

## ***Interactive comment on “Development of Black Sea nowcasting and forecasting system” by G. K. Korotaev et al.***

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Received and published: 20 June 2011

It is very pleasure to write a comment for paper “ Development of Black Sea nowcasting and forecasting system ” by G. K. Korotaev<sup>1</sup>, T. Oguz<sup>2</sup>, V. L. Dorofeyev<sup>1</sup>, S. G. Demyshv<sup>1</sup>, A. I. Kubryakov<sup>1</sup>, and Y. B. Ratner<sup>1</sup>, which concerns a remarkable achievement of the Black Sea operative oceanography – development of the Black Sea community nowcasting and forecasting System. The system have been successfully operated in the real time mode by consecutively realization of the several international projects ( ARENA, ASCABOS, ECOOP ). It should be to noted, that the main components of the System are the basin-scale model of the Black Sea dynamics developed at Marine Hydrophysical Institute (Sevastopol, Ukraine), Princeton Ocean Model (POM) adapted to the Black Sea, the Black Sea ecosystem model (IMS), French atmospheric model AL-

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ADIN adapted to the Black Sea region and operated at National Meteorological Administration in Romania and Nested –regional models. The system includes also satellite altimetry and sea surface temperature assimilation procedure, which is very important factor for successful implementation of the system. In my opinion scientific and practical value of the paper grows also with that fact, that a significant part of the paper concerns to calibration of the general circulation model of the Black Sea and Black Sea ecosystem models. Results of calibrations show high reliability of the created Nowcasting/Forecasting System. In summary, I want to note, that the paper has high scientific and practical value and it will interest many experts in operative oceanography.

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Interactive comment on Ocean Sci. Discuss., 8, 917, 2011.