



## ***Interactive comment on “Presentation and discussion of the high resolution atmosphere-land surface subsurface simulation dataset of the virtual Neckar catchment for the period 2007–2015” by Bernd Schalge et al.***

**Anonymous Referee #2**

Received and published: 20 April 2021

The paper titled "Presentation and discussion of the high resolution atmosphere-land-surface-subsurface simulation dataset of the virtual Neckar catchment for the period 2007-2015" introduces a comprehensive simulation of the land/atmosphere using the TerrSysMP dataset over the Neckar catchment between 2007-2015. My first impression of the paper was that indeed the authors have put in extensive work to create a comprehensive virtual reality of the Neckar catchment. The methods are comprehensive and the results are sufficiently developed. However, I still am left with the question

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of what is this data going to be used for beyond the work done by the authors. From my understanding, a publication in ESSD should be a dataset that one could expect to be used extensively by the larger community. If this covered the entire country or Europe then that would be a different story, but I just don't see it as is. I still believe the work should be published but the paper would greatly benefit by putting it all in a greater context. I suggest the discussion provide a much more detailed overview of what this data could be used for and why it is necessary to have a unique dataset instead of just having each researcher rerun the simulations. In essence, it would be nice to know what this dataset could provide the larger scientific community 5-10 years from now. Unless that argument is compelling, it is hard to argue for the need for this dataset to be published.

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Interactive comment on Earth Syst. Sci. Data Discuss., <https://doi.org/10.5194/essd-2020-24>, 2020.

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