



*Supplement of*

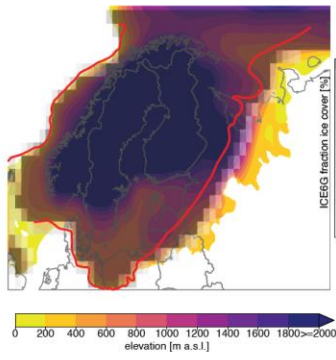
**CHELSA-TraCE21k – high-resolution (1 km) downscaled  
transient temperature and precipitation data since  
the Last Glacial Maximum**

**Dirk Nikolaus Karger et al.**

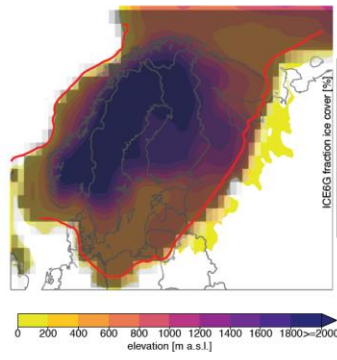
*Correspondence to:* Dirk Nikolaus Karger ([dirk.karger@wsl.ch](mailto:dirk.karger@wsl.ch))

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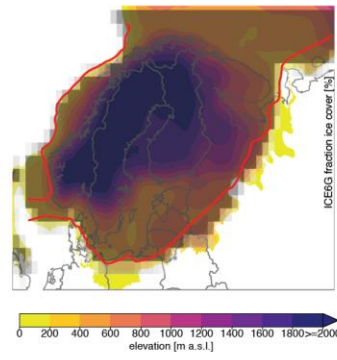
22 ka BP



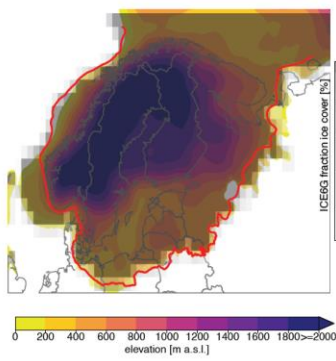
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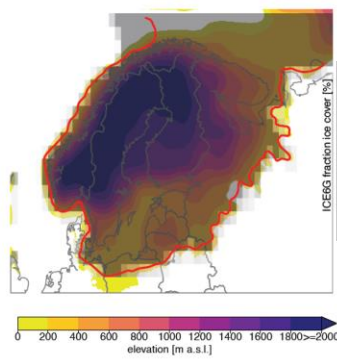
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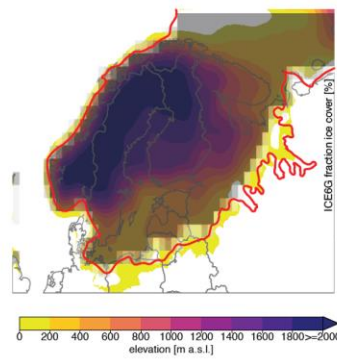
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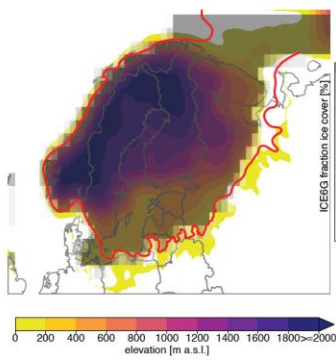
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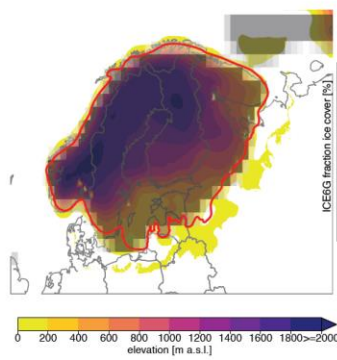
17 ka BP



