



Geo-Seas

**Pan-European infrastructure for management of
marine and ocean geological and geophysical data**

Geo-Seas portal Data Discovery and Access Service



By

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e-infrastructure



- Provide users access to harmonised marine geological and geophysical **metadata and observation data sets** in common, standard formats and ready for use, through a **single data portal**.

BY

- **Interconnecting** the national marine geological and geophysical data centres of 17 European coastal countries and their data management systems, by **adopting and adapting** the SeaDataNet infrastructure approach, architecture and middleware components.

- Provide users with a number of dedicated geological and geophysical **data tools and services** following a user survey


BY

- Developing downloadable **software packages and online services** for **analysing and visualising data sets** as retrieved from the Geo-Seas portal


Portal with harmonised services and tools for users and data centres



Geo-Seas



Overview | Metadata | Data access | Products | Standards & Software | Meetings | Promotion | Partners



Pan-European infrastructure for management of marine and ocean
GEOLOGICAL AND GEOPHYSICAL DATA


Tools

- Contact
- Extranet
- Sitemap
- Home

Home

Welcome to Geo-Seas

Geo-Seas is implementing an e-infrastructure of 26 marine geological and geophysical data centres, located in 17 European maritime countries. Users are enabled to identify, locate and access pan-European, harmonised and federated marine geological and geophysical datasets and derived data products held by the data centres through a single common data portal.



The aims of Geo-Seas are aligned with European directives and recent large-scale framework programmes on global and European scales, such as GEOSS and GMES, EMODNET and INSPIRE.

News


International Conference - 9-10 October 2012 - PROGRAMME and FINAL ANNOUNCEMENT now available

Geo-Seas International workshop - 9 & 10 October 2012

Geo-Seas at the 34th Session of the International Geological Congress

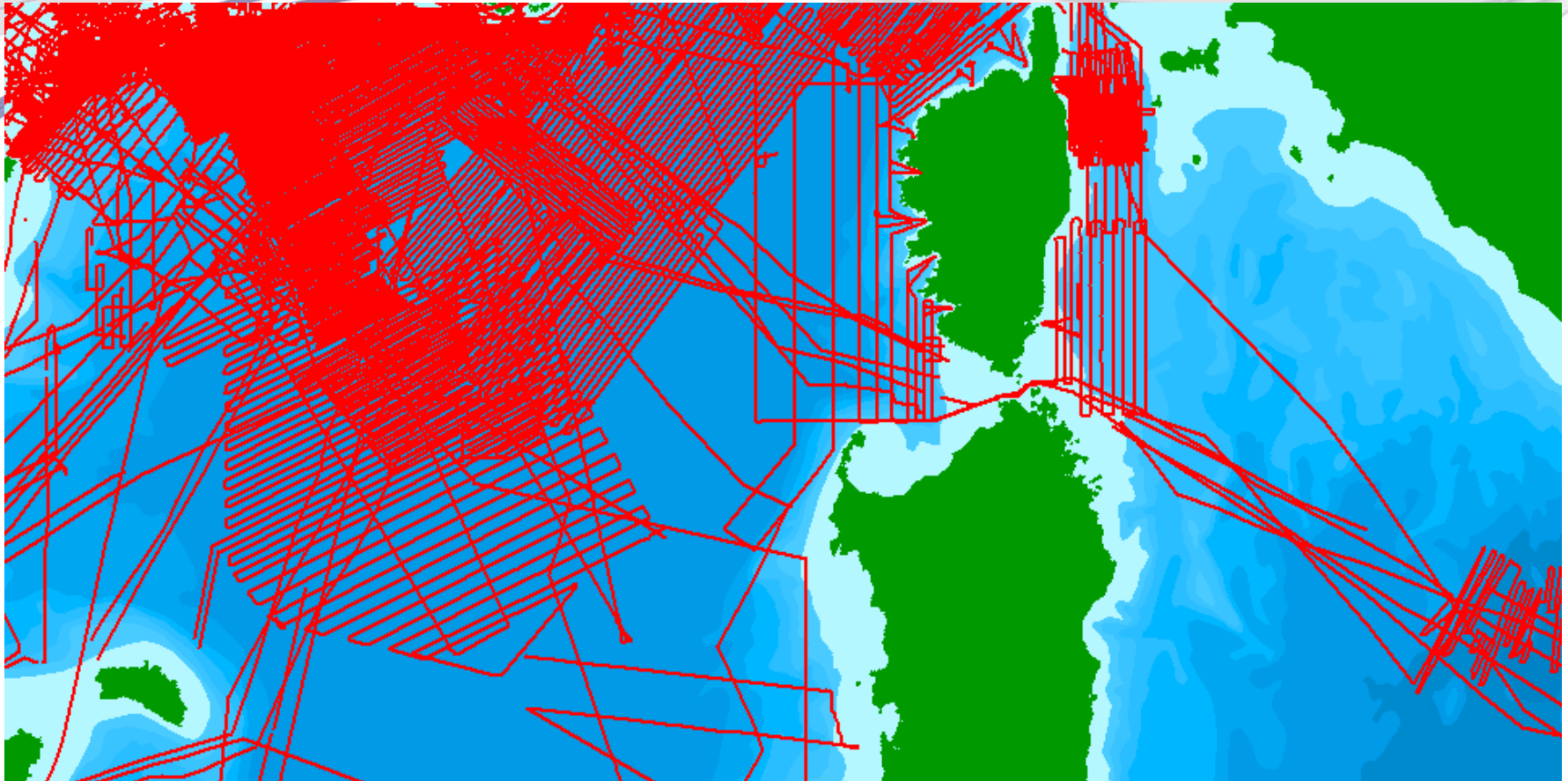
Project Review successful

More news »



© BGS

- SeaDataNet has developed the Common Data Index (CDI) service as a Data Discovery and Access service, giving descriptions of distributed data sets and their access conditions
- The CDI metadata format is a profile of ISO 19115 for describing marine observation data. It is fully compliant with data discovery services as defined by INSPIRE and includes a pointer to the data access services
- As part of Geo-Seas this CDI format has been adopted and adapted, enriching its basis, and making it now fit for describing also observations for geological and geophysical data types.






















