

Dear Dr Messori,

The authors have followed your recommendations on the statistical significance assumptions. We have checked if the variability of the distributions is similar and found out that, in most cases, this is not met (especially for the long-term projections). Therefore we have decided to change the test from the "independent samples t-test" to the "paired t-test" (or dependent samples t-test), which allows testing two distributions with differing variabilities. With this new statistic, a slightly wider area of the Mediterranean region has statistically significant precipitation changes, and the low significance of the coastline temperature changes no longer exists in the results.

Overall, the new figures implied changes in a few sentences in the results section, but the discussion and conclusions remain the same. I hope this modification has made our work more robust and is now susceptible to being published in Earth System Dynamics.

Best Regards,
Josep Cos