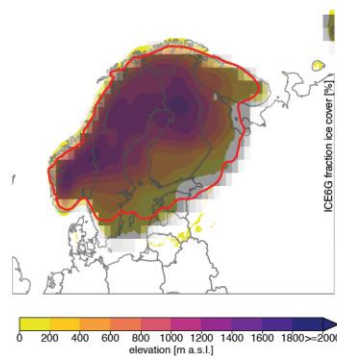
16 ka BP

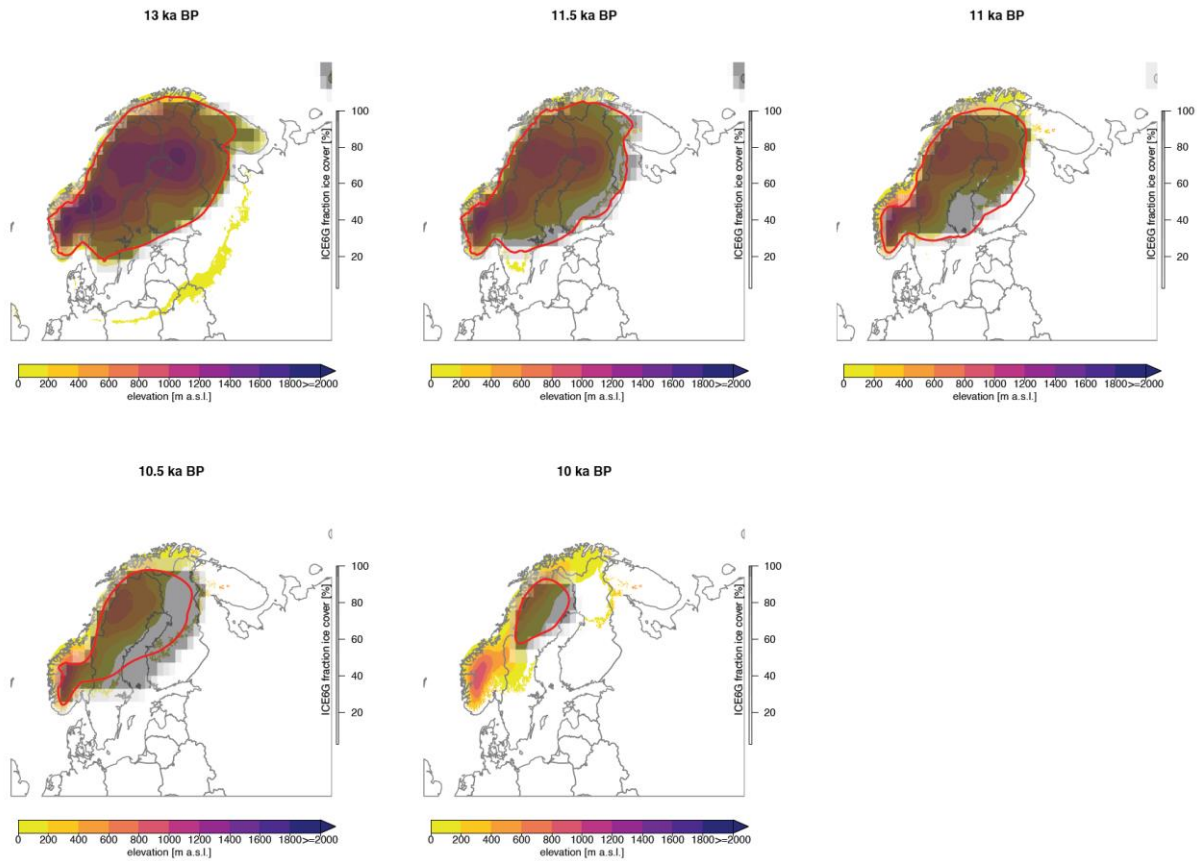


15 ka BP



14 ka BP





**Figure S1.** Comparisons of interpolated glacier elevation of the Fennoscandian ice sheet from 22k BP to 10k BP from CHLSA-TraCE21k, with the estimated extent of the glacier from (Stroeven et al., 2016) (red line). Grey shading shows the fraction of ice cover from ICE6G (Peltier et al., 2015) that formed the basis of the interpolation in CHLSA-TraCE21k.