



Variability of subdivisions of Baltic Sea

Maciej Janecki, Jaromir Jakacki, and Lidia Dzierzbicka

Institute of Oceanology PAS, Marine Dynamics Department, Sopot, Poland (jjakacki@iopan.gda.pl)

Coupled ice-ocean model has been used to analyze subdivisions of the Baltic Sea. The model consists of Parallel Ocean Program (POP) and Community Ice CodE. Both models are from Los Alamos National Laboratory (LANL) and were coupled by authors. The model was forced by ECMWF atmospheric data (ERA 40 reanalysis). 40-years hindcast scenario was performed. Anomalies of heat content, temperature, salinity and salt transport through selected sections for all subdivisions of the Baltic Sea are presented.

The studies were supported by the Polish State Committee of Scientific Research (grant No N N305 111636) and Project SatBaltic.