

Finland

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Summary of operational and planned GOOS participation

Observations

Comments

Waves	<p>Four sites: North Baltic Proper, Bothnian Sea, Helsinki and Bay of Bothnia. Operated during open water season. Wavewriders also measure SST. Met buoys also measures air and sea temp, wind and surface current.</p> <p>http://www.fimr.fi/en/itamerinyt/en_GB/aallonkorkeus/</p> <p>See also WaMOS http://www.oceanwaves.de/</p>
Sea Level	<p>13 sites on the Finish coast reporting hourly, most operating since 1920s. Data available in real-time. None designated as GLOSS.</p> <p>http://www.fimr.fi/en/palvelut/aallokko_ja_vedenkorkeuspalvel/havaintot_oiminta/en_GB/havaintotoiminta/</p> <p>4 GPS positioned stations: Degerby, Vaasa, Olkiluoto and Metsahovi.</p> <p>http://www.sonel.org/stations/cgps/survey/survey.cgps.html</p>
TS Hydrography	<p>Current meter measurements in the strait of Kustaanmiekansalmi. Measures current between 3 and 25meters and temperature at 28m hourly.</p> <p>Baltic Sea Portal – routine measurements of temperature, salinity and fluorescence with CTD made in central Gulf of Finland (site LL7,) between Helsinki and Tallinn. Surface to 90 meters.</p>
Bio/Chemistry	<p>Baltic algal bloom, phosphorus/nitrogen monitoring, 4 ships between: Stockholm-Helsinki: Silja Serenade Tallinn-Helsinki: Finnjet Travenmunde-Helsinki: Finnpartner Archipelago Sea: Tellka</p> <p>http://www.itameriportaali.fi/en/tietoa/algaline_seuranta/en_GB/mittaustulokset/</p> <p>SOOP CPR (Zooplankton), Baltic, 5 ships</p> <p>Ferrybox: Helsinki –Tallinn and Helsinki- Travamunde</p>

(Germany). Salinity, SST, fluorescence, nutrients, chlorophyll-a and phytoplankton

SST	http://www.fimr.fi/en/itamerynt/en_GB/pintalampoennuste/
Satellite	EUMETSAT member. http://www.eumetsat.int/Home/Main/AboutEUMETSAT/WhoWeAre/MemberandCooperatingStates/index.htm?l=en
Sea Ice	Detailed surface observations are provided by ice breakers, commercial vessels, ice observers on the coast, ice services of other Nordic countries and aircraft and satellites. http://www.itameriportaali.fi/en_GB/
VOS	13 potential VOS ships, February 2010
Baltic Sea	http://www.fimr.fi/en/en_GB/en/