



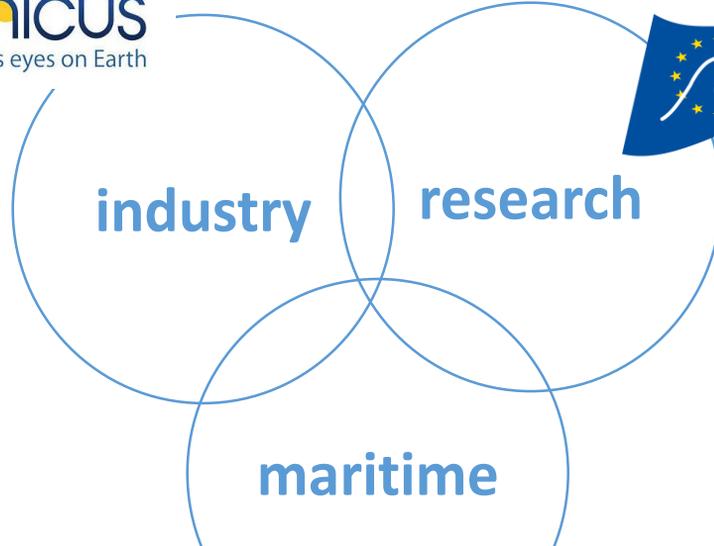
DG MARE
Directorate-General
for Maritime Affairs and Fisheries

SHARING MARINE DATA

2 October 2018



assembling marine data in Europe.



3 Commission departments





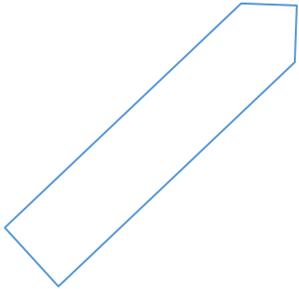
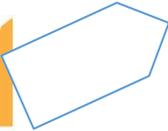
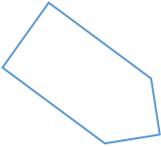
space data

other data

archive data



fisheries data



DG-MARE data on the sea

mechanism	Data Collection Framework	Fisheries Control Regulation	EMODnet
type of data	mostly fish (size, age, sex)	Fishing (position, catch)	everything else
source of data	sampling on board and at ports surveys	VMS logbook sales notes	research cruises, hydrographic surveys, environmental monitoring etc
access	to scientists involved in fisheries advice on request almost impossible for others	only for enforcement	free and open



EMODnet



100 organisations

- bathymetry
- geology
- physics
- chemistry
- biology
- habitats
- human activity

DATA INGESTION PORTAL

The EMODnet Data Ingestion portal seeks to identify and to reach out to other potential providers in order to make their data sets also part of the total offer. It aims at...

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BATHYMETRY

Data on bathymetry (water depth), coastlines, and geographical location of underwater features, wrecks.



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GEOLOGY

Data on seabed substrate, sea-floor geology, coastal behaviour, geological events, and minerals.



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Data on modelled seabed habitats based on seabed substrate, energy, biological zone, and salinity.



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Data on temporal and spatial distribution of species abundance and biomass from several taxa.



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HUMAN ACTIVITIES

Data on the intensity and spatial extent of human activities at sea.



