

***Interactive comment on “Cryogenic cave carbonate – a new tool for estimation of the Last Glacial permafrost depth of the Central Europe” by K. Žák et al.***

**S. Frisia (Editor)**

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The Editor agrees with the two Reviewers: this paper presents relevant information on a new archive, thus improving the existing pool of palaeoclimate proxies. In particular, it presents a relevant tool to investigate the depth of permafrost during the Last Glacial.

The Reviewers stressed an important issue, which I believe must be addressed in the revision: the core of the manuscript is the detailed description of the growth of calcite in frozen pools. By contrast, the palaeoclimate inferences are given less relevance. Thus, as suggested by both Bini and the anonymous Referee, the Authors should incorporate in the title and in the abstract the concept of crystallization of carbonates in

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frozen cave settings. Anonymous Referee suggests to provide more robustness to the palaeoclimate interpretation by cross referencing to relevant, recent literature and has provided a list of references which should be considered in the revised manuscript.

Overall, the manuscript was very well received, and I am happy to recommend publication after minor revision.

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Interactive comment on Clim. Past Discuss., 8, 2145, 2012.