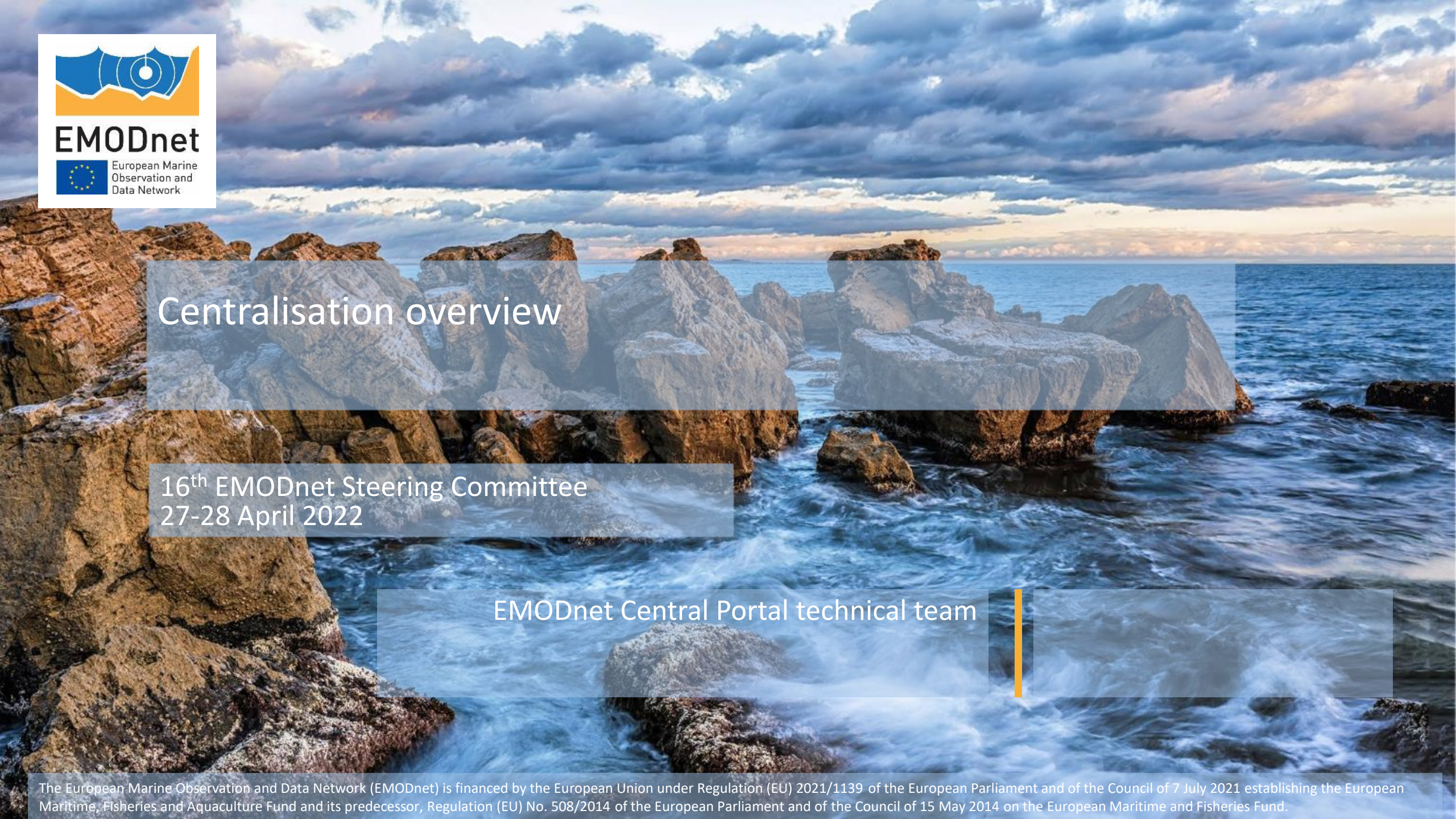


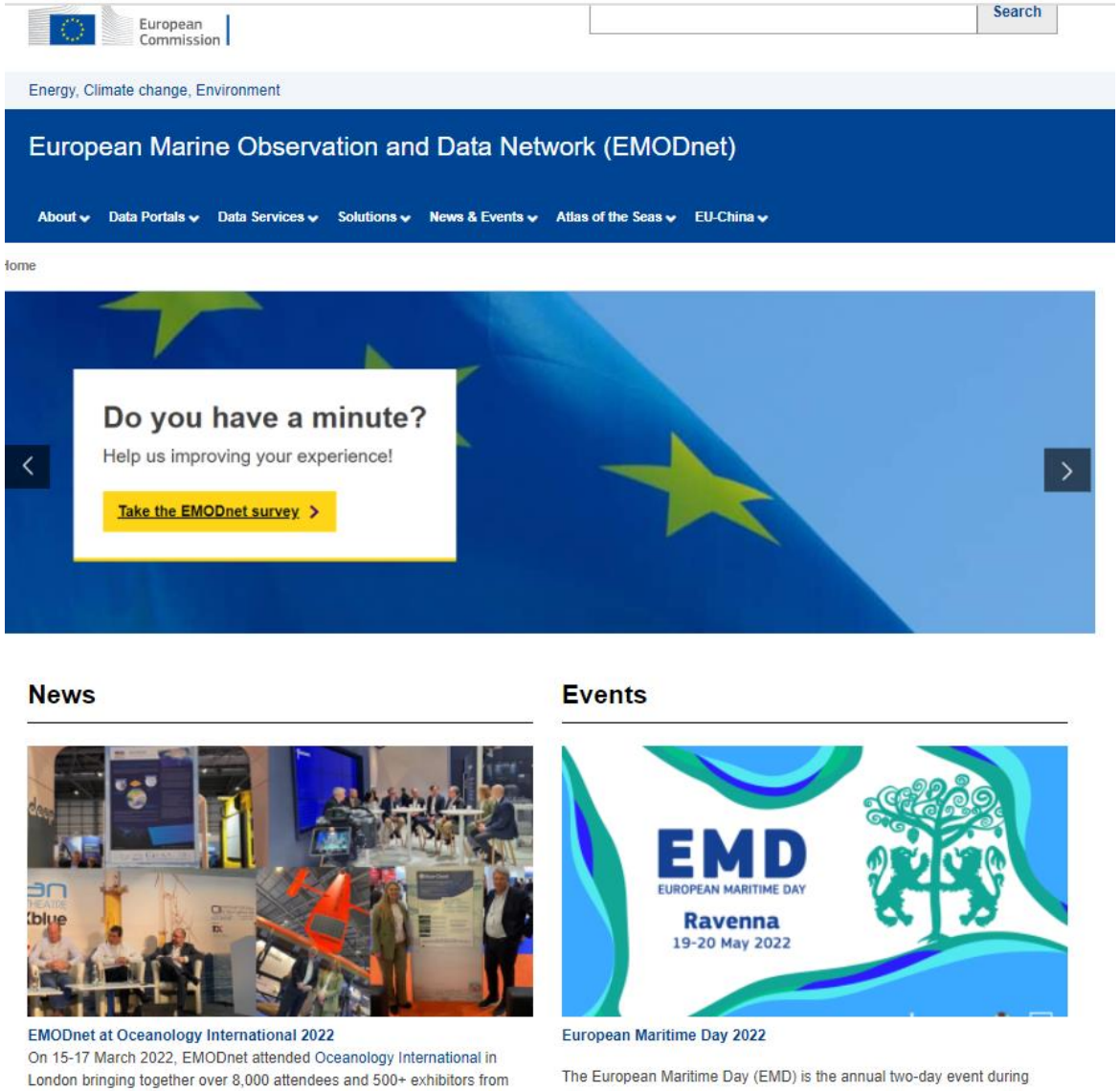
Centralisation overview

16th EMODnet Steering Committee
27-28 April 2022

EMODnet Central Portal technical team

The European Marine Observation and Data Network (EMODnet) is financed by the European Union under Regulation (EU) 2021/1139 of the European Parliament and of the Council of 7 July 2021 establishing the European Maritime, Fisheries and Aquaculture Fund and its predecessor, Regulation (EU) No. 508/2014 of the European Parliament and of the Council of 15 May 2014 on the European Maritime and Fisheries Fund.

