



SKD
CENTRE FOR
CLIMATE DYNAMICS
AT THE BJERKNES CENTRE

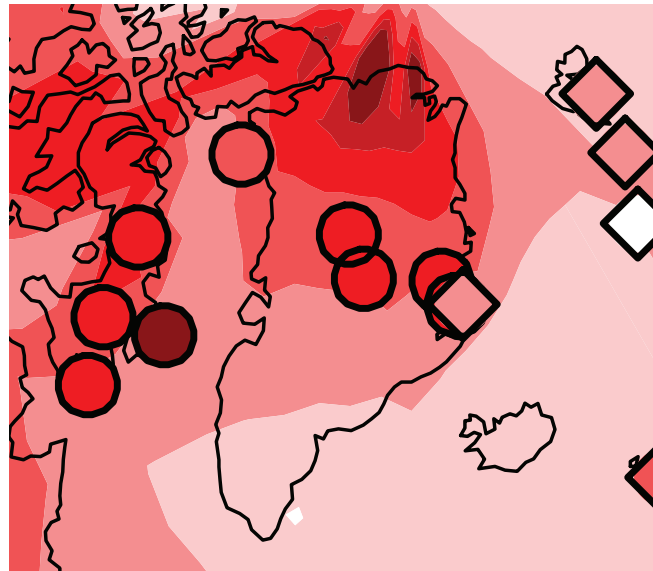
Melting of Northern Greenland during the last interglacial

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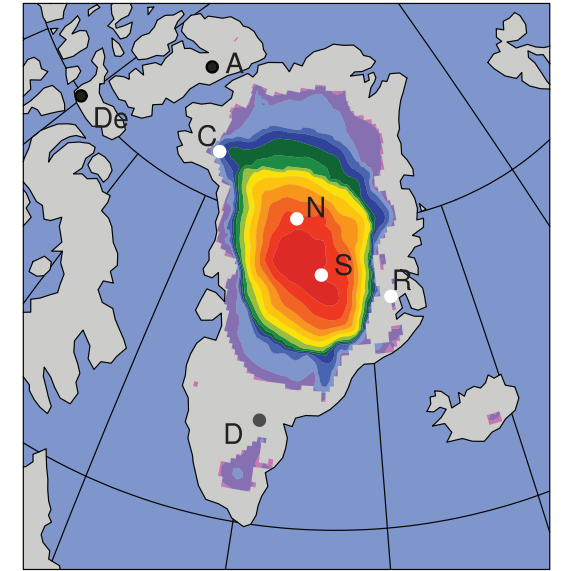
ANDREAS BORN
CLIMATE AND ENVIRONMENTAL PHYSICS,
UNIVERSITY OF BERN, SWITZERLAND

New approach to simulate past Greenland ice sheet

IPCC 2007
(Otto-Bliesner et al.,
Science, 2006)

