

***Interactive comment on* “Operative forecast of hydrophysical fields in the Georgian Black Sea coastal zone within the ECOOP” by A. A. Kordzadze and D. I. Demetrashvili**

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Received and published: 16 June 2011

We would like to thank Anonymous Referee #2 for reviewing of our manuscript and his useful comments. Below is our reply to the comments.

Comment 1. I would like the authors to emphasize more the improvements bring by the higher resolution RM-IG over the MHI model for that area. In some places of the paper, differences are spotted, but it is not clear that is is an improvement or not (e.g.beginning of p 4). Reply. With the purpose to emphasize the advantage of the high-resolution model in the revised version in Section “3.1 Forecast for summer season” the text will be modified. In particular, some part of the text describing circulation patterns

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obtained from RG-IG and BSM of MHI will be expanded with the purpose of more detailed comparative analysis and revealing of distinctive features. Also, in Section ‘3.2 Forecast for autumn season’ some changes will be made.

Comment 2. this paper lacks comparison with real data that could help to validate the system. There are several sources of observation that could be used, satellite (sea level, sst) and/or possibly profiles. Reply. We hope that in the new revised version of the paper we will include comparison of forecast results with corresponding observational data.

Comment 3. There is quite a lot of figures respect to the length of the paper, it may be worth trying to reduce this number, it would help clarifying the message Reply. We agree with the Referee. In the revised version number of Figures will be reduced. We are planning to remove Figs.4 and 14, also some plates from some Figures.

Comment 4. The English, even though perfectly understandable may need to be smoothed out a little. It would benefit from a re-reading by a native English speaker. Reply. The manuscript will be read by the expert in the English language and we expect that new version will be better readable.

Comment 5. Nesting’ is a bit ambiguous since there is no feedback from RM-IG to MHI, ‘One-way nesting’ may be preferable. Reply. Yes, there is really one-way nesting. In the revised version this term will be used.

In the revised version some minor errors, which are specified by Anonymous Referee, will be corrected. Kind regards, Authors: Avtandil Kordzadze, Demuri Demetrashvili

Interactive comment on Ocean Sci. Discuss., 8, 397, 2011.

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