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- distribute

- data

- meta data

- data products

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- services

- upload

- search

- view

- download

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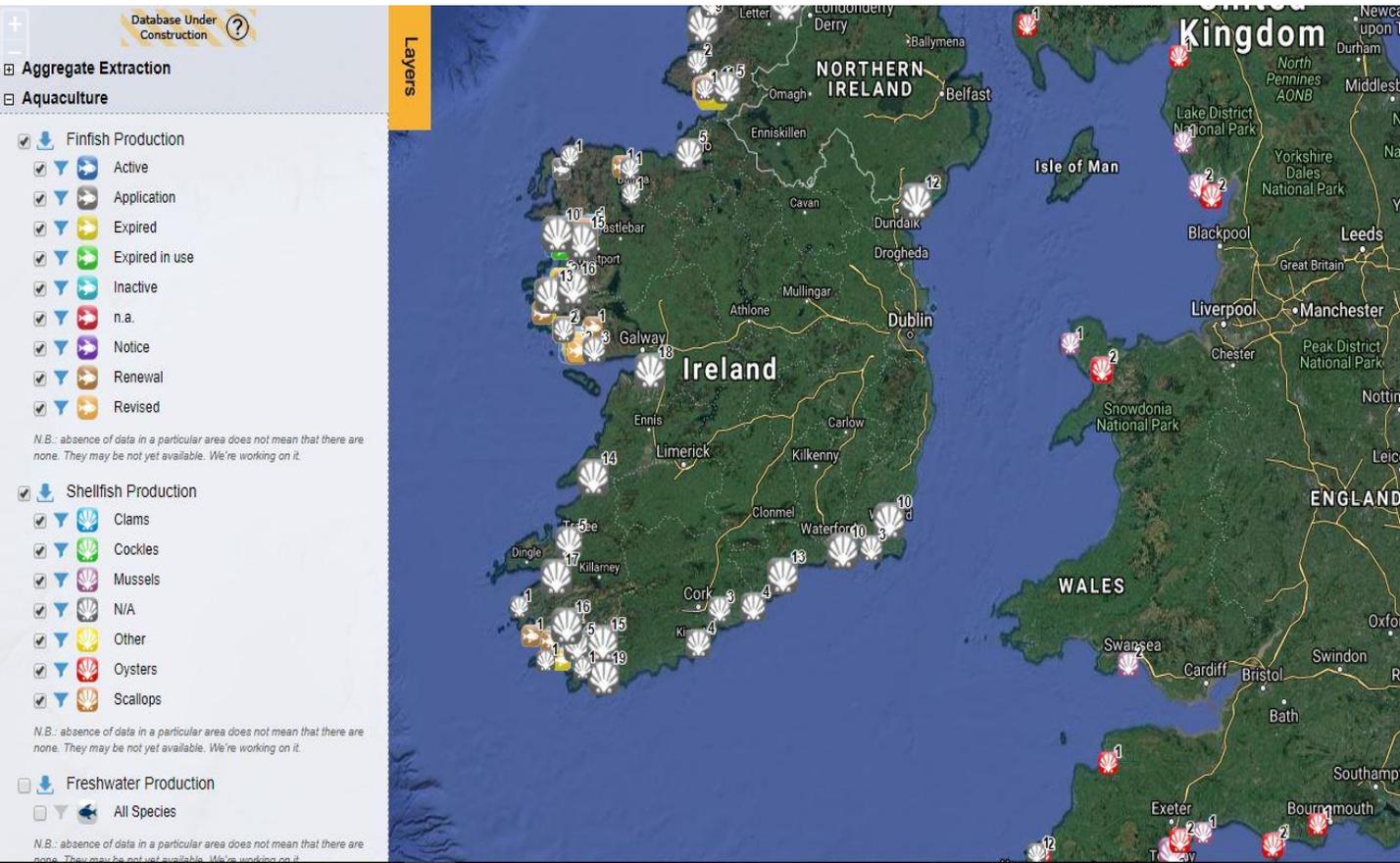
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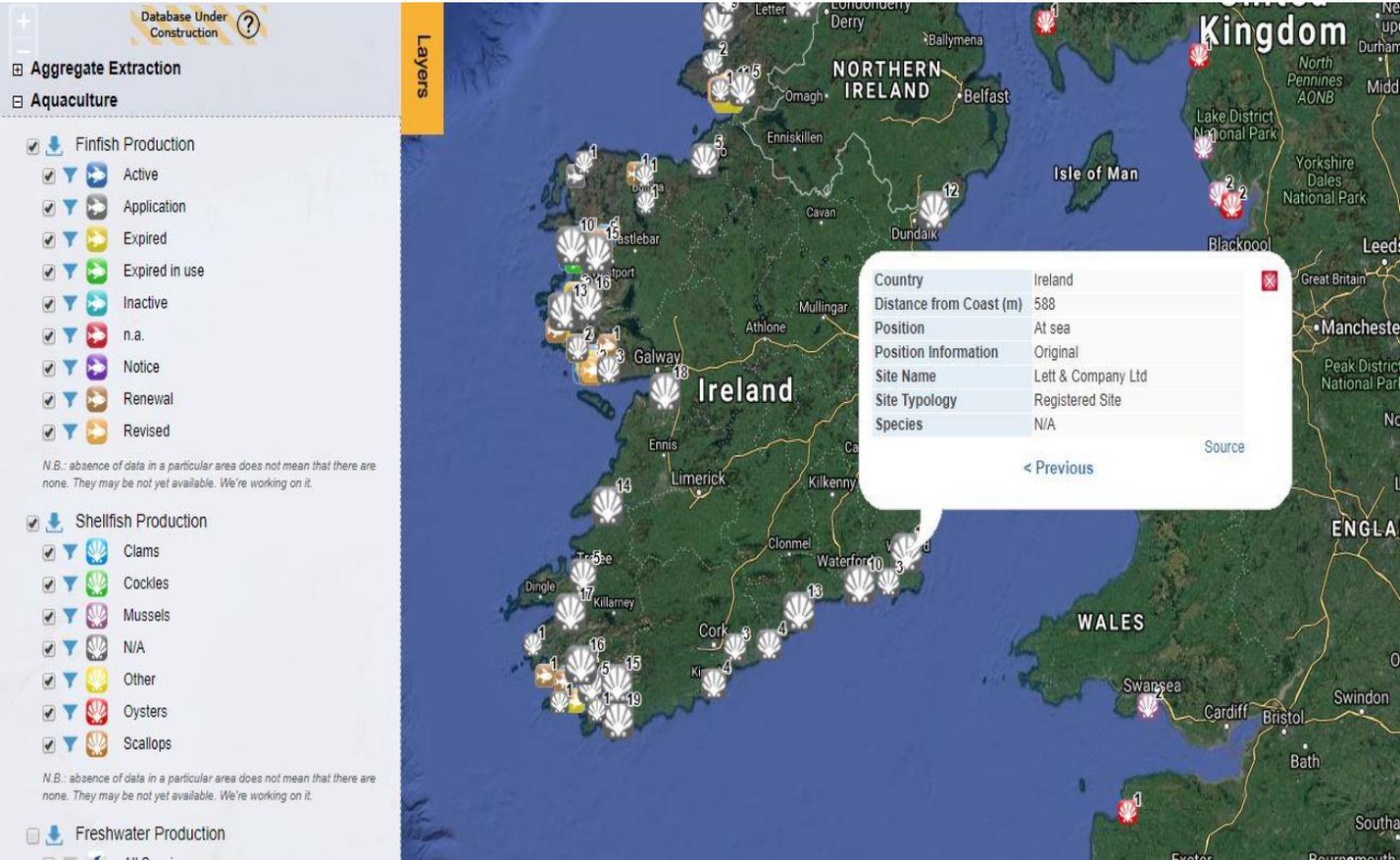
[Q](#) [I](#) [S](#)

