



IENWG

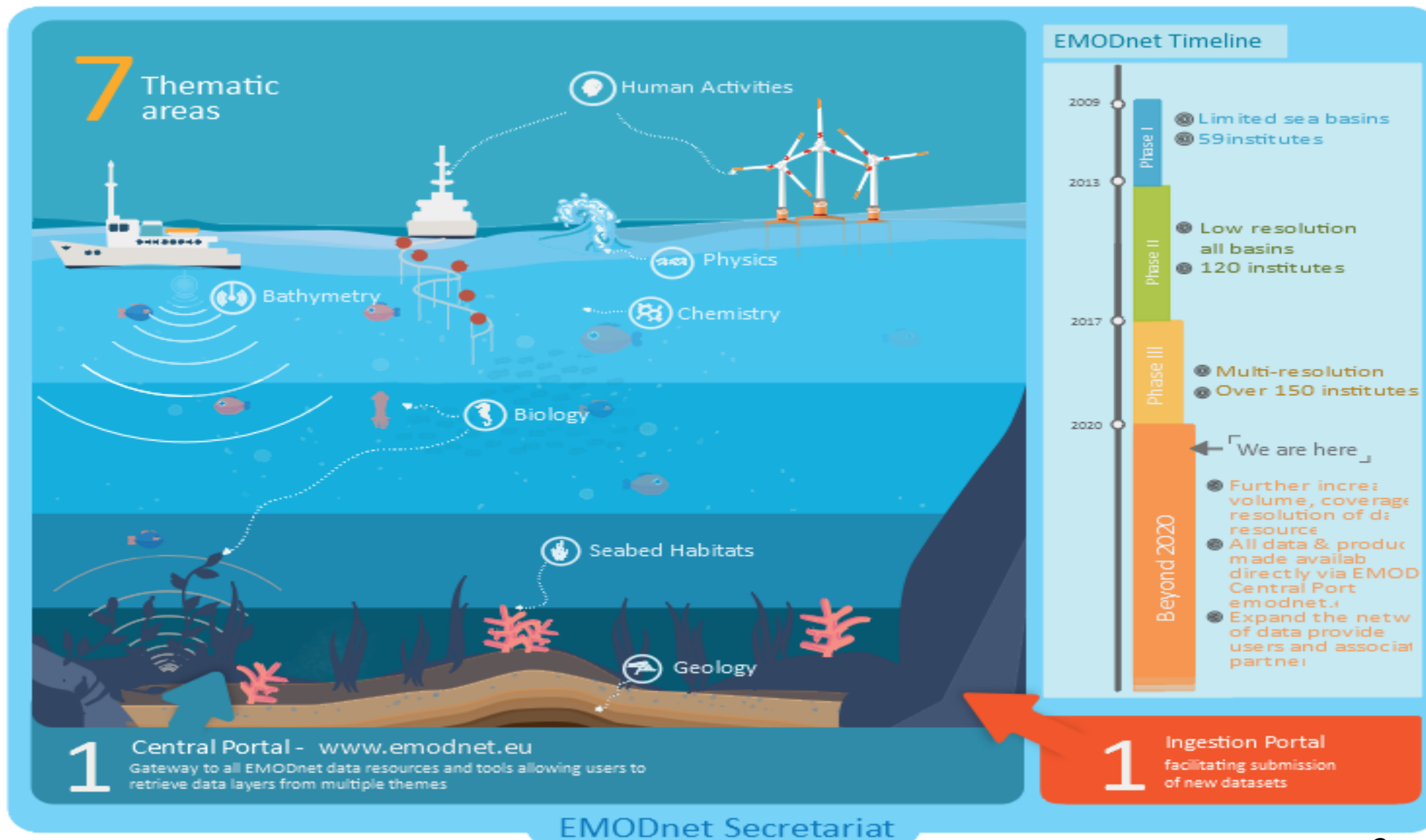
Thierry Schmitt (SHOM)

Dick Schaap (MARIS)

