous | Next 20

#	Data set name ▾	Country ▾	Start date ▾	Disciplines - Parameter groups	Instrument / gear type ▾	Show
<input type="checkbox"/>	CE0920SeaTemperature	Ireland	20091216	Administration and dimensions -> Administration and dimensions Physical oceanography -> Water column temperature and salinity	thermosalinographs	
<input type="checkbox"/>	CE0919SeaTemperature	Ireland	20091202	Administration and dimensions -> Administration and dimensions Physical oceanography -> Water column temperature and salinity	thermosalinographs	
<input type="checkbox"/>	CE0918SeaTemperature	Ireland	20091029	Administration and dimensions -> Administration and dimensions Physical oceanography -> Water column temperature and salinity	thermosalinographs	
<input type="checkbox"/>	CE0917SeaTemperature	Ireland	20091008	Administration and dimensions -> Administration and dimensions Physical oceanography -> Water column temperature and salinity	thermosalinographs	
<input type="checkbox"/>	CE0916SeaTemperature	Ireland	20090925	Administration and dimensions -> Administration and dimensions Physical oceanography -> Water column temperature and salinity	thermosalinographs	



SUMMARY



SUMMARY

Per Discovery Parameter



Per Instrument/Type



Per Year



Per Year



2014

322

2013

731

2012

645

2011

483

2010

677

2009

771

2008

677

2007

642

2006

929

2005

1220

2004

546

2003

346

2002

96

2001

115

2000

118

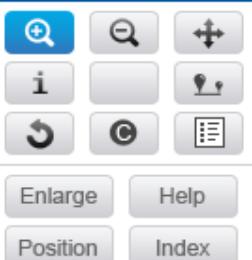
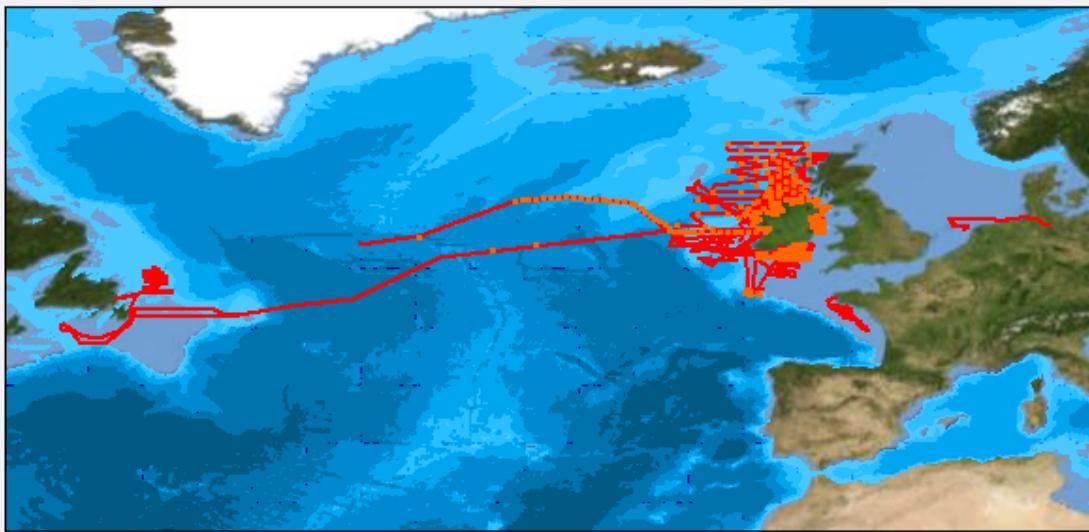
1999

75

1996

1

Tools ?


[Add to basket](#)


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

20 100 1000 records [Go](#)

[Timeseries on](#) [Summary](#) [Zoom to selected](#) [Export result](#) [Store query](#)

| [Refine query](#) | [New query](#) | Found 322 | Show (1-20) | Previous | Next 20

#	Data set name ▾	Country ▾	Start date ▾	Disciplines - Parameter groups	Instrument / gear type ▾	Show
<input type="checkbox"/>	CV14022SeaTemperature	Ireland	20140920	Administration and dimensions > Administration and dimensions Physical oceanography > Water column temperature and salinity	thermosalinographs	
<input type="checkbox"/>	CV14020SeaTemperature	Ireland	20140517	Administration and dimensions > Administration and dimensions Physical oceanography > Water column temperature and salinity	thermosalinographs	
<input type="checkbox"/>	CV14015SeaTemperature	Ireland	20140828	Administration and dimensions > Administration and dimensions Physical oceanography > Water column temperature and salinity	thermosalinographs	
<input type="checkbox"/>	CV14014SeaTemperature	Ireland	20140818	Administration and dimensions > Administration and dimensions Physical oceanography > Water column temperature and salinity	thermosalinographs	
<input type="checkbox"/>	CV14013SeaTemperature	Ireland	20140723	Administration and dimensions > Administration and dimensions Physical oceanography > Water column temperature and salinity	thermosalinographs	
<input type="checkbox"/>	CV14012SeaTemperature	Ireland	20140705	Administration and dimensions > Administration and dimensions Physical oceanography > Water column temperature and salinity	thermosalinographs	



SeaDataNet

SUMMARY



SUMMARY



FOR OCEAN & MARINE DATA
MANAGEMENT

SeaDataNet

Export



Per CDI Partner

Per Originator

Per Parameter Group

Per Discovery Parameter

Per Instrument/Type

Per Instrument/Type

Datasets

Duration in hours

Duration in days

Duration in years

CTD

291

5

0

0,00

thermosalinographs

31

9.575

399

1,09

Per Year



Per Data Access Restriction



Per Data Access Restriction

Datasets

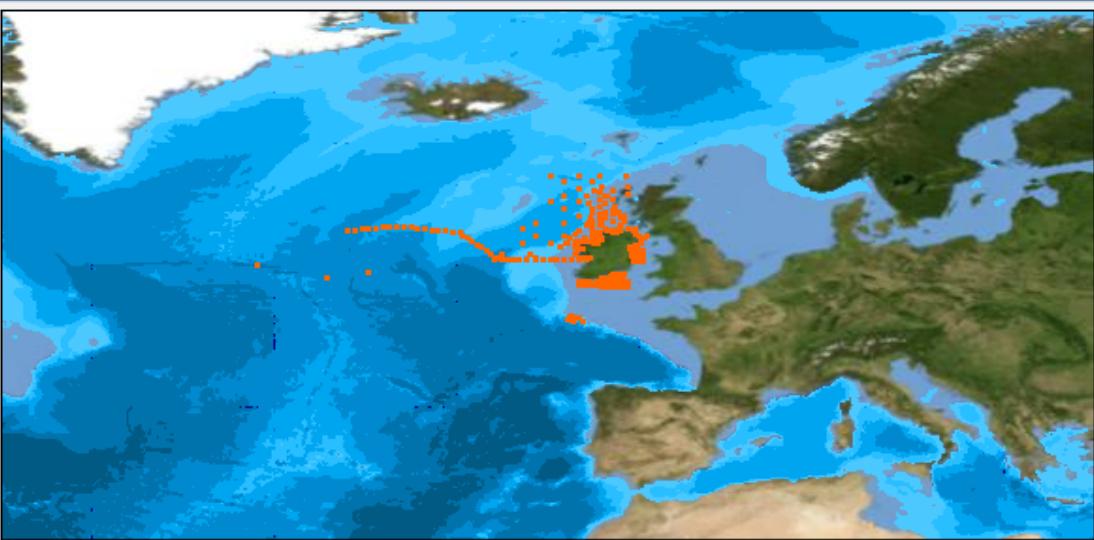
SeaDataNet licence

322

Tools ?



