

BOOS Annual Meeting 2019

Member report

Institution	Swedish Maritime Administration (SMA)
Country	Sweden
Observations	<p>SMA observes sea level at 37 locations. An upgrade of the Swedish Sea Level Network, total 59 stations, is ongoing in cooperation with SMHI and will be concluded in 2019 (within the FAMOS Odin-project, partly finance by EU).</p> <p>All Swedish sea level data and information will be related to the Baltic Sea Chart Datum 2000 (BSCD2000) in June 2019. For BOOS products (SMHI-BOOS FTP-box etc.), the change of reference system will be implemented in August 2019.</p> <p>SMA also observes water temperature at several sea level stations and currents at several locations, close to harbour entrances.</p> <p>SMA owns five ice-breakers equipped with ferrybox systems (in cooperation with SMHI). All observation platforms are visible here.</p>
Modelling	-
Data, product and service	<p>SMA presents data in the VIVA system.</p> <p>SMA plans in cooperation with SMHI to distribute all oceanographic data to the BOOS Data portal and hence the Copernicus Marine Service and EMODNET-Physics. Data will be available at the latest in August 2019.</p>
Projects including BOOS partners	<p>SMA participates in FAMOS Odin (2017-2019, partly EU-financed), concerning observations of Sea Level, Gravimetry and Bathymetry. Also, SMHI and BSH are project members. Planning for a continuation of FAMOS from 2019 are ongoing. Probably the continuation will be accepted by the end of 2020 (STM-FAMOS).</p> <p>EMODNET-Bathymetry – produce a Digital Terrain Model (DTM) for the Baltic Sea (116x116 meters resolution).</p>
Other relevant projects	-
Involvement in BOOS tasks	<p>SMA updates BOOS Stations web service, showing all available oceanographic observations in the Baltic.</p> <p>SMA updates the table with reference datums in relation to the Mean Sea Level (MSL) at the BOOS Sea Level Stations. SMA acts as Chair in the BSHC Chart Datum Working Group (CDWG), responsible to coordinate the transition into one common reference datum for sea level and nautical charts in the Baltic Sea; Baltic Sea Chart Datum 2000 (BSCD2000).</p> <p>SMA will give a presentation about the Chart Datum Working Group at the BOOS Workshop to be held back-to-back with the BOOS Annual meeting in Rostock 12-13 June 2019.</p>
Involvement in EuroGOOS WGs, TTs	SMA is a member of the Tide Gauge Task Team (TGTT) and responsible for GLOSS tasks and issues.
Suggestions to BOOS future activities	<p>SMA are willing to participate in the BOOS Observation Programme.</p> <p>SMA are willing to helping out and update the BOOS Web page upon request, together with other BOOS institutes.</p> <p>SMA are willing to take the lead to implement Baltic Sea Chart Datum 2000 (BSCD2000) as the common reference datum for sea level information in the Baltic Sea.</p>
Additional information	SMA is a member of BOOS since May 2017.