

Interactive comment on “Saturated Hydraulic Conductivity and Textural Heterogeneity of Soils” by Carlos García-Gutiérrez et al.

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The manuscript "Saturated Hydraulic Conductivity and Textural Heterogeneity of Soils" brings an interesting approach in predicting K_{sat} values based on IE and textural heterogeneity behaviour. A grand USDA data set was used to test this approach. However, I think that a comparison of the obtained K_{sat} results against other results published on literature (which have used other methods) would be very nice. It could be a simple table showing R^2 and RMSE results with a text discussion for K_{sat} under the same textural classes ranging different methods and authors or other idea of authors. Thus, readers could have an idea of how is the performance of this method in front of other known methods. Title of this manuscript could be more specific about used method. I would write something like: "Prediction of Saturated Hydraulic

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Conductivity based on Textural Heterogeneity and Information Entropy of Soils". Some comments and details are presented in attached in other to help authors.

Please also note the supplement to this comment:

<https://www.hydrol-earth-syst-sci-discuss.net/hess-2017-706/hess-2017-706-RC1-supplement.pdf>

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., <https://doi.org/10.5194/hess-2017-706>, 2017.

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