

Interactive comment on “Impact of revegetation of the Loess Plateau of China on the regional growing season water balance” by Jun Ge et al.

Anonymous Referee #1

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The manuscript by Ge et al. 2019 (HESSD) presents a very important study on exploring the impacts of revegetation of on regional water balance over the Loess Plateau, China. The GFGP was initiated in late 1990s and has tremendous influences on the Loess Plateau. The impacts of revegetation on the region’s hydrological balance should be carefully investigated using both observation and model simulations. The current study has tried to answer this question using WRF model, and provide knowledge and information for policy makers. In general, I think it is a very interesting and important study, and I would recommend it for publication after minor revision. Please find my detailed comments below.

1. In introduction section, please add some introduction or examples about published studies that used WRF for hydrological balance analysis. The related references will

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add confidence of using WRF in the current study and demonstrate the solidness of the current results.

2. In regard to the findings of the current study, it would be better to add some discussions on similarity/difference with existing studies. It will add extra values if published study has found similar trend in evapotranspiration based on satellite products/ground-based measurements, or model simulations.

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