

Geosci. Model Dev. Discuss., author comment AC1
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Reply on CEC1

Markus Drüke et al.

Author comment on "CM2Mc-LPJmL v1.0: Biophysical coupling of a process-based dynamic vegetation model with managed land to a general circulation model" by Markus Drüke et al., Geosci. Model Dev. Discuss., <https://doi.org/10.5194/gmd-2020-436-AC1>, 2021

Dear Juan A. Añel,

thank you for the comment. We now archived the code and output data, as used for the Discussion Paper, on Zenodo.

The model code consists of the adapted LPJmL5 code and a file to show the differences to the official MOM5 code (<https://github.com/mom-ocean/MOM5/releases/tag/5.1.0>). We further provide a README for all necessary information in order to download, prepare, compile and execute the model code. Input data is not directly provided, because it is derived from external sources but information on where to access it is given in the README.

The output data contains the model output, used for producing the figures in the paper. For the final publication it is planned to archive the complete model output data at <https://dataservices.gfz-potsdam.de>, which needs more preparation time.

The original code of LPJmL4 (<https://github.com/PIK-LPJmL/LPJmL>) is published under the open source licence AGPLv3. After this repository is updated to the current LPJmL5 version, the code for the coupled LPJmL version will be also published there, using the same open source licence.

Code: <https://doi.org/10.5281/zenodo.4700270>

Data: <https://doi.org/10.5281/zenodo.4683086>

Yours sincerely,

Markus Drüke

on behalf of all the co-authors