USE CASES INFO ACCESS

Human activities - aquaculture

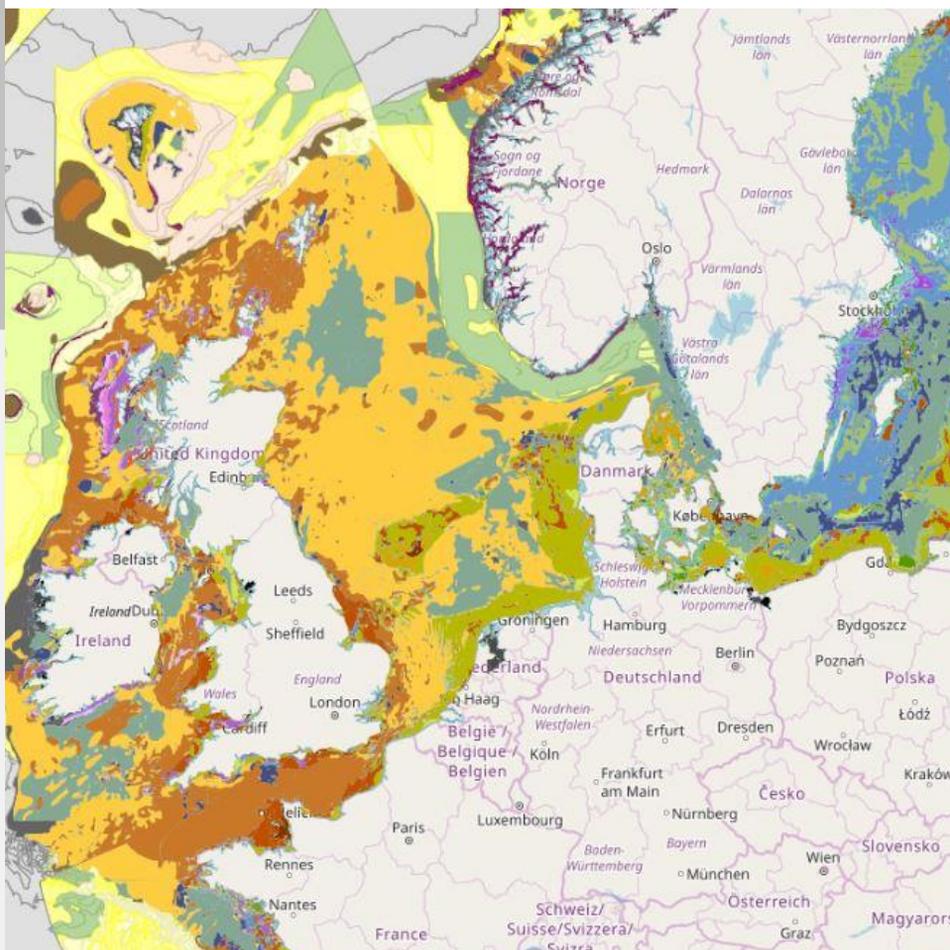


Human activities - aquaculture



habitats

- A3: Infralittoral rock and other hard substrata
- A3.1: Atlantic and mediterranean high energy infralittoral
- A3.2: Atlantic and mediterranean moderate energy infralittoral
- A3.3: Atlantic and mediterranean low energy infralittoral
- A3.4: Baltic exposed infralittoral rock
- A3.5: Baltic moderately exposed infralittoral rock
- A3.6: Baltic sheltered infralittoral rock
- A4: Circalittoral rock and other hard substrata
- A4.1: Atlantic and mediterranean high energy circalittoral
- A4.2: Atlantic and mediterranean moderate energy circalittoral
- A4.12 or A4.27 or A4.33: Sponge communities on deep moderate energy circalittoral
- A4.2: Atlantic and mediterranean moderate energy circalittoral
- A4.26: Mediterranean coralligenous communities moderate energy circalittoral
- A4.27: Faunal communities on deep moderate energy circalittoral
- A4.3: Atlantic and mediterranean low energy circalittoral
- A4.33: Faunal communities on deep low energy circalittoral
- A4.4: Baltic exposed circalittoral rock
- A4.5: Baltic moderately exposed circalittoral rock
- A4.6: Baltic sheltered circalittoral rock
- A5.13: Infralittoral coarse sediment
- A5.14: Circalittoral coarse sediment
- A5.15: Deep circalittoral coarse sediment
- A5.23: Infralittoral fine sand
- A5.23 or A5.24: Infralittoral fine sand or infralittoral muddy sand
- A5.25: Circalittoral fine sand
- A5.25 or A5.26: Circalittoral fine sand or circalittoral muddy sand
- A5.26: Circalittoral muddy sand
- A5.27: Deep circalittoral sand
- A5.33: Infralittoral sandy mud
- A5.33 or A5.34: Infralittoral sandy mud or infralittoral fine sand
- A5.34: Infralittoral fine mud
- A5.35: Circalittoral sandy mud
- A5.36: Circalittoral fine mud or Circalittoral sandy mud
- A5.36: Circalittoral fine mud
- A5.37: Deep circalittoral mud
- A5.38: Mediterranean communities of muddy detritic beds
- A5.39: Mediterranean communities of coastal terrigenous detritus
- A5.43: Infralittoral mixed sediments
- A5.44: Circalittoral mixed sediments
- A5.45: Deep circalittoral mixed sediments
- A5.46: Mediterranean animal communities of coastal detritus
- A5.47: Mediterranean communities of shelf-edge detritus
- A5.531: Cymodocea beds





for marine data and data products

discover

Search ...