Add to basket



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

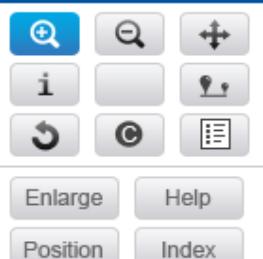
20 100 1000 records

Timeseries on Summary Zoom to selected Export result Store query

| [Refine query](#) | [New query](#) | Found 291 | Current | Previous | Next

#	Data set name ▲	Country ▲	Start date ▲	Disciplines - Parameter groups	Instrument / gear type ▲	Show
<input type="checkbox"/>	Marine Institute CTD	Ireland	20141023	Administration and dimensions > Administration and dimensions Physical oceanography > Other physical oceanographic measurements > Water column temperature and salinity	CTD	
<input type="checkbox"/>	Marine Institute CTD	Ireland	20141023	Administration and dimensions > Administration and dimensions Physical oceanography > Other physical oceanographic measurements > Water column temperature and salinity	CTD	
<input type="checkbox"/>	Marine Institute CTD	Ireland	20141023	Administration and dimensions > Administration and dimensions Physical oceanography > Other physical oceanographic measurements > Water column temperature and salinity	CTD	
<input type="checkbox"/>	Marine Institute CTD	Ireland	20141022	Administration and dimensions > Administration and dimensions Physical oceanography > Other physical oceanographic measurements > Water column temperature and salinity	CTD	

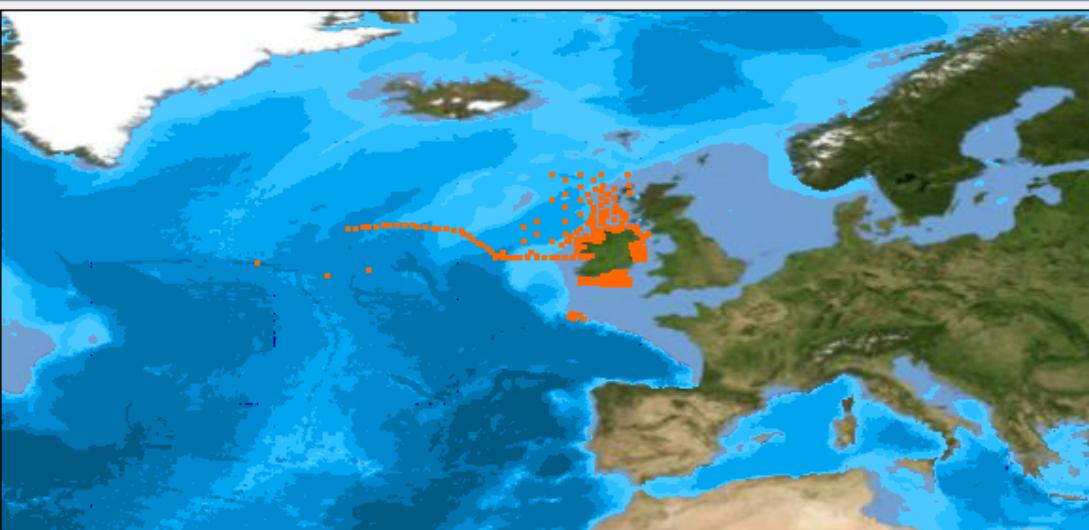
Tools ?



Datasets 0
Basket Reset



Add to basket



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

20 100 1000 records Go

| Refine query | New query | Found 291 | Current | Previous | Next

Timeseries on Summary Zoom to selected Export result Store query

#	Data set name	Country	Start date	Disciplines - Parameter groups	Instrument / gear type	Show
<input checked="" type="checkbox"/>	Marine Institute CTD	Ireland	20141023	Administration and dimensions > Administration and dimensions Physical oceanography > Other physical oceanographic measurements > Water column temperature and salinity	CTD	
<input checked="" type="checkbox"/>	Marine Institute CTD	Ireland	20141023	Administration and dimensions > Administration and dimensions Physical oceanography > Other physical oceanographic measurements > Water column temperature and salinity	CTD	
<input checked="" type="checkbox"/>	Marine Institute CTD	Ireland	20141023	Administration and dimensions > Administration and dimensions Physical oceanography > Other physical oceanographic measurements > Water column temperature and salinity	CTD	
<input checked="" type="checkbox"/>	Marine Institute CTD	Ireland	20141022	Administration and dimensions > Administration and dimensions Physical oceanography > Other physical oceanographic measurements > Water column temperature and salinity	CTD	

Tools ?



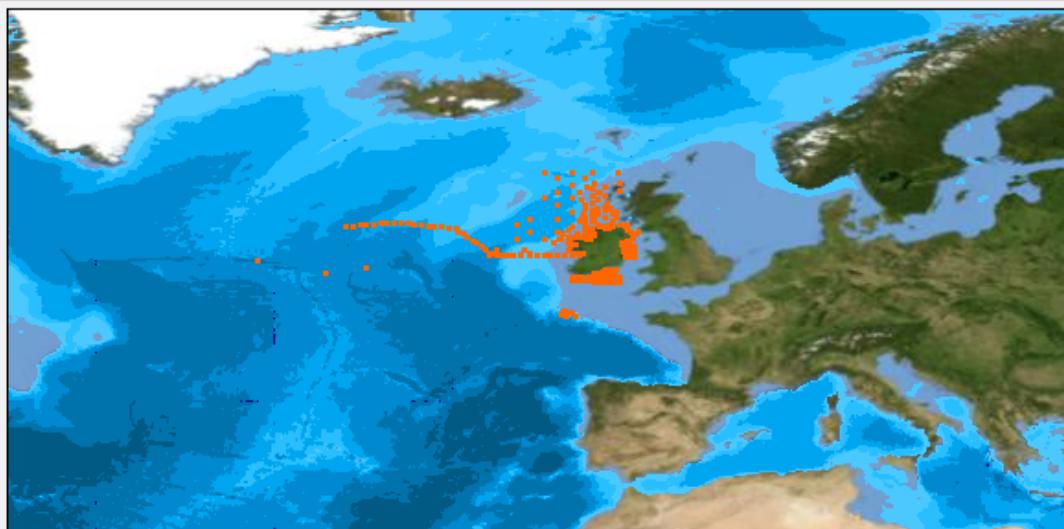
Enlarge Help

Position Index

Datasets 291

Basket Reset

Add to basket



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

20 100 1000 records **Go**

Timeseries on **Summary** Zoom to selected Export result Store query

| [Refine query](#) | [New query](#) | Found 291 | Current | Previous | Next

<input checked="" type="checkbox"/> #	Data set name ▾	Country ▾	Start date ▾	Disciplines - Parameter groups	Instrument / gear type ▾	Show
<input checked="" type="checkbox"/>	Marine Institute CTD	Ireland	20141023	Administration and dimensions > Administration and dimensions Physical oceanography > Other physical oceanographic measurements > Water column temperature and salinity	CTD	
<input checked="" type="checkbox"/>	Marine Institute CTD	Ireland	20141023	Administration and dimensions > Administration and dimensions Physical oceanography > Other physical oceanographic measurements > Water column temperature and salinity	CTD	
<input checked="" type="checkbox"/>	Marine Institute CTD	Ireland	20141023	Administration and dimensions > Administration and dimensions Physical oceanography > Other physical oceanographic measurements > Water column temperature and salinity	CTD	
<input checked="" type="checkbox"/>	Marine Institute CTD	Ireland	20141022	Administration and dimensions > Administration and dimensions Physical oceanography > Other physical oceanographic measurements > Water column temperature and salinity	CTD	

SeaDataNet

SHOPPING BASKET



PAN-EUROPEAN INFRASTRUCTURE FOR OCEAN & MARINE DATA MANAGEMENT

REQUESTING DATASETS

During this session you have selected a number of data sets. You can search and shop for more, up to 10.000 data sets, or continue the shopping dialogue by submitting your request list and having it processed. When submitting you will have to logon with your user registration details or register yourself first. Thereafter you can submit your request for further processing. You will then be notified by e-mail when and where you can follow the processing of your request list. This will be arranged by the Request Status Manager (RSM) service which also requires logon with your user registration details.

IMPORTANT NOTICE

Downloading of data sets is only possible for registered users.

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

You will be able to follow the progress of all your requests via your personal account in the Request Status Manager (RSM), using your user registration details.

[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 10000 data sets.

CDI-record id	Dataset Name	Status
1975429	Marine Institute CTD	SeaDataNet licence
1975810	Marine Institute CTD	SeaDataNet licence
1975811	Marine Institute CTD	SeaDataNet licence
1975812	Marine Institute CTD	SeaDataNet licence
1975813	Marine Institute CTD	SeaDataNet licence
1075014	Marine Institute CTD	SeaDataNet licence

SeaDataNet



SeaDataNet

PAN-EUROPEAN INFRASTRUCTURE
FOR OCEAN & MARINE DATA
MANAGEMENT

Operated in cooperation with



Black Sea
SCENE



EMODnet

Entrez votre identifiant et
votre mot de passe.

Pour des raisons de sécurité, veuillez vous déconnecter
et fermer votre navigateur lorsque vous avez fini
d'accéder aux services authentifiés.

Identifiant: mf01961

Mot de passe: *****

Prévenez-moi avant d'accéder à d'autres services.

