

Interactive comment on “A new probability density function for spatial distribution of soil water storage capacity leads to SCS curve number method” by Dingbao Wang

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It is interesting to see how these different models based on the same concept are connected to each other. I think it will be very interesting to use the proposed distribution function for soil moisture capacity in models such as HyMOD and see how it may improve the ability of the model in simulating/predicting streamflow. It will also be interesting to fit the proposed distribution to empirical distribution functions for soil moisture capacity (based on regional/global soil data) in different locations, and see how the proposed distribution may (or may not) resonate better with the empirical distributions. I personally find this a potential solution/improvement to my work using HyMOD on

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streamflow prediction in ungauged basins.

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., <https://doi.org/10.5194/hess-2018-32>, 2018.

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