

## ***Interactive comment on “The RADMED monitoring program: towards an ecosystem approach” by J. L. López-Jurado et al.***

### **Anonymous Referee #1**

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General comment to the Authors: The manuscript reports on a monitoring program that collects physical, biogeochemical and biological data along the Spanish coast in the Mediterranean Sea at a seasonal resolution, providing valuable long term time series that are mainly useful for the monitoring in the framework of the MFSO but also for scientific studies that benefit from sustained observations. As far as I know RADMED and RADIALES are the two components of the Spanish monitoring program, one for the Mediterranean coast and one for the Atlantic coast. If this is true than I think you should also mention the Atlantic counterpart of RADMED. The paper is well structured and its objectives are clear to the reader. An improvement of the English writing is desirable. The paper can be accepted with only minor revision. Some more detailed comments are: - Title: “ecosystem based approach” - Page 646 line 9: “development” instead of “develop” - Page 647 line 1: you speak about “systematic observations” referring to

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them in general terms or in your specific care. - Page 647, lines 4-8: I would omit the long description of the Calcofi program, to just mention the Mediterranean examples, Dyfamed and Hydrochanges - Sometimes you write IEO-RADMED and sometimes just RADMED, please be consistent - Page 649 line 27: when you define acronyms, than you should also use them (see WMDW, on page 650 line 12). The same is for the acronym WMED that you define very late in the paper and than you don't use it. - Page 652 line 7: “hydrographically sampled” sounds odd - Page 653 line 12-13: please reword, it is not the WMT that is detected (btw, remove the comma before “is detected”) but the different deep water characteristics and/or structure due to the WMT. - Page 657, line 3-5: it appears as you are listing PERSEUS as an example of smaller scale projects, which is not the case. - Page 657, line 12: replace “set” with “network” - Page 658 line 4: use the acronym WMED and define it at the beginning of the paper - Page 658, line 8: in the description of figure 2 and its caption, please indicate the depth of station 88. Also you refer to point “O”, “N” and “C” which are not visible in the figure - Page 658 line 12-14: it does not appear to me that the structure is dissipating, since it is still very different from the pre-WMT situation. Replace “thought” (which is the past tense of “to think”) with “while”. - Page 658 line 17: in figure 4 the stations 144 and 124 do not appear in figure 1, please highlight them as well. - Page 660 line 29: “thought” is the past tense of “to think”, replace - Page 661, line 4: I think that Saraiva and Armando are the first names, if so, please correct the citation and the reference list

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Interactive comment on Ocean Sci. Discuss., 12, 645, 2015.