

# EMODnet Bathymetry status report

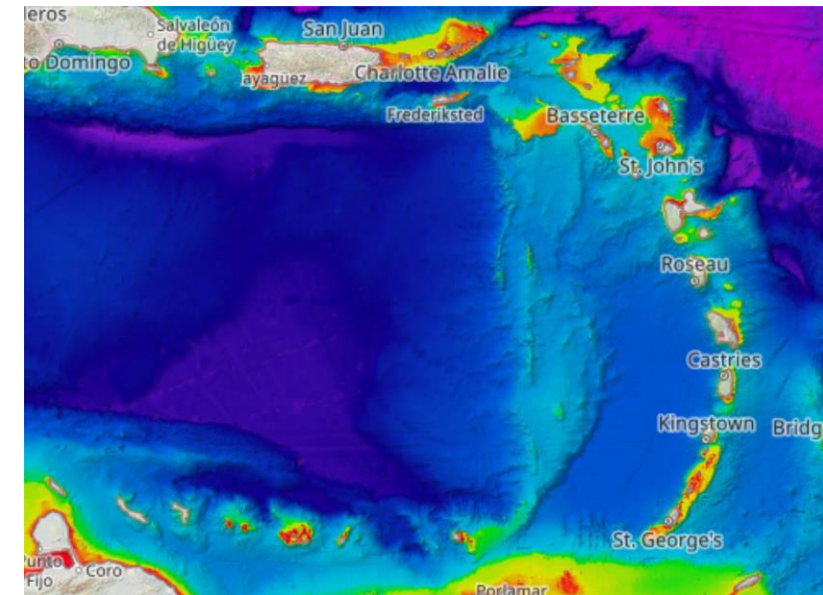
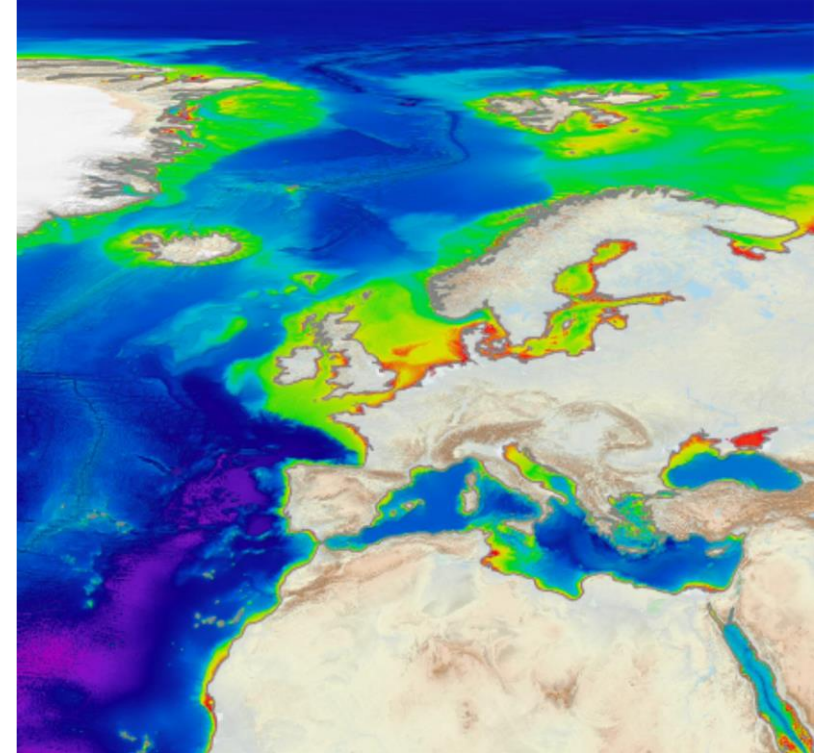
18th EMODnet Steering Committee  
23 May 2023

