

Thank you for all help provided. Below is a list of all changes that have been made.

Please address a few minor technical corrections before submitting your final version for publication. These are:

- Provide the replies of the community comments not answered yet in the discussion forum. Use the same text provided in the authors response file and paste it in the respective comments in the discussion forum. If this is not technically possible, please contact Copernicus Publications to enable this.

We have uploaded all replies.

- Change all url links in the text to references following the style guidelines for GMD explained here: <https://www.geoscientific-model-development.net/submission.html#references> including a last access date.

All url links has been replaced by references

- Check grammar, style or meaning in sentences at lines 158-159, and 562.

We have corrected these sentences

- The abbreviations BC and OC in line 411 are not defined before nor included in the abbreviation list at the end of the article.

Descriptions of BC and OC were now added and the abbreviation explained in the list.

- Close parenthesis in line 683.

This has been done.

After consultation with the editor, also one author was added to the author list.

We have 3 more very small grammar changes.

Page 4 "For each CMIP7 scenario a marker was selected that accurately represented the description of the scenario." (instead of very well).

Page 16 "However, we expect emulator to be useful in filling the scenario space." (instead of original text saying interesting)

Page 26 "The period 2100-2150 covered by the extensions is meant to be run as a continuation of each 21st century scenario simulation in Tier 1" (instead of using the term 'normal runs').