SE CONNECTER

EFFACER

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

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 / City	29280 / Plouzané
Country	France
Telephone	+33(0)2 98 22 46 43
Role IDs	SDNR01;SDNR03;SDNR07
Role names	Administrator;Academic;partner

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

Text 474

Exemple for fixO3 Workshop

Submit request list

Reset

Cancel request



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 / City	29280 / 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 11179 has been submitted.

The processing of your request list will be arranged by the Request Status Manager (RSM) service which will require logon with your user registration details. Each CDI record indicates the condition of access of the associated dataset as set by the data set provider. Combined with your registered role as user 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 data set provider. This can be observed in the RSM.

Note that your request might concern several data set providers.

Check progress and download approved data sets from your personal order register (RSM).

You can log on using your user id and password.

If you have any suggestions or comments. Please, send us your feedback.

Feedback



RSM

Request Status Manager



PAN-EUROPEAN INFRASTRUCTURE
FOR OCEAN & MARINE DATA
MANAGEMENT

Operated in cooperation with



Continue ➔

Registered Users can check the progress of the processing of their dataset requests and download datasets to which they have been authorised.
SeaDataNet Data Centres can check the overall user statistics, such as number of dataset requests, downloads and more...



SeaDataNet



PAN-EUROPEAN INFRASTRUCTURE
FOR OCEAN & MARINE DATA
MANAGEMENT

Operated in cooperation with



Black Sea
SCENE



EMODnet

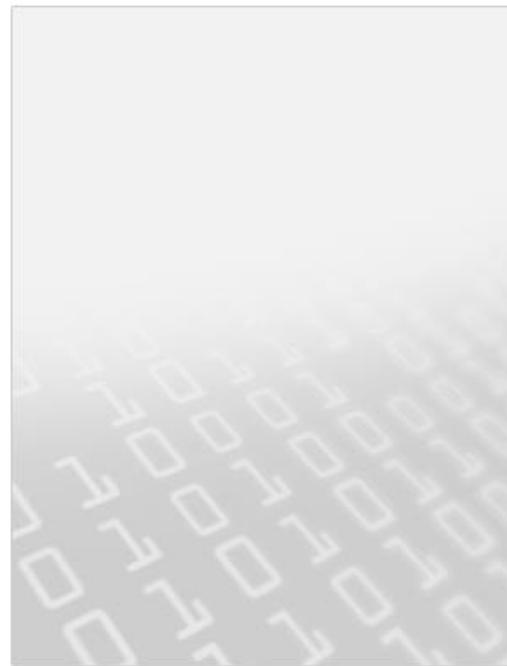


Request Status Manager Menu Options

User

Status of download requests

Status of seismic viewing requests





SeaDataNet

Request Status Manager



PAN-EUROPEAN INFRASTRUCTURE
FOR OCEAN & MARINE DATA
MANAGEMENT



Overview of your download requests and processing per Data Centre

Data centre	Country	Approval pending	Ready for user action	User action completed	Access denied	All
Environmental Protection Agency (EPA)	Lithuania			2		2
Management Unit of North Sea and Scheldt Estuary Mathematical Models, Belgian Marine Data Centre	Belgium			513		513
Scientific - Research Firm "GAMMA"	Georgia			12		12
Odessa National I.I.Mechnikov University	Ukraine			25		25
National Institute of Meteorology and Hydrology, Bulgarian Academy of Sciences	Bulgaria			2		2
Institute of Biology of the Southern Seas, NAS of Ukraine	Ukraine			4		4
Sinop University, Fisheries Faculty	Turkey			60		60
Karadeniz Technical University, Faculty of Marine Sciences	Turkey			662	2	664
Department of Navigation and Hydrography and Oceanography, Turkish Navy	Turkey				2	2
International Council for the Exploration of the Sea (ICES)	Denmark			3		3
Marine Hydrophysical Institute	Ukraine			39	200	239
International Ocean Institute - Malta Operational Centre (University Of Malta) / Physical Oceanograph	Malta			40		40
Institute of Oceanography and Fisheries	Croatia			49		49
Latvian Institute of Aquatic Ecology	Latvia			22		22
National Institute for Marine Research and Development "Grigore Antipa"	Romania			16		16
Iv.Javakhishvili Tbilisi State University, Centre of Relations with UNESCO Oceanological Research Ce	Georgia			2577		2577
All-Russia Research Institute of Hydrometeorological Information - World Data Centre (RIHMI-WDC) Nat	Russian Federation			187	21	208
Royal Netherlands Meteorological Institute	Netherlands			2		2
NIOZ Royal Netherlands Institute for Sea Research	Netherlands			703		703
IHPT, Hydrographic Institute	Portugal			208		208
Swedish Meteorological and Hydrological Institute	Sweden			3		3
SHOM (SERVICE HYDROGRAPHIQUE ET OCEANOGRAPHIQUE DE LA MARINE)	France			26		26
IFREMER / DM / SISMED - Scientific Information Systems for the SEA	France			22	13279	36
Marine Institute	Ireland	291		52	3	346



SeaDataNet

Request Status Manager



PAN-EUROPEAN INFRASTRUCTURE
FOR OCEAN & MARINE DATA
MANAGEMENT

Operated in cooperation with



Overview of your download requests and processing per Data Centre

Data centre ▾	Country ▾	Approval pending ▾	Ready for user action ▾	User action completed ▾	Access denied ▾	All ▾
Environmental Protection Agency (EPA)	Lithuania			2		2
Management Unit of North Sea and Scheldt Estuary Mathematical Models, Belgian Marine Data Centre	Belgium			513		513
Scientific - Research Firm "GAMMA"	Georgia			12		12
Odessa National I.I.Mechnikov University	Ukraine			25		25
National Institute of Meteorology and Hydrology, Bulgarian Academy of Sciences	Bulgaria			2		2
Institute of Biology of the Southern Seas, NAS of Ukraine	Ukraine			4		4
Sinop University, Fisheries Faculty	Turkey			60		60
Karadeniz Technical University, Faculty of Marine Sciences	Turkey			662	2	664
Department of Navigation and Hydrography and Oceanography, Turkish Navy	Turkey				2	2
International Council for the Exploration of the Sea (ICES)	Denmark			3		3
Marine Hydrophysical Institute	Ukraine			39	200	239
International Ocean Institute - Malta Operational Centre (University Of Malta) / Physical Oceanograph	Malta			40		40
Institute of Oceanography and Fisheries	Croatia			49		49
Latvian Institute of Aquatic Ecology	Latvia			22		22
National Institute for Marine Research and Development "Grigore Antipa"	Romania			16		16
Iv.Javakhishvili Tbilisi State University, Centre of Relations with UNESCO Oceanological Research Ce	Georgia			2577		2577
All-Russia Research Institute of Hydrometeorological Information - World Data Centre (RIHMI-WDC) Nat	Russian Federation			187	21	208
Royal Netherlands Meteorological Institute	Netherlands			2		2
NIOZ Royal Netherlands Institute for Sea Research	Netherlands			703		703
IHPT, Hydrographic Institute	Portugal			208		208
Swedish Meteorological and Hydrological Institute	Sweden			3		3
SHOM (SERVICE HYDROGRAPHIQUE ET OCEANOGRAPHIQUE DE LA MARINE)	France			26		26
Marine Institute	Ireland		291	52	3	346



SeaDataNet

[Home](#) [Help](#) [Logout](#)

Request Status Manager



PAN-EUROPEAN INFRASTRUCTURE
FOR OCEAN & MARINE DATA
MANAGEMENT

Operated in cooperation with

Overview of your download requests and processing per Data Centre

Ready for downloading at selected data centre

| Download selected datasets in zip file



| 25 50 100 1000 RECORDS

Go

| FOUND 291 | SHOW (1-25) | PREVIOUS | [NEXT 25](#) | [Back](#)