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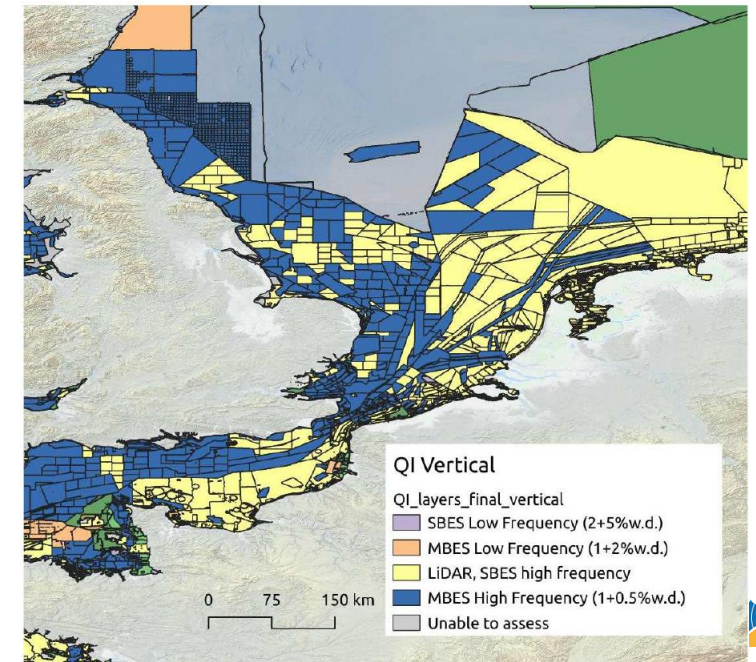
# Status update

- Phase 2020-2022 ended in December
- New phase, underway since 20 December 2022
- Metadata population increasing steadily with new surveys (41315) and composite DTM (274)
- Release of the full EMODnet 2022 DTM (13/04) and all associated deliverables
- Release of the new Caribbean DTM
- Associated products and reports submitted in April 2023 and accepted in May 2023 (details next slide)



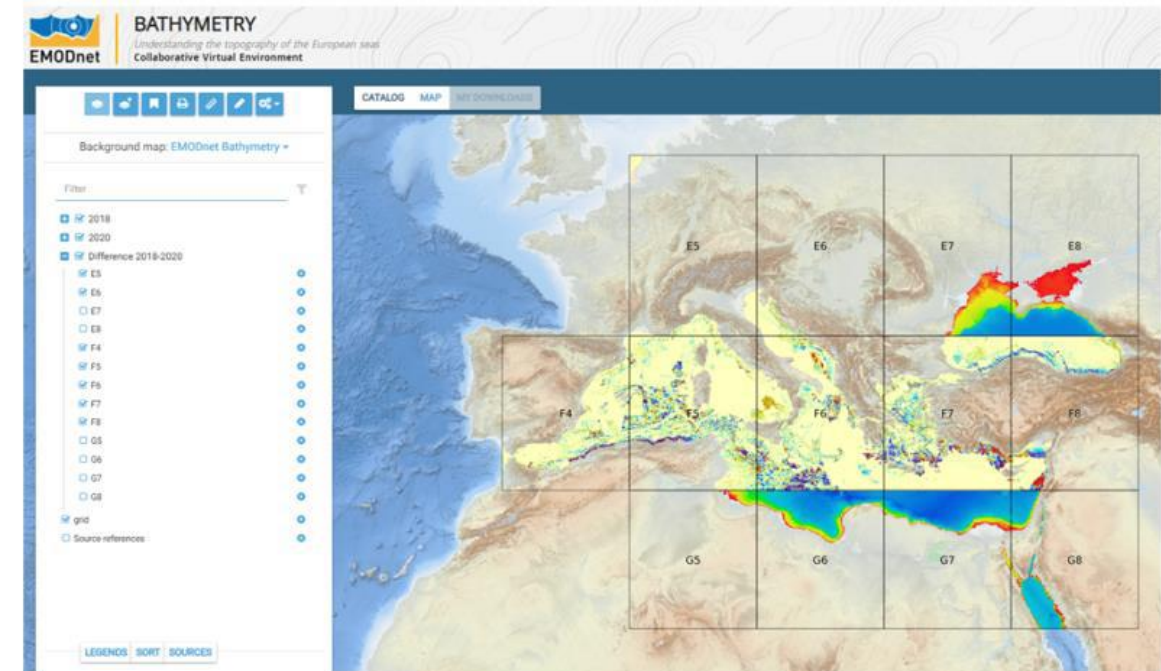
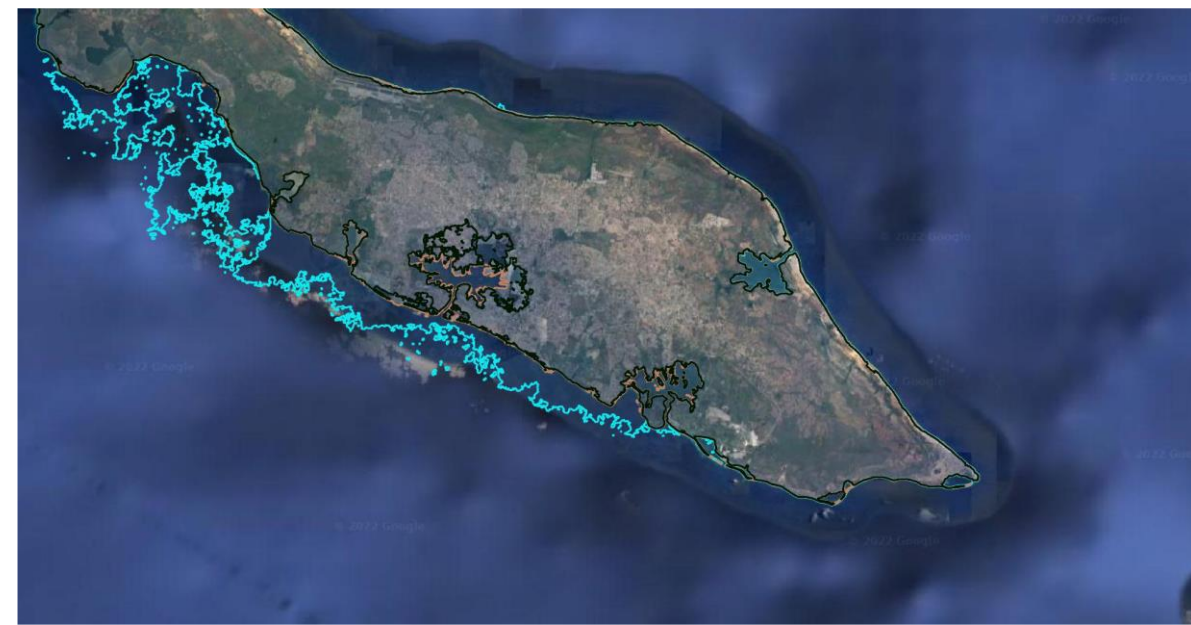
# New product releases