New Corporate Look



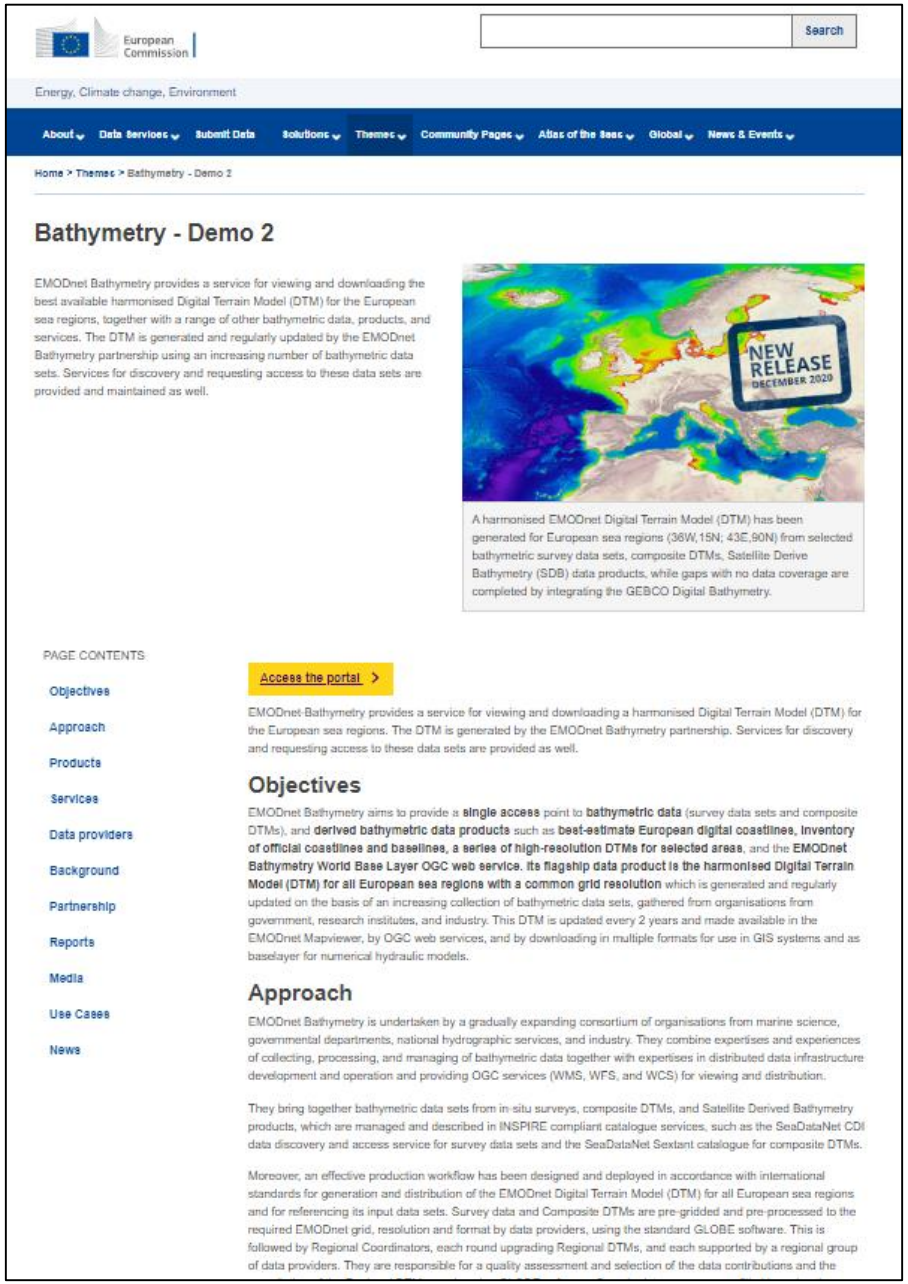
Centralisation: Static Content - Update

Portal	Inventory	Mapping	Content creation/update
Bathymetry	~~EM-306~~ - Content Inventory Bathymetry **DONE** 100 pages/links	~~EM-396~~ - Mapping Bathymetry Portal content to Central Portal **DONE** 7 dedicated Bathy pages needed to be merged/created in CP	EM-508 - Create "NEW' Bathymetry page on CP (dev) **IN REVIEW** Result: 1 page
Biology	~~EM-307~~ - Content Inventory Biology Portal **DONE** 176 pages/links	~~EM-397~~ - Mapping Biology Portal content to Central Portal **DONE** 10 dedicated Biology pages needed to be merged/created in CP	EM-500 - Create "NEW" Biology page on CP (dev) **IN REVIEW** Result: 2 pages
Geology	~~EM-321~~ - Content Inventory Geology **DONE** 51 pages/links	~~EM-410~~ - Mapping Geology Portal content to Central Portal **DONE** 4 dedicated Geology pages needed to be merged/created in CP	EM-501 - Create "NEW' Geology page on CP (dev) **IN REVIEW** Result: 1 page
Human Activities	~~EM-308~~ - Content Inventory Human Activities Portals **DONE** 98 pages/links	~~EM-435~~ - Mapping Human Activities Portal content to Central Portal **DONE** 1 dedicated HA page needed to be merged/created in CP	EM-504 - Create "NEW' Human Activities page on CP (dev) **IN REVIEW (portal)** Result: 1 page

Centralisation: Static Content - Update

Portal	Inventory	Mapping	Content creation/update
Seabed Habitats	~~EM-318~~ - Content Inventory Seabed Habitats **DONE** 107 pages/links	~~EM-411~~ - Mapping Seabed Habitats Portal content to Central Portal **DONE** 4 dedicated SBH pages needed to be merged/created in CP	EM-502 - Create "NEW' Seabed Habitats page on CP (dev) **IN REVIEW** Result: 2 pages
Physics	~~EM-319~~ - Content Inventory Physics **DONE** 53 pages/links	~~EM-441~~ - Mapping Physics Portal content to Central Portal **DONE** 0 dedicated pages	EM-509 - Create "NEW' Physics page on CP (dev) **IN REVIEW (portal)** Result: 1 page
Chemistry	~~EM-320~~ - Content Inventory Chemistry **DONE** 236 pages/links	~~EM-505~~ - Mapping Chemistry Portal content to Central Portal **DONE** 12 dedicated pages needed to be merged/created in CP	EM-506 - Create "NEW' Chemistry page on CP (dev) **IN REVIEW (portal)** Result: 6 pages

Bathymetry Example



European Commission

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Home > Themes > Bathymetry - Demo 2

Bathymetry - Demo 2

