

BOOS Annual Meeting 2019

Member report

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| Institution | Joint GeoMETOC Support Center (previously FCOO) |
| Country | Denmark |
| Observations | The governmental responsibility for current observations in the Danish Straits has been transferred from DMI to Joint GeoMETOC Support Center. There is one station close to the Drogden Sill and two stations in the vicinity of the Great Belt bridge. For technical and administrative reasons it may take a while (a year?) before they are in operation. |
| Modelling | <p>Status: GETM: Operational barotropic 2D model covering the Northern North Atlantic. To generate open boundary conditions to baroclinic model. Operational: baroclinic 3-dimensional model covering North Sea – Baltic Sea region</p> <ul style="list-style-type: none"> - One way nested (1nm. and 1/3 nm.). - 60 vertical layers, general vertical coordinates - 4 times a day - 56 hour <p>Wave model Wave Watch III:</p> <ul style="list-style-type: none"> • Four one way nested models, with focus on the inner Danish waters. The horizontal resolution for the the Arctic - North Atlantic, North-West European Shelf, North Sea – Baltic Sea, and the Inner Danish water models are 18nm, 9nm, 3nm and 1 nm, respectively. 56 hour forecasts • 4 times a day • Updated to version 5.14 • Includes effect of sea ice. Sea ice is a CMEMS product produced by Finnish Meteorological Institute (FMI) <p>Seatrack Web:</p> <ul style="list-style-type: none"> • Oil dispersion model for the Danish Waters and Baltic Sea • Includes Stokes drift forcing from Wave Watch III <p>Under development:</p> <ul style="list-style-type: none"> • GETM: Changed drag coefficient parameterization in the barotropic North Atlantic model. To be operationalized • GETM: Improving tides in the operational 3D GETM setups • GETM: Improve Baltic Sea deep water salinity and temperature in GETM • WW3: Update to version 6 • WW3: Submit our updates to WW3 master, such as rotated grid at open boundaries, and improved description of Stokes drift |
| Data, product and service | SeatrackWeb Internet service (public): Real-time observations and forecasts available at IFM Maps (ifm.fcoo.dk) Current forecasts to Search And Rescue (SAR) System |
| Projects including BOOS partners | Multi-Model-Ensemble (MME) project |
| Other relevant projects | None |
| Involvement in BOOS tasks | None |
| Involvement in EuroGOOS WGs, TTs | None |
| Suggestions to BOOS future activities | None |
| Additional information | None |