Russian State Hydrometeorological University St.Petersburg, Russia



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RSHU research activity includes:

- Data collection
- Development of 3D high resolution hydorodynamic models for operational forecast of hydrophysical characteristics such as temperature, salinity, sea level, ice conditions, oil-spills trasport and transportation,
- Observational data assimilation to the operational model

Annual Cruises since 1996 to 2011



Scheme of the stations in the Baltic Proper



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Scheme of the stations in the Russians coastal area in the Gulf of Finland



Data management

- Data transfer in NRT to the RSHU web site <u>http://boos.rshu.ru</u>
- Baltic Sea Data Base

Baltic Sea Data base



Operational forecasting system Block diagram of the model complex



Development of operational forecasting system

http://gulfoos.rshu.ru



😪 Интернет

SST forecast



http://gulfoos.rshu.ru/forecast/Fst_Suf_Tem_3.gif

关 Интернет

Salinity forecast



3D reanalyze T,S fields starting from March 2009

HIRLAM reanalyze ┿ GOFM **3DVAR and Summer Observation Fields High Resolution Reanalyze Fields**



Relevant International projects

- European COastal-shelf sea OPerational observing and forecasting system (ECOOP, 2007-2010).
- From 2002 RSHU is a part of BOOS as an associate member
- 2007 RSHU signed an agreement with HIROMB community by recommendation of Ministry of Natural Resources of RF as an RF representative

THANK YOU!



Participation in international Baltic organizations and events

- From 2002 RSHU is a part of BOOS as an associate member
- 2007 RSHU signed an agreement with HIROMB community by recommendation of Ministry of Natural Resources of RF as an RF representative
- 2010 Joint Advisory Board (HELCOM) meeting, MONAS Group; a decision to consider the possibility of participation of RF experts in the TARGREV project
- Annual participation of RSHU in BOOS and HIROMB meetings, in Trilateral Cooperation meetings, the Baltic Sea Day Forum, BSSC, HELCOM meetings (sometimes).