CATALOG MAP MY DOWNLOADS

Results 1 to 20 on 5581 : 20 by page

Atlas des fonds meubles du plateau continental du golfe de Gascogne ...

Cette carte est la synthèse des cartes de l'atlas de Claude Chassé et Michel Glemarec de l'Université de Bretagne Occidentale, "Atlas du littoral"

Map of Physical Habitats of Seabeds in Mainland France (scale 1 / 1...

Eunis-classified physical habitats physiques resulting from the combination of three physical variables meshed at a resolution of 250 metres: nature of the

Marine materials extraction site areas which are either authorised or for which the authorisation process is in progress; research permits both under consideration

view

Background map: OpenStreetMap

Carte d'habitats physiques des fonds marins Atlantique (échelle 1 / 1 000 000) - Version 2011

Exploitations de granulats marins

LEGEND SORT SOURCES

- A1 : Littoral rock and other hard substrata
- A2 : Littoral sediment
- A2.3 : Littoral mud
- A3.1 : Atlantic and Mediterranean high energy infralittoral
- A3.2 : Atlantic and Mediterranean moderate energy infralittoral
- A3.3 : Atlantic and Mediterranean low energy infralittoral
- A4.1 : Atlantic and Mediterranean high energy circalittoral
- A4.2 : Atlantic and Mediterranean moderate energy circalittoral
- A4.3 : Atlantic and Mediterranean low energy circalittoral
- A5.13 : Infralittoral coarse sediment
- A5.14 : Circalittoral coarse sediment
- A5.15 : Deep circalittoral coarse sediment
- A5.23 : Infralittoral fine sand

WGS84

download

Map of Physical Habitats of Seabeds in Mainland France (scale 1 / 1 000 000) - Version 2011

Mer du nord - Manche - Atlantique

Projection : Géographique - Datum WGS84

Format : Shapefile

Concessions and Research Permits Involved in Marine Materials Operations

Avec symbologie

Projection : Géographique - Datum WGS84

Format : Shapefile

ISO standard and INSPIRE recommendations

["https://sextant.ifremer.fr/geonetwork/srv/eng/csw?service=CSW&request=GetCapabilities&version=2.0.2"](https://sextant.ifremer.fr/geonetwork/srv/eng/csw?service=CSW&request=GetCapabilities&version=2.0.2)

0.2"

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<csw:Capabilities version="2.0.2" xsi:schemaLocation="http://www.opengis.net/cat/csw/2.0.2 http://schemas.opengis.net/csw/2.0.2/inspire_ds/1.0 http://inspire.ec.europa.eu/schemas/inspire_ds/1.0/inspire_ds.xsd">
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-<ows:ServiceIdentification>
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-<ows:Keywords>
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  -<!--
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    Keywords are automatically added by GeoNetwork  
    according to catalogue content.
```

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  -->
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  <ows:Keyword>Delayed</ows:Keyword>
```

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-<ows:Keyword>
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Format not proprietary and content clearly specified (e.g. autodescriptive like ODV, NetCDF CF) or at least with appropriate c

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</ows:Keyword>
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-<ows:Keyword>
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There is detailed information provided to understand data policy

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```
<ows:Keyword>High level analyzed</ows:Keyword>
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-<ows:Keyword>
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The datasets are referenced in a public national catalogue, in an international catalogue service

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</ows:Keyword>
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-<ows:Keyword>
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Use of open search engines, searching by name either the data provider or the characteristics