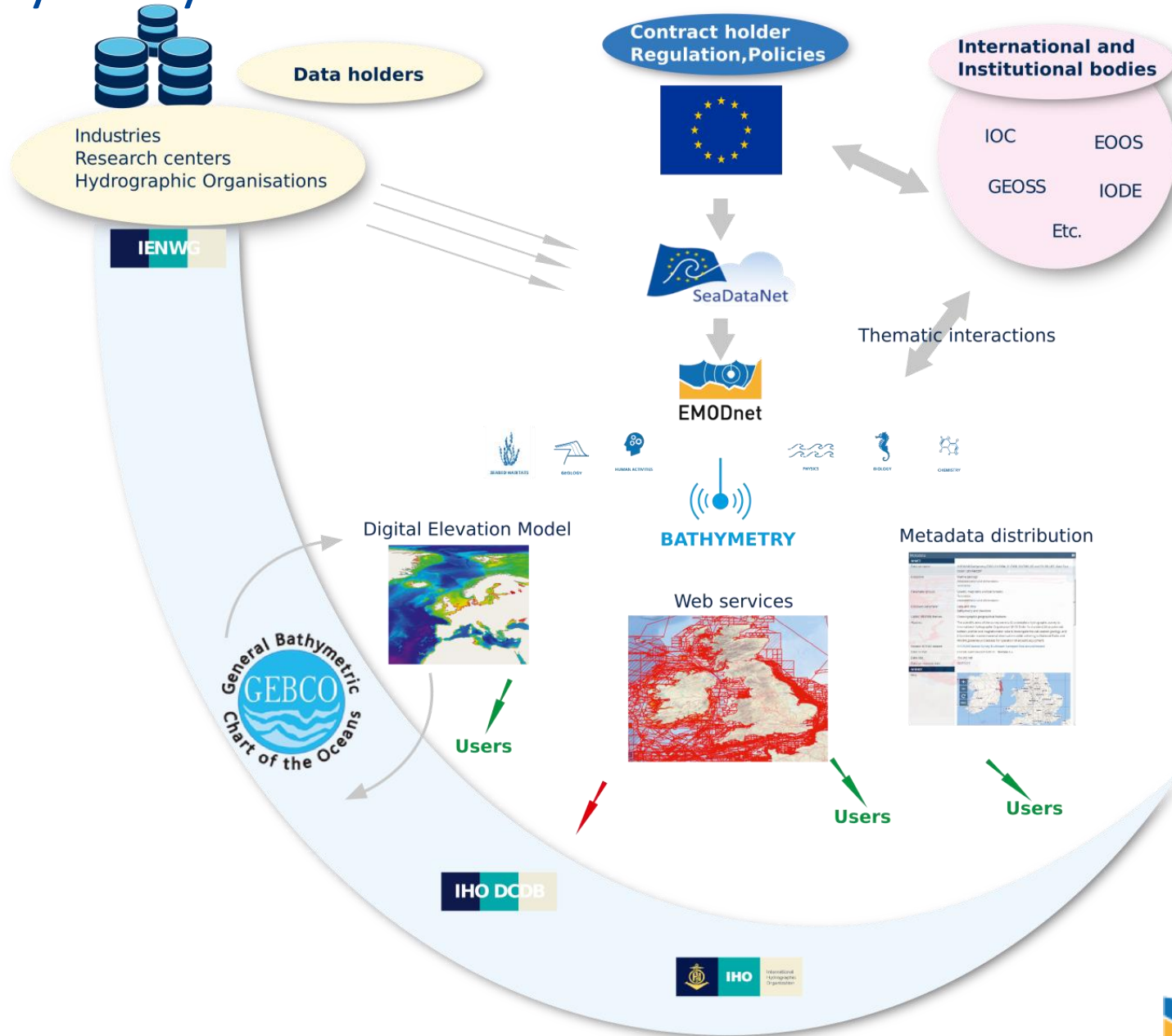
On behalf of the EMODnet Bathymetry consortium

