### Ice – ocean model of the Baltic Sea

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## Block diagram of the Baltic Sea model configuration





## Model domain and bathymetry (66 vertical

#### Nemo model implementation in progress

- Data identical to B-CESM
- Works fine, but still we have two main problems:
  - We have added sea level assimilation in the barotropic equation but it has influence on temperature im that area
  - Problems with vertcal structure (mainly located in turbulence)

#### Vision

- Multi Model Enasmble directed by BSH can be good starting point
- Comparison across different scales? For example internal waves
- Finding key locations/procesess and compare them

- Sharing data (mostly experimental from our cruises (RV Oceania) see examples
- We run WRF operational simulation with 10 km horisontal resolution – we are able to share data (currently we have since 2014, but we are able run long time simulation)





# Sill.About two months here, but estimated time of total is 2 years of recording



Thank you