

Weather Clim. Dynam. Discuss., referee comment RC2
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Comment on wcd-2021-55

Anonymous Referee #2

Referee comment on "Mediterranean cyclones: current knowledge and open questions on dynamics, prediction, climatology and impacts" by Emmanouil Flaounas et al., Weather Clim. Dynam. Discuss., <https://doi.org/10.5194/wcd-2021-55-RC2>, 2021

This paper compiles numerous previous works in which different aspects of Mediterranean cyclones have been studied. Mechanisms of different scales that play an important role in the formation and evolution of cyclones are analysed. Efforts made to improve forecast are reported and numerous climatological studies of cyclones in the Mediterranean are referenced, as well as the high impact weather that is frequently associated. Special attention is devoted to medicanes, small cyclones with tropical characteristics that are the subject of numerous recent studies. Some little-known aspects are highlighted in the text and are presented as the object of possible future work.

For this reason, I highly recommend the publication of this paper, which can be a good guide to advance knowledge of Mediterranean cyclones and which poses challenges for future studies.