EMODnet Bathymetry provides a service for viewing and downloading the best available harmonised Digital Terrain Model (DTM) for the European sea regions, together with a range of other bathymetric data, products, and services. The DTM is generated and regularly updated by the EMODnet Bathymetry partnership using an increasing number of bathymetric data sets. Services for discovery and requesting access to these data sets are provided and maintained as well.

A harmonised EMODnet Digital Terrain Model (DTM) has been generated for European sea regions (36W,15N; 43E,90N) from selected bathymetric survey data sets, composite DTMs, Satellite Derive Bathymetry (SDB) data products, while gaps with no data coverage are completed by integrating the GEBCO Digital Bathymetry.

PAGE CONTENTS

Access the portal >

EMODnet Bathymetry provides a service for viewing and downloading a harmonised Digital Terrain Model (DTM) for the European sea regions. The DTM is generated by the EMODnet Bathymetry partnership. Services for discovery and requesting access to these data sets are provided as well.

Objectives

EMODnet Bathymetry aims to provide a **single access** point to **bathymetric data** (survey data sets and composite DTMs), and **derived bathymetric data products** such as **best-estimate European digital coastlines, inventory of official coastlines and baselines, a series of high-resolution DTMs for selected areas**, and the **EMODnet Bathymetry World Base Layer OGC web service. Its flagship data product is the harmonised Digital Terrain Model (DTM) for all European sea regions with a common grid resolution** which is generated and regularly updated on the basis of an increasing collection of bathymetric data sets, gathered from organisations from government, research institutes, and industry. This DTM is updated every 2 years and made available in the EMODnet Mapviewer, by OGC web services, and by downloading in multiple formats for use in GIS systems and as baselayer for numerical hydraulic models.

Approach

EMODnet Bathymetry is undertaken by a gradually expanding consortium of organisations from marine science, governmental departments, national hydrographic services, and industry. They combine expertises and experiences of collecting, processing, and managing of bathymetric data together with expertises in distributed data infrastructure development and operation and providing OGC services (WMS, WFS, and WCS) for viewing and distribution.