Marine Institute							Status: Ready for user action
Dataset CDI-ID	Dataset name	Request-ID	Request-key	Request date	Last update	Format	
2131371	Marine Institute CTD	6446230	11179	2015-04-14	2015-04-14	ODV	
2131370	Marine Institute CTD	6446229	11179	2015-04-14	2015-04-14	ODV	
2131369	Marine Institute CTD	6446228	11179	2015-04-14	2015-04-14	ODV	
2131368	Marine Institute CTD	6446227	11179	2015-04-14	2015-04-14	ODV	
2131367	Marine Institute CTD	6446226	11179	2015-04-14	2015-04-14	ODV	
2131366	Marine Institute CTD	6446225	11179	2015-04-14	2015-04-14	ODV	
2131365	Marine Institute CTD	6446224	11179	2015-04-14	2015-04-14	ODV	
2131364	Marine Institute CTD	6446223	11179	2015-04-14	2015-04-14	ODV	
2131363	Marine Institute CTD	6446222	11179	2015-04-14	2015-04-14	ODV	
2131362	Marine Institute CTD	6446221	11179	2015-04-14	2015-04-14	ODV	
2131361	Marine Institute CTD	6446220	11179	2015-04-14	2015-04-14	ODV	
2131360	Marine Institute CTD	6446219	11179	2015-04-14	2015-04-14	ODV	
2131359	Marine Institute CTD	6446218	11179	2015-04-14	2015-04-14	ODV	
2131358	Marine Institute CTD	6446217	11179	2015-04-14	2015-04-14	ODV	
2131357	Marine Institute CTD	6446216	11179	2015-04-14	2015-04-14	ODV	
2131356	Marine Institute CTD	6446215	11179	2015-04-14	2015-04-14	ODV	
2131355	Marine Institute CTD	6446214	11179	2015-04-14	2015-04-14	ODV	
2131354	Marine Institute CTD	6446213	11179	2015-04-14	2015-04-14	ODV	
2131353	Marine Institute CTD	6446212	11179	2015-04-14	2015-04-14	ODV	
2131352	Marine Institute CTD	6446211	11179	2015-04-14	2015-04-14	ODV	
2131351	Marine Institute CTD	6446210	11179	2015-04-14	2015-04-14	ODV	
2131350	Marine Institute CTD	6446209	11179	2015-04-14	2015-04-14	ODV	
2131349	Marine Institute CTD	6446208	11179	2015-04-14	2015-04-14	ODV	



SeaDataNet

SeaDataNet Download Manager at Data Centre - Mozilla Firefox

cdi.marine.ie/dm/userPage?user_id=mf01961&ticket=ST-10271-TZdEGf4OgINBbh3aMZd6-auth.ifremer.fr

User: mf01961

Downloads

Zipfile name	Download	Remove from this list, once download complete
usermf01961-data_centre396-2015-04-14_result.zip	Download	Today ZIP file can not be removed to avoid technical issues.

Visualizations

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](#)



SeaDataNet

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

51/64

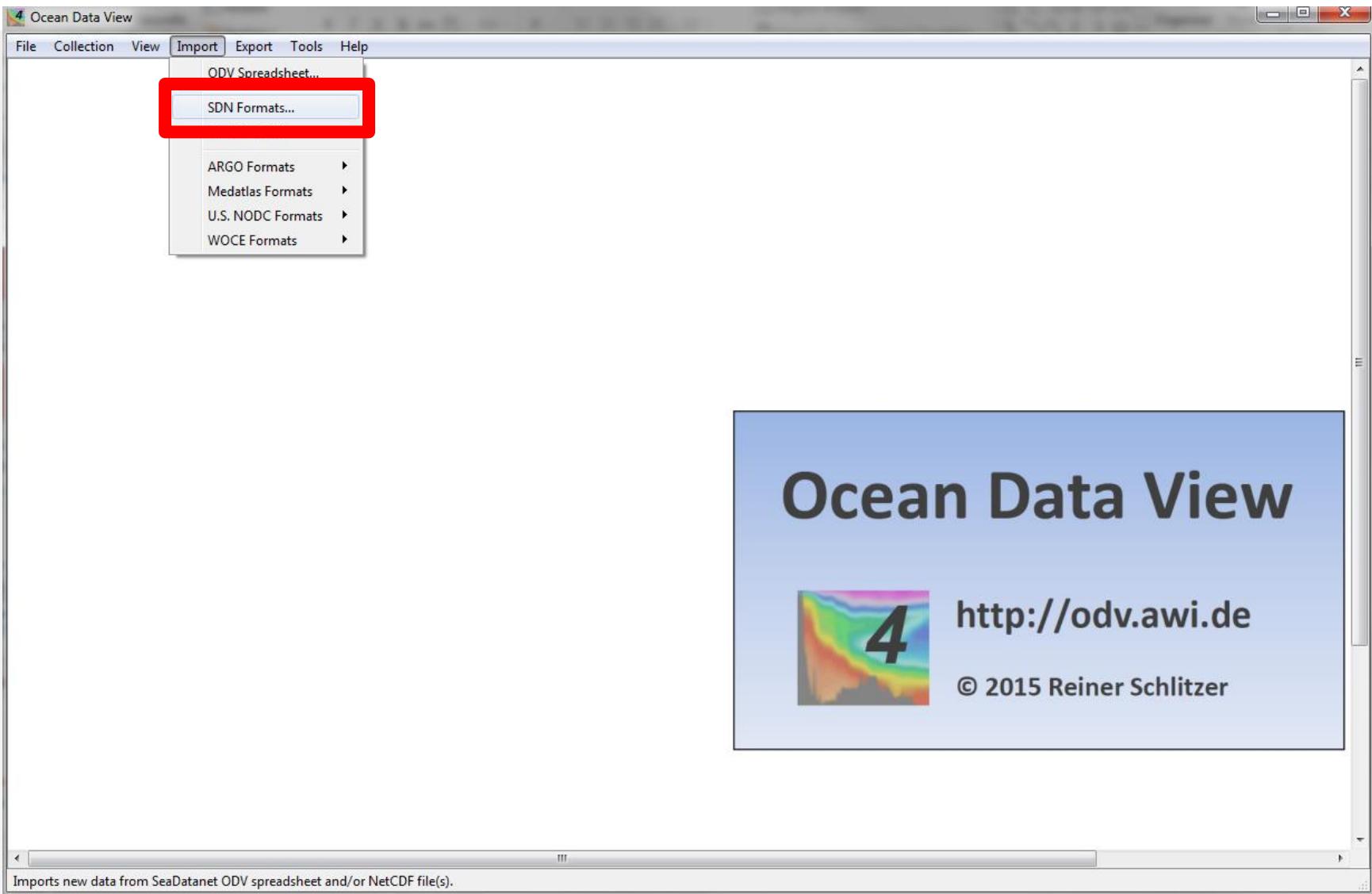
FixO³ workshop, Bremen, April 15-16, 2015

Ocean Data View

File Collection View Import Export Tools Help

ODV Spreadsheet...
SDN Formats...

ARGO Formats
Medatlas Formats
U.S. NODC Formats
WOCE Formats



Ocean Data View



<http://odv.awi.de>
© 2015 Reiner Schlitzer

Imports new data from SeaDataNet ODV spreadsheet and/or NetCDF file(s).

4 Ocean Data View

File Collection View Import Export Tools Help

4 Select SDN File(s)...

Ordinateur > TI31332700A (C:) > tmp >

Rechercher dans : tmp

Organiser Nouveau dossier

Favoris Bureau Emplacements récents Téléchargements Coordination TTG7_Trieste_03_2015 SC8 Athens April 2015 tmp 20141028_iberyan_macaronesia test logiciels test_logiciels Depot_de_donnees ownCloud SC8 Athens April 2015 (2) FixO3-2015-04