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</ows:Keyword>
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<ows:Keyword>Oceanographic geographical features</ows:Keyword>
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<ows:Keyword>Observation (raw, QC)</ows:Keyword>
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```
-<ows:Keyword>
```

● Capture rectangulaire

Open geospatial consortium



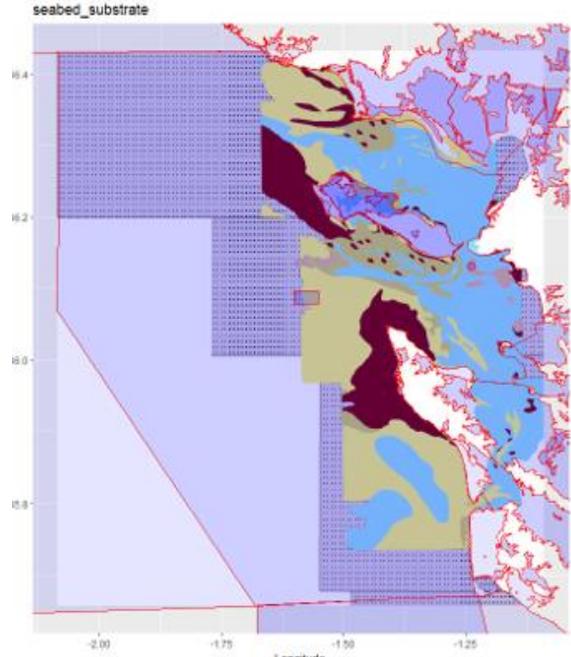
- Web Mapping Service
 - maps
- Web Feature Service
 - map layer can have properties
- Web Content Service
 - coverages representing space/time-varying phenomena

geology – Web Mapping Service

http://drive.emodnet-geology.eu/geoserver/EMODnetGeology/wms?layers=seabed_substrate_250k&bbox=-2.08542634499992,45.656434726,-1.08908527599993,46.4319841780001&service=WMS&format=image/png&interpolation=nearest&srs=EPSG:4326&request=GetMap&height=747&width=960

Folk 5-class Classification

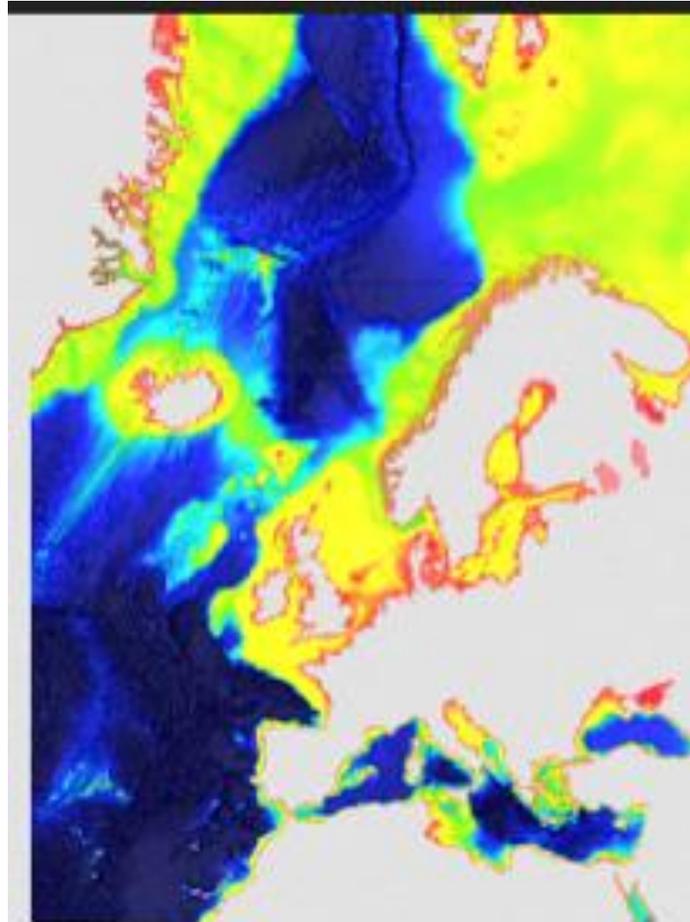
-  1. Mud to muddy Sand
-  2. Sand
-  3. Coarse substrate
-  4. Mixed sediment
-  5. Rock & Boulders
-  6. No data at this level of Folk
-  9. Restricted data



bathymetry – Web Mapping Service

mean depth based on source resolution of 1/8 arc minute (~250 metres) in multi colour style.

http://ows.emodnet-bathymetry.eu/wms?service=WMS&service=WMS&request=GetMap&version=1.1.1&layers=emodnet:mean_multicolour&styles=&format=image/png&transparent=true&info_format=text/html&tile_d=false&width=1920&height=628&srs=EPSG:3857&bbox=-17669794.954627626,2250306.11271559,19900533.188102208,14538934.276066802



Can also import data

