Geoscientific
Model Development
Discussions

Interactive comment on "An exploratory performance assessment of the *CHIMERE* model (version 2017r4) for the northwestern Iberian Peninsula and the summer season" *by* Swen Brands et al.

Anonymous Referee #1

Received and published: 13 March 2020

I already performed a review of the paper at ACP(D): https://www.atmos-chem-phys-discuss.net/acp-2019-351/

All relevant points from this first review were considered in the new submission. The quality of the manuscript increased clearly and it is well suited for publication in GMD(D). However, before I can recommend the manuscript for publication in GMD some minor issues need to be fixed:

(1) The authors performed a lot of simulations and when looking at the Figures (e.g.

Fig. 10) I feel totally lost. There are so many abbreviations which I simply cannot remember (I know that Table 3 lists all of them). Of course the naming of simulations is always a discussion point and I see where it is problematic to find names which everyone 'likes'. However, I would suggest that the authors spend some lines of texts about their naming convention of their simulations so that the reader gets familiar with your naming convention.

(2) Figures 2-3 and 6-7 show statistical measures over the sub figures (SBIAS etc.). The text is simply to small for reading. Either put the numbers in separate tables, increase the size or delete them.

Technical comments: Please run a full spell checking of the revised manuscript. While reading I found some errors which should be found by a spell checker.

p3l71: horzizontal

p3l74ff: The sentence is unclear. It is also unclear why your cite Pay et al 2019 (they used CMAQ)

p9l24: high hores?

p17l525: troposfere

Interactive comment on Geosci. Model Dev. Discuss., https://doi.org/10.5194/gmd-2020-44, 2020.