CDI format has been enriched with GML for supporting tracks and Polygons; Example with bathymetric surveys







- The CDI gives answers to the following basic questions:
 - Where?
 - When?
 - What?
 - How?
 - Who?
 - Where to find data?
 - Other relevant information?
 - Other relevant services?
- A few CDI fields are free text but the majority of fields is described with controlled terms from Common Vocabularies, ensuring harmonisation of metadata





- SeaDataNet maintains Common Vocabularies as lists of standardised terms that cover a broad spectrum of disciplines of relevance to the oceanographic and wider community, such as parameters, disciplines, sea area names, platform classes, instrument types, units, and so on.
- Geo-Seas has expanded these lists with many additional terms for the geological and geophysical domains. This was also done by adopting specific vocabularies from the international GeoSciML project.













DS04









Marine geology 

P031	Entrykey	Entryterm
	GPYS	Field geophysics 
	G030	Geochronology and stratigraphy 
	GTHM	Geothermal measurements 
	G005	Gravity, magnetics and bathymetry 
	H003	Palaeoclimate 
	G055	Rock and sediment biota 
	G035	Rock and sediment chemistry 
	G045	Rock and sediment lithology and mineralogy 
	G040	Rock and sediment physical properties 

P021	Entrykey	Entryterm
	DBDX	Geological sample density 
	XMGS	Geological sample magnetic, electrical and acoustic properties 
	GTCH	Geotechnics 

P011	Entrykey	Entryterm
	CSTRENZZ	Compressive strength (unconfined) of the sediment by hand penetrometer 
	CONEMXDP	Maximum penetration depth of cone in sediment by cone penetrometer 
	CONEVELX	Penetration velocity of cone in sediment by cone penetrometer 
	SSTRENZZ	Shear strength (undrained) of the sediment by hand shear vane 

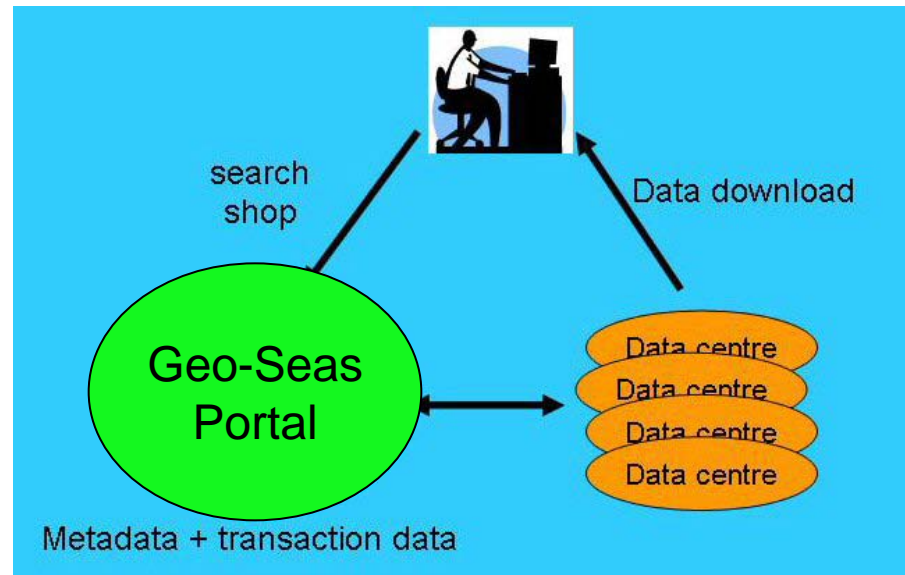
	ROGS	Rock grain size 
	RPER	Rock porosity and permeability 
	RTCO	Rock thermal conductivity 
	MNGS	Sediment grain size parameters 
	STCO	Sediment thermal conductivity 
	WCWT	Sediment water content, porosity and surface area 

	GSED	Rock and sediment sedimentology 
	G050	Sediment pore water chemistry 
	G060	Sedimentation and erosion processes 
	G012	Sonar and seismics 

Example of Parameter Vocabulary list

- The CDI catalogue describes individual data measurements (such as a grab sample or core or seismic survey line).
- It also provides a unique interface for getting access to the data sets themselves, that are managed in the distributed Geo-Seas data centres

**Search – Find – Bind
principle**



CDI Data Discovery and Access Service implementation



Geo-Seas

- 26 marine geological and geophysical data centres, located in 17 European coastal countries, have been connected to the Geo-Seas infrastructure
- This included installing local software, mapping local metadata and vocabs to the common Geo-Seas models, converting local data sets to common Geo-Seas formats, and preparing metadata and data entries.
- This also included developing the dedicated Geo-Seas CDI Data Discovery and Access service at the Geo-Seas portal



NERC BGS (UK)

NERC BODC (UK)

EGK (Estonia)

LIGG (Lithuania)

IFREMER (France)

BRGM (France)

TNO (Netherlands)

BSH (Germany)

IGME (Spain)

LNEG (Portugal)

IGME (Greece)

CNRS (France)

BGR (Germany)

NGU (Norway)

PGI (Poland)

GEUS (Denmark)

LU (Latvia)

IO-BAS (Bulgaria)

NOA (Greece)

CEFAS (UK)

MUMM (Belgium)

UB (Spain)

UCC (Ireland)

GSI (Ireland)

OGS (Italy)

SHOM (France)

CDI Data Discovery and Access Service implementation



Geo-Seas

- These **26** Geo-Seas Data Centres now deliver data, originating from their own institutes and from other parties in their countries, directly through the Geo-Seas CDI Data Discovery and Access service;
- At present in excess of **75,000** metadata records and corresponding data sets are available via the Geo-Seas portal; these are derived from seabed sediment samples, boreholes, borehole samples, geophysical surveys (seismic, gravity, magnetic) of the seabed and sub-seabed, cone penetration tests, and sidescan sonar surveys



e-infrastructure



Data Shopping Mechanism



Geo-Seas

Step 1

Search



Step 2

Shop



Step 3

Order/Checkout



Step 4

Confirm your
userid-password



Step 5

View progress online



Step 6

Data download



e-infrastructure

- **Metadata**
 - free and open access, no registration required
- **Data access services**
 - Users must register once for a personal login - password
 - Users agree with “**Geo-Seas User Licence**”
 - This safeguards the rights and obligations of both the users and the data providers
 - This facilitates the follow-up of a user request to multiple data centres (asynchronous processing)
 - This drives the access decision based upon combination of the ‘type of user’ as registered and the ‘data access restriction’ label as included in each CDI record. This results in ‘**access OK**’, ‘**access to be negotiated**’ or ‘**access denied**’.

