## BOOS Annual Meeting 2018

### Member report

<table>
<thead>
<tr>
<th>Institution</th>
<th>Defence Center for Operational Oceanography, FCOO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Country</td>
<td>Denmark</td>
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<tr>
<td>Observations</td>
<td>No activity</td>
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</tbody>
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### 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