

Geosci. Model Dev. Discuss., chief editor comment CEC1
<https://doi.org/10.5194/gmd-2021-34-CEC1>, 2021
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Comment on gmd-2021-34

Astrid Kerkweg

Chief editor comment on "An automatic lake-model application using near-real-time data forcing: development of an operational forecast workflow (COASTLINES) for Lake Erie" by Shuqi Lin et al., Geosci. Model Dev. Discuss.,
<https://doi.org/10.5194/gmd-2021-34-CEC1>, 2021

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/>

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 requirements have 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.
- "Code must be published on a persistent public archive with a unique identifier for the exact model version described in the paper or uploaded to the supplement, unless this is impossible for reasons beyond the control of authors. All papers must include a section, at the end of the paper, entitled "Code availability". Here, either instructions for obtaining the code, or the reasons why the code is not available should be clearly stated. It is preferred for the code to be uploaded as a supplement or to be made available at a data repository with an associated DOI (digital object identifier) for the exact model version described in the paper. Alternatively, for established models, there may be an existing means of accessing the code through a particular system. In this case, there must exist a means of permanently accessing the precise model version described in the paper. In some cases, authors may prefer to put models on their own website, or to act as a point of contact for obtaining the code. Given the impermanence of websites and email addresses, this is not encouraged, and authors should consider improving the availability with a more permanent arrangement. Making code available through personal websites or via email contact to the authors is not sufficient. After the paper is accepted the model archive should be updated to include a link to the GMD paper."

(1) At the beginning of the introduction you state that you introduce "a three-dimensional operational lake hydrodynamic forecast system called COASTLINES" . Please add this name to the title of your publication upon revision of the article.

(2) In the Code Availability Section you state "The Python code used for the COASTLINES were shown in the Appendices.." The appendices do only contain 3 individual scripts and not a forecast system. I did not see, how they do interact with each other and the model. Therefore please make the full code you are describing and publishing here available to fulfill the GMD guidelines.

Yours,

Astrid Kerkweg