

## ***Interactive comment on “Carbon-concentration and carbon-climate feedbacks in CMIP6 models, and their comparison to CMIP5 models” by Vivek K. Arora et al.***

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**We would like to thank both reviewers for their helpful and useful comments on our manuscript. Our response to reviewer #1's comments is shown in bold below.**

Reviewer # 1

I did not find any obvious errors or omissions in the manuscript, but I believe that the abstract should report the mean values of the carbon-concentration and carbon-climate feedback parameters for land and for the ocean calculated using the fully-coupled con-

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figuration.

**We agree with reviewer 1 and we will show mean values of the carbon-concentration and carbon-climate feedback parameters as well as TCRE for land and for the ocean in the abstract when revising our manuscript.**

Besides, I would recommend to revise the first abstract of the 'Introduction' if the authors would have some spare time. I think it would be better to replace it with a brief historical overview of the climate feedbacks problem citing some seminal work on this Subject.

**Thank you for this good suggestion. We will mention the primary feedbacks that operate in the climate system and put the carbon cycle related feedbacks in context of these primary climate system feedbacks in the first paragraph of the introductory section.**

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