

Geosci. Model Dev. Discuss., chief editor comment CEC1  
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## Comment on gmd-2022-110

Juan Antonio Añel

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Chief editor comment on "Improved upper-ocean thermodynamical structure modeling with combined effects of surface waves and  $M_2$  internal tides on vertical mixing: a case study for the Indian Ocean" by Zhanpeng Zhuang et al., Geosci. Model Dev. Discuss., <https://doi.org/10.5194/gmd-2022-110-CEC1>, 2022

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Dear authors,

After checking your manuscript, it has come to our attention that it does not comply with our Code and Data Policy to many levels.  
[https://www.geoscientific-model-development.net/policies/code\\_and\\_data\\_policy.html](https://www.geoscientific-model-development.net/policies/code_and_data_policy.html)

Therefore, we have to request you several amendments (listed below) and full compliance with our policy. Failure to fix these issues will result in the rejection of your work for publication in our journal.

First, you have archived your code and part of your data on GitHub. However, GitHub is not a suitable repository (we make it clear in our policy). GitHub itself instructs authors to use other alternatives for long-term archival and publishing, such as Zenodo. Therefore, please, publish your code and data in one of the appropriate repositories.

Secondly, for data access, you cite repositories in third-party servers that are not suitable for publication purposes (NOAA, Columbia, etc.) You must upload to one of the suitable repositories the data that you have used in your work instead of citing generic web pages that are continuously updated. Then, you must include in the Code and Data availability section of your paper the link and DOI of the new repositories.

Third, both the MASNUM wave model and the oceanic model are provided without a license. If you do not include a license, the code continues to be your property and can not be used by others, despite any statement on being free to use. Therefore, when uploading the model's code to the repository, you could want to choose a free software/open-source (FLOSS) license. In our editorial guidelines, 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.

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Please, reply as soon as possible to this comment. All these issues should have been

addressed before beginning the Discussion period; however, it is now close to its end.

Juan A. Añel

Geosci. Model Dev. Executive Editor