Comment on gmd-2021-339

Juan Antonio Añel

Chief editor comment on "Order of magnitude wall time improvement of variational methane inversions by physical parallelization: a demonstration using TM5-4DVAR" by Sudhanshu Pandey et al., Geosci. Model Dev. Discuss., https://doi.org/10.5194/gmd-2021-339-CEC1, 2021

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
You have archived the TM5 code in SourceForge. However, SourceForge is not a suitable repository for long-term archival and publishing. Therefore, please, publish your code in one of the appropriate repositories.
In this way, before the Discussions stage is closed, you must reply to this comment with the link to the repository for the code and the corresponding DOI.
Also, you must include in a potential reviewed version of your manuscript the modified 'Code and Data Availability' section and the DOI of the code. Also, in the SourceForge repository, I have not seen a license listed for TM5. If you do not include a license, the code continues to be your property and can not be used by others. Therefore, when uploading the model's code to the repository, you could want to choose a free software/open-source (FLOSS) license. We recommend the GPLv3. You only need to include the file 'https://www.gnu.org/licenses/gpl-3.0.txt' as LICENSE.txt with your code. Also, you can choose other options that Zenodo provides: GPLv2, Apache License, MIT License, etc.

Finally, in the same way, it would be good if you archive and make available a snapshot of the exact file with the methane data used in your work, with its corresponding DOI. We can not consider the NOAA site as a permanent, long-term link.
Please, reply as soon as possible to this comment with the link for it so that it is available for the peer-review process, as it should be.

Regards,

Juan A. Añel

Geosc. Mod. Dev. Executive Editor