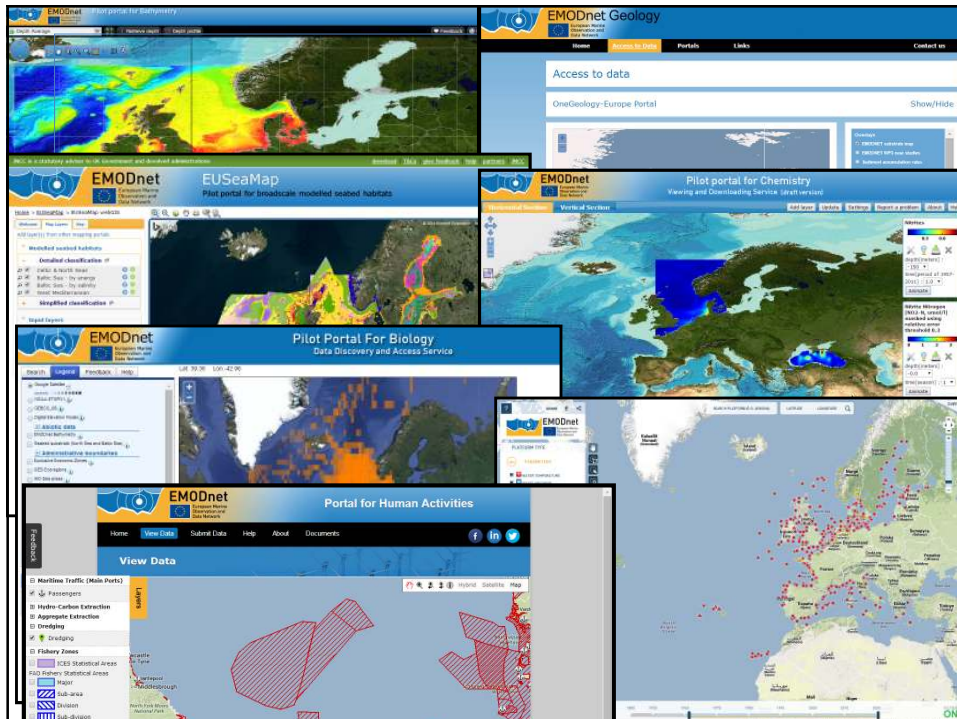
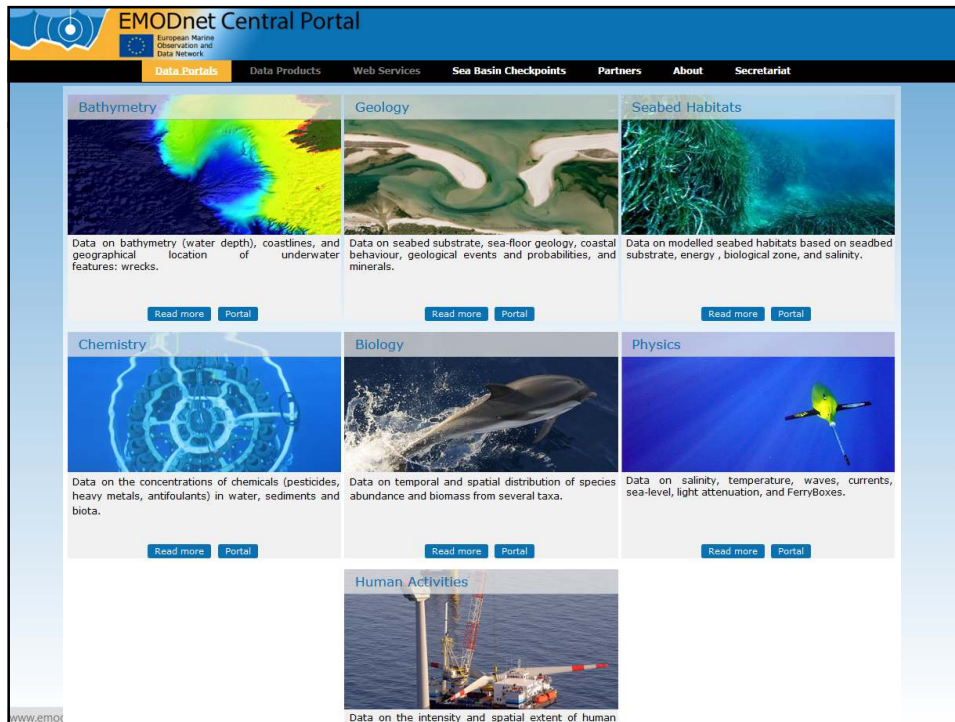