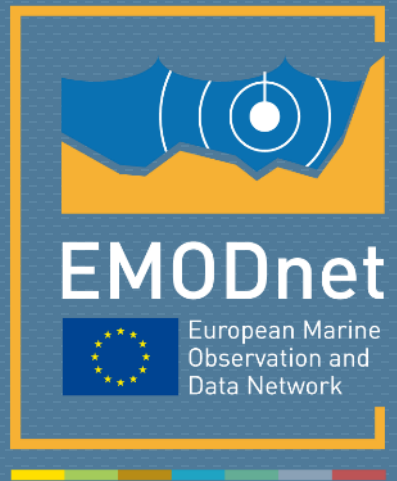
- **2022 release of satellite derived coastlines for Europe and Caribbean at LAT, MSL and MHW reference levels**
  - Based upon Sentinel-2 and Landsat-8
  - Tidal levels using Global Tide Surge Model (GTSM)
  - Integrated in OGC services, CP Map Viewer and data set downloadable from CP Product Catalogue
  - Report in CP Reports catalogue
- **2022 updated inventory of national baselines and official coastlines**
  - Shapefiles downloadable from CP Product Catalogue
  - Report in CP Reports catalogue
- **Number of high resolution DTMs for selected areas expanded from 245 to 264 files**
  - Resolution varies between 1/32 and 1/512 arc minutes
  - Integrated in OGC services, CP Map Viewer and HR-DTM files downloadable from CP Map Viewer and CP Product Catalogue
- **2022 Quality layer**
  - Expression of the local quality of the DTM (according to vertical resolution, horizontal resolution age of the survey and intended usage)
  - Provided at the level of each of the bathymetric source composing the DTM
- **CP integration and DTM update**
  - CP launch in January with 2020 DTM
  - New DTM and product successfully integrated in the portal



# Future Outlook

- New phase is now under way with
  - Inventory/update with new metadata/data (M12)
  - Compilation at regional level (M17)
  - Global compilation (M23)
  - Production of the new Caribbean region DTM (M23)
  - Expand number of HR-DTMs (M23)
- Updating the European Digital Coastlines at LAT, MSL, and MHW using new satellite images and covering also Caribbean region (iterative)
- Pursue technical developments undertaken in the 2020-2022 phase (interpolation methods, non-conventional measuring method: IceSat2, use of use of CVE to facilitate the validation of the DTM)
- Plenary meeting to be planned early fall 2023 (with technical workshops/updated methodology/tools)





[emodnet.ec.europa.eu](http://emodnet.ec.europa.eu)

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