

Hydrol. Earth Syst. Sci. Discuss., editor comment EC1  
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## Comment on hess-2021-332

Carla Ferreira (Editor)

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Editor comment on "Easy-to-use spatial Random Forest-based downscaling-calibration method for producing precipitation data with high resolution and high accuracy" by Chuanfa Chen et al., Hydrol. Earth Syst. Sci. Discuss., <https://doi.org/10.5194/hess-2021-332-EC1>, 2021

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Dear authors,

Thank you very much for submitting your work to HESS. The manuscript presents a new machine learning method to downscale precipitation from satellite data. The topic is very interesting and fits well in the content of the journal, however, major revisions must be performed before publication.

Please, consider all the comments suggested by the four reviewers. The comments are highly pertinent and relevant to improve the quality of your manuscript. Additionally, I suggest to improve the Discussion section, by better highlighting the advantages and limitation of the proposed method, including the outscalling potential to other areas/study sites, and the possibility/limitations of the methodology for other time scales (e.g. daily).

In Fig. 2, please correct the "Year-Month" format within the numbers in the xx axis. In Fig. 5, please specify the meaning of the red line. In Fig. 12, please specify in the legend, within brackets, the wettest month (month and year) considered.

Authors are responsible for preparing their papers in correct English language, so please check and improve language editing.

Looking forward of the revised version of your manuscript!