

NOOS Annual Meeting 2014

Member report

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| Country | Sweden |
| Institution(s) | SMHI |
| Observations Status and new initiatives | <p>23 static tide gauges operates as planned (19 RT)</p> <p>5 of the tide gauges also measures SST</p> <p>Continued tests of two mobile tide gauges around the Swedish coastline: Arkö is installed and Haparanda will be installed after recognition, hopefully this year.</p> <p>1 new "super mareograph" is on-going at Onsala Space Laboratory at Råö, just outside of Gothenburg. The station will deliver high-resoluted sea level values and have a CGPS installed in the same position. The station will be a part of the permanent sea level network, operated by SMHI.</p> <p>2 wave buoys running (also giving SST), Southern Baltic moved to Knolls grund and Finngrundet will be deployed this month.</p> <p>2 sea buoys –new buoy in the vicinity of Väderöarna and Huvudskär. The systems will be deployed this autumn or after some technical problems have been solved.</p> <p>6 coastal buoys will be deployed around the Swedish coast with start now in May: Umeå, Arkö, Kalmar, Havstensfjord, Kristineberg and Tjärnö. In cooperation with several Swedish Marine Centres, which are responsible for maintenance of the buoys. SMHI will aquire, quality control and present data.</p> <p>Coastal HF Radar: SMHI will rent and install one system in Skagerak for six months with start 1st October 2014. The system will observe surface currents. A procurement will start shortly.</p> <p>Ferry-boxes running: Transpaper, Atle, Frej, Oden.</p> <p>Testing of floaters ongoing – final tests and evaluation report is planned for this year and one French system will soon be tested in the Stockholms archipelago (in Mysingen) as soon as possible.</p> <p>Test with bottom mounted oxygen device – three items will be purchased and ready for deployment during this year.</p> <p>Monitoring programme 2014 will be carried out with the ship Aranda, owned by SYKE.</p> <p>Historical oceanographic data at SMHI freely available thourgh an interactive web service (GUI) from June 2013.</p> |
| Modelling Status and new initiatives | <p>HIROMB 60-hour forecast running four times a day for the Baltic, Kattegatt, Skagerrak and North Sea. Resolution 1 and 3 nm.</p> <p>HIROMB 10 (15?)-day forecast running twice a day for the Baltic, Kattegatt, Skagerrak and North Sea. Resolution 3 nm.</p> <p>Semi-operational HIROMB four-week forecast twice a week for the Baltic, Kattegatt, Skagerrak and North Sea. Resolution 3 nm.</p> <p>Semi-operational HIROMB 60 hour forecast once a day for the Atlantic sector of the Arctic.</p> <p>High-resolution HIROMB 48-hour forecasts once a day for lake Vänern and for Brofjorden on the Swedish west-coast.</p> <p>SeatrackWeb in Lake Vänern operational</p> <p>Replacement of HBV river-run off with HYPE</p> <p>HIROMB development stalled</p> <p>NEMO</p> |
| Dissemination Status and new initiatives | <p>SMHI still runs and disseminates model results for the Baltic in HIROMB coop.</p> <p>SMHI serves as dissemination unit and service desk in Baltic MFC, MyOcean 2.</p> <p>Do we have anything new here?</p> |
| Relevant national projects | <p>Long-term biogeochemical reanalysis (Havsmesan) for the Baltic Sea and Kattegatt for the period 1970-2009??</p> <p>Swedish baselines project – national government investigation, where SMHI together with other authorities in Sweden will update the baselines around the Swedish coast.</p> |

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| | <p>The work will continue until 2014.</p> <p>Cooperation with the Swedish Maritime Administration on a common reference reference system for sealevel.</p> <p>NEMO???</p> <p>Review of Oceanographic observational systems/platforms.</p> <p>Coastal Radar project together with Chalmers.</p> <p>Other projects?</p> |
| Relevant International projects | <p>Jmp CS/NS</p> <p>Balsam</p> <p>EMODnet physics – SMHI will take the leader role in the Baltic.</p> <p>Polar Ice - SMHI will in the project develop a ‘general’ NEMO for set-up in arbitrary location.</p> <p>STW – Geoilwatch?</p> <p>MyOcean2 – the project has been extended for six months, will now end in March 2015.</p> <p>JERICO NEXT – SMHI are included in the proposal for Jerico Next</p> |
| Additional information | <p>???</p> |