

## **Review of manuscript « Mediterranean cyclones from pre-industrial to future climate: impacts on extreme wind, precipitation and compound precipitation–wind events »**

I am generally satisfied with the authors' response and have noticed many improvements in the presentation of the manuscript. I also appreciate the effort made to compare the results with ERA5, which I believe adds extra value to this work. After the following minor comments have been addressed, I will be happy to recommend this manuscript for publication in WCD.

### **General Comments**

I would suggest modifying the title again by replacing “impacts” with “changes”, since an impact requires an agent (in this case climate change), which is not specified in the title.

It is very interesting to see that changes in extremes depend on the phase of the cyclone evolution. I would encourage the authors to place greater emphasis on this result in the abstract.

### **Technical Comments**

Line 5 : From the wording « For precipitation-type extreme cyclones (EXCs) » it appears that the acronym refers not to extreme cyclones in general, but only to precipitation-type ones.

Line 8-10 : If I understand correctly, precipitation EXCs and wind-speed EXCs are different subsets. Therefore, I don't understand how changes derived from two different sets of cyclones can be directly related. This comment may also apply to other parts of the manuscript.

Line 15 : « Mediterranean region ».

Line 143-147 : Comparing the text with the authors' response referring to line 130 of the first manuscript version, it is not clear whether :

1. you accumulate 6h precipitation for each grid point and then take the 95th percentile value within the cyclone radius, or
2. for each timestep in the 6h window, you compute the 95th percentile within the cyclone radius and then accumulate these values even though they may belong to different grid points.

Could you please clarify ?

There is a discrepancy between the track-changed document (lines 595-598) and the clean manuscript. I imagine these lines are not intended to be part of the final manuscript.