CDI Search and Shopping Dialogue at the portal



Geo-Seas

GEO-SEAS COMMON DATA INDEX (CDI) V2

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

[Reset all steps](#)

Search by: [Add to basket](#) [20](#) [50](#) [100](#) Records [Go](#) | Found 75685 | Show (1-20) | Previous | [Next 20](#)

<input type="checkbox"/>	#	Data set name ↕	Variables measured	Instrument / gear type ↕	Show
<input type="checkbox"/>		FC-79-3/L-W/Uniboom	Marine geology > Sonar and seismics > Field geophysics	Boomer	Show
<input type="checkbox"/>		FC-79-3/L-V/Uniboom	Marine geology > Sonar and seismics > Field geophysics	Boomer	Show
<input type="checkbox"/>		FC-79-3/L-T/Uniboom	Marine geology > Sonar and seismics > Field geophysics	Boomer	Show
<input type="checkbox"/>		FC-79-3/L-R/Uniboom	Marine geology > Sonar and seismics > Field geophysics	Boomer	Show
<input type="checkbox"/>		FC-79-3/L-P2/Uniboom	Marine geology > Sonar and seismics > Field geophysics	Boomer	Show
<input type="checkbox"/>		FC-79-3/L-P1/Uniboom	Marine geology > Sonar and seismics > Field geophysics	Boomer	Show
<input type="checkbox"/>		FC-79-3/L-O/Uniboom	Marine geology > Sonar and seismics > Field geophysics	Boomer	Show

Geographical Box

Time period

Measuring area type

- point (61503)
- curve (7629)
- surface (6553)

Parameter categories

- Rock and sediment lithology and mineralogy (29849)
- Rock and sediment chemistry (21093)
- Rock and sediment physical properties (14527)
- Other inorganic chemical measurements (14288)
- Administration and dimensions (12866)

Disciplines

[More](#)

Quick search CDI user interface, intuitive and following a drill-down principle (as used by hotel booking systems)



e-infrastructure



CDI Search and Shopping Dialogue at the portal



Geo-Seas

Geo-Seas 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 ?

Free search ?

Variable groupings: All, Biological oceanography, > Underwater photography, Chemical oceanography ?

Sampling interval: All ?

Cruise/Station name ?

Projectname ?

Datasetname ?

Waterdepth (m) from to ?

Country: All ?

Access restriction: All ?

Date (yyyymmdd) from to ?

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

Measuring area type: All ?

Platform type: All, aeroplane, fixed benthic node, helicopter ?

Instrument depth (m) from to ?

Originator: All ?

CDI partner: All ?

Date created from to ?

Extended search CDI user interface , which facilitates combining multiple search criteria for specific queries

CDI Search and Shopping Dialogue at the portal



Geo-Seas



Geo-Seas Common Data Index (CDI) V2

Tools ?

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

SEARCH

Free search

Variable groupings

Sampling interval

Cruise/Station name

Projectname

Datasetname

Waterdepth (m) from to

Country

Access restriction

Enlarge Help
Position Index

Datasets 0

Basket Reset

Geo-Seas

Layer control ? Expand Add layer

CDI entry Points
CDI entry Tracks
CDI entry Areas
Grid Lines
Regional sea
Regional sea labels
Main sea
Main sea labels
Display all selected records
Only selected records in results list

Listing results

20 50 100 records Go

Add to basket Summary Zoom to selected Export result Store query Refine query New query Found 75685 Show (1-20) Previous Next 20

#	Data set name	Country	Start date	Variables measured	Instrument / gear type	Show
<input type="checkbox"/>	FC-79-3/L-W/Uniboom	Spain	19841029	Marine geology > Sonar and seismics > Field geophysics	Boomer	
<input type="checkbox"/>	FC-79-3/L-V/Uniboom	Spain	19841029	Marine geology > Sonar and seismics > Field geophysics	Boomer	
<input type="checkbox"/>	FC-79-3/L-T/Uniboom	Spain	19841029	Marine geology > Sonar and seismics > Field geophysics	Boomer	
<input type="checkbox"/>	FC-79-3/L-R/Uniboom	Spain	19841029	Marine geology > Sonar and seismics > Field geophysics	Boomer	
<input type="checkbox"/>	FC-79-3/L-P2/Uniboom	Spain	19841029	Marine geology > Sonar and seismics > Field geophysics	Boomer	

Search – Results page

CDI Search and Shopping Dialogue at the portal



Geo-Seas

The screenshot shows the Geo-Seas Common Data Index (CDI) V2 interface. It features a search bar, a list of filters (Projectname, Datasetname, Waterdepth, Country, Access restriction), and a map view showing the distribution of data points across the Atlantic and European coasts. The map is color-coded by depth and data density.

[New query](#) | [Results](#) | Found 9597 | Show 2 | [Previous](#) | [Next](#)



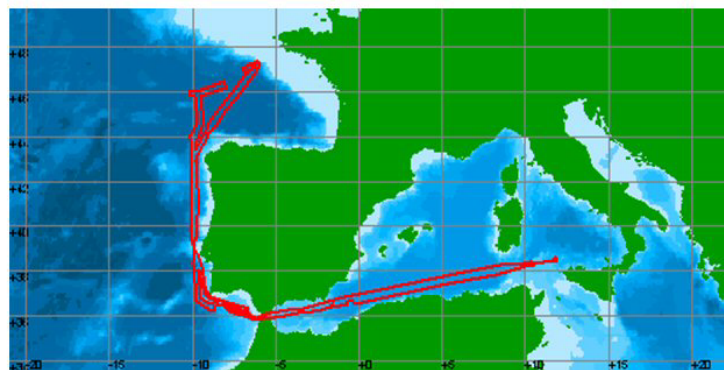
DETAILS

WHAT?

Date_created 12/7/2012
Data set name 540-S200005600-1
Discipline Marine geology
 Terrestrial
Category Gravity, magnetics and bathymetry
 Terrestrial
Variables measured Bathymetry and Elevation
Abstract Leve bathymetrique et geophysique. - Leve bathymetrique au sondeur multifaisceaux. - 2388326 sondes/soundings
Data format Ocean Data View ASCII input **Version** 0.4
Data size 73.6
Data set creation date 20030903

WHERE?

