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# *Interactive comment on* "An update of IPCC climate reference regions for subcontinental analysis of climate model data: Definition and aggregated datasets" *by* Maialen Iturbide et al.

**Jason Evans**

jason.evans@unsw.edu.au

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Overall these new regions are a sensible improvement on the previously used regions. However, I am surprised to see central and eastern Australia put into the same region. They are distinct from each other climatically but also in many other ways. I was even more surprised to read "The possibility to include a new region for eastern Australia to treat separately this wetter region was also considered, but was not implemented due to the limited size of the resulting region." A small amendment to include a separate Eastern Australia (EAU) region could be done as shown below. This region is similar in size (bigger in some cases) to the existing regions BOB, ARS, ARP, SAM, SSA – so



the statement above does not seem to be justified by the current region map. I urge the authors to reconsider leaving out the EAU as this region is climatically distinct from the arid central Australia region and will be extremely useful to anyone interested in Australian climate.

Interactive comment on Earth Syst. Sci. Data Discuss., https://doi.org/10.5194/essd-2019-258, 2020.

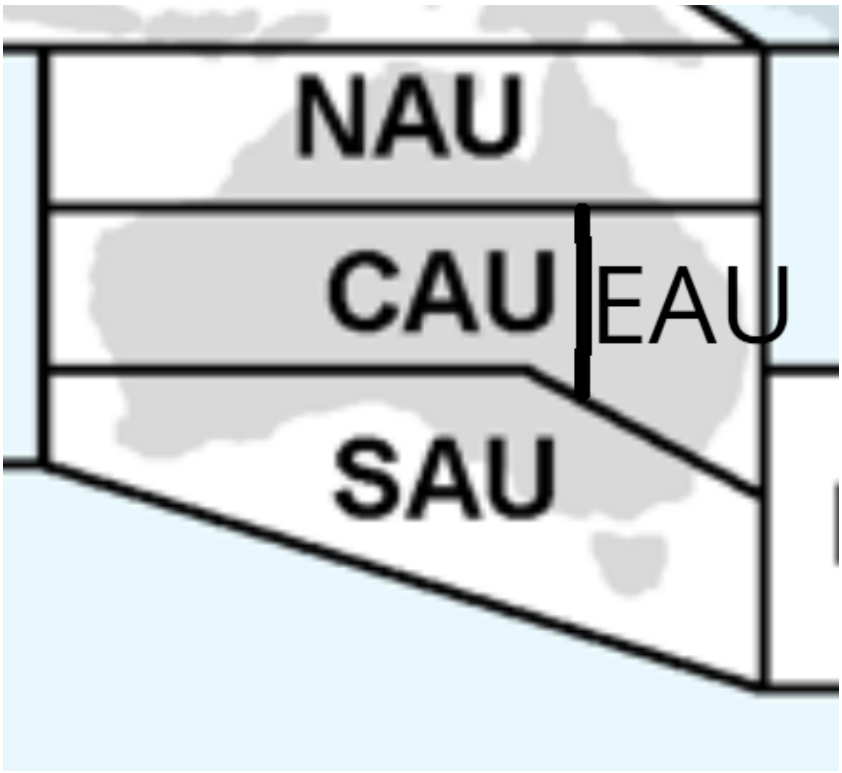


**Fig. 1.**