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Member Report 2019 - BSH



Jan H. Reißmann
Rostock, 13.06.2019

- **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.**

Observations – New Initiatives

- 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.

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

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**

Data, Product and Service – New Initiatives



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- 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



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- **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.