Dear Editor,

First of all, Happy New Year, and many thanks for the fast response!

I carefully revised the manuscript and inserted some responses to the comments/suggestions below. All the changes in the manuscript are highlighted in red fonts in the tracking file.

Best wishes.

Wenjuan

- I.270 - rephrase "w.r.t the MPI-ESM-HR contribution ..." with "compared to the MPI-ESM-HR contribution forced with CMIP5 data ...", or similar

→ Revised.

- I. 131 'stability' -> maybe "reproducibility" or "persistence" would be a better word here?
 - → Thanks for the suggestion. We replaced it with "persistence".
- I. 133 please spell out / define what CCR stands for (still not fully clear)
 - → Revised, please see lines 131-132.
- I. 134 change "reduce the overall signal" with "reduce the overall signal-to-noise ratio compared to the response derived from the full period", or similar
 - → Revised
- correct title formatting in the final manuscript
 - → Corrected.
- I. 322 "have large uncertainty in the early history periods". First, "history" should be replaced with "historical". Second it's not clear what exactly do you mean here. Do you mean that the differences in model climatologies for those early periods are small compared to ERA5 (1960-2014), and hence not statistically significant? I find that hard to believe. Or do you mean that if you define those differences this way, these are not really true model 'biases', but rather just reflect a comparison between past and present-day periods? Either way, this should be made clear in the text, please.
 - → Sorry for the confusing description. We rewrote the sentences. Please see lines **320**-**327**.