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Hydrology and Earth System Sciences
Discussions

Interactive comment on "Potential evaporation at eddy-covariance sites across the globe" *by* Wouter H. Maes et al.

Ravazzani (Referee)

giovanni.ravazzani@polimi.it

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This paper presents an analysis of methods to assess potential evaporation and transpiration using data across the globe coming from the FLUXNET database. This is the first time I read this paper even though authors mention the existence of an earlier version of the manuscript in the acknowledgement section. Probably due also to this fact, I found this paper very interesting and well written. My only concern is about the choice of methods to compute evaporation. They present analysis results for methods based on radiation and temperature, methods based on radiation, methods based on temperature. Surprisingly, among these latter, the Hargreaves-Samani method is not included. To my knowledge the Hargreaves-Samani method is widely used and has given satisfactory results in several biomes. So my question is how the methods to

assess evaporation have been chosen and why Hargreaves-Samani equation is not included.

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