

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 #2

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As a reviewer I already examined and commented a previous version of the manuscript, which was initially submitted to ACP. The paper has been in accordance with editor and reviewers transferred to GMD, since it has a quite technical focus. With this newly submitted manuscript the authors addressed all critical points raised by me, I am fully satisfied with their response. The manuscript has considerably improved. The study has been extended by using additionally a more recent emission data set from EMEP, what gave the comparison with observations on a sound basis. Also at several passages text segments have been added which help the reader to better grasp how the

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study was actually performed. It would have been interesting to also explore the applied pre-set functions used for the time disaggregation of the annual emissions for study region. This might be a task for a follow up analysis. There still are a few typos in manuscript and some numbers in the figure may be too small to be readable. Thus, standard editorial work is need. In conclusion, I recommend this manuscript for publication in GMD.

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