Map



GML id

GML objects

Datum

Measuring area type

ms01

Name	Description
	Coverage
	Coverage

World Geodetic System 84

surface

CDI Search and Shopping Dialogue at the portal



Geo-Seas



Water depth (m)	-9999
Depth reference	Lowest Astronomical Tide
Minimum instrument depth (m)	-9999
Maximum instrument depth (m)	-9999
WHEN?	
Start date	20000410
Start time	00:00:00
End date	20000516
End time	23:59:59
HOW?	
Instrument / gear type	multi-beam echosounders
Platform type	unknown
Cruise name	OCEAN ATLANTIQUE MER MEDITERRANEE Transit du BH1 L ESPERANCE en 2000.
Alternative cruise name	S200005600
Cruise start date	20000410
WHO?	
Originator	SHOM (SERVICE HYDROGRAPHIQUE ET OCEANOGRAPHIQUE DE LA MARINE)
Data Holding centre	SHOM (SERVICE HYDROGRAPHIQUE ET OCEANOGRAPHIQUE DE LA MARINE)
HOW TO GET THE DATA?	
Data Distributor	SHOM (SERVICE HYDROGRAPHIQUE ET OCEANOGRAPHIQUE DE LA MARINE)
Access/ordering of data	web data access with registration
Internet access/ordering	
Access restriction	by negotiation distribution cost charge licence
CDI-METADATA	
CDI-record id	1297983
CDI-record creation date	20120711
CDI-partner	SHOM (SERVICE HYDROGRAPHIQUE ET OCEANOGRAPHIQUE DE LA MARINE)


CDI Search and Shopping Dialogue at the portal



Geo-Seas

Geo-Seas Common Data Index (CDI) V2

Summary



SUMMARY OF QUERY RESULTS

Export

PER CDI PARTNER	+ -
PER ORIGINATOR	+ -
PER CATEGORY	+ -
PER VARIABLE	+ -
PER INSTRUMENT/TYPE	+ -
PER YEAR	+ -
PER YEAR	DATASETS
2011	38
2010	481
2009	794
2008	1926
2007	1452
2006	4393
2005	2724
2004	5043
2003	3539
2002	1539
2001	2626

