CLIMATE TRANSITIONS DURING THE LATE GLACIAL AND THE EARLY HOLOCENE RECONSTRUCTED FROM MORAINE RECORDS IN THE AUSTRIAN ALPS

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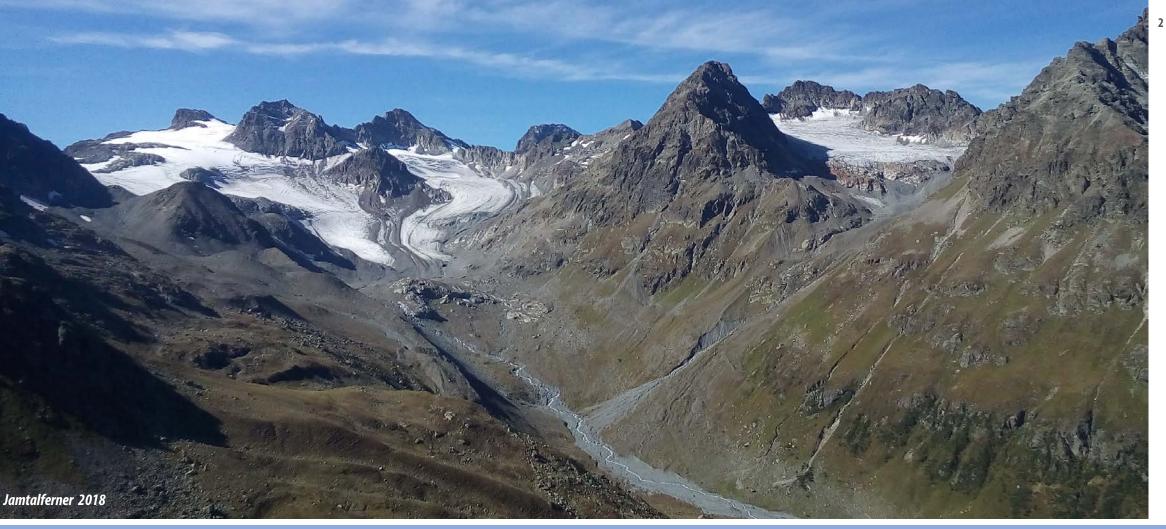






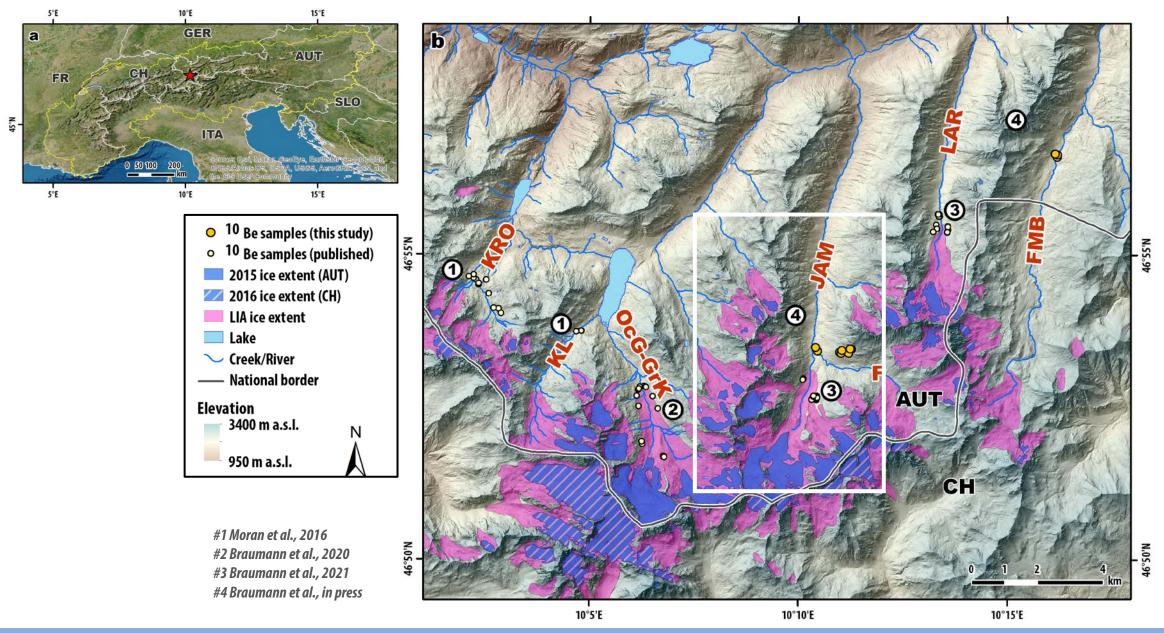
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INTRODUCTION AND BACKGROUND