EMODnet Central Portal

EMODnet@EurOCEAN2014
Connecting people with data



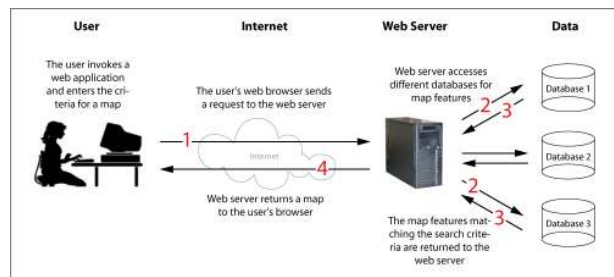


Central Portal

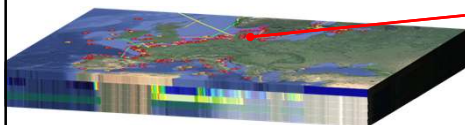
- Use Cases used as a roadmap for developing the Portal
- Generate functional requirements of portal
- Highlight added value of combining thematic data
- Scientific – or user need driven
- Implementation through working group with coordinators of the different lots and the Secretariat

Central Portal

- Be able to get access to the data via WFS/WMS
- Return output in different formats (list of features per coordinate point, list of points or area, Indexes etc.)



Central Portal Use case I



Retrieve Data from specified coordinates at a given time or for a time interval

Physical Parameters (temperature, salinity)

Bathymetry

Seabed Substrate

Seabed habitat

Species Abundance



EMODnet Central Portal www.emodnet.eu/dataservices/

European Marine Observation and Data Network

Data Products | Data Products | Web Services | Sea Basin Checkpoints | Partners | About | Secretariat

New job | Results | Manual | [Changelog](#)

1. Upload your file

Select one of the demo data files and choose from several web services, models and applications to process the data.
To work with other data files, please [log in](#).
If you are new to this service, please read the manual.

File: No file chosen

Use demo file:

Allowed filetypes: Plain text (TXT) | Plain text (CSV) | excel (XLS) | excel (XLSX)
Maximum upload file: 10000

Heading First row contains column names
Column delimiter:
Decimal symbol:

2. Select Web Services

Name	Source	Description
Administrative boundaries		
<input type="checkbox"/> EMODnet Bathymetry layers		
<input type="checkbox"/> EMODnet Geology layers		
<input type="checkbox"/> EMODnet Seabed Habitats layers		
<input type="checkbox"/> EMODnet Chemistry		
<input type="checkbox"/> EMODnet Biology		
<input type="checkbox"/> EMODnet Physics		

3. Web services Overview

Selected services

- EMODnet Depth Average
- Substrate map
- Number of observations in a 1000m radius around a point

Comment:

New job | Results | Manual | [Changelog](#)

1. Upload your file

Select one of the demo data files and choose from several web services, models and applications to process the data.
To work with other data files, please [log in](#).
If you are new to this service, please read the manual.

