**Ocean Science
Discussions**

Interactive comment on "An ECOOP web portal for visualising and comparing distributed coastal oceanography model and in-situ data" *by* A. L. Gemmell et al.

Anonymous Referee #1

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The paper describes technologies used at the web portal of the ECOOP project for displaying and comparison of model and in-situ marine data. The described portal deals with one of important problems of environmental sciences - comparison of in-situ and model data from disparate sources. It helps not only to validate model predictions against in-situ observations but also to identify erroneous data from observation platforms. It is important that portal is based on using international standards (OGC web services) to facilitate greater interoperability and reusability in compliance with requirements of the INSPIRE directive.

The paper is within the scope of the journal. The title of the paper reflects the con-

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tents of the paper; the abstract provide a concise and complete summary; the overall presentation is well structured and clear.

It is strange that authors do not provide the web address of the portal described in the paper. This is not the main ECOOP portal www.ecoop.eu but some another one (perhaps that's why authors titled the paper "An ECOOP web portal.."). After searching Internet I found one portal at http://lovejoy.nerc-essc.ac.uk:8080/ncWMS_Ecoop_Ecosystem/godiva2.html?menu=ecoopobs, which possesses the functionality described in the paper. However this web site is instable: there are periods when it is not accessible or some of its data providers are not accessible. Nevertheless, I could manage to make sure that functionality of the portal corresponds to that one described in the paper, though not all examples could be reproduced. In any case I advice to include the web address of the portal in the paper text.

In the final chapter authors clearly describe problems and bottlenecks of the current implementation of the portal and propose solutions for increasing its efficiency.

Proposed technical corrections

Page 190, Line 11: Replace "the user" with "a user".

Page 194, Line 5: The link to SEPRISE descriprion at Coriolis web site is not valid anymore, so it should be replaced with a valid one, for example with "http://www.seprise.eu/content/content.asp?menu=0090000_000000_000000".

Page 198, Line 18: Replace "after request" with "after requests".

Page 200, Line 10: Replace "is sea" with "in sea".

Page 202, Line 17: Replace "Science" with "Strategy". The sentence "Other initiatives, such as the European Marine Strategy Framework Directive can only be achieved by extending web technology to monitoring larger geographical, pan-European scales" is not correct on my mind, because: a) the directive it not being achieved – it is being im-

plemented; b) "extending web technology to monitoring" sounds unclear if technology is not specified. Generally speaking, web technology is already extended to all scales of monitoring (weather forecasts, SST and Chl-a images etc).

Page 204, Line 4: Replace "Oceans" with "Ocean".

Page 204, Line 26: Add "." at the end of sentence.

Page 214: The explanation to Fig. 5 refers to the "black rectangle on the right of the timeseries plot" and to the "red square" on the map, however these objects are missing on the figure.

Interactive comment on Ocean Sci. Discuss., 8, 189, 2011.