

Interactive comment on “1200 years of warm-season temperature variability in central Fennoscandia inferred from tree-ring density” by P. Zhang et al.

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Dear V.V. Matskovsky,

Thank you very much for your attention and your comments on our manuscript!

We compared our new reconstruction (Cscan) with the new Northern Fennoscandia reconstruction (Matskovsky and Helama, 2014) which unites the two longest MXD datasets from Northern Fennoscandia (Nscan and Toneträsk). As shown in Fig. 1, the new Fennoscandia reconstruction shows temperature differences with Cscan during both of 900-1100 and 1600-1900 CE as we also can see from the comparison with Nscan, but the difference during 1600-1900 CE was alleviated by adding the

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samples from Toneträsk.

Comparing with Nscan, the new Northern Fennoscandia reconstruction based on both Nscan data and Toneträsk data shows differences during 16th – 19th century, but does not show obvious differences at multi-decadal to century timescales (Fig. 2).

In our manuscript, we compared Cscan with both Nscan and Toneträsk individually, because the two reconstructions show differences in variability at multi-timescales. Although they are close to each other geographically, there could be some climate implication behind the discrepancy. In order to compare our new reconstruction with the northern Scandinavia temperature without losing any information, we did the comparison individually. However, we will consider adding the results of the comparison with the new northern Fennoscandia reconstruction to the final version of the paper.

Best regards, Peng Zhang and Hans Linderholm on behalf of all authors

Interactive comment on Clim. Past Discuss., 11, 489, 2015.

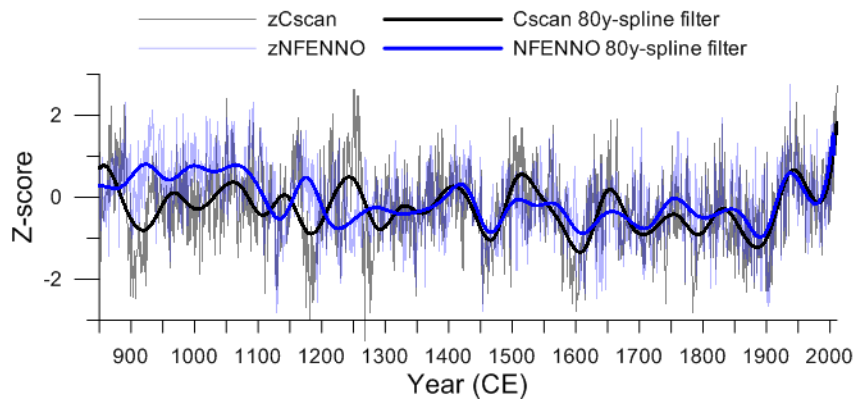


Fig. 1.

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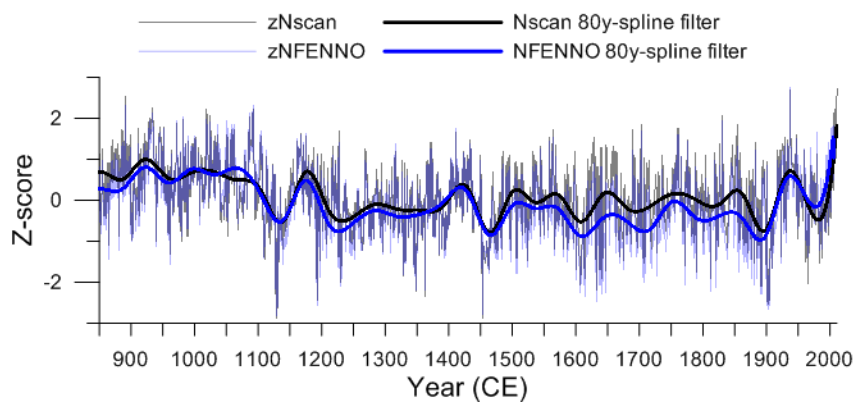


Fig. 2.

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