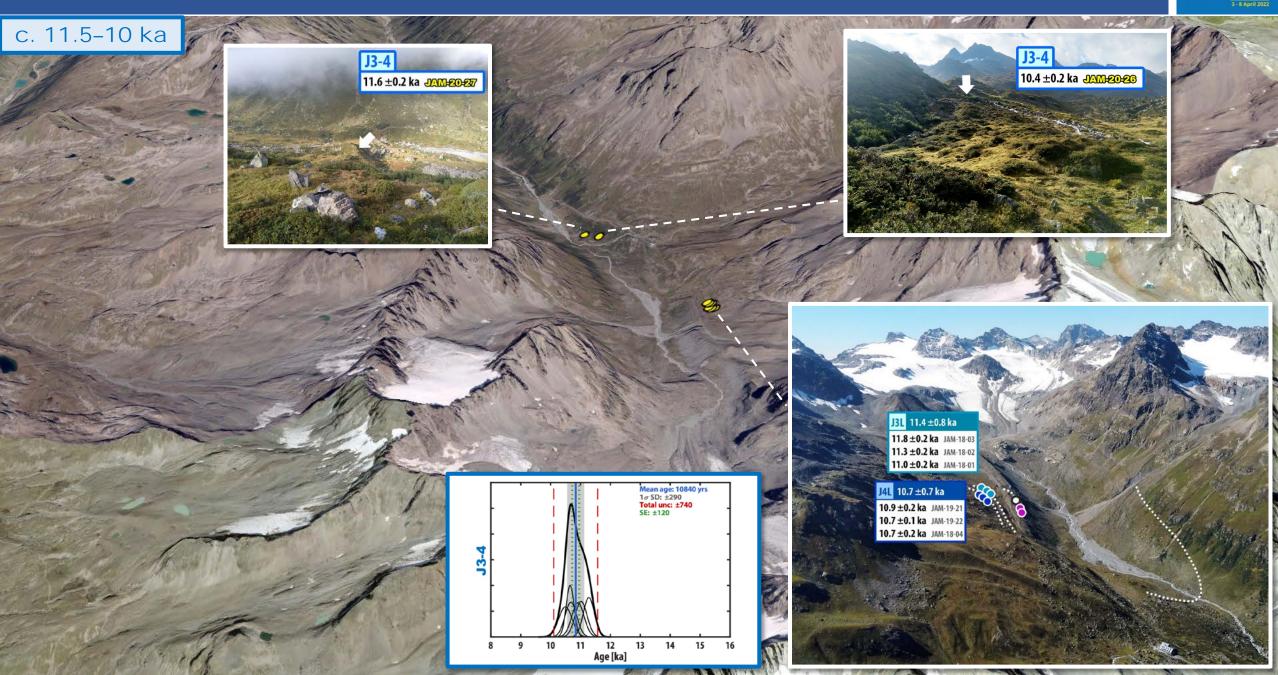




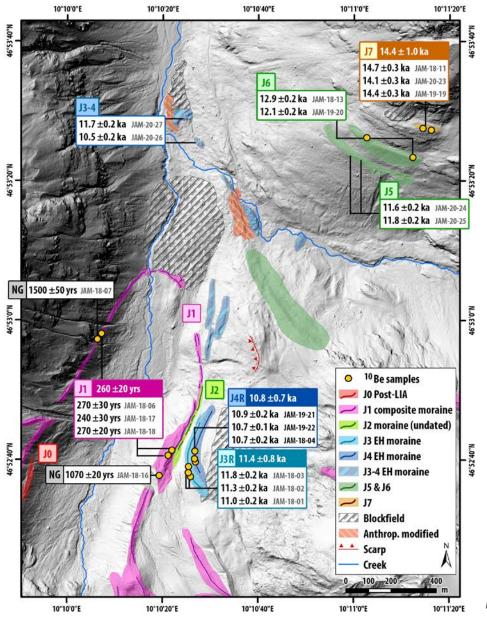












GLACIER RECONSTRUCTIONS



CLIMATIC CONTEXT

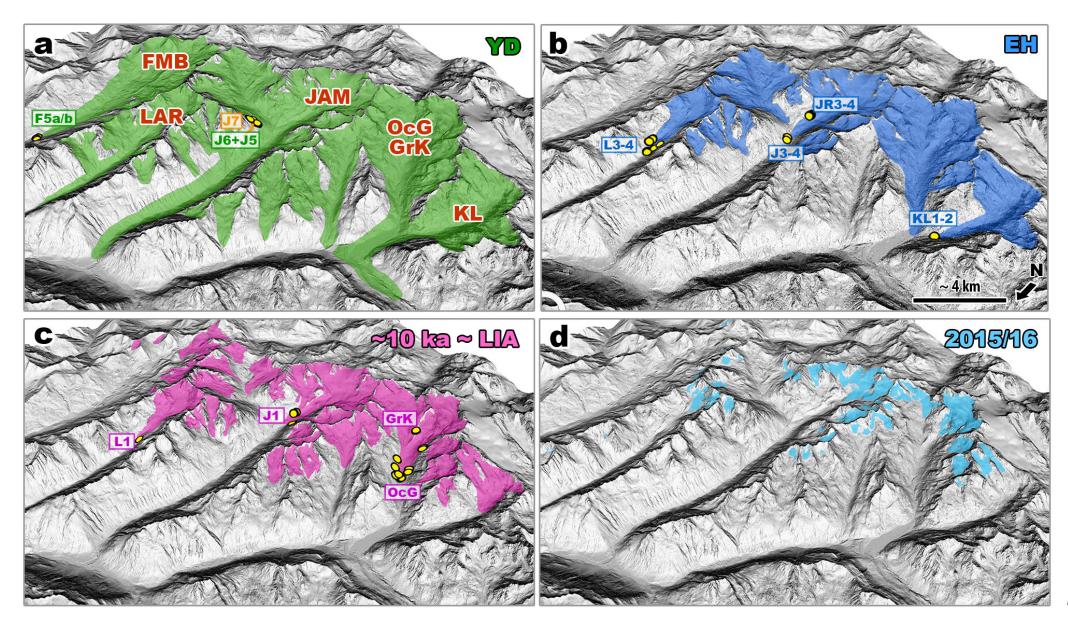
- **Glaciers halted repeatedly during** general post-LGM deglaciation
- Cold snaps that interrupted general warming trend

- Glaciers remained outboard the YD ice margin until around 15-14 ka
- **Generally cooler temperatures prior to** Bølling warming, or feedback during **Bølling warming**
- Glaciers readvanced/stabilized at the beginning of the YD, followed by retreat through the YD
- **YD** cooling increasingly milder climate conditions towards the end of the YD

- **Early Holocene glacier stabilization** 11.0 ±0.8 ka and 9.9 ±0.7 ka
- **Cold spells during the Early Holocene** (Preboreal Osciallation) due to changes in the Atlantic Meridional Overturning **Circulation?**

Braumann et al., in press





Braumann et al., in press



THANK YOU!

QUESTIONS?

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