

Chief editor comment

Dear authors,

Unfortunately, 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

For part of the data used in your study, you cite external sites and papers that do not comply with the requirements for data archival of the journal, namely the maximum crop height data and the climate data from the ISIMIP3b:

- They do not appear to have a published policy for data preservation over many years or decades (some flexibility exists over the precise length of preservation, but the policy must exist).

- Also, they do not appear to have a published mechanism for preventing authors from unilaterally removing material. Archives must have a policy which makes removal of materials only possible in exceptional circumstances and subject to an independent curatorial decision,

If we have missed a published policy which does in fact address this matter satisfactorily, please post a response linking to it. If you have any questions about this issue, please post them in a reply.

The GMD review and publication process depends on reviewers and community commentators being able to access, during the discussion phase, the code and data on which a manuscript depends, and on ensuring the provenance of replicability of the published papers for years after their publication. Please, therefore, publish your code and data in one of the appropriate repositories and reply to this comment with the relevant information (link and a permanent identifier for it (e.g. DOI)) as soon as possible. We cannot have manuscripts under discussion that do not comply with our policy.

Later, if the Topical Editor decides to continue with the review or publication process of your manuscript and you are requested to upload a new version of it, then The 'Code and Data Availability' section of your manuscript must also be modified to cite the new repository locations, and corresponding references added to the bibliography.

I must note that if you do not fix this problem, we cannot continue with the peer-review process or accept your manuscript for publication in GMD.

Juan A. Añel

Geosci. Model Dev. Executive Editor

Dear Juan A. Añel,

thank you very much for pointing that out. We are sorry that we did not realize ISIMIP and GRIN-Global do not comply with the GMD requirements for data archival.

To ensure the requested data preservation, we will publish the data and will add the links and permanent identifiers and associated descriptions in the *Code and Data Availability* section of the revised manuscript.