

Interactive comment on “Development of the Community Water Model (CWatM v1.04) A high-resolution hydrological model for global and regional assessment of integrated water resources management” by Peter Burek et al.

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Thank you for your review of our paper. We are glad that you find our model valuable and that you recommend the paper for publication.

In this comment we report the reviewer’s comments under <> brackets, followed by our replies.

<The full data set was available for download at <https://zenodo.org/record/3361560#.XapscehKhPY> but did not include soil data>

C1

Thank you for testing and pointing out that we missed some data. We want to emphasize that a open source model is only useful, if the data set is also available. We looked again at the data set and uploaded a new and tested data set on <https://doi.org/10.5281/zenodo.3528098> together with a climate set for the Rhine basin for testing purpose. We also changed the link in the paper pointing to the new data set.

< I would also recommend adding more details about the climate data >

The uploaded data includes a climate forcing data set cut to the Rhine basin and the description of the database include the text in the meteo_wfdei_rhine_README.txt. Several global climate forcing data are available for download on the web and no conversion is necessary because CWatM can read netcdf format. We added a sentence to the paper: Climate forcing data can be found on the ISI-MIP server (Frieler et al., 2016) or any other climate forcing data stored as netcdf can be used.

Interactive comment on Geosci. Model Dev. Discuss., <https://doi.org/10.5194/gmd-2019-214>, 2019.

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