> Sonar and seismics
> Field geophysics



e-infrastructure

Summary option on Results, facilitating overview of results and drilling down

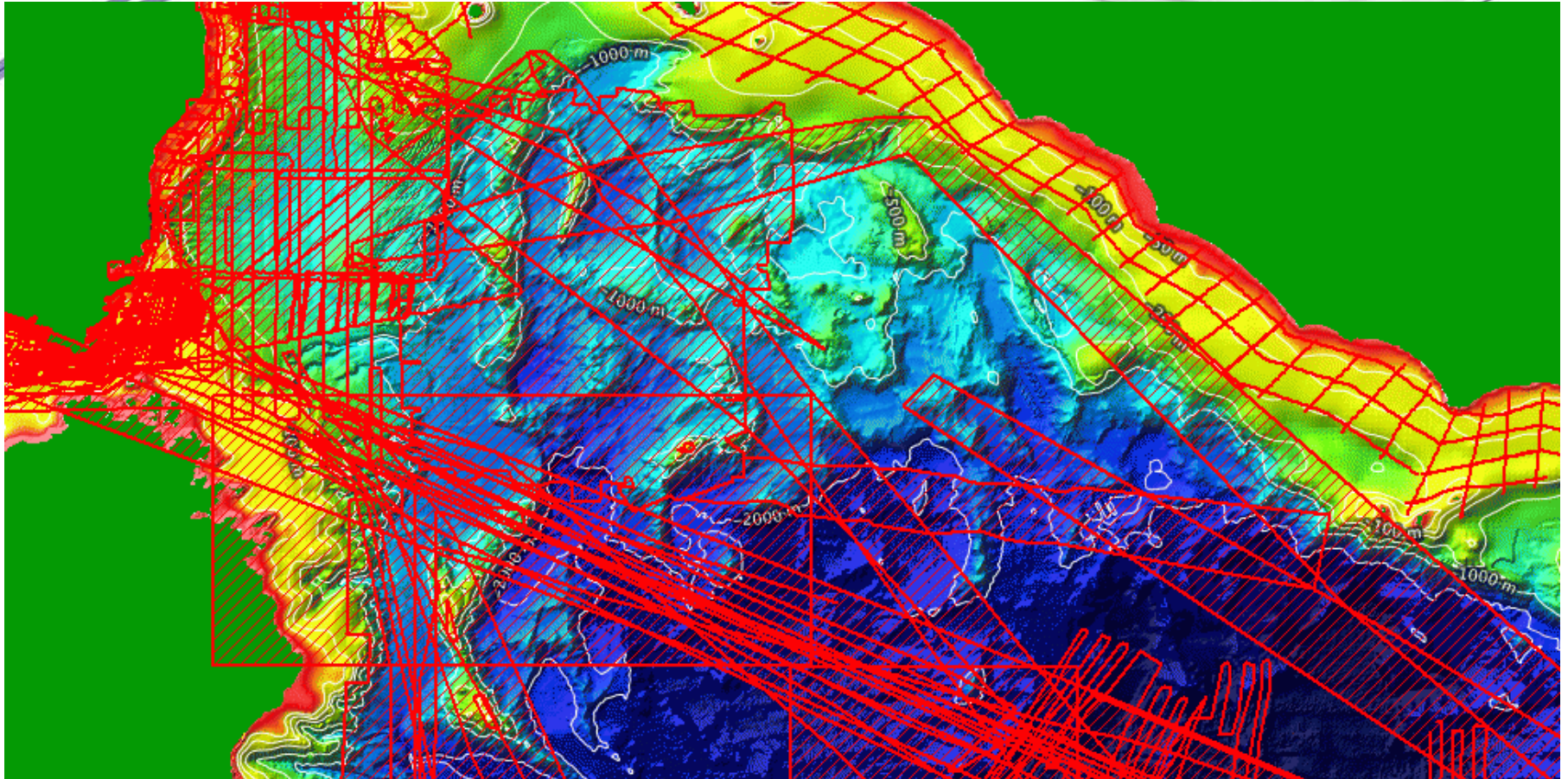


CDI Search and Shopping Dialogue at the portal

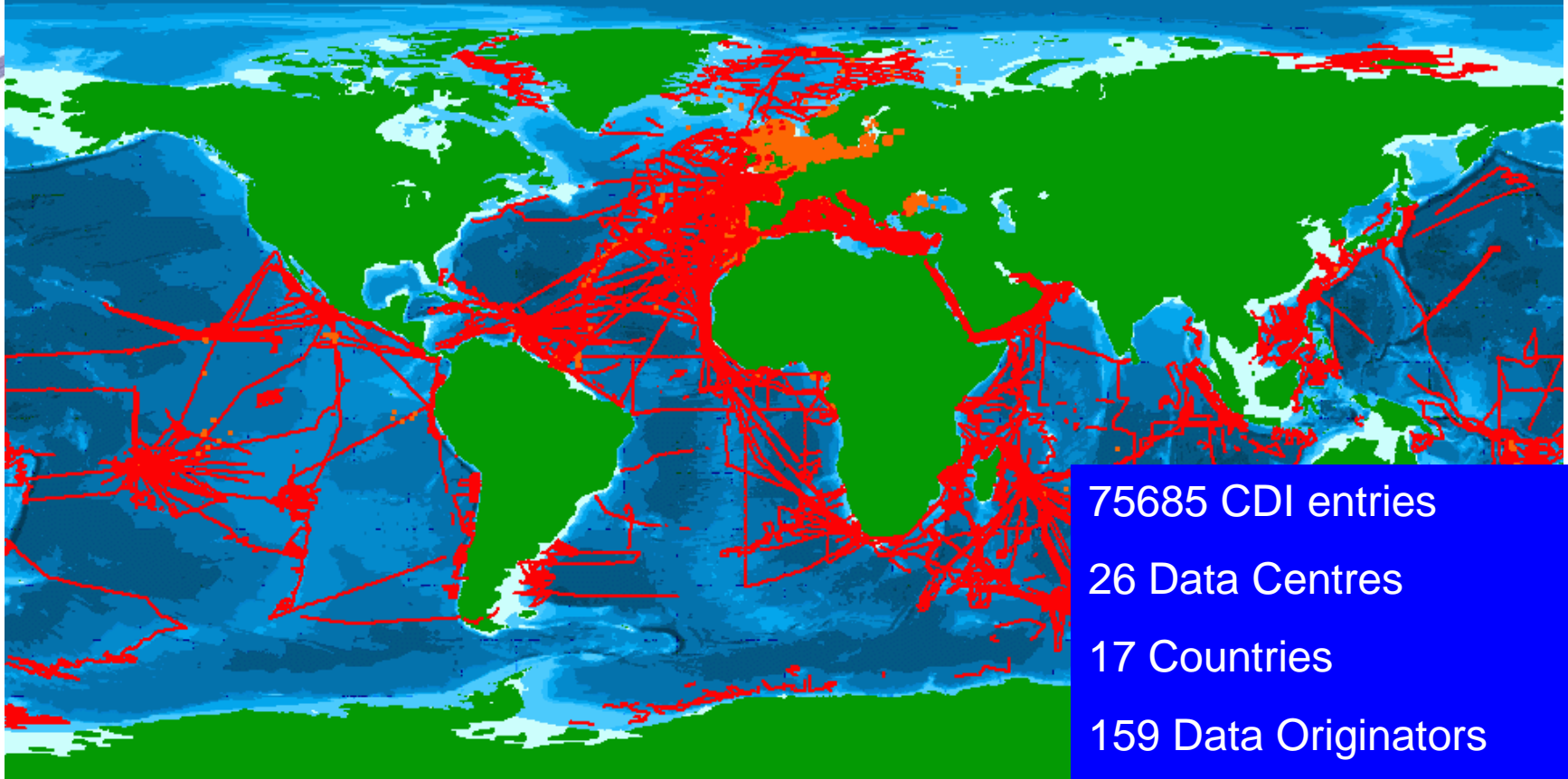


Geo-Seas

- Users can store their query profile as a bookmark and forward these to others
- Users can zoom in – zoom out – pan on the dynamic map of the CDI user interface
- Users can import WMS services from external servers in the CDI dynamic map
- Users can switch on various layers on the map
- Users can export the maps as images
- Users can import the CDI WMS services into external WMS servers



EMODNet Bathymetry WMS imported into CDI User
Interface as background map



75685 CDI entries

26 Data Centres

17 Countries

159 Data Originators

Samples, cores,
boreholes, seismics and
bathymetry

1800 – 2011

Present CDI coverage

CDI Search and Shopping Dialogue at the portal



Geo-Seas

Geo-Seas Common Data Index (CDI) V2

Tools ?

Enlarge Help
Position Index

Datasets 20
Basket Reset

Layer control ? Expand Add layer

- ☐ CDI entry Points ?
- ☐ CDI entry Tracks ?
- ☐ CDI entry Areas ?
- ☒ EMODnet Depth Average in 1 colour ?
- ☐ Grid Lines ?
- ☐ Regional sea ?
- ☐ Regional sea labels ?
- ☐ Main sea ?
- ☒ Display all selected records
- ☐ Only selected records in results list

Listing results

20 50 100 records Go

Add to basket

Summary Zoom to selected Export result Store query Refine query New query Found 13963 Show (1-20) Previous Next 20

<input checked="" type="checkbox"/>	#	Data set name	Country	Start date	Variables measured	Instrument / gear type	Show
<input checked="" type="checkbox"/>		BT010446	Netherlands	20011102	Marine geology > Rock and sediment lithology and mineralogy Terrestrial > Rock and sediment lithology and mineralogy	unconsolidated sediment corers	
<input checked="" type="checkbox"/>		BT010445	Netherlands	20011029	Marine geology > Rock and sediment lithology and mineralogy Terrestrial > Rock and sediment lithology and mineralogy	unconsolidated sediment corers	
<input checked="" type="checkbox"/>		BT010443	Netherlands	20010706	Marine geology > Rock and sediment lithology and mineralogy Terrestrial > Rock and sediment lithology and mineralogy	sediment grabs	
<input checked="" type="checkbox"/>		BT010402	Netherlands	19960917	Marine geology > Rock and sediment lithology and mineralogy Terrestrial > Rock and sediment lithology and mineralogy	unconsolidated sediment corers	



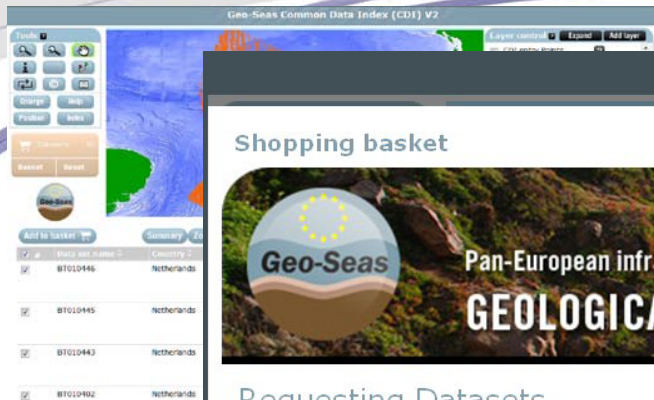
Search for TNO data and 20 entries in shopping basket



CDI Search and Shopping Dialogue at the portal




Geo-Seas



Geo-Seas Common Data Index (CDI) V2

Shopping basket



Pan-European infrastructure for management of marine and ocean
GEOLOGICAL AND GEOPHYSICAL DATA

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 SeaDataNet 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.