File: No file chosen

Use demo file:

Allowed filetypes: Plain text (TXT) | Plain text (CSV) | excel (XLS) | excel (XLSX)
Maximum upload file: 10000

Heading First row contains column names
Column delimiter:
Decimal symbol:

2. Select Web Services

Name	Source	Description
Administrative boundaries		
<input type="checkbox"/> EMODnet regions	European Commission	Returns the name of the EMODnet region
<input type="checkbox"/> Exclusive economic zones	Marine Regions	Returns the EEZ based on latitude and longitude.
EMODnet Bathymetry layers		
<input type="checkbox"/> EMODnet Depth average in meters	EMODnet Bathymetry	EMODnet, bathymetrie, diepte, depth, bathymetry
<input type="checkbox"/> EMODnet Depth Average in 1 colour	EMODnet Bathymetry WMS	EMODnet Depth Average in 1 colour
<input checked="" type="checkbox"/> EMODnet Depth Average	EMODnet Bathymetry WMS	EMODnet Depth Average
<input type="checkbox"/> EMODnet Depth Smoothed in 1 colour	EMODnet Bathymetry WMS	EMODnet Depth Smoothed in 1 colour
<input type="checkbox"/> EMODnet Source Reference	EMODnet Bathymetry WMS	EMODnet Source Reference
<input type="checkbox"/> EMODnet Depth Smoothed	EMODnet Bathymetry WMS	EMODnet Depth Smoothed
<input type="checkbox"/> EMODnet Depth Standard deviation	EMODnet Bathymetry WMS	EMODnet Depth Standard deviation
EMODnet Geology layers		
<input checked="" type="checkbox"/> Substrate map	GTK EMODnet WMS	Substrate map
<input type="checkbox"/> BGR Emodnet Lithology	BGR EMODnet WMS/Geology portal: BGR Emodnet Lithology	
<input type="checkbox"/> BGR Emodnet Stratigraphy	BGR EMODnet WMS/Geology portal: BGR Emodnet Stratigraphy	
EMODnet Seabed Habitats layers		
<input type="checkbox"/> Modelled Seabed Habitats in the Celtic Sea and North Sea	Seabed Habitats WMS	Modelled Seabed Habitats in the Celtic Sea and North Sea
EMODnet Chemistry		
<input type="checkbox"/> Seasonal Phosphate concentrations	EMODnet Chemistry WMS	Returns concentration of Phosphate [PO4-P, umol/l] per season (intergrated over the available years)... Read more
EMODnet Biology		
<input checked="" type="checkbox"/> Number of observations in a 1000m radius around a point	OBIS	Gives the number of observations of a taxon in a radius of 1000 meter around a point.
EMODnet Physics		
<input type="checkbox"/> Mooring Station data within 10 000m radius	EMODnet Physics WMS	Returns minimum, maximum, and average values of selected parameters (Observed Sea Level, Temperature... Read more

3. Web services Overview

Selected services

- EMODnet Depth Average
- Substrate map

EMODnet Central Portal
 European Marine Observation and Data network

Data Portals | Data Products | **Web Services** | Sea Basin Checkpoints | Partners | About | Secretariat

Report job: 7888

Job properties


Demo
 Number job: 7888
 Comment: demofile
 Inputfile: demofile_EMODnet.txt
 Resultfile: 7888_demofile_EMODnet.txt

Requested Services (5)

- Properties from GIS layer: EMODnet regions
- Properties from GIS layer: EMODnet substrate map
- EMODNET Depth average in meters
- Seasonal Phosphate concentrations
- Show on map

Preview resultfile

location	longitude	latitude	required fields	checked	longitude checked
North Sea	2.288246	51.94035	1	1	
			0	0	
			0	0	
			0	0	
			0	0	
North Sea	3.77541	53.249054	1	1	
			0	0	
			0	0	
			0	0	
			0	0	
North Sea	0.503651	55.033649	1	1	
			0	0	
			0	0	
			0	0	
North Sea	5.560005	55.806974	1	1	



Map

Results - EMODNET Depth average in meters
 Number of no match(es) : 127

Results - Seasonal Phosphate concentrations
 Data from requested GISlayers
 Number of results for layer EMODnet regions: 127

Legend - added fields

required_fields_checked : Are the required fields present and completed? (1=yes, 0=no)
 longitude_checked : Validation of the longitude value (1=ok, 0=not ok)
 latitude_checked : Validation of the latitude value (1=ok, 0=not ok)

Thank you

