

Oxygen isotopes (of atmospheric oxygen)

Ice from the bottom of the Greenland ice sheet is difficult to date as it is often disconnected from the continuous climate record above. However, it would be very important to know where Greenland was glaciated in earlier warm periods to get better projections into the future (e.g. Figure 0.1).

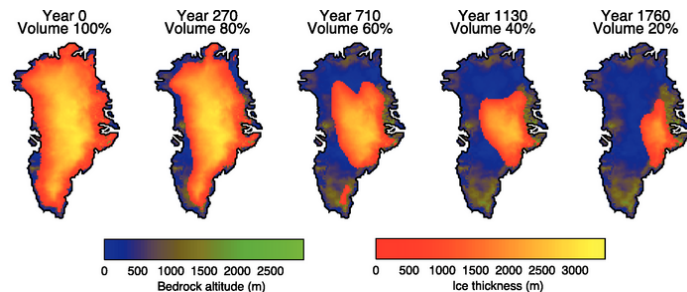


Figure 0.1 IPCC2013

The changes in the oxygen isotopes of O_2 can be used to date Greenland ice core sections by matching them to their well dated Antarctic counterparts.

http://www.iceandclimate.nbi.ku.dk/about_centre/history/

The project focuses on measurements of the deep sections of ice cores in our archive and dating those sections. The focus will be on the historic Camp Century core

(http://www.iceandclimate.nbi.ku.dk/about_centre/history/). The project is **available immediately**.

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