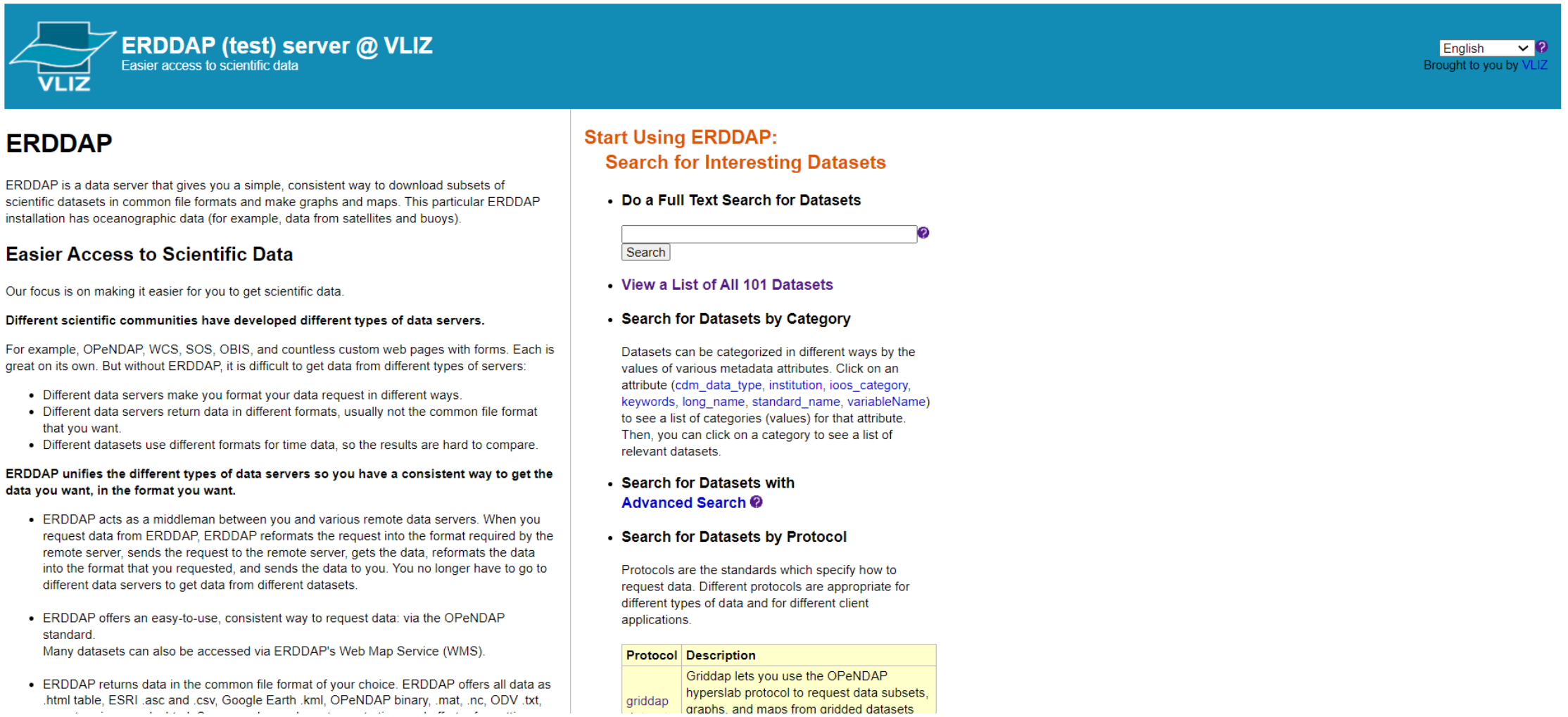
They bring together bathymetric data sets from in-situ surveys, composite DTMs, and Satellite Derived Bathymetry products, which are managed and described in INSPIRE compliant catalogue services, such as the SeaDataNet CDI data discovery and access service for survey data sets and the SeaDataNet Sextant catalogue for composite DTMs.

