Geoscientific
Model Development
Discussions

Interactive comment on "A simplified parameterization of isoprene-epoxydiol-derived secondary organic aerosol (IEPOX-SOA) for global chemistry and climate models" *by* Duseong S. Jo 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 1.1:

http://www.geosci-model-dev.net/8/3487/2015/gmd-8-3487-2015.html

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."

- "If the model development relates to a single model then the model name and the version number must be included in the title of the paper. If the main intention of an article is to make a general (i.e. model independent) statement about the usefulness of a new development, but the usefulness is shown with the help of one specific model, the model name and version number must be stated in the title. The title could have a form such as, "Title outlining amazing generic advance: a case study with Model XXX (version Y)"."

- "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. After the paper is accepted the model archive should be updated to include a link to the

GMD paper."

Consequently,

- add a version number for your new parametrization. Even if this is "only" a parametrisation, it might be changed in the future. In this case the version number is important to identify the exact version of the parametrisation used.

- as the main evaluation results are from GEOS-Chem simulations, add this to the title including the version number identifying the modified GEOS-Chem model version unambiguously.

- note that at least the code developments published in the manuscript need to become public themselves. For your article this means that at least the box model needs to be publicly available under a persistent repository or in the supplement BEFORE final acceptance of the paper. It would be best to also make the full modified version of GEOS-Chem available in a public permanent repository, if this is prohibited by license issues, please state this explicitly and add how to get access to the GEOS-Chem code.

Yours,

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