<http://emodnet-bathymetry.eu/>

EMODnet



EMODnet Bathymetry Ecosystem



Members of the consortium

➤ Hydrographic Offices



➤ Research Institutes

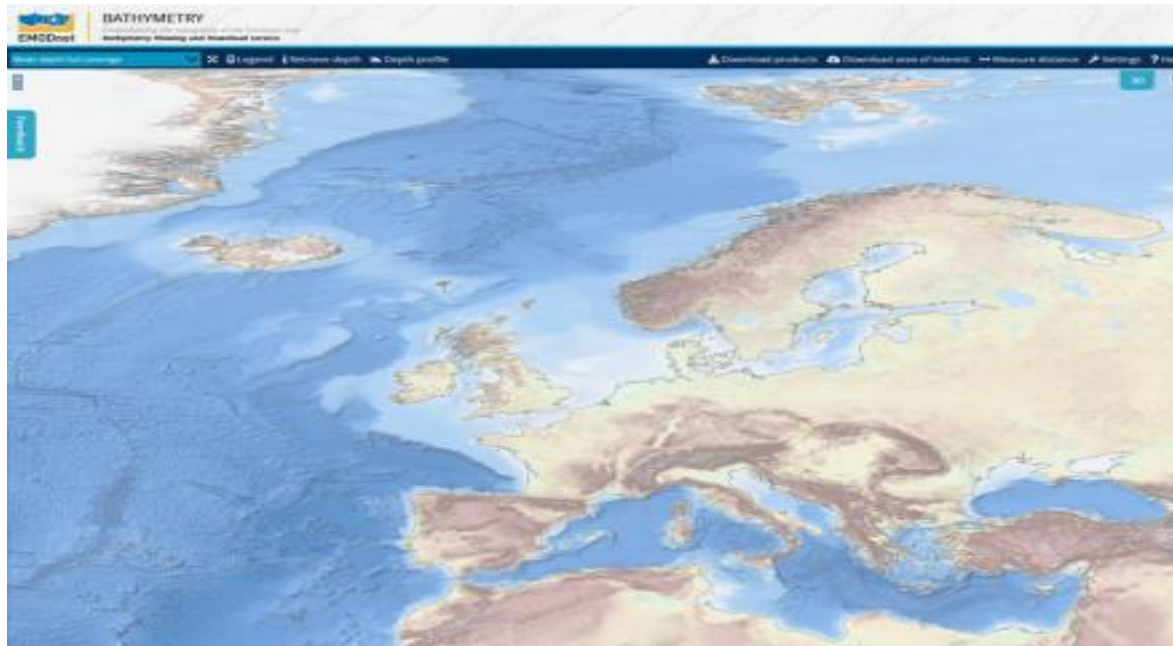


➤ Small and medium-sized enterprises



EMODnet Bathymetry DTM

- 1/16 arc-minute (approx. 100m)
- Built from data from partners (HO, Oceanographic centers, private partners)
- DOI, Free of charge, free to use (under terms)
- Available at MSL and LAT



<http://doi.org/10.12770/18ff0d48-b203-4a65-94a9-5fd8b0ec35f6>

Product selection

Tile	DTM	Product format
D4	2018	ESRI ASCII
D5	2018	ESRI ASCII
E5	2018	ESRI ASCII
E4	2018	ESRI ASCII

Complete the order form. After submission you will receive an email with the download links.
Registered in Marine-ID? then authenticate to pre-fill part of the form

[Authenticate via Marine-ID](#)

Name

Email

Country

Organisation

Organisation type

Usage


[Submit request](#) [Back](#)

Bathymetric metadata

- Each polygon/poly-line shows the bathymetric coverage/location
- Associated Metadata (INSPIRE compatible, based upon an unified and agreed thesaurus)
- Source data held by the data provider, who decide how to provide its dataset to the final user

WHAT?
Data set name: vakkling NH-5K
Discipline: Marine geology
Terrestrial
Parameter groups: Gravity, magnetics and bathymetry
Terrestrial
Discovery parameters: Bathymetry and Elevation
GEMET-INSPIRE themes: Oceanographic geographical features
Abstract: Bathymetric data extract from bathymetric database
Data format: XYZ ASCII Version 1.0
Data size: 0.1
Data set creation date: 20140613

