

Interactive comment on “3D Multiple-point Statistics Simulations of the Roussillon Continental Pliocene Aquifer using DeeSse” by Valentin Dall’Alba et al.

Anonymous Referee #3

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This paper presents a promising way of applying Direct Sampling, while avoiding the necessary step of creating a 3D Training Image. The presented results are, however, missing a presentation of the vertical connectivity of the simulations. This is an essential part of the presented method, where in order to replace the 3D TI with 2D TIs, vertical constraints are imposed. Currently the reader can not see how well these vertical constraints worked on the results.

Please also note the supplement to this comment:

<https://www.hydrol-earth-syst-sci-discuss.net/hess-2020-96/hess-2020-96-RC3-supplement.pdf>

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Interactive comment on Hydrol. Earth Syst. Sci. Discuss., <https://doi.org/10.5194/hess-2020-96>, 2020.

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