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
1233896	BT010358	SeaDataNet licence
1233897	BT010361	SeaDataNet licence
1233898	BT010362	SeaDataNet licence
1233899	BT010364	SeaDataNet licence
1233900	BT010365	SeaDataNet licence

☒ BT010401 Netherlands 19960917 Marine geology
> Rock and sediment lithology and mineralogy unconsolidated sediment
cores

Shopping list with 20 TNO entries

CDI Search and Shopping Dialogue at the portal



Geo-Seas

The screenshot displays the Geo-Seas Common Data Index (CDI) V2 portal. On the left, a sidebar shows a map and a list of datasets. The main area is titled 'Shopping basket' and features a banner for 'PAN-EUROPEAN INFRASTRUCTURE FOR OCEAN & MARINE DATA MANAGEMENT'. Below the banner, there is a login section with a red arrow pointing to the login fields. The login text is in Dutch: 'Om verder te gaan dien je jezelf te authenticeren.' (To continue, you need to authenticate yourself). It includes fields for 'Gebruikersnaam:' (Username) and 'Wachtwoord:' (Password), a checkbox for 'Vraag toestemming vooraleer me ingelogd door te sturen naar andere sites.' (Ask for permission before logging me in to other sites), and buttons for 'LOGIN' and 'CLEAR'. At the bottom, there is a footer with user information: 'BT010401 Netherlands 19960917 Marine geology unconsolidated sediment'.

Geo-Seas Common Data Index (CDI) V2

Shopping basket

PAN-EUROPEAN INFRASTRUCTURE FOR OCEAN & MARINE DATA MANAGEMENT

Operated in cooperation with

SeaDataNet

Geo-Seas

Black Sea SCENE

Cosp Info

EMODnet

Om verder te gaan dien je jezelf te authenticeren.

Voor de veiligheid moet je uitloggen en je browser sluiten wanneer je geen toegang meer nodig hebt tot afgeschermde applicaties!

Gebruikersnaam:

Wachtwoord:

☐ Vraag toestemming vooraleer me ingelogd door te sturen naar andere sites.

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

BT010401 Netherlands 19960917 Marine geology unconsolidated sediment

Login with user id – password, supported by Geo-Seas, SeaDataNet, EMODNet and others

CDI Search and Shopping Dialogue at the portal



Geo-Seas

The screenshot displays the Geo-Seas Common Data Index (CDI) V2 portal. On the left, a sidebar shows a map and a list of datasets. The main area is titled 'Shopping basket' and contains a 'Requesting Datasets' section. Below this, a 'SeaDataNet' logo is visible. A dialog box is open, asking for a motivation for access. It contains a text area with 'Text 479' and 'For research purposes'. Below the text area are three buttons: 'Submit request list', 'Reset', and 'Cancel request'. At the bottom, a table lists the datasets in the basket.

CDI-record id	Dataset name	Data access restriction	Data format
<input checked="" type="checkbox"/> 1233896	BT010358	SeaDataNet licence	Ocean Data View ASCII input (ODV)
<input checked="" type="checkbox"/> 1233897	BT010361	SeaDataNet licence	Ocean Data View ASCII input (ODV)
<input checked="" type="checkbox"/> 1233898	BT010362	SeaDataNet licence	Ocean Data View ASCII input (ODV)
<input checked="" type="checkbox"/> 1233899	BT010364	SeaDataNet licence	Ocean Data View ASCII input (ODV)
<input checked="" type="checkbox"/> 1233900	BT010365	SeaDataNet licence	Ocean Data View ASCII input (ODV)
<input checked="" type="checkbox"/> 1233901	BT010366	SeaDataNet licence	Ocean Data View ASCII input (ODV)
<input checked="" type="checkbox"/> 1233902	BT010392	SeaDataNet licence	Ocean Data View ASCII input (ODV)
<input checked="" type="checkbox"/> 1233903	BT010393	SeaDataNet licence	Ocean Data View ASCII input (ODV)
<input checked="" type="checkbox"/> 1233904	BT010394	SeaDataNet licence	Ocean Data View ASCII input (ODV)

Finalise and confirm shopping request

CDI Search and Shopping Dialogue at the portal



Geo-Seas



Geo-Seas Common Data Index (CDI) V2

Shopping basket

Pan-European infrastructure for management of marine and ocean
GEOLOGICAL AND GEOPHYSICAL DATA

Confirmation of your request list

Organisation	MARIENE INFORMATIE SERVICE MARIS B.V.
Contact name	Mr D.M.A. SCHAAP
Contact email	dick@maris.nl
Address	Koningin Julianalaan 345 A
Zipcode	2273 JJ
City	Voorburg
Country	Netherlands
Telephone	+31-70-3004710
Role IDs	SDNR01; SDNR03; SDNR07
Role names	Administrator; Academic; partner

Your order with **order number 5556** 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.



e-infrastructure

Confirmation of shopping request and link to RSM for follow-up of shopping process and downloading



CDI Search and Shopping Dialogue at the portal



Geo-Seas



RSM Request Status Manager



PAN-EUROPEAN INFRASTRUCTURE
FOR OCEAN & MARINE DATA
MANAGEMENT



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....