WHERE?
Map

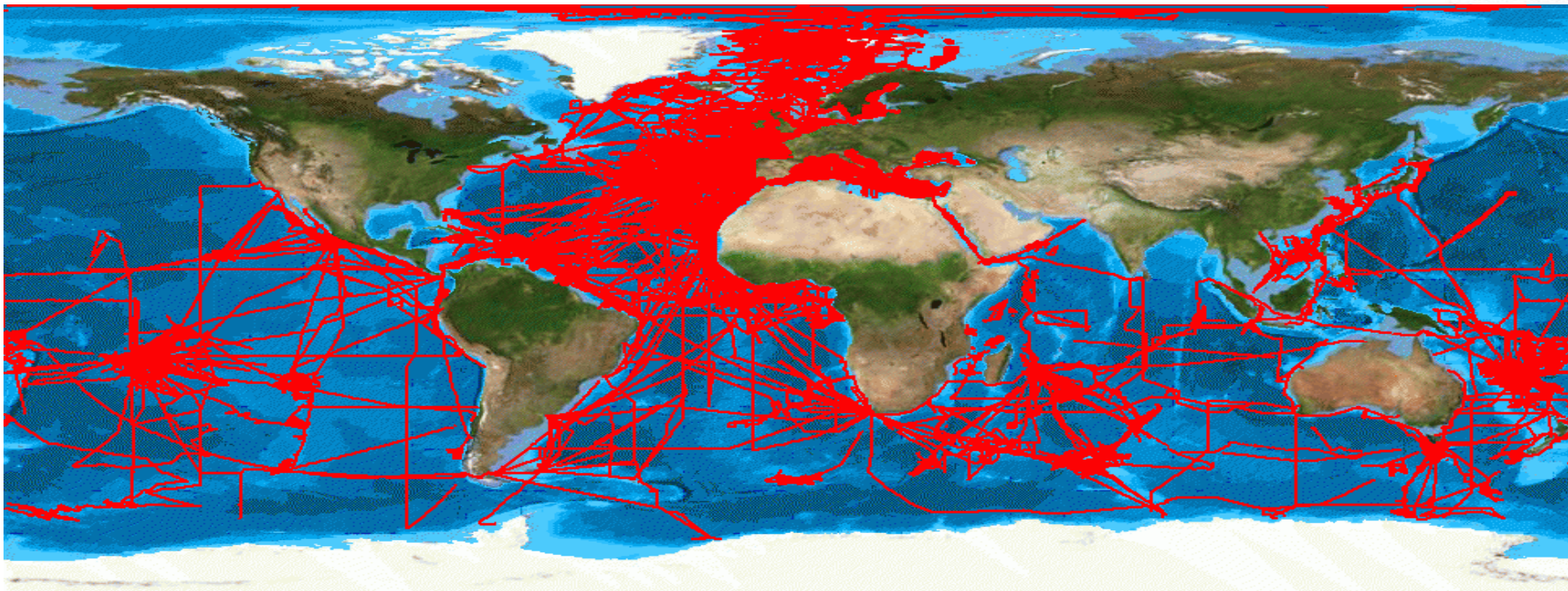


GML id
GML objects: ms01

Name	Description
BA16522_6132	coverage

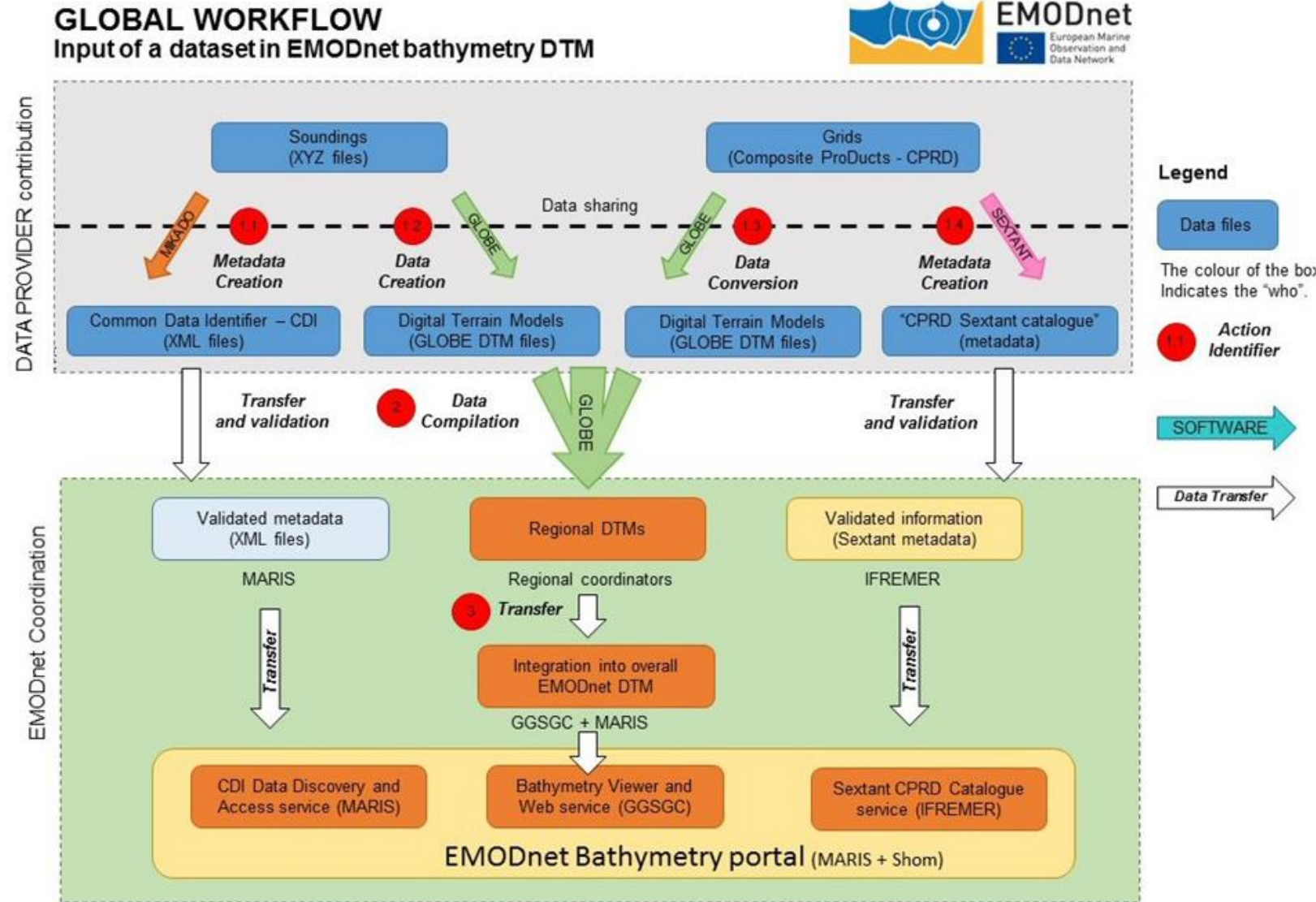
Datum
Measuring area type: surface
Water depth (m): -9999
Depth reference: Normaal Amsterdams Peil
Minimum instrument depth (m): -9999
Maximum instrument depth (m): -9999

