

Ukraine

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Summary of operational and planned GOOS Participation

Observations

Comments

Offshore Platforms	<p>Regular discrete and continuous observations are conducted on the stationary oceanographic platform (Katsively, MHI) and gas platforms (Golitsino, Black Sea oil and gas Co., since the end of 2002). Platform in Katsively provides automatic or semi-automatic measurements of the following parameters:</p> <ul style="list-style-type: none">- Air pressure, temperature and humidity- Wind Speed and direction- Water Temperature- Waves- Sea level- Current speed and direction <p>Duration of different data sets is from 5 to 17 years</p>
ARGO	<p>Black Sea profiling float project initiated in 2002 with support of University of Washington, Institute of Marine Science (Turkey) and Marine Hydrophysical Institute (Ukraine). As of 12/30/09 all profiling floats were presumed dead. See the map with BS floats http://flux.ocean.washington.edu/metu</p>
Sea Level	<p>27 stations in National net (Hydrometeorological). MedGLOSS type station at Katsively since mid 2003 within the ESEAS-RI project. SST and air pressure also measured at Katsively. http://www.e seas.org/</p>
T/S Hydrography	<p>Routine near coastal surveys (out to 10 miles). Locations are:</p> <ul style="list-style-type: none">Southwest coast of Crimea, SevastopolDanube mouth, IzmailDnieper-Boug estuary, NikolaevKertch Strait, OpasnoyeNorthern coast of the Sea of Azov, MariupolWestern coast of Sea of Azov, GenicheskNorthwestern Black Sea
Bio/Chem	<p>Within the coastal surveys above, a mix of: pH, Oxygen, nitrate, nitrite, phosphate, silicon, oil fractions, phenol, pesticide, detergents, mercury, alkalinity, ammonium, nitrogen, calcium,</p>

magnesium, sulphate, hydro-carbonate particulate matter, hydrogen sulphate and silicium.

Continuous Plankton Recorder (CPR), restricted to near coastal stations and one ten mile section

Coastal

Hydrometeorological stations (36) measuring T(s), T(a), wind speed, and ice. 21 stations 8 obs/day, 14 stations 2-4 obs/day. 27 stations measure sea level, 21 measure waves, 23 measure surface salinity. 8 stations measure pollutants: oil products, phenol and surface active films.