

Interactive comment on “Impact of improved Sea Surface Temperature representation on the forecast of small Mediterranean catchments hydrological response to heavy precipitation” by Alfonso Senatore et al.

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We warmly thank the referee for his/her thoroughly review of the paper and positive feedback. Please find below our answers to the items raised (bold text).

Page 1: It should be mentioned in the abstract that the dynamical downscaling of the global forecasts are done with the WRF model.

We already indicated that we used the “atmosphere-hydrology modelling system WRF-Hydro in its uncoupled version”, but we will strive to be clearer in the

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revised version of the manuscript, following the reviewer’s suggestion.

Page 12, line 20-30: it could be mentioned that the hydrographs discussed here are obtained with the offline WRF-Hydro forced with the WRF downscaled forecasts.

Also in this case, we will strive to be more clear and specific in the revised version of the manuscript.

Figures Fig. 1: the caption in the elevation legend of panel i) is very small. Couldn’t the figure be reorganized so that the size of panel i) looks similar to the size of panels h) and j) in Fig. 2 ?

Figs. 8 and 16. The caption size should be increased. Also, the barbs density should be reduced and the barbs size increased.

Figs. 13 and 19. Caption size should also be increased here.

Thank you for these suggestions. Following comments of both Referee #1 and #2, all the figures will be checked and reviewed.

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