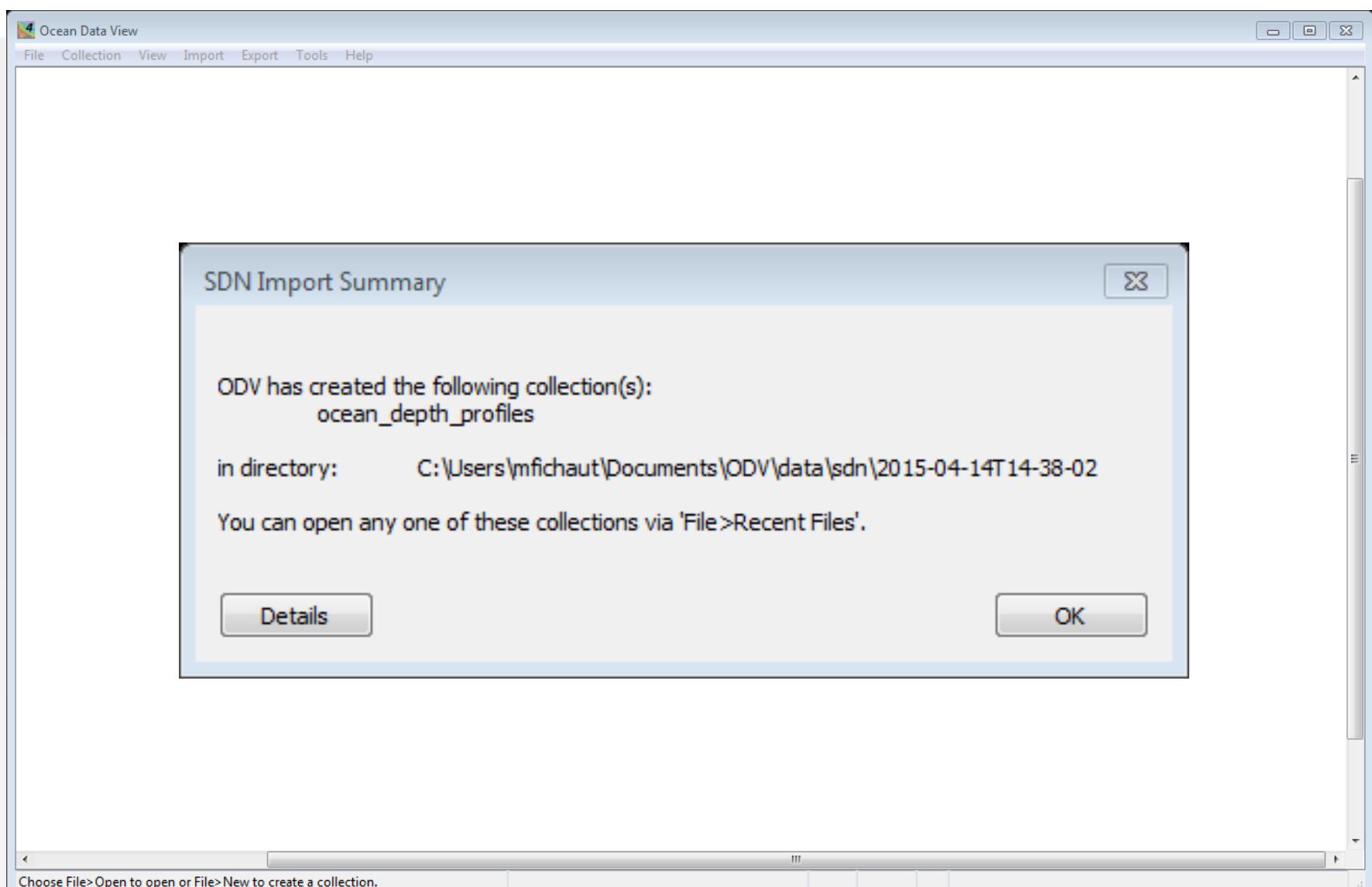
FreeCommanderXE_setup.zip install_Med2MedSDN_1.2.3_windows64bits.zip install_MedSDN2CFPOINT_1.0.5_windows64bits.zip install_nemo_1.5.4_windows64.zip install_nemo_1.6.0_windows64.zip install_OdvSDN2CFPoint_1.0.4_windows64bits.zip model_NOx_PHOS_SLCA_AMON.txt NetCDFViewer.zip ODV_4.6.3.3_bin_w64.zip PHOS_FB35195695142_20150203.txt photosRestaurant.zip photosRestaurant[1].zip PRESPO1.zip PRESPO2.zip readme.adcp.txt SDN2_D95_CDI_machine_interfaces.zip SplitterTest_1.3.2_windows64bits.zip test logiciels toto.txt turbin_gros_adcp.txt turbin_gros_adcp.zip turbin_petit_adcp.txt usermf01961-data_centre43-2015-04-08_result.zip usermf01961-data_centre396-2015-04-14_result.zip usermf01961-data_centre486-2014-09-23_result.zip usermf01961-data_centre486-2015-03-24_result.zip usermf01961-data_centre486-2015-04-09_result.zip usermf01961-data_centre486-2015-04-09_result_netcdf.zip usermf01961-data_centre486-2015-04-09_result_ODV.zip usermf01961-data_centre486-2015-04-13_result.zip usermf01961-data_centre540 vocab_l22.csv vocab_p02.csv windiff.zip

Nom du fichier : usermf01961-data_centre396-2015-04-14_result.zip

SDN Files (*.zip *.txt *.csv *.nc)

Ouvrir Annuler

Choose File>Open to open or File>New to create a collection.



4 Ocean Data View

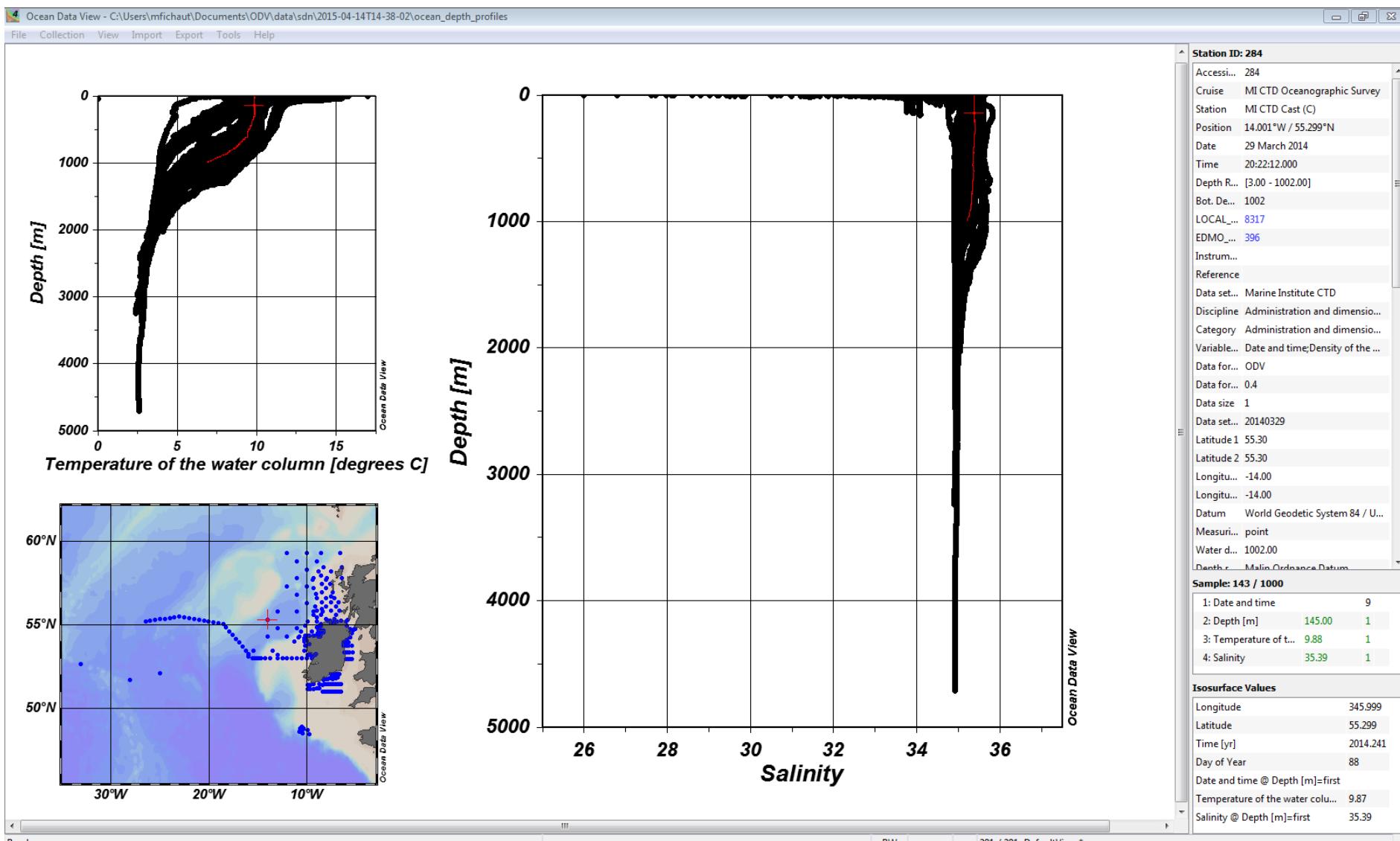
File Collection View Import Export Tools Help

New... Ctrl+N
Open... Ctrl+O
Open Remote...
Close Ctrl+F4
Execute Batch File...
Save Map As... Ctrl+S
Print Canvas... Ctrl+P
Print Preview Of Canvas... Shift+P

Recent Files

1 C:\Users\mfichaut\Documents\ODV\data\sdn\2015-04-14T14-38-02\ocean_depth_profiles.odv
2 C:\tmp\aggregated_dataset\SDN_2014-03_TS_BalticSea_QC_done_v1.1.odv
3 C:\Users\mfichaut\Documents\ODV\data\sdn\2015-04-09T15-21-49\time_series.odv
4 C:\Users\mfichaut\Documents\ODV\data\sdn\2015-04-09T15-09-37\time_series.odv
5 C:\Users\mfichaut\Documents\ODV\data\sdn\2015-04-08T11-02-17\ocean_depth_profiles.odv
6 C:\...\SDN_2014-03_TS_Black_Sea_QCed.odv
7 C:\tmp\aggregated_dataset\SDN_2014-03_TS_Black_Sea_QC_done_v1.1.odv
8 C:\Users\mfichaut\Documents\ODV\data\sdn\2015-03-24T18-02-55\time_series.odv
9 C:\tmp\aggregated_dataset\SDN_2014-03_TS_Arctic_QC_done_v1.1.odv
10 C:\tmp\aggregated_dataset\SDN_2014-03_TS_MedSea_QC_done_v1.1.odv
11 C:\tmp\aggregated_dataset\SDN_2014-03_TS_Atlantic_QC_done_v1.1.odv
12 C:\...\collection_MinimumObservationDepth.odv
13 C:\...\collection_MinimumObservationDepth.odv
14 C:\...\collection_MinimumObservationDepth.odv
15 C:\...\collection_MinimumObservationDepth.odv

Opens the selected ODV collection or netCDF file.