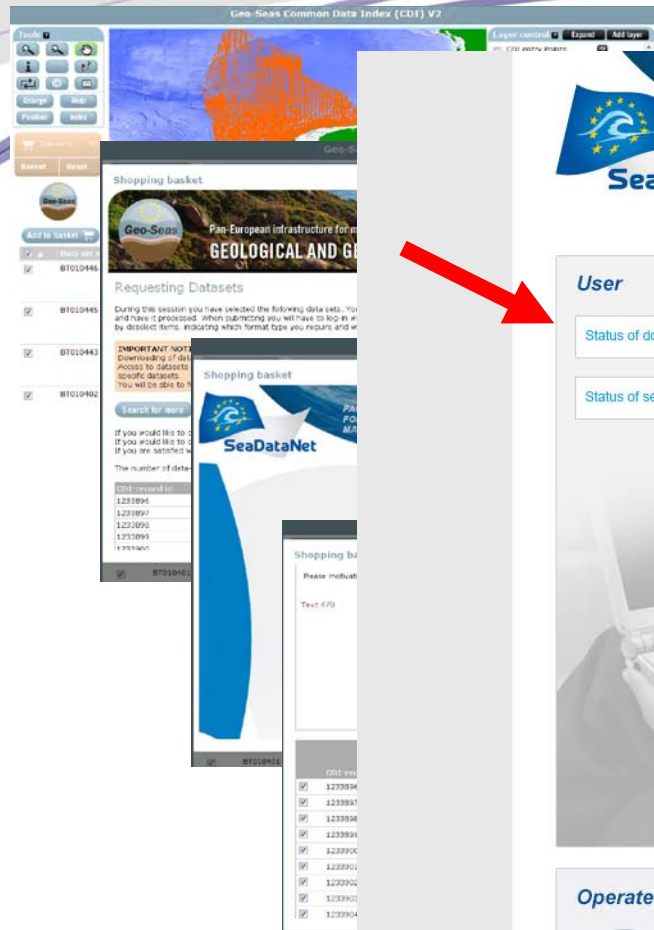
Login to Request Status Manager (RSM) for
follow-up of shopping process and downloading




CDI Search and Shopping Dialogue at the portal



Geo-Seas





PAN-EUROPEAN INFRASTRUCTURE
FOR OCEAN & MARINE DATA
MANAGEMENT

Request Status Manager Menu Options

User

- Status of download requests
- Status of seismic viewing requests





Data provider

- Standing download orders
- Standing seismic viewing orders
- History of all orders
- Report of all orders
- Report of robot testing

Administration

- Master report of all orders
- Master report of robot testing

Operated in cooperation with





Request Status Manager (RSM) dashboard with options for users, data centres and administration



CDI Search and Shopping Dialogue at the portal



Geo-Seas

RSM Request Status Manager

PAN-EUROPEAN INFRASTRUCTURE FOR OCEAN & MARINE DATA MANAGEMENT

Overview of your data set requests and processing per Data Centre

| FOUND 58 | SHOW (26-50) | PREVIOUS 25 | NEXT 8

Status of dataset requests						
Data centre	Country	Approval pending	Ready for downloading	Downloaded	Access denied	All
Karadeniz Technical University, Faculty of Marine Sciences	Turkey			3		3
Aarhus University, Department of Bioscience, Marine Ecology Roskilde	Denmark			389		389
Marine Hydrophysical Institute	Ukraine			2261		2261
Marine Systems Institute at Tallinn University of Technology	Estonia			224		224
Cyprus Oceanography Center	Cyprus			60		60
International Ocean Institute - Malta Operational Centre (University Of Malta) / Physical Oceanography Unit	Malta			20		20
Institute of Oceanography and Fisheries	Croatia			37		37
Latvian Institute of Aquatic Ecology	Latvia			20		20
National Institute for Marine Research and Development "Grigore Antipa"	Romania			3780	346	4126
Institute of Marine Sciences, Middle East Technical University	Turkey			4336	5	4341
Iv.Javakishvili Tbilisi State University, Centre of Relations with UNESCO Oceanological Research Centre and GeoDNA (UNESCO)	Georgia			86		86
Bulgarian National Oceanographic Data Centre (BGODC), Institute of Oceanology	Bulgaria		1	234	1	236
P.P.Shirshov Institute of Oceanology, RAS	Russian Federation			471		471
All-Russia Research Institute of Hydrometeorological Information - World Data Centre (RIHMI-WDC) National Oceanographic Data Centre (NODC)	Russian Federation			4605		4605
TNO Geological Survey of the Netherlands	Netherlands		60	795		855

RSM with overview of user requests and their status

CDI Search and Shopping Dialogue at the portal



Geo-Seas

RSM Request Status Manager

PAN-EUROPEAN INFRASTRUCTURE FOR OCEAN & MARINE DATA MANAGEMENT

Overview of your data set requests and processing per Dat

[Download selected datasets in zip file](#) | 25 50 100 1000 RECORDS [Go](#) | FOUND 60 | SHOW (1-25) | [PREVIOUS](#) | [NEXT 25](#)

TNO Geological Survey of the Netherlands						Status: Ready for downloading
Dataset CDI-ID	Dataset name	Request-ID	Request-key	Request date	Last update	Format
1233915	BT010446	864932	5556	2012-10-08	2012-10-08	ODV
1233914	BT010445	864931	5556	2012-10-08	2012-10-08	ODV
1233913	BT010443	864930	5556	2012-10-08	2012-10-08	ODV
1233912	BT010402	864929	5556	2012-10-08	2012-10-08	ODV
1233911	BT010401	864928	5556	2012-10-08	2012-10-08	ODV
1233910	BT010400	864927	5556	2012-10-08	2012-10-08	ODV
1233909	BT010399	864926	5556	2012-10-08	2012-10-08	ODV
1233908	BT010398	864925	5556	2012-10-08	2012-10-08	ODV
1233907	BT010397	864924	5556	2012-10-08	2012-10-08	ODV
1233906	BT010396	864923	5556	2012-10-08	2012-10-08	ODV
1233905	BT010395	864922	5556	2012-10-08	2012-10-08	ODV
1233904	BT010394	864921	5556	2012-10-08	2012-10-08	ODV
1233903	BT010393	864920	5556	2012-10-08	2012-10-08	ODV
1233902	BT010392	864919	5556	2012-10-08	2012-10-08	ODV
1233901	BT010366	864918	5556	2012-10-08	2012-10-08	ODV
1233900	BT010365	864917	5556	2012-10-08	2012-10-08	ODV

RSM with overview of user requests at TNO which are Ready for download

CDI Search and Shopping Dialogue at the portal



Geo-Seas



PAN-EUROPEAN INFRASTRUCTURE
FOR OCEAN & MARINE DATA
MANAGEMENT

Operated in cooperation with



Personal overview of downloadable and viewable files at selected Data Centre

User: **ds1ee60**

Downloads

Zipfile name	Download	Remove from this list, once download complete
usersds1ee60-data_centre1229-2012-09-28_result.zip	Download >	Remove >

Views

Viewable files	View	Remove from this list, once done
usersds1ee60-data_centre1229-2012-09-28_result	Go >	Remove >
usersds1ee60-data_centre1229-2012-09-28_result	Go >	Remove >

Data sets, approved for downloading are combined in zip files, that you can download. The zip file builds up during the day and each new approved download request is added. Each zip file will be removed after 30 days!

