

***Interactive comment on “The potential of
observed soil moisture dynamics for predicting
summer evapotranspiration in a successional
chronosequence” by J. A. Breña Naranjo et al.***

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Dear Mr. Breña,

The reviewers, which are all experts in this field, have major concerns about the presented study that may be condensed as follows: - There are well reasoned concerns that the proposed approaches might be too simple as they do neither account for a closed energy balance nor for plant morphological parameters, that soil moisture point observations might be not representative to be compared with eddy flux data and crucial fixes in the model are poorly justified. - The approach is a good alternative if no

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eddy flux data are available, but that the conclusions about the potential impact are a little too optimistic.

If these important issues are well addressed in the revised manuscript, I am convinced that the study will be of high interest of the audience of HESS.

Best regards,

Erwin

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