

BOOS Scientific Workshop (hybrid)

Time: Tuesday, 2024 May 7th 9-17 CEST

Place: Meeting Room MC01, DMI, [Sankt Kjerd Gård 11 \(SKG\)](#), 2100. Copenhagen Ø

Please be noted that DMI has moved to a new location, which is about 500m away from the old place.



Meeting link: [Tilmeld dig mødet nu](#)

Meeting ID: 335 024 001 589

Pass code: HiBd9H

Organizers' phone:

- Jun She: +45 21146868
- Jens Murawski: +45 28689908
- Vibeke Huess: +45 24244470

Opening of SKG Reception: 8:30-16:00

Arrival at DMI: 8:30-9:00

Lunch: 12:00 – 12:50 DMI Canteen (6th floor, tables reserved)

Note:

- Meeting room: our meeting room (MC01) is for 35 persons however it is a long, narrow room. Only one screen is available in the room, so when prepare presentations, please avoid small texts in your slides
- Presentation: each presentation will be 15minutes incl. Q&A.
- The meeting will be hybrid.
- Please either send your presentation to Jun (js@dm.dk), or put it in cloud or a usb before the meeting.
- Local internet access will be available in the reception.

Agenda

09:00 - 09:10 Welcome from DMI (Anna-Sofie H. Skjervedal, Head of Weather Research Department, DMI)

09:10 – 09:15 Practical issues (Jun She)

Session 1 (Chair: Jun She): EuroGOOS update and ongoing projects

09:15 - 09:30 EuroGOOS updates and Ocean Decade (Dina Eparkhina, EuroGOOS Office)

09:30 - 09:45 From operational to digital oceanography: recent ocean modelling activities at DMI (Jun She)

09:45 – 10:00 Environmental monitoring with remote sensing and model data - the projects NECCTON and EnsAD (Thorger Brüning, BSH)

10:00 – 10:15 New concept for integrated assessment of pollution sources in the sea (Marie Maar, AU)

10:15 – 10:30 LandSeaLot EU Project overview (Patrick Gorringer, SMHI)

Coffee break 10:30 -11:00

Session 2 (Chair: Thorger Bruening): Digital oceanography and Ocean Mission

11:00 - 11:15 Offshore wind farm impacts of wake effects on ocean conditions (Jens Murawski, DMI)

11:15 - 11:30 Simulation of turbulence produced by wind turbines in the North Sea and Baltic Sea using HBM (Sonaljit Mukherjee, DMI)

11:30 - 11:45 Nutrient extraction and ecosystem impact by suspended mussel mitigation cultures at two contrasting sites (Marie Maar, AU)

11:45 - 12:00 HBM On-Demand / EDITO Datalab (John Lavelle, DMI)

Lunch break 12:00 - 13:00

Session 3 (Chair: Taavi Liblink): Ocean observations and monitoring instruments

13:00 – 13:15 [Presentation on Baltic Sea Chart Datum 2000](#) (Thomas Hammarklint, SMA)

13:15 – 13:30 Remote sensing products for sea surface temperature for the Baltic Sea for the Copernicus Marine Service (Ioanna Karagali, DMI)

13:30 - 13:45 Sail4Oxygen – Marine citizen observations in western Baltic Sea (Toste Tanhua, GEOMAR, online)

13:45 – 14:00 On the evidence of the impact of offshore wind farms on the wave climate: a case study in the Baltic Sea (Natacha Fery, Vattenfall)

14:00 - 14:15 LainePoiss – wave measuring buoy for Nordic conditions and practical applications in Baltic Sea (Valdur Kaldvee, WiseParker OÜ)

14:15 – 14:30 EuroGO-SHIP NRT SHIP data delivery (Fiona Carse (Met.O), Tim Smyth (PML))

Coffee break 14:30 - 15:00

Session 4 (Chair: Antti Westerlund) High impact events and ecological modelling

15:00 - 15:15 Storm surge protections levels for Greater Copenhagen (Morten L.D. Larsen, DMI)

15:15 - 15:30 Joint research on Storm Babet: A Special Issue (Jun She, DMI)

15:30 - 15:45 A data-driven approach to rapidly estimate seasonal thermocline depth in the Northern Baltic Sea (Antti Westerlund, FMI)

15:45 - 16:00 Wave-induced sediment resuspension (Laura Tuomi, FMI)

16:00 - 16:15 Coupled modelling of nitrogen turnover in the Odra estuary (Johannes Pein, HEREON, online)

16:15 - 16:30 Discussions

16:30 End of Meeting