BOOS Annual Meeting 2019

Member report

Institution	The Institute of Oceanology of Polish Academy of Science
Country	POLAND
Observations	The IOPAN performed complex system of measurements in the Southern Baltic Sea. The joint measumrements from buoy (Eulerian), Argo floats (Lagrangian) and from the r/v Oceania (synoptic) allowed us to monitor the inflows, examinate the thermohaline and oxygen conditions in the Baltic. **The r/v Oceania**: We perform 4 main cross-sections along the deep basins in the Southern Baltic Sea per year. The measurements of STD (salinity, temperature and depth), ADCP (curents measurement) and DO (Dissolved Oxygen) have been obtained. **Argo**: We have two active Argo floats in the Baltic Sea. Moreover, we have manage to recover one unactive float in May 2019. The 3902101 float was deployed on 06 February 2018 in the Bornholm Basin. Currently it is located in the Gotland Deep. This float made 240 CTD and DO casts. The 3902106 float was deployed on 11 September 2018 in the Bornholm Basin in which it is located to this day. This float made 140 casts of CTD and DO. In the future we are planning to purchase of a biogeochemical float which will extend our fleet in the Baltic Sea. **Measuring buoy**: Deployed twice: November, 2017 – December, 2017 and April, 2019 - until now. Deployed in geographical position: Latitude= 55 deg 12.73' N, Longitude = 16 deg 41.46' E Depth = 74 m Measurements: Meteo (wind direction, speed), CTD (3 and 70 meters), ADCP (upperlooking ADCP).
Modelling Implementing and developing CICE v6 (the newest one) for Baltic Sea	Status and new initiatives The model (stand alone version) has been adapted for whole Baltic Sea. The results seem to be resonable, but only when we use external oceanic data. In case of internal calculations of sst and other important ocean parameters, the model overestimate ice cover. We are on the way of validation and then we are going to replaces the old one version in our coupled operational system (ebaltic.plgrid.pl).
Data, product and service	Status and new initiatives SatBałtyk system (http://satbaltyk.iopan.gda.pl)
Projects including BOOS partners	Project full title/acronym and involved BOOS partner names, weblink Euro-Argo Research Infrastructure Sustainability and Enhancement (H2020) / Euro - Argo RISE

	Institute of Oceanology, Polish Academy of Sciences, Sopot Bundesamt für Seeschiffahrt und Hydrographie Helmholtz-Zentrum für Ozeanforschung Kiel, SeaDataCloud - Further developing the pan-European infrastructure for marine and ocean data management /
Other relevant projects	Project full title/acronym, weblink, relevance to operational oceanography or BOOS (if applied)
Involvement in BOOS tasks	Progresses and on-going activities
Invovlement in EuroGOOS WGs, TTs	TT: Argo floats (Euro-Argo); Progresses and on-going activities
Suggestions to BOOS future activities	
Additional information	