Moreover, an effective production workflow has been designed and deployed in accordance with international standards for generation and distribution of the EMODnet Digital Terrain Model (DTM) for all European sea regions and for referencing its input data sets. Survey data and Composite DTMs are pre-gridded and pre-processed to the required EMODnet grid, resolution and format by data providers, using the standard GLOBE software. This is followed by Regional Coordinators, each round upgrading Regional DTMs, and each supported by a regional group of data providers. They are responsible for a quality assessment and selection of the data contributions and the

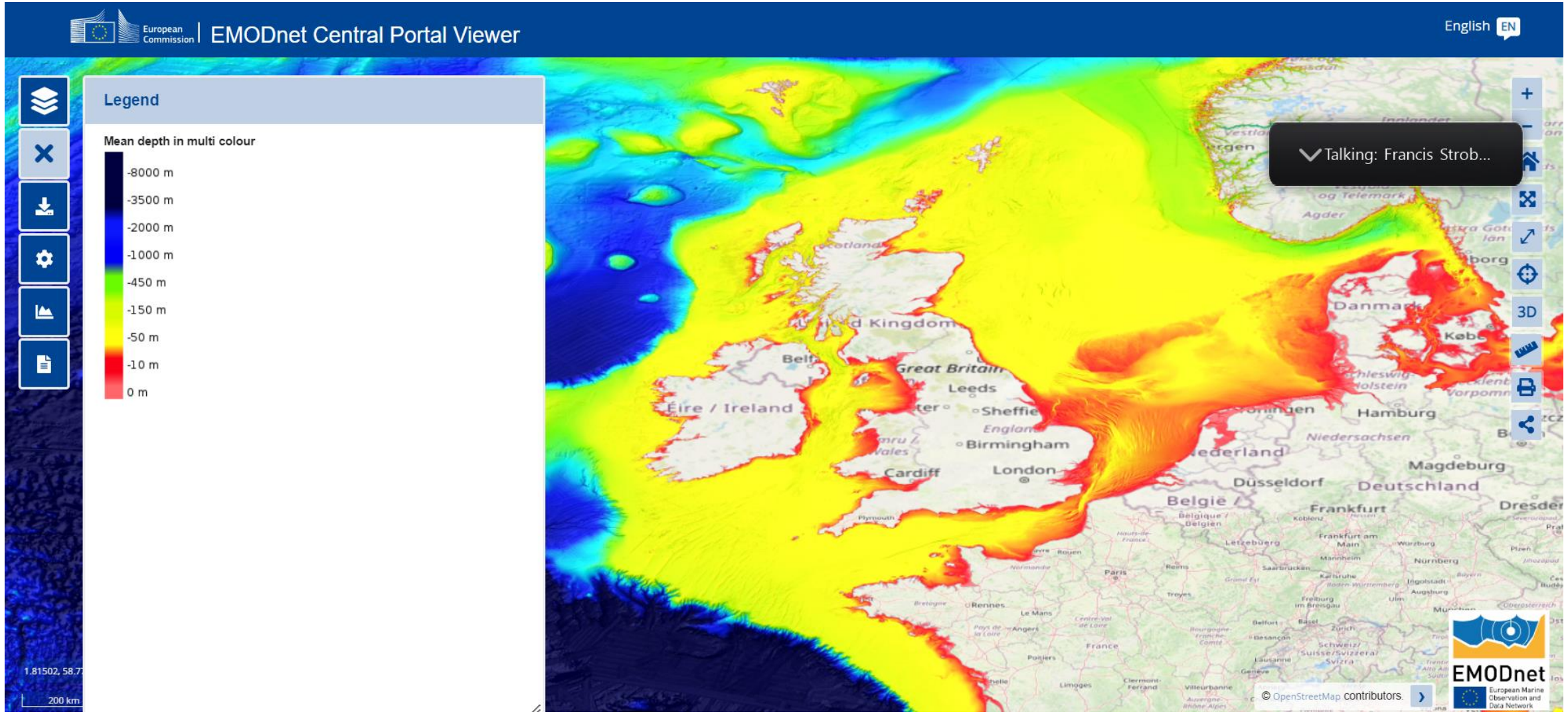
New GeoNetwork

- Version 3.8.3 Implementation complete
- DCAT plugin-> allows EU Open Data Portal to harvest EMODnet catalogue
- Final version deployed and ready to move to production
- Schedule harvest cycle CSW endpoints, for all lots

