

Responses to Executive Editor (Astrid Kerkweg) about “R²D²: Accounting for temporal dependences in multivariate bias correction via analogue ranks resampling”

Mathieu Vrac and Soulivanh Thao

Laboratoire des Sciences du Climat et de l'Environnement (LSCE-IPSL), CEA/CNRS/UVSQ, Université Paris-Saclay
Centre d'Etudes de Saclay, Orme des Merisiers, 91191 Gif-sur-Yvette, France

Comment:

Dear authors,

in my role as Executive editor of GMD, I would like to bring to your attention our Editorial version 1.2:

<https://www.geosci-model-dev.net/12/2215/2019/>

- 5 *This highlights some requirements of papers published in GMD, which is also available on the GMD website in the ‘Manuscript Types’ section: http://www.geoscientific-model-development.net/submission/manuscript_types.html*

In particular, please note that for your paper, the following requirement has not been met in the Discussions paper: - “The main paper must give the model name and version number (or other unique identifier) in the title.”

Please add a version number for R2D2 in the title upon your revised submission to GMD.

- 10 *Yours,*

Astrid Kerkweg

Answer:

- 15 *Indeed, this was missing. As the method presented in this submission relies on an extension/improvement of the R²D² method by Vrac (2018), it is then its version 2. The title is now:*

“R²D² v2.0: Accounting for temporal dependences in multivariate bias correction via analogue ranks resampling”

References

Vrac, M.: Multivariate bias adjustment of high-dimensional climate simulations: the Rank Resampling for Distributions and Dependences (R2D2) bias correction, *Hydrology and Earth System Sciences*, 22, 3175–3196, <https://doi.org/https://doi.org/10.5194/hess-22-3175-2018>,

20 2018.