

Interactive comment on “Estimation of evapotranspiration through an improved daily global solar radiation in SEBAL model: a case study of the middle Heihe River Basin” by Jingqiu Yin et al.

Nadja den Besten (Referee)

nadjadenbesten@gmail.com

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Dear writers,

Thank you for sharing your interesting research. I went through your manuscript and had the following general remarks: -English needs to be checked -be more specific, especially in the introduction -why is it a novel approach? Is it the resolution? Because the methodology used is not new as I read from the text -what is the final spatial resolution? -methodology in some instances no clear, for example how was ET measured?

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Maybe a flowchart will help to describe the methodology. -It is a pity I cannot find Liu, 2008 online. Also it is a PhD thesis, aren't there published articles available for reference? Surface albedo is of huge influence to the evaporation flux. I am wondering why the sensitivity analysis turns out differently and also where the study of Liu was performed. -results need more discussion. Is it in line with expectation? -conclusion is not always clear. Especially the impact of the approach on the use of ET data. In the accompanied PdF you can find the specific things which were unclear from my side.

Good luck with the further update of your manuscript.

Please also note the supplement to this comment:

<https://hess.copernicus.org/preprints/hess-2020-161/hess-2020-161-RC1-supplement.pdf>

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., <https://doi.org/10.5194/hess-2020-161, 2020>.

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