

Hydrol. Earth Syst. Sci. Discuss., community comment CC1  
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## Reply on RC1

Jose Gutierrez Lopez

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Community comment on "Predicting soil moisture conditions across a heterogeneous boreal catchment using terrain indices" by Johannes Larson et al., Hydrol. Earth Syst. Sci. Discuss., <https://doi.org/10.5194/hess-2021-560-CC1>, 2022

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Interesting observations.

One detail that I believe should be added, is that "soil moisture" is just an umbrella term that might include quantifiable, and unquantifiable amounts of water. The spatiotemporal and quantifiable soil moisture can be "volumetric water content" or "gravimetric water content", which once normalized for porosity gives us some form of saturation (or extractable water, as some authors in ecology call it)

Yes, I agree, and I believe authors predicted "soil wetness", or "aparent soil saturation", but neither soil moisture, nor the ones I suggest are quantifiable. So the use of "soil moisture", is not necessarily inadequate.

Perhaps authors can make this distinction in the introduction and methods, if they feel it is necessary within their field of study