

EMODnet and the Nature Directives EMODnet Biology (2021-02-19)

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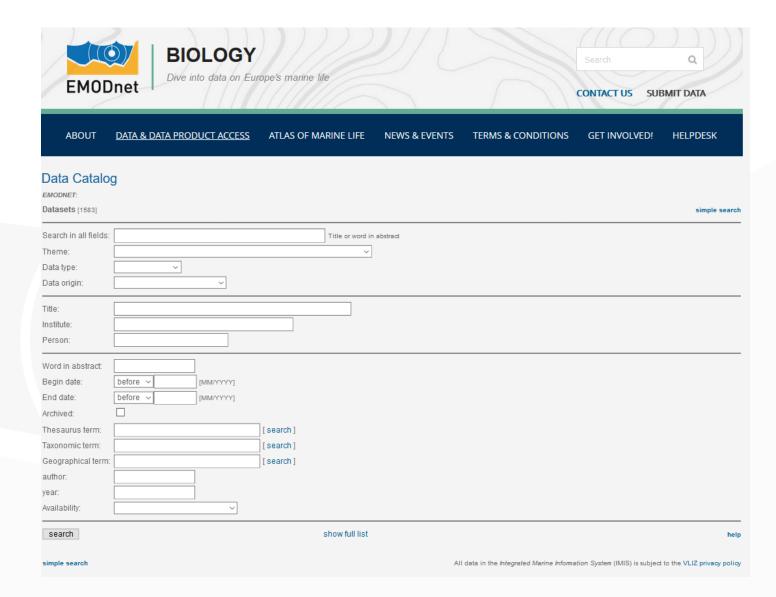
Scope

- (b) Data and metadata resulting from observations of marine species in European waters
- (b) Excludes parameters that are collected or distributed under the Data Collection Framework for fisheries
- Functional groups: Algae, Angiosperms, Benthos, Birds, Fish, Mammals, Phytoplankton, Reptiles, Zooplankton
- Marine regions: Arctic Ocean, Atlantic Ocean, Baltic Sea, Black Sea, Mediterranean Sea, North Sea
- Provides free access to all the data and metadata obtained within EurOBIS (European OBIS node) and WoRMS (Marine species register)



Data access- Catalogue

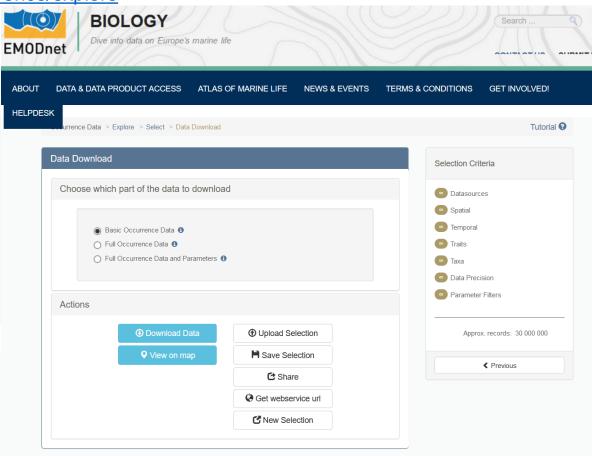
- (b) https://www.emodnet-biology.eu/
 data-catalog?module=dataset&extfrm=1
- (b) 1583 metadata records
- (some records are created before data are submitted, allows for discoverability)





Data Access- Download toolbox

- (b) https://www.emodnet-biology.eu/toolbox/en/download/occurrence/explore
- (b) Allows for searching datasets via e.g. Taxonomy or various legal documents, e.g. Habitats Directive, MSFD indicators, etc.
- No registration to download data
- (b) Form to download data implemented due to metric purposes, it requests organisation type, country, purpose, email is not a mandatory field





Data Access- Web services

- (b) Detailed information can be found via https://www.emodnet-biology.eu/emodnet-biology-api
- R package using webservices to download EMODnet Biology data (https://github.com/lifewatch/eurobis/)
- Output formats: csv, json, shapefile, kml

