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Alfred-Wegener-Institut, Telegrafenberg A45, 14473 Potsdam

Tot he
Editorial board of CP
c/o Denis-Didier Rousseau

Potsdam, 11. Januar 2024

Dr. Hanno Meyer

Stable Isotope Laboratory
Telegrafenberg A43
14473 Potsdam
Germany

Tel: +49-331-58174-5692
Fax: +49-331-58174-5999

email: hanno.meyer@awi.de

Manuscript CP-2022-99 by Meister et al.

Dear Denis and colleagues from the editorial board of CP,

I am really happy and grateful for the acceptance of the above mentioned manuscript!

With this letter you find the revised version of manuscript CP-2022-99 by Meister et al. If I understood the required revisions correctly, I just had to correct the two typos mentioned in the editorial decision letter to upload the manuscript again. This is done.

Moreover, I uploaded the pdf of the Appendix (also included in the main document), plain text (as pdf) and the figures (in Zip format) as separate files. Unfortunately, I do have to wait until the first author is able to provide the figures in a better resolution if this is required. This would likely be possible in early February only.

The 500-character summary is based on Marit-Solveigs public statement and follows here in Italic:

This paper presents the first comprehensive compilation of diatom oxygen isotope records in lake sediments ($\delta^{18}O_{BSi}$), supported by lake basin parameters. We infer the spatial and temporal coverage of $\delta^{18}O_{BSi}$ records and discuss common hemispheric trends on centennial and millennial time scales. Key results are common patterns for hydrologically open lakes in Northern Hemisphere extra-tropical regions during the Holocene corresponding to known climatic epochs, i.e. the Holocene Thermal Maximum.

We are thinking of the video abstract, but can provide details during the production process only. Moreover, I would like to make visible

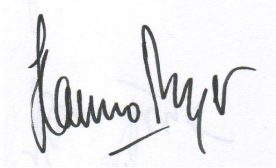
Alfred-Wegener-Institut
Helmholtz-Zentrum für
Polar- und Meeresforschung

POTSDAM

Telegrafenberg A45
14473 Potsdam
Telefon 0331 58174-5100
Telefax 0331 58174-5999
www.awi.de

Stiftung des öffentlichen Rechts

Sitz der Stiftung:
Am Handelshafen 12
27570 Bremerhaven
Telefon 0471 4831-0
Telefax 0471 4831-1149
www.awi.de

Vorsitzender des Kuratoriums:
MinDir Stefan Müller

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that Philip Meister and myself equally contributed to the manuscript. Please do not hesitate to contact me, if further information is needed from my side.

Mit freundlichen Grüßen,

Dr. Hanno Meyer
Alfred-Wegener-Institut
Potsdam

HELMHOLTZ