New Central ERDDAP

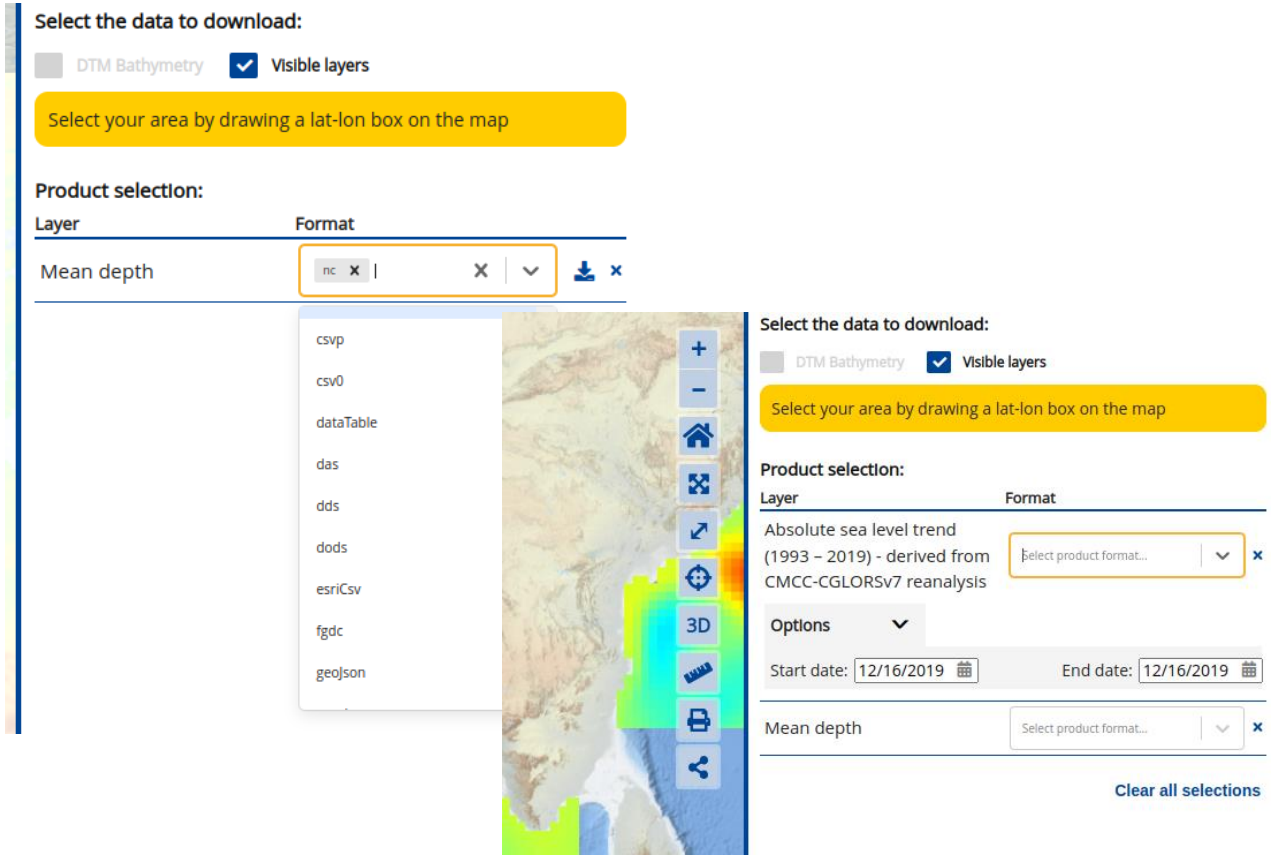


New Map viewer



ERDDAP - Mapviewer

- Subset - query download functionality
- MetaGIS - (VLIZ Layer management tool)

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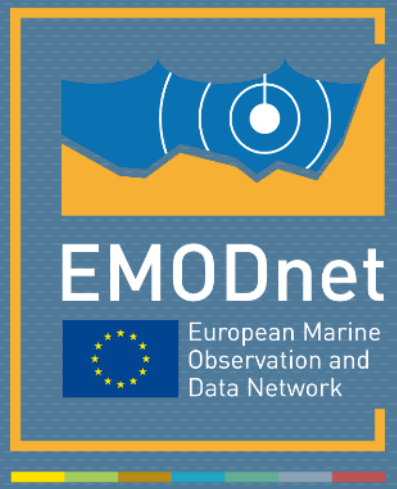

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