

Geosci. Model Dev. Discuss., chief editor comment CEC1
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Comment on gmd-2022-57

Juan Antonio Añel

Chief editor comment on "Downscaling multi-model climate projection ensembles with deep learning (DeepESD): contribution to CORDEX EUR-44" by Jorge Baño-Medina et al., Geosci. Model Dev. Discuss., <https://doi.org/10.5194/gmd-2022-57-CEC1>, 2022

Dear authors,

After checking your manuscript, it has come to our attention that it does not comply with our Code and Data Policy.

https://www.geoscientific-model-development.net/policies/code_and_data_policy.html

We can not accept the UDGat the Universidad de Cantabria as the repository for the data. According to our policy, it does not comply with the requirements (funding secured for decades, independence of a single institution, etc.) Moreover, after login into the portal to access the ECMWF_ERA-Interim-ESD data, it is necessary to request approval. This is against our policy; it would be the same that simply stating "data available upon request", and it compromises the replicability of the work. You should move the data necessary to a public repository that complies with our policy (e.g. Zenodo, which you already use). Without being fully familiar with your work, I understand that a complete dataset of ERA fields can have a substantial size (several hundreds of GB) that prevents it from being feasible. Please save a small dataset of predictors as a sample that improves the replicability in such a case. Also, be aware that in this way, the Jupyter notebooks should link the new repositories and not the servers at the Universidad de Cantabria.

Also, you refer to GitHub several times in the Code and Data availability section. GitHub is not a suitable repository for scientific publication. GitHub itself instructs authors to use other alternatives for long-term archival and academic publishing, such as Zenodo (GitHub provides a direct way to copy your project to a Zenodo repository). Therefore, please, publish frozen versions of the code used in this work (this includes C4R) in one of the appropriate repositories, and remove from the text and notebooks the mentions to GitHub, as they can be confusing to the reader.

A note, the Terms of Use to access the User Data Gateway at the Universidad de Cantabria are not available. The link shows an ERROR 500 message.

Juan A. Añel

Geosci. Model Dev. Executive Editor