

## ***Interactive comment on “Assessing the impact of SSTs on a simulated medicane using ensemble simulations” by Robin Noyelle et al.***

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I would like to congratulate with the Authors for the interesting and comprehensive study of the Medicane Cornelia. I am actually performing simulations of the same case (but without changing SST) reaching similar conclusions.

Just a comment: I think that the Authors should make more clear that these simulations have to be interpreted in a statistical sense in the "numerical" world, so may not correspond exactly to the observed cyclone track (which I believe, is a bit southward compared to the track density in Fig. 2b).

Also, numerical simulations with a coupled numerical atmospheric-wave-model of a Medicane have been recently published after Akthar et al. (2014). Ricchi et al. (Sen-

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sitivity of a Mediterranean tropical-like cyclone to different model configurations and coupling strategies, Atmosphere, 8, 92, 1-32, 2017) considered the case of November 2011 from a coupling modelling perspective. This paper may be helpful for the conclusive discussion.

best regards

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Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., <https://doi.org/10.5194/nhess-2018-230>, 2018.

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