

EMODNET Report to the BSHC 29th Conference

SMA as Regional EMODNET Bathymetry Coordinator hereby report the following.

1. Status of EMODNET in the BSHC region

The 2022-2024 Emodnet project is ongoing and in the final stage at this point. As earlier reported Anna Wall at SMA acts as Project Manager for SMA, as well as regional coordinator for the Baltic Sea region. SMA's responsibility area is the Baltic Sea region, east of 10°E, and in the Baltic Sea part of Denmark and Germany east of 9.4°E

The EMODnet 2024 model has the same resolution 1/16 Arc. Min. (115x57.5m at LAT 60deg.) as the former model. Its unprojected grid often causes extreme amounts of interpolations as Zoning, according to INSPIRE grid specifications, is not used. As an example given the restrictions for bathymetry in Swedish territorial waters, maximum 2 out of 13 Emodnet cells (at 60° Lat) will be populated by true soundings and the remaining cells are interpolated. The use of zoning would have meant that we had 1/16 Arc. Min. resolution in Lat and 1/8 Arc. Min. in Long for the Baltic Sea region and a more square-shaped cells 115x135m in the south and 115x93m in the northern part.

2. Performed work

All available data from our region has been merged together into a 1/32 min resolution grid and each cell has been linked to the available Metadata. A first interpolation was made in the beginning of this summer. After interpolation we performed a reduction to the final 1/16min resolution, that was delivered from us, and we are now awaiting any comments and possible need for corrections of data/metadata.

Soon the big task including the merging of all different regions to create the large homogenous DTM will be performed. After that there will be performed further QC checks on the large DTM and preparations for publication in the portal

3. New EMODnet project period

The 2025-2026 Emodnet procurement was published in mid May and the tenders is currently under evaluation. Planned full partners from our region is Latvia (MAL), Germany (BSH), Sweden (SMA), and Stockholm University. Denmark (DGA) continues as subcontracted data provider. Contract for the next project period is expected to be signed in December.

The procurement includes the possibility for a renewed contract period of 30 months for the period 2027-2029.

4. Actions requested

BSHC 29 is invited to:

1. Note the EMODNET report
2. Take any further action as appropriate