North Sea



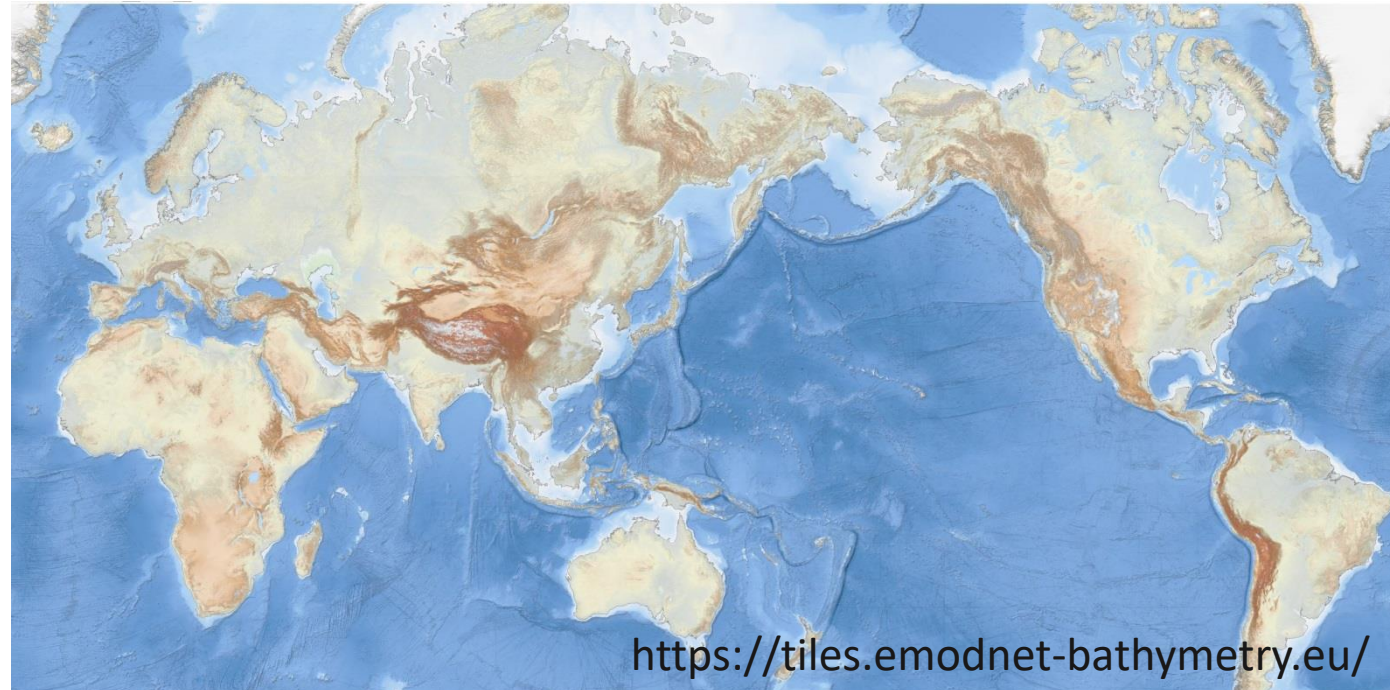
Status update

- Update of CDI and CPRD catalogues
- Including additional SDB data products
- Data providers have updated their contributions to the EMODnet DTM
- Basin coordinators have carefully compiled each of the 12 Basin sub-DTMs
- Release of the full EMODnet Bathymetry DTM 2020 product and associated services (mid December 2020)
- Final reporting towards the end of the contract.
- Finalizing new contract with EASME for coming 2 years



Recent activities

- IHO General Secretary presentation at the 10 years anniversary of the EMODnet network.
- Preparing GEBCO Seabed 2030 meeting to be held (11-15 Jan 2021) remotely from UNESCO-IOC (Paris) jointly organised with Shom (as part of UN decade of the Ocean)
- Remote presence at the Crowd source bathymetry working group, monthly Seabed 2030 / GEBCO technical working groups
- Re-inforcing contact with NATO NCIA who are now using EMODnet Bathymetry data
- EMODnet Bathymetry presented in the recent issue of “Hydrographische Nachrichten - Journal of Applied Hydrography“ with focus on the German partners
- June 2020: Release of the EMODnet Bathymetry World Base layer service which is meant to be used as a base layer for other thematic lots and external portals



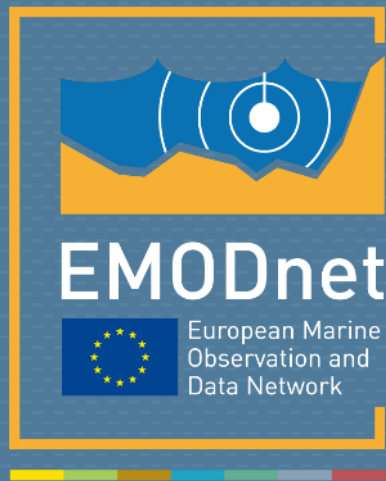
New contract and future Outlook

- From 12/2020 to 12/2022. Currently being counter-signed by EASME
- Potential new data providers : Poland, Island, Spain, Vliz (Belgium).
- New area of interest: “European overseas territories” : Caribbean seas
- Pursue effort in evaluating “new technologies” to fill data gaps (SDB, Altimetry, IceSat-2)
- Unifying all portals EMODnet thematic portals in a unique data portal. Foundation for the “Digital Twin of the Ocean”
- DG MARE to propose a 10 years strategy for approval.

“DG MARE is constantly working towards stabilizing further EMODnet, as it considers it one of the main flagships European initiatives in the area of marine observation. The integration of the lots is a crucial step towards formulation of a long-term vision for the network.” Zoi KONSTANTINOY – DG MARE Police officer

EMOD-Pace: EU – China collaboration

- Objectives:
 - Develop protocols to allow data from EU's European Marine Observation and Data Network (EMODnet) and the Chinese National Marine Data and Information Service to be seamlessly combined in order to provide a more precise, more complete and more coherent picture of these changes
 - Compare approaches for the performance of models and indicators for circulation, seabed habitat and ecosystem vulnerability in European and Asian seas
 - Assess how coastlines between Europe and Asia are changing in terms of sea-level-rise, coastal erosion and wetland degradation.
- Duration : 30 months
- Initial bi-lateral meeting: 30 March – 3 April 2020
- Results
 - Ongoing: Coherency of metadata content
 - Ongoing: pre-grided chinese bathymetric dataset to be made available



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