

Interactive comment on “Development of Asia Pacific Weather Statistics (APWS) dataset for use in Soil and Water Assessment Tool (SWAT) simulation” by Uttam Ghimire et al.

Anonymous Referee #1

Received and published: 15 December 2019

The manuscript (essd-2019-178) aimed to developing a high-resolution Asia Pacific Weather Statistics (APWS) dataset in a format ready to be used in SWAT simulations. However, there have several issues in the ms as the requests of ESSD.

1. Authors should highlight why the APWS is a original research dataset? Because the current ms presented that the APWS dataset is only a repacking of APHRODITE for running the SWAT software. Besides, there has no description on the improvement of original dataset.
2. The evaluation of APWS dataset is not reasonable. The evaluation comparison between APWS and CFSR datasets is not necessary or a inferior way. Authors should

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focus on the observed-based evaluations to indicate the original and quality-improved APHRODITE (i.e., APWS).

3. The construction of the ms should be improved. Current ms (introduction, method, result, and discussion) focused on the data repacking and devoted to perform the comparison with CFSR. Authors should reorganize the ms and focus on improving the quality of frequently-used datasets for running the SWAT.

Interactive comment on Earth Syst. Sci. Data Discuss., <https://doi.org/10.5194/essd-2019-178>, 2019.

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