

Biogeosciences Discuss., author comment AC1
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Reply on RC1

Kunio Kaiho

Author comment on "Relationship between extinction magnitude and climate change during major marine and terrestrial animal crises" by Kunio Kaiho, Biogeosciences Discuss., <https://doi.org/10.5194/bg-2022-29-AC1>, 2022

Thank you for your comments.

I use 'correlated' as 'corresponding to'. I revised 'correlate' to "correspond to"

I revised 'good correlation' to 'good relationship'.

I keep the following sentence in Abstract and Conclusions.

More than 20% of genera and 40% of marine species loss correlate to more than 8 °C absolute global surface temperature anomalies.

I also keep the following sentence in 3.3.

The ETME correlated with 33% and 61% marine genera and species loss and 41% and 70% terrestrial tetrapod genera and species loss, respectively, and the KPME correlated with 37% and 65% marine genera and species loss and 39% and 67% terrestrial tetrapod genera and species loss, respectively (Figs. 3a, d).

Minor changes

Line 142: marking the end of the Paleozoic [not Mesozoic]! Done

Line 163: crises = crisis Done

Line 192: O-S; H-A - add to explanations in caption. I revised "O-S" in Figure 3 to end-O, which is the same as the other figures. In the caption, I added "H-A: Holocene–Anthropocene." in the caption.

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