

Interactive comment on “Evaluation of a bias correction method applied to downscaled precipitation and temperature reanalysis data for the Rhine basin” by W. Terink et al.

Anonymous Referee #1

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Uncertainty of the hydrological model is an important scientific problem in hydrological modeling. However, uncertainty of the dataset in terms of errors is the major source of the uncertainty of the hydrological models. So do the meteorological models. As a major input of the hydrological model, uncertainty of the output of GCMs should cause greater uncertainty of the modeling results of the hydrological models. Therefore, the method devoted to correct the outputs of GCMs means too much with respect to the reduction of the uncertainty of the outputs of the hydrological models. This paper put forward correction methods with respect to temperature and precipitation. Besides, the authors compared the results of corrected and uncorrected temperature and precipitation data and the results show reasonably good performance of the methods. I suggest

C14

the paper be accepted for publication. Some suggestions are here: 1) the language should be further improved to exclude some language mistakes and wrong typing; 2) more discussions are necessary to address the advantages and disadvantages of the techniques and authors came up with to show the robustness of these methods in corrections of the modeled meteorological data; 3) implications of the corrected and uncorrected data for the output of the hydrological models are also needed to be clarified; 4) the structure of the paper is considered to be reorganized, such as Introduction, Methodology, Results, Discussions, Conclusions, and something alike.

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C15