

Interactive comment on “Version 1 of a sea ice module for the physics based, detailed, multi-layer SNOWPACK model” by Nander Wever et al.

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Thank you for your efforts to make your code and data available. There are still some aspects which do not conform to GMD policy and which need to be changed in the revised manuscript.

Links to SVN repositories

Links to SVN repositories are not permanent archives of the code. Should the project, for example, change revision control system then these links will go dead and the version numbers will no longer identify the code. Please persistently and publicly archive

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the exact version of the code used, and cite the resulting DOI accordingly. Most authors choose to use Zenodo (<https://zenodo.org>) for this, though any archive compliant with GMD policy will do.

No run or analysis scripts

It is at least not clear where the code is that ran the model (model input and configuration files, for examples), nor the code that was used to analyse the results and produce the figures and numerical results in the manuscript. These also form part of the code supporting the manuscript and should be published.

Data citations are underspecified

The data from Meereisportal is insufficiently clearly specified (which dataset, which version, which dates etc.) The site itself contains information on how it should be cited, please follow it (http://data.meereisportal.de/gallery/index_new.php?lang=en_US&survey=&active-tab1=citation&active-tab2=). In particular, URLs can change, so just citing URLs is difficult. Further, it does not seem to be the case that all the data used has been cited. For example, there is mention elsewhere in the manuscript of the use of ERA5 data. Please ensure that all the data and code used in the production of the manuscript is precisely identified and cited from the code and data availability section.

For further details see the GMD code and data availability policy: https://www.geoscientific-model-development.net/about/code_and_data_policy.html

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