

Interactive comment on “Holocene hydroclimate reconstruction based on pollen, XRF, and grain-size analysis and its implications for past societies of the Korean Peninsula” by Jinheum Park et al.

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Response to Editor Comment 1

Dear Editor,

We thank you very much for your insightful comments.

Regarding the issues of chronology and sedimentology, please refer to our responses to the reviewers uploaded above.

C1

We admit that they were poorly demonstrated in the original text (preprint) and tried to improve them by modifying/adding a significant amount of relevant descriptions.

Regarding the issue of quantitative climate reconstruction, we are sorry that it was not available due to scarcity of relevant base data in the Korean Peninsula.

We acknowledge that there are abundant datasets constructed in China. However, we did not use them because we could not guarantee their applicability to our pollen record acquired in the Korean Peninsula, which is a geographically different sub-region of East Asia.

Nevertheless, as your insightful comment, we agree that quantitative methods would greatly contribute to advances in paleoclimate studies and hope that they become widely available in the Korean Peninsula as well in the near future.

Please feel free to let us know anytime if there is any further point to be discussed or replied.

Sincerely Yours,

Jinheum Park (on behalf of authors)

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C2