

## ***Interactive comment on “Seamount physiography and biology in North-East Atlantic and Mediterranean Sea” by T. Morato et al.***

**T. Morato et al.**

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Dear Editor and Referee #2, Many thanks for the referee #2 comments. We will most definitely update our manuscript based on valuable comments provided here. Our responses to the main points raised are:

1- Differences in estimates between the two methodologies are partially due to the use of different bathymetry datasets and slight differences in the seamount detection algorithm. Chris Yesson's method is known for overestimating the number of seamounts globally. Mainly by considering small atolls and islands as seamounts or by identifying multiple peaks in a single seamounts as multiples seamounts. We have slightly changed the algorithm in order to reduce the number of false seamounts. In the next version of the ms we will highlight the main differences between both studies.

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2- We will definitely change Figure 1 to make the areas covered by the different datasets clearer and Table 1 to make sure all sources are well understood

3- All minor comments will be addressed in the next version of the ms

Sincerely Telmo

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Interactive comment on Biogeosciences Discuss., 9, 18951, 2012.