

Dear Editor and reviewers

We are grateful for the valuable comments of our referees (in the following R1 and R2) about our manuscript « Declining water resources in response to global warming and changes in atmospheric circulation patterns over southern Mediterranean France » that my co-authors and I submitted for publication to HESS. The comments were very useful and helped improving our manuscript.

We have enclosed a revised version of the manuscript, along with a detail response of the latest comments.

We hope that you will find this improved version acceptable for publication in the Journal HESS.

Thank you

Camille Labrousse, on behalf of all co-authors

General comments

Both R1 and R2 acknowledged that the quality of the manuscript improved after a first revision including a general reorganization of its sections. Both referees agreed on the scientific significance of our study (R2 gave the maximum rate of Excellent) and recognized a good presentation quality. As such not much comments were presented by the referees. R1 proposed a straight publication of the manuscript. R2 however suggested a clarified presentation of the results for each cluster that we (the authors) define in section 2.4 (K-means clustering). We acknowledge that such a presentation is missing in section 3.3.2 (which shows results for the future climatic projections) but believe that it is also important to show the evolution of the hydro-climatic conditions at the watershed scale. As described in section 2.1 (Study Area), the morphological features of each watershed play a non-negligible role in their climatic and hydrological functioning. For this reason, and in order to avoid important reorganisation of the corresponding text parts, we propose to keep the Figure 6 as it was presented in the previous version of the manuscript which shows the future evolution through linear trends of the hydro-climatic conditions for each watershed. But we produced an extra figure in the supplementary materials section (Figure S4) which further summarizes the hydro-climatic evolution at the cluster scale. Presentation and discussion of these results are given in the main text sections

3.3.2 and 3.3.3 (lines 358-361 and line 375), and in the legend of the supplementary Figure S4.
This new figure is also provided in a separate pdf file.