Several annual monitoring cruises in the western Baltic Sea with chemical focus

The BSH monitoring network is supplemented by research-platforms for wind plants called FINO. FINO2 is located in the Baltic Sea and working since 2008. The access to FINO data was restricted, but since 2018 it is freely available.
A new type of buoy for the position Oder Bank is developed by the IOW on behalf of the BSH. A first trial was promising, a second trial is starting with both buoys running in parallel. Finally, the new spar buoy shall replace the old discus buoy.
Modelling – Status

operational on national level:

• Baroclinic 3 dim. circulation model (HBM) including biogeo-chemical model (ERGOM) with 2 nested grids (3 nm for whole Baltic, 0.5 nm for Western Baltic), 3 day Forecasts, 2 x daily
Modelling – Status

operational on European level:

- Multi-model-ensemble of SST, SSS, SSC, SBT, SBS, transports, and water level for CMEMS Baltic MFC based on all available model results from BOOS partners (Golbeck et al., 2015)
Publicly available via internet (www.bsh.de):

→ Observations:
  • Ice charts and reports

Contributions directly to BOOS:
  • Lead of BOOS cooperation on common cal/val tools
Data and products on BOOS homepage:

• **MME currents** and transport forecasts for the Baltic Sea and the North Sea/Baltic Sea transition area

• Presentation of results from Multi-model-ensemble: uncertainty estimates, warning system, and validation

• **Product quality information on the forecast products from CMEMS Baltic MFC**
A database of all sea state data observed by BSH and others (where available) is built up.
Projects including BOOS Partners

- **Baltic LINes / PanBaltic Scope:**
  Coherent Linear Infrastructures in Baltic Maritime Spatial Plans
  BOOS partners involved: SYKE
  www.balticlines.eu
  www.nordregio.org/research/panbaltic-scope
Other relevant Projects

- **SOUND:**
  Sound mapping, development of standards, tools, and visualisation
  no weblink known
Suggestions to BOOS Future Activities

Investigation of possibilities to:

- regularly monitor marine plastics in the Baltic Sea
- exchange measurements of sound
- produce common BOOS charts or other products from these observations
The second STG term of Jan Reißmann ends in 2019.

Thorger Brüning is nominated as BSH candidate for the BOOS STG and also as a candidate for the BMP Board.