

BOOS Annual Meeting Day 3 – Business meeting, 26 November 2021

Chair: Jun She

1. Approval of agenda and appointing a rapporteur

- Of 22 partners (including associated partners, 11 partners joined the meeting. Four partners had send their apologies and provided national reports for the Chair before the meeting.
- No comments were made to the agenda
- Laura Tuomi was appointed as rapporteur

	Partner	Registration	National report
1	AU	Apologies	x
2	BSH	X	x
3	DMI	X	x
4	EMI		
5	GEOMETOC	x	x
6	FMI	X	x
7	Hereon	Apologies	x
8	IMGW	Apologies	x
9	IOPAN	X	x
10	IOUG	Apologies	x
11	IOW		
12	KU	x	x
13	LVGMC		
14	RSHU		
15	SMA	X	x
16	SMHI	X	x
17	SYKE	x	x
18	Taltech	X	x
19	UL	X	x
20	NWAHEM		
21	SPbSOI		
22	EPA		

2. Summary report of BOOS Modelling Program (Thorger Brünning)

- Six working groups under the BMP presented their activities during Wednesday's BMP meeting. Many of the WGs are working actively, the exchange of information could be improved in future
- BOOS BMP was presented in the EuroGOOS conference as a poster
- Marine Plastic WG
 - Lead by Jun She, currently 8 members
 - includes both modelling and observations

- arranged a workshop in 8 October, participated by 5 partners
 - joint activities such as joint papers on microplastic observations, intercomparison of MP monitoring methods are carried out by partners.
 - Wider cooperation with more partners are expected
- Coastal modelling WG
 - Lead by Jens Murwaski
 - Arranged a workshop in beginning of November, which was participated by 10 institutes
 - BOOS partners are working with many different models
 - Baltic coastal model inventory will be performed next year to get an overall view of the models and operational systems available within BOOS partners
 - Cal/Val working group
 - Lead by Simon Jandt
 - This WG is not active within BOOS, development work mainly done within CMEMS BAL MFC
 - Cal/Val toolbox being developed with Matlab and Python. The code is not yet open access
 - MME working group
 - Active only within CMEMS BAL MFC
 - NEMO WG
 - Not active during last year
 - Many BOOS partners have great interest for common workshop
 - Some partners have interests on developing a coastal NEMO
 - Possibility to arrange virtual meeting next year should be studied
 - Data assimilation working group
 - PDAF collaboration within BAL MFC and together with AWI ongoing
 - New members from TalTech and FMI are expected in 2022
 - This WG needs a new Chair
 - Discussion: Vicente Fernandez from EuroGOOS told that the EuroGOOS office is also planning an inventory of the coastal operational models. Coastal modelling WG inventory will be coordinated with the Office

3. Summary report of BOOS Observation Cooperation (Laura Tuomi)

- Three Working Groups presented their activities during Wednesday's meetings
 - River data WG
 - Lead by Patrick Gorringer
 - There is lack of data from the Baltic Sea. Although some institutes have provided information of the data sources, some pages are only available in national languages. Help from local experts is needed to find the appropriate datasets
 - Some of the already collected data has been made in the Emodnet data portal
 - Ship data NRT delivery
 - Lead by Johanna Linders
 - Data already available in NRT from some of the BOOS partners (SMHI, Taltech)
 - IOW data are available on a IOW open access server ODIN2, SMHI can download the data and stored in SMHI ftp
 - Test data has been provided by several partners (e.g. FMI and IO PAN) and after the check by Johanna/SMHI, the NRT dataflow will be initiated
 - Data formats and data content was discussed. Processed ascii-data is preferred, but SMHI has possibility to handle RAW-data from Seabird-sensors. It was also agreed that all datasets should contain at least pressure and preferably also depth (converted from pressure)
 - The first priority is to make all data available and accessible in the SMHI ftp site
 - Argo and glider WG
 - Lead by Laura Tuomi
 - WG meeting held in spring 2021
 - Several collaborative activities discussed related to
 - Deployment and recovery – sharing information about ongoing Baltic cruises
 - Planning joint missions with Gliders
 - Providing NRT data from gliders and developing DMQC methods
 - Legal aspects – deploying to or crossing other countries EEZ