Browse – navigate into the full collection

- And progressively reduce the number of CDIs which you need

Cart: 0 Dataset(s)
[Proceed to check out](#)
[Reset Basket](#)
[Timeseries on](#)
[Export](#)
[Store query](#)
[Summary](#)
[Show on map](#)
[?](#)

[Reset all steps](#)

SEARCH BY:

Geographical Box

Time period

Measuring area type

point	(1670164)
curve	(22858)
surface	(21383)

Parameter categories

Water column	(1286699)
temperature and salinity	
Administration and dimensions	(679535)
Dissolved gases	(505856)
Carbon, nitrogen and phosphorus	(346995)
Nutrients	(333154)
» More	

Disciplines

Physical oceanography	(1330255)
Administration and dimensions	(679535)
Chemical oceanography	(658555)
Biological oceanography	(261712)
Marine geology	(201671)
» More	

Add to basket 20 100 1000 Records [Go](#)

| Found 1714405 | Show (1-20) | Previous | [Next 20](#)

<input type="checkbox"/>	#	Data set name	Disciplines - Parameter groups	Instrument / gear type	Show
<input type="checkbox"/>	#	2014002300.bot (00245)	Administration and dimensions > Administration and dimensions Biological oceanography > Pigments Chemical oceanography > Carbon, nitrogen and phosphorus > Carbonate system > Nutrients	discrete water samplers	
<input type="checkbox"/>	#	2014002300.bot (00244)	Administration and dimensions > Administration and dimensions Biological oceanography > Pigments Chemical oceanography > Carbon, nitrogen and phosphorus > Nutrients	discrete water samplers	
<input type="checkbox"/>	#	2014002300.bot (00243)	Administration and dimensions > Administration and dimensions Biological oceanography > Pigments Chemical oceanography > Carbon, nitrogen and phosphorus > Nutrients	discrete water samplers	
<input type="checkbox"/>	#	2014002300.bot (00242)	Administration and dimensions > Administration and dimensions Biological oceanography > Pigments Chemical oceanography > Carbon, nitrogen and phosphorus > Nutrients	discrete water samplers	
<input type="checkbox"/>	#	2014002300.bot (00241)	Administration and dimensions > Administration and dimensions Biological oceanography > Pigments Chemical oceanography > Carbon, nitrogen and phosphorus > Nutrients	discrete water samplers	

Instrument / gear type					
CTD	(555650)		2014002300.bot (00240)	Administration and dimensions -> Administration and dimensions Biological oceanography -> Pigments Chemical oceanography -> Carbon, nitrogen and phosphorus -> Carbonate system -> Nutrients	discrete water samplers
discrete water samplers	(470347)		2014002300.bot (00239)	Administration and dimensions -> Administration and dimensions Biological oceanography -> Pigments Chemical oceanography -> Carbon, nitrogen and phosphorus -> Nutrients	discrete water samplers
bathythermographs	(212434)		2014002300.bot (00238)	Administration and dimensions -> Administration and dimensions Biological oceanography -> Pigments Chemical oceanography -> Carbon, nitrogen and phosphorus -> Nutrients	discrete water samplers
salinity sensor	(141195)		2014002300.bot (00237)	Administration and dimensions -> Administration and dimensions Biological oceanography -> Pigments Chemical oceanography -> Carbon, nitrogen and phosphorus -> Nutrients	discrete water samplers
water temperature sensor	(98838)		2014002300.bot (00236)	Administration and dimensions -> Administration and dimensions Biological oceanography -> Pigments Chemical oceanography -> Carbon, nitrogen and phosphorus -> Nutrients	discrete water samplers
» More			2014002300.bot (00235)	Administration and dimensions -> Administration and dimensions Biological oceanography -> Pigments Chemical oceanography -> Carbon, nitrogen and phosphorus -> Nutrients	discrete water samplers
CDI-partner					
IFREMER / IDM / SISMER	(248266)		2014002300.bot (00234)	Administration and dimensions -> Administration and dimensions Biological oceanography -> Pigments Chemical oceanography -> Carbon, nitrogen and phosphorus -> Nutrients	discrete water samplers
- Scientific Information Systems for the SEA			2014002300.bot (00233)	Administration and dimensions -> Administration and dimensions Biological oceanography -> Pigments Chemical oceanography -> Carbon, nitrogen and phosphorus -> Nutrients	discrete water samplers
Aarhus University, Department of Bioscience, Marine Ecology Roskilde	(223349)				
SHOM (SERVICE HYDROGRAPHIQUE ET OCEANOGRAPHIQUE DE LA MARINE)	(164968)				
All-Russia Research Institute of Hydrometeorological Information - World Data Centre (RIHMI-WDC)	(119329)				
National Oceanographic Data Centre (NODC)					
Institute of Marine Research - Norwegian Marine Data Centre (NMD)	(107829)				
» More					
Country					
France	(426177)		2014002300.bot (00232)	Administration and dimensions -> Administration and dimensions Biological oceanography -> Pigments Chemical oceanography -> Carbon, nitrogen and phosphorus -> Nutrients	discrete water samplers
Denmark	(251171)		2014002300.bot (00231)	Administration and dimensions -> Administration and dimensions Biological oceanography -> Pigments Chemical oceanography -> Carbon, nitrogen and phosphorus -> Nutrients	discrete water samplers
Russian Federation	(138042)		2014002300.bot (00230)	Administration and dimensions -> Administration and dimensions Biological oceanography -> Pigments Chemical oceanography -> Carbon, nitrogen and phosphorus -> Nutrients	discrete water samplers
Ukraine	(134125)		2014002300.bot (00229)	Administration and dimensions -> Administration and dimensions Biological oceanography -> Pigments Chemical oceanography -> Carbon, nitrogen and phosphorus -> Nutrients	discrete water samplers
United Kingdom	(123194)		2014002300.bot (00228)	Administration and dimensions -> Administration and dimensions Biological oceanography -> Pigments Chemical oceanography -> Carbon, nitrogen and phosphorus -> Carbonate system -> Nutrients	discrete water samplers
» More			2014002300.bot (00227)	Administration and dimensions -> Administration and dimensions Biological oceanography -> Pigments Chemical oceanography -> Carbon, nitrogen and phosphorus -> Nutrients	discrete water samplers
Data Holding centre					
IFREMER / IDM / SISMER	(248807)		2014002300.bot (00226)	Administration and dimensions -> Administration and dimensions Biological oceanography -> Pigments Chemical oceanography -> Carbon, nitrogen and phosphorus -> Nutrients	discrete water samplers
- Scientific Information Systems for the SEA			2014002300.bot (00225)	Administration and dimensions -> Administration and dimensions Biological oceanography -> Pigments Chemical oceanography -> Carbon, nitrogen and phosphorus -> Nutrients	discrete water samplers
Aarhus University, Department of Bioscience, Marine Ecology Roskilde	(223349)		2014002300.bot (00224)	Administration and dimensions -> Administration and dimensions Biological oceanography -> Pigments Chemical oceanography -> Carbon, nitrogen and phosphorus -> Nutrients	discrete water samplers

