

The present manuscript proposes to study the link between teleconnection patterns and discharge over a historical period and their evolution in future climate projection. The study focuses on six catchments located in southern France divided into two sub-regions using clustering method.

The first round of revision has made the goal of the paper much clearer and allows to clearly distinct validation and application.

One focus of the study is the distinction between two sub-regions based on clustering method. The distinction between those two regions is well discussed and seem of interest. However, most of the time the results are presented in the global region: correlation between Q, T, P and the TP (Section 3.1.3 Correlation analysis), evolution of the TP during the historical and future periods (Section 3.1.4 Variability of TPs in reanalysis and GCM simulations and Section 3.3.1 Future evolutions of TPs).

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