Seismic data sets, approved for viewing are listed individually. Click on the View button for individual viewing. Each Viewable file will be removed after 5 days!

These downloadable and/or viewable files are prepared by the local data centre, that is responsible for managing and distributing the selected data sets. Please remove files from the list, once your downloading and/or viewing has been successful.

[Close window](#)



e-infrastructure

User personal page at TNO for downloading and viewing of data sets



CDI Search and Shopping Dialogue at the portal



Geo-Seas

The collage illustrates the workflow for searching and requesting data from the Geo-Seas portal. It shows the initial search results, the shopping basket, the confirmation of the request, and the subsequent status management and personal overview of the requested data sets. A red arrow highlights the 'Download' button for a specific data set, indicating that the data is provided in a standard format including metadata.

Data sets in standard format
Incl metadata

CDI Search and Shopping Dialogue at the portal

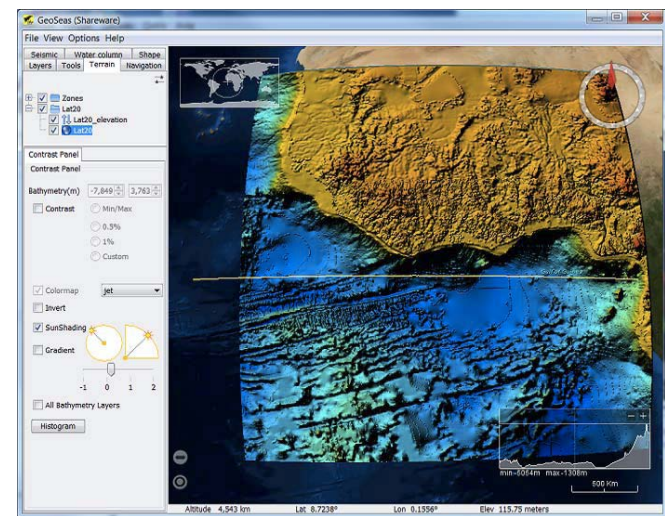
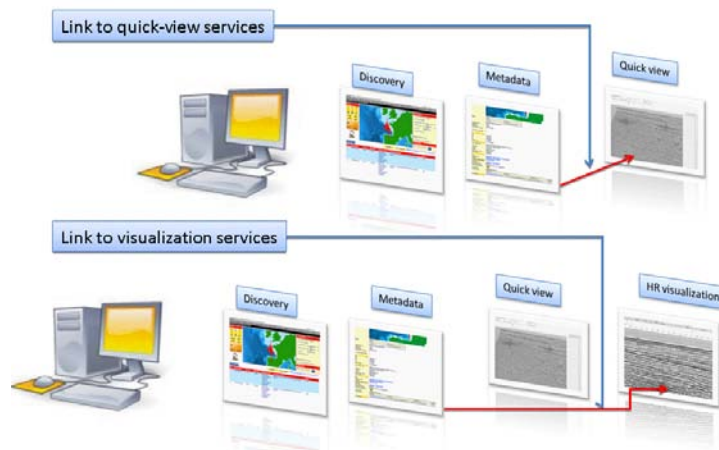


Geo-Seas

- Dialogue looks long and complicated, but in practice is easy and has many benefits:
- Users can request access from multiple data centres in one go
- Immediately accessible data sets are available after circa 10 minutes for downloading
- Requests can also concern data sets which require additional negotiation
- Users can oversee all their requests in time and with status
- Data providers can also oversee all users and their requests to their data centre, to justify their services
- Data providers can give access after negotiation
- Overall all transactions via the Geo-Seas portal can be administered and analysed
- Extra services can be added such as viewing

CDI extra portal services

- Portal also provides access to dedicated tools and services that have been developed in Geo-Seas for analysing and viewing the retrieved Geo-Seas data sets:
 - Porcupine Borehole Viewer software
 - 3D-Viewer for bathymetric DTMs
 - Low resolution seismic viewing services
 - High resolution seismic viewing services
- These tools and services will be presented by colleagues





Geo-Seas

THANK YOU



The screenshot shows the Geo-Seas website homepage. At the top, there is a navigation bar with the Geo-Seas logo and links: Overview | Metadata | Data access | Products | Standards & Software | Meetings | Promotion | Partners. Below this is a large banner image of a coastal landscape with the text "Pan-European infrastructure for management of marine and ocean GEOLOGICAL AND GEOPHYSICAL DATA" and the European Union flag. The main content area is divided into three columns. The left column has a "Tools" section with links: Contact, Extranet, Sitemap, and Home. The middle column has a "Home" section with the heading "Welcome to Geo-Seas" and a paragraph: "Geo-Seas is implementing an e-infrastructure of 26 marine geological and geophysical data centres, located in 17 European maritime countries. Users are enabled to identify, locate and access pan-European, harmonised and federated marine geological and geophysical datasets and derived data products held by the data centres through a single common data portal." Below this is a row of four small images: a lighthouse, a ship, a person working on a structure, and a geological map. The right column has a "News" section with three items: "International Conference - 9-10 October 2012 - PROGRAMME and FINAL ANNOUNCEMENT now available", "Geo-Seas International workshop - 9 & 10 October 2012", and "Geo-Seas at the 34th Session of the International Geological Congress". Below these is a link "Project Review successful" and a "More news" link. At the bottom of the news section is a small image of a ship on the water with the text "© BGS".

Geo-Seas

Overview | Metadata | Data access | Products | Standards & Software | Meetings | Promotion | Partners

Pan-European infrastructure for management of marine and ocean
GEOLOGICAL AND GEOPHYSICAL DATA

Tools

Contact Extranet

Sitemap Home

Home

Welcome to Geo-Seas

Geo-Seas is implementing an e-infrastructure of 26 marine geological and geophysical data centres, located in 17 European maritime countries. Users are enabled to identify, locate and access pan-European, harmonised and federated marine geological and geophysical datasets and derived data products held by the data centres through a single common data portal.

The aims of Geo-Seas are aligned with European directives and recent large-scale framework programmes on global and European scales, such as GEOSS and GMES, EMODNET and INSPIRE.

News

International Conference - 9-10 October 2012 - PROGRAMME and FINAL ANNOUNCEMENT now available

Geo-Seas International workshop - 9 & 10 October 2012

Geo-Seas at the 34th Session of the International Geological Congress

Project Review successful

More news »

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