Data Holding centre			> Carbonate system > Nutrients	
IFREMER / IDM / SISMER (248807) - Scientific Information Systems for the SEA Aarhus University, Department of Bioscience, Marine Ecology Roskilde SHOM (SERVICE HYDROGRAPHIQUE ET OCEANOGRAPHIQUE DE LA MER) All-Russia Research Institute of Hydrometeorological Information - World Data Centre (RIHMI-WDC) National Oceanographic Data Centre (NODC) Institute of Marine Research - Norwegian Marine Data Centre (NMD)	(223349) (165348) (119329) (107829) » More	<input type="checkbox"/>	2014002300.bot (00233) Administration and dimensions > Administration and dimensions Biological oceanography > Pigments Chemical oceanography > Carbon, nitrogen and phosphorus > Nutrients	discrete water samplers 
		<input type="checkbox"/>	2014002300.bot (00232) Administration and dimensions > Administration and dimensions Biological oceanography > Pigments Chemical oceanography > Carbon, nitrogen and phosphorus > Nutrients	discrete water samplers 
		<input type="checkbox"/>	2014002300.bot (00231) Administration and dimensions > Administration and dimensions Biological oceanography > Pigments Chemical oceanography > Carbon, nitrogen and phosphorus > Nutrients	discrete water samplers 
		<input type="checkbox"/>	2014002300.bot (00230) Administration and dimensions > Administration and dimensions Biological oceanography > Pigments Chemical oceanography > Carbon, nitrogen and phosphorus > Nutrients	discrete water samplers 
		<input type="checkbox"/>	2014002300.bot (00229) Administration and dimensions > Administration and dimensions Biological oceanography > Pigments Chemical oceanography > Carbon, nitrogen and phosphorus > Carbonate system > Nutrients	discrete water samplers 
		<input type="checkbox"/>	2014002300.bot (00228) Administration and dimensions > Administration and dimensions Biological oceanography > Pigments Chemical oceanography > Carbon, nitrogen and phosphorus > Nutrients	discrete water samplers 
Parameters Temperature of the water (1244676) column Salinity of the water column (990109) Vertical spatial coordinates (596560) Dissolved oxygen parameters in the water column (504367) Phosphate concentration parameters in the water column (319028) » More		<input type="checkbox"/>	2014002300.bot (00227) Administration and dimensions > Administration and dimensions Biological oceanography > Pigments Chemical oceanography > Carbon, nitrogen and phosphorus > Nutrients	discrete water samplers 
		<input type="checkbox"/>	2014002300.bot (00226) Administration and dimensions > Administration and dimensions Biological oceanography > Pigments Chemical oceanography > Carbon, nitrogen and phosphorus > Nutrients	discrete water samplers 
		<input type="checkbox"/>	2014002300.bot (00225) Administration and dimensions > Administration and dimensions Biological oceanography > Pigments Chemical oceanography > Carbon, nitrogen and phosphorus > Nutrients	discrete water samplers 
		<input type="checkbox"/>	2014002300.bot (00224) Administration and dimensions > Administration and dimensions Biological oceanography > Pigments Chemical oceanography > Carbon, nitrogen and phosphorus > Nutrients	discrete water samplers
Sea regions				
Northeast Atlantic Ocean (225397) (40W) North Sea (179359) Black Sea (155616) Central Baltic Sea (103910)		<input type="checkbox"/>	Kattegat (84185) Norwegian Sea (152715) Mediterranean Sea, Western Basin (60234)	discrete water samplers 

Reset all steps > Kattegat ✖

SEARCH BY:

Add to basket

 20 100 1000 Records Go

| Found 84185 | Show (1-20) | Previous | Next 20

Geographical Box

Time period

Measuring area type

- | | |
|---------|---------|
| point | (84001) |
| curve | (125) |
| surface | (59) |

Parameter categories

- | | |
|--------------------------|----------------|
| Dissolved gases | (53398) |
| Water column | (51665) |
| temperature and salinity | |
| Carbon, nitrogen and | (31886) |
| Nutrients | (31618) |
| Pigments | (24657) |

[» More](#)
Disciplines

- | | |
|-------------------------|---------|
| Chemical oceanography | (63838) |
| Physical oceanography | (51760) |
| Biological oceanography | (29464) |
| Terrestrial | (7647) |
| Marine geology | (7588) |

[» More](#)
Instrument / gear type

- | | |
|-------------------------|---------|
| CTD | (40091) |
| discrete water samplers | (37592) |
| benthos samplers | (4617) |

#	Data set name ▾	Disciplines - Parameter groups	Instrument / gear type ▾	Show
<input type="checkbox"/>	sediment_SE-13_20080523	Chemical oceanography > Hydrocarbons > Metal and metalloid concentrations > Other inorganic chemical measurements > Other organic chemical measurements > PCBs and organic micropollutants Environment > Anthropogenic contamination > Construction and structures Marine geology > Rock and sediment chemistry > Rock and sediment physical properties > Sediment pore water chemistry Terrestrial > Rock and sediment chemistry > Rock and sediment physical properties	unknown	
<input type="checkbox"/>	Mytilus_edulis_30709_20121212	Biological oceanography > Biota composition Chemical oceanography > Biota composition > Hydrocarbons > Metal and metalloid concentrations > PCBs and organic micropollutants Environment > Anthropogenic contamination	unknown	
<input type="checkbox"/>	Mytilus_edulis_30709_20111014	Biological oceanography > Biota composition > Other biological measurements > Zooplankton Chemical oceanography > Biota composition > Metal and metalloid concentrations Environment > Anthropogenic contamination Fisheries and aquaculture > Fisheries	unknown	
<input type="checkbox"/>	Mytilus_edulis_30709_20111008	Biological oceanography > Biota composition > Other biological measurements > Zooplankton Chemical oceanography	unknown	

Reset all steps > Kattegat > Nutrients

SEARCH BY:
Geographical Box

Time period

Measuring area type

point (31618)

Parameter categories

Carbon, nitrogen and phosphorus (31606)

Pigments (23975)

Dissolved gases (21721)

Water column temperature and salinity (9493)

Carbonate system (1497)

[» More](#)
Disciplines

Chemical oceanography (31618)

Biological oceanography (23975)

Physical oceanography (9493)

Administration and dimensions (603)

Cross-discipline (2)

Instrument / gear type

discrete water samplers (31610)

CTD (595)

nutrient analysers (8)

CDI-partner

Aarhus University, Department of Bioscience, Marine Ecology Roskilde (22055)

Swedish Meteorological and Hydrological Institute (8560)

International Council for the Exploration of the Sea (ICES) (595)

 Add to basket 20 100 1000 Records Go

| Found 31618 | Show (1-20) | Previous | Next 20

<input type="checkbox"/>	#	Data set name ▾	Disciplines - Parameter groups	Instrument / gear type ▾	Show
<input type="checkbox"/>		Bottle and Low Resolution CTD Data	Administration and dimensions > Administration and dimensions Biological oceanography > Pigments Chemical oceanography > Carbon, nitrogen and phosphorus > Dissolved gases > Nutrients Physical oceanography > Water column temperature and salinity	CTD, discrete water samplers	
<input type="checkbox"/>		Bottle and Low Resolution CTD Data	Administration and dimensions > Administration and dimensions Biological oceanography > Pigments Chemical oceanography > Carbon, nitrogen and phosphorus > Dissolved gases > Nutrients Physical oceanography > Water column temperature and salinity	CTD, discrete water samplers	
<input type="checkbox"/>		Bottle and Low Resolution CTD Data	Administration and dimensions > Administration and dimensions Chemical oceanography > Carbon, nitrogen and phosphorus > Nutrients Physical oceanography > Water column temperature and salinity	CTD, discrete water samplers	
<input type="checkbox"/>		Bottle and Low Resolution CTD Data	Administration and dimensions > Administration and dimensions Biological oceanography > Pigments Chemical oceanography > Carbon, nitrogen and phosphorus > Dissolved gases > Nutrients Physical oceanography > Water column temperature and salinity	CTD, discrete water samplers	
<input type="checkbox"/>		Bottle and Low Resolution CTD Data	Administration and dimensions > Administration and dimensions Chemical oceanography > Carbon, nitrogen and phosphorus > Nutrients Physical oceanography > Water column temperature and salinity	CTD, discrete water samplers	
<input type="checkbox"/>		Bottle and Low Resolution CTD Data	Administration and dimensions > Administration and dimensions Biological oceanography > Pigments Chemical oceanography > Carbon, nitrogen and phosphorus	CTD, discrete water samplers	



Cart: 0 Dataset(s) Proceed to check out

Reset Basket

Timeseries on

Export

Store query

Summary

Show on map



Reset all steps > Kattegat > Nutrients > International Council for the Exploration of the Sea (ICES)

SEARCH BY:

