BOOS Annual Meeting 2018

Member report

Institution	Defence Center for Operational Oceanography, FCOO
Country	Denmark
Observations	No activity
Modelling	***Status:*** 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 • GETM code One way nested (1nm. and 1/3 nm.). 60 vertical layers, general vertical coordinates 4x daily 56 hour Wave model Wave Watch III • Three one way nested models, with focus on the inner Danish waters. The horizontal resolution for the North Atlantic model, North Sea – Baltic Sea, and the Inner Danish water models are 9nm, 3nm and 1 nm, respectively. 56 hour forecasts 4 times a day Seatrack Web: • Oil dispersion model for the Danish Waters and Baltic Sea Improved mixed layer temperature in GETM – changed Jerlov coefficient Oil drift system SeaTrackWeb web is setup for Greenland waters Under development: • Sea ice module for the operational model (GETM) in the North Sea – Baltic Sea region • Improve Baltic Sea deep water salinity and temperature in GETM • Replacing Meteo forcing from DMI-Hirlam to DMI-Harmonie and ECMWF IFS • Validating EHYPE, which is used as river forcing to GETM
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