

Interactive comment on “SeaConditions: a web and mobile service for safer professional and recreational activities in the Mediterranean Sea” by G. Coppini et al.

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Replies to Referee 2

Thank you very much for your very relevant comments. In the following text we present your comments followed by our answers and the modification that we propose following your comments to the final variant of the manuscript.

Referee’s Comment 1 The ms provides the description of a new online, both via web and mobile, user friendly system to access and to visualize the Mediterranean ocean forecasting data provided by : CMEMS, sub-regional ocean systems, ECMWF and other complimentary sea data, in order to assist the end user and to strength the safety

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of mariners. SeaConditions is an excellent tool to retrieve and visualize operationally the CMESM met-ocean data in the Mediterranean Sea. However, it was desirable to provide in introduction a short description for 2-3 previous "similar" systems and their disadvantages compared to SeaConditions tool. To my knowledge SeaConditions is well received by end users and not only and the methodology behind it, can be adapted for other down streaming applications, such as oil spill and floating objects predictions.

Authors' answer We thank the Referee for the positive comments and we have followed the referee's suggestion provide in introduction a short description for 3 previous "similar" systems and their disadvantages compared to SeaConditions tool.

We have added the following text to the paragraph: Other software or web portals similar to SeaConditions such as 'Weather4D' and 'Meteomed' do not offer the same integration with marine data. Meteomed does not offer currents and high resolution model data. Both Weather4D and Meteomed do not offer the zoom capacity in the free version. Both of them do not offer bathymetry as one of the product. INGV has developed, since the begin of the Mediterranean Forecasting System (MFS), web interface to visualise the oceanographic products of the Mediterranean Sea (<http://medforecast.bo.ingv.it/mfs-copernicus>) developed in the different projects (MFSPP, MFSTEP, MYOCEANs and now CMEMS). The INGV website is more scientific oriented respect to SeaConditions, it consists of static images without any zoom capability and does not provide the meteorological forecasts. Other many systems (e.g. Puertos forecasting system portus.puertos.es; CYCOFOS forecasting systems <http://www.oceanography.ucy.ac.cy/cycofos/high-resolution.html>), most of them part of MONGOOS (<http://www.mongoos.eu/in-situ-and-forecasts>), provide the access to visualization services of oceanographic forecasting products but all of them for sub-regional areas only and not for the entire Mediterranean sea, most of them with limited zoom capability and without providing access to atmospheric data. Only few of the forecasting systems in the Mediterranean Sea provide access through mobile applications and only for sub-regional areas of the Mediterranean Sea (IMAR by Puertos

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available on Google store for the Western Mediterranean Sea).

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