

The Cryosphere Discuss., author comment AC2  
<https://doi.org/10.5194/tc-2022-79-AC2>, 2022  
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## Reply on RC2

Jan Nitzbon et al.

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Author comment on "Brief communication: Unravelling the composition and microstructure of a permafrost core using X-ray computed tomography" by Jan Nitzbon et al., The Cryosphere Discuss., <https://doi.org/10.5194/tc-2022-79-AC2>, 2022

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Dear Philip Pika,

We thank you for taking the time to review our manuscript and for the overall positive evaluation. We are happy about your appreciation of the importance of our study and are thankful for your further suggestions on how to improve it.

Regarding your numerous comments on the use of British vs American English, we would like to note that we decided to use British English with Oxford spelling (i.e. -ize instead of -ise) and indicated this during manuscript submission with Copernicus. Otherwise, we thank you for pointing out instances of using AE and will replace these with BE in the revised manuscript text.

In the attached document, we respond to the major comments which require more explanation or justification.

We are confident that our revised manuscript will considerably be improved by considering your suggestions and are looking forward to its potential publication in TC.

Kind regards,

Jan Nitzbon (on behalf of all co-authors)

Please also note the supplement to this comment:

<https://tc.copernicus.org/preprints/tc-2022-79/tc-2022-79-AC2-supplement.pdf>