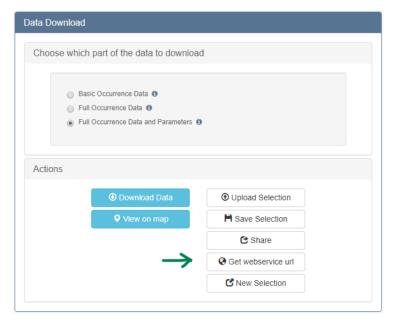


Web services documentation EMODnet Biology Data

The EMODnet Biology data are available as a Web Feature Service (WFS) in accordance with the Open Geospatial Consortium (OGC) specifications. This webservice supports requests for geographical feature data (with vector geometry and attributes). The base link for performing a WFS request to EMODnet Biology is:

https://geo.vliz.be/geoserver/Dataportal/ows?

Essentially, the Download Toolbox developed by EMODnet Biology acts as an interactive builder for WFS requests. The URL to the WFS request can be copied to the clipboard at the last step of the selection in the Download Toolbox.



Technical details of the WFS can be retrieved by following GetCapabilities request:

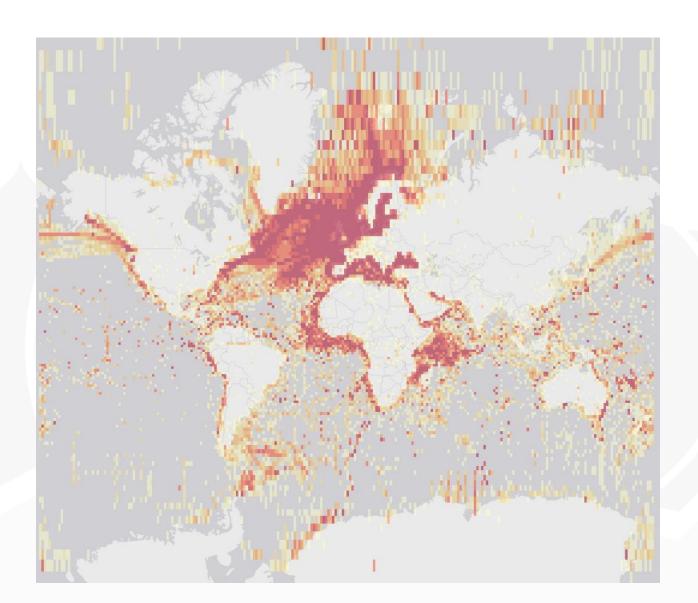
https://geo.vliz.be/geoserver/Dataportal/ows?service=wfs&version=1.1.0&request=GetCapabilities



Data distribution



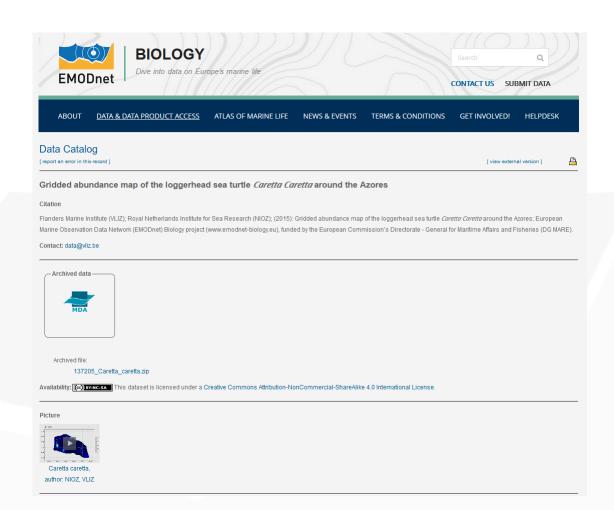
(b) 88% QC-ed data





Data products

- (b) https://www.emodnet-biology.eu/about-atlas
- (b) 28 products





Questions

- Not easy to find the data required for Nature Directive assessments
- (b) Is there information on the data providers?
- (d) As we hold mainly data from scientific expeditions/surveys, how can we avoid duplication with datasets relevant for this legal assessment?
- Who should we contact within EEA/European country's to obtain the data?

