

Interactive comment on “Estimation of evapotranspiration by FAO Penman–Monteith Temperature and Hargreaves–Samani models under temporal and spatial criteria. A case study in Duero Basin (Spain)” by Rubén Moratiel et al.

Anonymous Referee #1

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In this paper, the authors evaluated two temperature-based methods (PMT and HS) to estimate evapotranspiration under spatial and temporal criteria, in the Duero basin (Spain). For ameliorating the document, the following suggestions are proposed for changes: 1. Add information on the quality of the data and which techniques they used to detect outliers and for the filling of data.

2. On line 212, it indicates that the temperature was used to estimate the wind speed, when they only actually used the average or set the value of 2 m / s.

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3. On line 287, rewrite the paragraph in a more understandable way: RMSE is 0.55 for the PMTOUH model.

4. In the conclusion. Please provide also the limitation and future studies of this research.

5. Manuscript needed some language polishing; technical errors exist in the manuscript. Please improve them to strengthen the readership of journal.

I hope these comments will be helpful to you. My sense of the reviewers' comments is that there is a very good basis on which I can recommend that this paper be modified in a responsive manner to the comments above. If the modification is done carefully and completely, upon re-submission and evaluation, I think you can be confident that the paper will be accepted for publication.

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., <https://doi.org/10.5194/nhess-2019-250, 2019>.

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