

BOOS Annual Meeting 2015

Member report

Institution	Finnish Environment Institute SYKE
Country	Finland
Observations Status and new initiatives	<p>Operational ferrybox/alga@line observations has been carried out on board Finnmaid, Finnsea, Silja Serenade, Transpaper in cooperation with SMHI.</p> <p>Finnmaid has been on the dock in connection to sulphur emission reduction from 28.2 -7.4. 2015. New records will be available from 7.4. 2015. Maintenance SYKE</p> <p>Finnsea is cruising according to previous plan from Århus to several Baltic harbors as Turku, Rauma, Helsinki, Kotka in Finland and Lübeck and Rostock in Germany. Finnsea was on the dock in connection to sulphur emission reduction installations and since that substituted other ferries. The maintenance of Finnsea ferrybox has been difficult because the irregular cruise schedule. Maintained by SYKE.</p> <p>Transpaper ferry used to cruise from Göteborg to Kemi, but from the beginning of December 2014, the new cruise plan is from Lübeck to Oulu and Kemi.</p> <p>The spring maintenance ferrybox system on Transpaper was carried out by SYKE travelling from Oulu to Lübeck 9-12 March with 2 technicians by SYKE. The broken computer was changed and the inlet tubes were cleaned with 10% hydrochloride acid. The maintenance training will be carried out for local environment center from 24-25.4. 2015.</p> <p>In Silja Serenade constant problems has occurred with data transfer from the ferry. The hardware update is going on and the NRT data transfer is expected to start in late May 2015.</p>
Modelling Status and new initiatives	<p>Developing the Finnish Archipelago Sea nutrient load model continued in 2014. The integrated model system consists of the COHERENS hydrodynamic models for the Baltic Sea (with 2 nmi resolution) and the Archipelago Sea (with 0.25 nmi resolution), the VEMALA drainage model and the model for nutrient dynamics in the water column and sediments. The system will be ready in October 2015 with a user interface designed to be a tool for the national and regional authorities.</p>
Dissemination Status and new initiatives	Data was disseminated through SYKE/BOOS ftp box as MyOcean service
Relevant national projects	Finnish institutes active in marine research have started a national marine research infrastructure consortium (FINMARI) here in Finland. The aim is to facilitate international and national use of experimental resources

	<p>efficiently. This is done in a close co-operation with other international and national infrastructures and ESFRI's as ICOS, EMBRC and EURO-ARGO. Fresh www-pages including all contacts is found at: www.finmari-infrastructure.fi</p> <p>The infrastructure includes research infrastructures of 3 Finnish research institutes, 3 universities, and a state-owned shipping company. The infrastructure network consists of several field stations, research vessels and multi-purpose icebreakers, laboratory facilities, ferryboxes, fixed measurement platforms and buoys in the Northern Baltic Sea. FINMARI is listed as a nationally essential RI on "Finland's Strategy and Roadmap for Research Infrastructures 2014–2020" by the Finnish government.</p>
Relevant International projects	Syke participates in Jerico-NEXT, MyOcean Marine service, Emodnet-Chemistry
Additional information	