Add to basket

(radio buttons) 20 100 1000 Records Go

| Found 595 | Show (1-20) | Previous | Next 20

Geographical Box



Time period

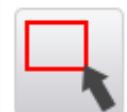


Measuring area type

<input type="checkbox"/>	#	Data set name ▾	Disciplines - Parameter groups	Instrument / gear type ▾	Show
<input type="checkbox"/>		Bottle and Low Resolution CTD Data	Administration and dimensions > Administration and dimensions Biological oceanography > Pigments Chemical oceanography > Carbon, nitrogen and phosphorus > Dissolved gases	CTD, discrete water samplers	

SET GEOGRAPHICAL BOX SELECTION CRITERIA

Tools



Layer control

- CDI entry Points
- CDI entry Tracks
- CDI entry Areas

- Selected so far
- World
- Bathymetry

Search

International Council for the Exploration of the Sea (ICES)	<input type="checkbox"/>		> Carbon, nitrogen and phosphorus > Nutrients Physical oceanography > Water column temperature and salinity		
Parameters					
Vertical spatial coordinates (595)	<input type="checkbox"/>	Bottle and Low Resolution CTD Data	Administration and dimensions > Administration and dimensions Biological oceanography > Pigments Chemical oceanography	CTD, discrete water samplers	
Temperature of the water (595)					



Cart: 0 Dataset(s) Proceed to check out

Reset Basket

Timeseries on

Export

Store query

Summary

Show on map



Reset all steps > Kattegat > Nutrients > International Council for the Exploration of the Sea (ICES)

SEARCH BY:

Add to basket

 20 100 1000 Records Go
| Found 595 | Show (1-20) | Previous | [Next 20](#)

Geographical Box



Time period



Measuring area type

point (595)

Parameter categories

Water column temperature and salinity (595)

Administration and dimensions (595)

Carbon, nitrogen and phosphorus (584)

Dissolved gases (376)

Pigments (93)

Disciplines

Chemical oceanography (595)

Physical oceanography (595)

Administration and dimensions (595)

Biological oceanography (93)

Instrument / gear type

CTD (595)

discrete water samplers (595)

Country

Denmark (595)

Data Holding centre

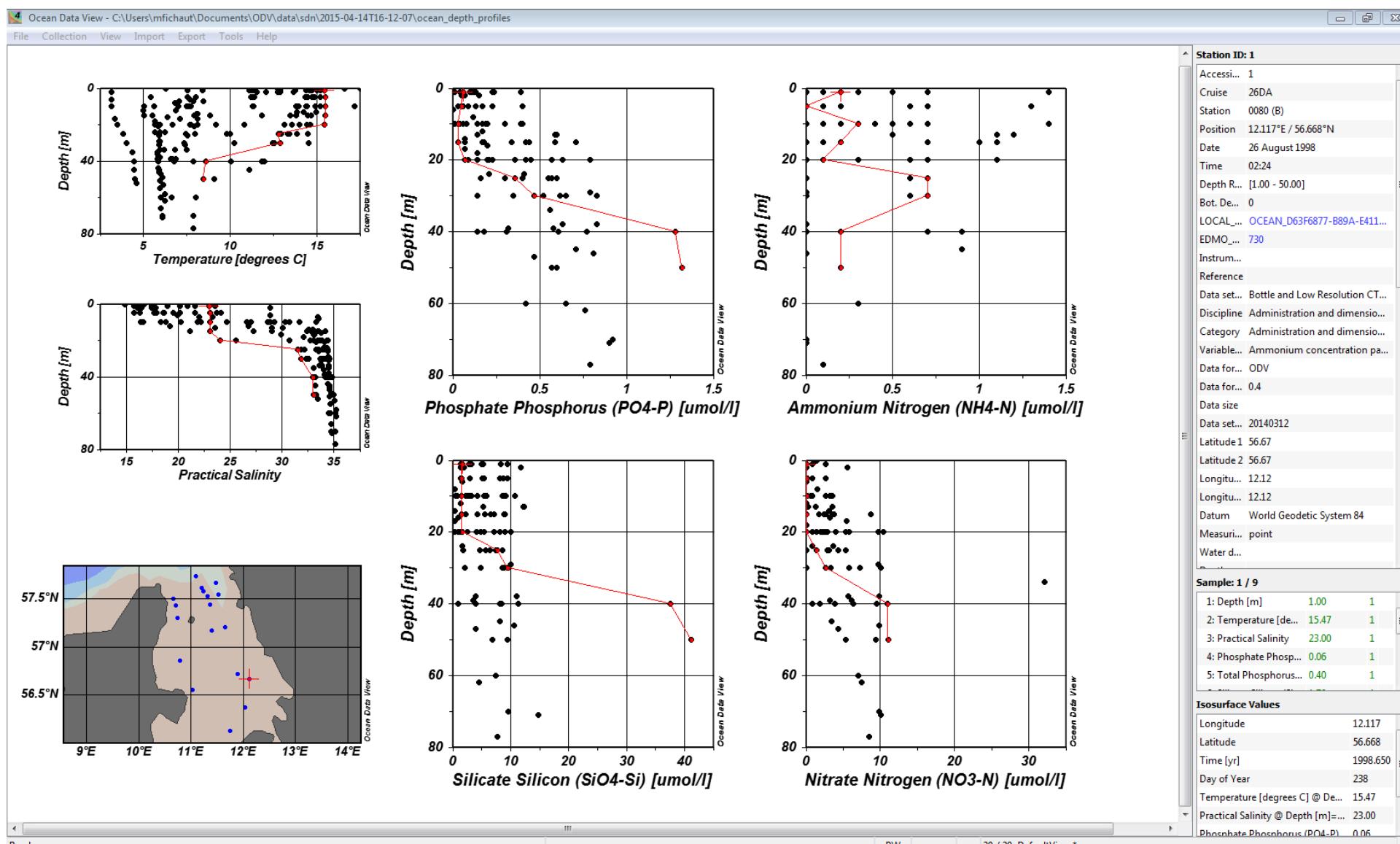
International Council for the Exploration of the Sea (ICES) (595)

Parameters

Vertical spatial coordinates (595)

Temperature of the water (595)

#	Data set name ▾	Disciplines - Parameter groups	Instrument / gear type ▾	Show
<input checked="" type="checkbox"/>	Bottle and Low Resolution CTD Data	Administration and dimensions -> Administration and dimensions Biological oceanography -> Pigments Chemical oceanography -> Carbon, nitrogen and phosphorus -> Dissolved gases -> Nutrients Physical oceanography -> Water column temperature and salinity	CTD, discrete water samplers	
<input checked="" type="checkbox"/>	Bottle and Low Resolution CTD Data	Administration and dimensions -> Administration and dimensions Biological oceanography -> Pigments Chemical oceanography -> Carbon, nitrogen and phosphorus -> Dissolved gases -> Nutrients Physical oceanography -> Water column temperature and salinity	CTD, discrete water samplers	
<input checked="" type="checkbox"/>	Bottle and Low Resolution CTD Data	Administration and dimensions -> Administration and dimensions Chemical oceanography -> Carbon, nitrogen and phosphorus -> Nutrients Physical oceanography -> Water column temperature and salinity	CTD, discrete water samplers	
<input checked="" type="checkbox"/>	Bottle and Low Resolution CTD Data	Administration and dimensions -> Administration and dimensions Biological oceanography -> Pigments Chemical oceanography -> Carbon, nitrogen and phosphorus -> Dissolved gases -> Nutrients Physical oceanography -> Water column temperature and salinity	CTD, discrete water samplers	
<input checked="" type="checkbox"/>	Bottle and Low Resolution CTD Data	Administration and dimensions -> Administration and dimensions Chemical oceanography -> Carbon, nitrogen and phosphorus -> Nutrients Physical oceanography -> Water column temperature and salinity	CTD, discrete water samplers	
<input checked="" type="checkbox"/>	Bottle and Low Resolution CTD Data	Administration and dimensions -> Administration and dimensions Biological oceanography -> Pigments Chemical oceanography -> Carbon, nitrogen and phosphorus -> Dissolved gases -> Nutrients Physical oceanography -> Water column temperature and salinity	CTD, discrete water samplers	
<input checked="" type="checkbox"/>	Bottle and Low Resolution CTD Data	Administration and dimensions -> Administration and dimensions Biological oceanography -> Pigments Chemical oceanography -> Carbon, nitrogen and phosphorus -> Dissolved gases -> Nutrients Physical oceanography -> Water column temperature and salinity	CTD, discrete water samplers	





Merci!

<http://www.seadatanet.org>

<http://www.seadatanet.org/Data-Access>

http://seadatanet.maris2.nl/v_cdi_v3/search.asp