- Sharing best practices about operating in shallow and seasonally ice-covered areas
- Discussion: It was discussed, whether the BOOS NRT ship data is available in other services. SMHI delivers the data also to CMEMS and EMODnet. Also the quality of the NRT ship CTD data was discussed. Generally, the quality is good and can be used for assimilation. For reanalyses it might be better to wait for DMQCd data. It was also mentioned that measured temperature data from rivers would be welcome. The river temperatures provided in the modelled E-HYPE data are not always good enough for modelling purposes.

4. Status of BOOS Website and call for inputs (Jan Reissmann, Jun She)

- Status of the BOOS website is more or less unchanged from last year
- There has been meetings with EuroGOOS and ROOSs about the website design and discussions within BOOS in the Webworking group and within the Steering Group
- There is a table to be filled in by the partners to provide information about ongoing projects, recent publications, forecast products and information about NRT observations
- **TBD: All partnest to fill in the information to excel sheet**
https://docs.google.com/spreadsheets/d/1kvkgAetW6_UOzsy1nib3QV1m5Gyf_5St/e dit#gid=1377818138 and provide documents prepared for the AM to the google drive folder
<https://drive.google.com/drive/folders/1ha44fgZueK95fwU0bzclx7SaZKH6IMKS?usp=sharing>
- Vicente Fernandez told that EuroGOOS looking for new communication assistant to help ROOSes in preparing the websites. Office is able to assist with some small changes to the website but prefers that for larger changes we wait for February, when the new person has started.
- It was also discussed whether the BOOS web working group is still needed. It was agreed that we need someone that is responsible for the website, but not necessarily the working group. The responsible person could be from the steering group and then ask for input and help from BOOS partners
- **TBD: Ask for volunteers to help with webpages**

5. EuroGOOS request on the change of BOOS logo from BOOS to EuroGOOS-BOOS

- It was discussed, whether BOOS partners see this suggested change only as a change in a logo or as a governance issue
- It was also discussed what kind of decisions other ROOSes have made
 - Arctic and IBI have accepted the EuroGOOS-ROOS logo
 - NOOS is still discussing. With MONGOOS the situation is different as it works also outside EuroGOOS.
- It was discussed that it is beneficial to have the connection with EuroGOOS and the joint partnership can be shown, but not necessarily by having the word EuroGOOS in the logo.
- **TBD. Jun to organise a vote by email later this year**

6. Member reports (5 minutes each partner)

- Reports were provided by 14 partners. They will be made available in the BOOS website. Few notable issues to be mentioned:
 - Pandemic situation has provided some difficulties in maintaining the operational observation networks
 - Most partners are providing their NRT data through web services and portals
 - Many partners are working with coupled model systems or building such systems
 - Coastal high-resolution model applications are being developed by many partners
 - Machine learning techniques are becoming a part of operational forecasting systems
 - Restricted availability of meteorological forcing data has stopped some forecast systems eg in IOUG. **TBD: Check open access availability of MetCOOP forcing**
 - New measurements techniques are being developed: LainePoiss by Taltech

7. AOB

- EuroGOOS ROOS-TT-WG Integration workshop was planned to be organized on 29-30 Nov. 2021. The workshop has however been postponed and will be arranged in May 2022. WS participation is open for all.

It's important to keep dynamic links and interactions between BOOS and EuroGOOS TTs and WGs. BOOS ambassadors to TTs and WGs have been assigned but are not active. In the future BOOS AM, it is helpful to have an EuroGOOS session where BOOS ambassadors can give reports from different TTs and WGs.

- Relevant HEU Calls were discussed on Wednesday's WS