

Hydrol. Earth Syst. Sci. Discuss., author comment AC1
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Reply on CC1

Tuvia Turkeltaub and Golan Bel

Author comment on "The effects of rain and evapotranspiration statistics on groundwater recharge estimations for semi-arid environments" by Tuvia Turkeltaub and Golan Bel, Hydrol. Earth Syst. Sci. Discuss., <https://doi.org/10.5194/hess-2022-257-AC1>, 2022

Dear Tongchao Nan,

Thank you very much for the careful reading of the MS and for the encouraging comments.

Indeed, the work is limited to homogeneous soil and the important effects of heterogeneity are not accounted for. However, as you mentioned, this work focus on the effects of the climate conditions synthesis methods on the simulated groundwater recharge. We felt that adding the complexity of heterogeneity will be overloading the MS. In fact, nowadays we are working on the effects of the heterogeneity in similar scenarios and in multiple semi-arid locations worldwide.

Thank you for finding our typo with the reference in lines 28-29. We will correct that in the final version of the MS.

Thanks again,

Tuvia and Golan