

Interactive comment on “Influence of late Quaternary climate on the biogeography of Neotropical aquatic species as reflected by non-marine ostracodes” by Sergio Cohuo et al.

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We deeply appreciate your comments and suggestions, and we consider that they greatly improve the manuscript.

Comments 1, 2, 3: In regard to reference suggestions, we are considering including them all as they support our inferences. We consider appropriate to modify the introduction structure by integrating more global topics, however as the study is restricted to regional scale, we will continue describing in detail past climate fluctuations of the northern Neotropical region.

C1

Comments 4, 7. Core chronology and sampling methods are described in Kutterolf et al. (2016) and Mueller et al. (2010), respectively, whereas ostracode picking, counting and identification is described in Cohuo et al. (2018). We will, however, follow the reviewer suggestion and include some general methods to clarify sampling resolution and support our discussion.

Comments 5, 6, 8, 9: we will clarify and correct according the reviewer suggestions.

Comment 10: The responses of freshwater and marine ostracodes to climate changes will be mentioned, but given that ecological and biogeographical dynamics can be different between environments, we do not consider necessary to discuss it in detail in the manuscript.

Interactive comment on Biogeosciences Discuss., <https://doi.org/10.5194/bg-2019-235, 2019>.

C2