

Interactive comment on “ENSO-driven fluctuations in oxygen supply and vertical extent of oxygen-poor waters in the oxygen minimum zone of the Eastern Tropical South Pacific” by Yonss Saranga José et al.

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Dear colleagues, Thank you for this very interesting paper. I would like to mention that there are to my knowledge at least other modelling studies addressing the topic of your paper. The first is from Mogollon and Calil (2017) who also modelled the impact of the 1997-1998 event in the Peru upwelling system using the same regional model (ROMS-BIOEBUS). I think this study is directly comparable to yours. The other, Espinoza-Morriberon et al. (2019), is more recent and focuses on El Niño events in the period 1958-2008 and their impact on oxygen, using the ROMS-PISCES model. It came out

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early this year. It would be interesting to compare your results to their findings. I also want to bring to your attention that the two leading authors of these papers are Peruvian, who recently defended their PhD. I think their work deserves to be cited in your study.

Best regards, Vincent Echevin

Mogollón, R., & Calil, P. H. (2017). On the effects of ENSO on ocean biogeochemistry in the Northern Humboldt Current System (NHCS): A modeling study. *Journal of Marine Systems*, 172, 137-159.

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