

# ***Interactive comment on “Exploring the Long-Term Reanalysis of Precipitation and the Contribution of Bias Correction to the Reduction of Uncertainty over South Korea: A Composite Gamma-Pareto Distribution Approach to the Bias Correction” by Dong-Ik Kim et al.***

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To give a preliminary summary of the reviews, I would like to point out here that the first two reviewers are both very critical about the scientific significance and the scientific quality of this manuscript. Reviewer 1 e.g. states that "the contribution of this paper to the scientific progress is low.". And even if the overall comments of reviewer 1 seem rather positive, this reviewer, in the formal paper evaluation to the editor, recommends

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rejection of this manuscript.

The critics of reviewer 2, who also recommends rejection, are more profound. Reviewer 2 states and discusses that i) "deterministic bias correction of precipitation cannot be used for downscaling, and in particular not to create spatial fields" and ii) "The discussion in the manuscript is rather naive and largely ignores problems of bias correction and reanalysis data. It also ignores much of the literature in the field. (..) the authors do not make any attempt to discuss which kind of biases can be corrected in their context."

The authors have provided answers to the first two reviews. Before I give a final comment on how to proceed with the paper, based also on these answers, I am waiting for a third review.

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