

Interactive comment on “The SSP greenhouse gas concentrations and their extensions to 2500” by Malte Meinshausen et al.

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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

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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."
- Papers describing data sets designed for the support and evaluation of model simulations are within scope. These data sets may be syntheses of data which have been published elsewhere. The data sets must also be made available, and any code used to create the syntheses should also be made available.

The cited text is mainly focused on Code, however, the editorial states that the same criteria adhere to newly developed data sets. Therefore, a version number for the data

set should be provided in the title of the manuscript, to enable a distinction of data sets, if in a later stages updates of the same data set are required. Regarding the data availability, permanent access to the data set as published in this article must be ensured. Therefore, please consider to acquire a DOI for the full data set (e.g. via zenodo).

Please consider to move your paper to the manuscript type "Model experiment description papers", as it might be better placed there (see third point in the above list, which comes from this manuscript type)

Yours,

Astrid Kerkweg

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