

”Contrasting projection of the ENSO-driven CO₂ flux variability in the Equatorial Pacific under high warming scenario” by P. Vaithinada Ayar et al.

We first would like to thank the Dr.Gabriele Messori his thorough reading and swift handling of this manuscript. We also thank you for considering this work for publication. We replied the editor comment and changes in the manuscript are indicated in [blue](#).

Answer to the Editor :

Dear Authors,

Following your revisions, the manuscript is suitable for publication in ESD. The only minor point I would ask you to implement is to add a sentence to the text addressing the analysis you have conducted in Figs. R2 and R3, which is a good test of the robustness of your results.

Best Regards,

Gabriele Messori

Authors' response : Thank you for this point. This question has been addressed in lines 171-173 of the revised manuscript as :

Same results a are obtained when looking for more extreme El Niño and La Niña regimes (for months with Niño34 index respectively above 1.5 s.d. and below -1.5 s.d., not shown).

Thank you again for your consideration.

With Regards,

Pradeebane Vaithinada Ayar

On behalf of all the co-authors