

***Interactive comment on “Simulating the temperature and precipitation signal in an Alpine ice core” by S. Brönnimann et al.***

**S. Brönnimann et al.**

stefan.broennimann@giub.unibe.ch

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Dear Editor

Many thanks for your comments. The revised manuscript will profit from the review and will incorporate the most recent literature. Concerning the paper by Mariani et al., we will better integrate the findings, which are important for our paper, while the two papers have a different focus. The model description part will be expanded, mainly by clarifying which processes are not taken into account and which assumptions are made. Furthermore, the model will be applied to the entire ERA-Interim data set.

Stefan Brönnimann

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