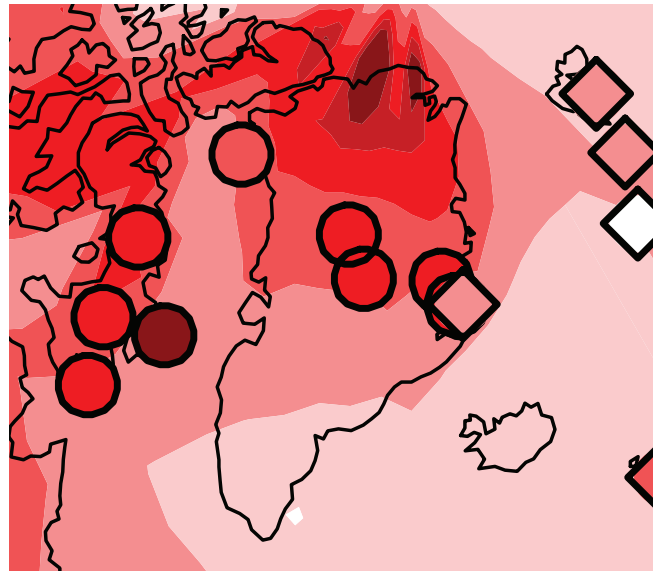


Scaled modern
precipitation
and temperature
as forcing

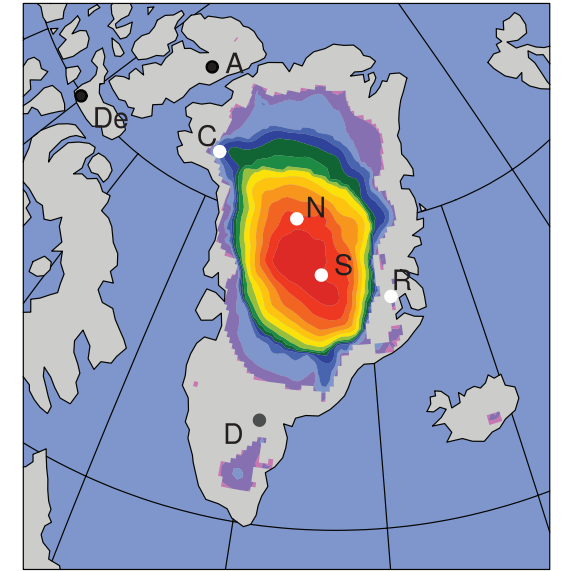


New approach to simulate past Greenland ice sheet

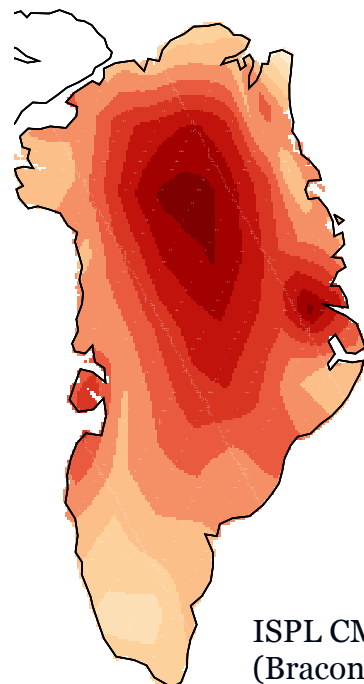
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Scaled modern
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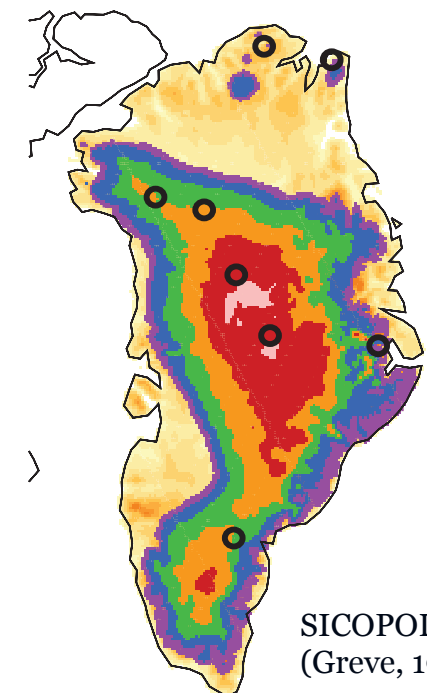


This study
 (Born and Nisancioglu,
 Climate of the Past, 2012)



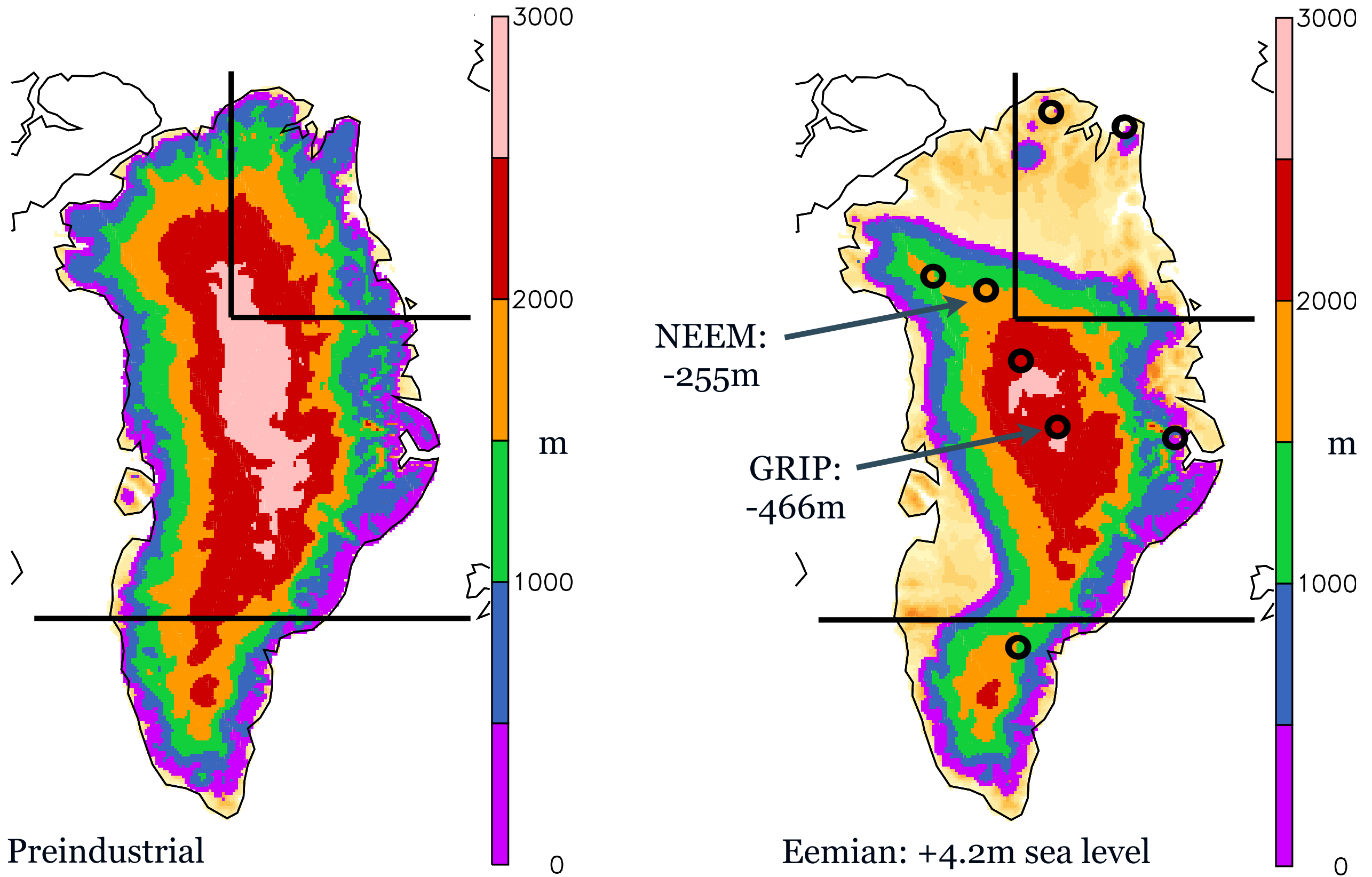
ISPL CM4 - JJA SAT
 (Braconnot et al., 2008)

Simulated Eemian
 precipitation and
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 as forcing

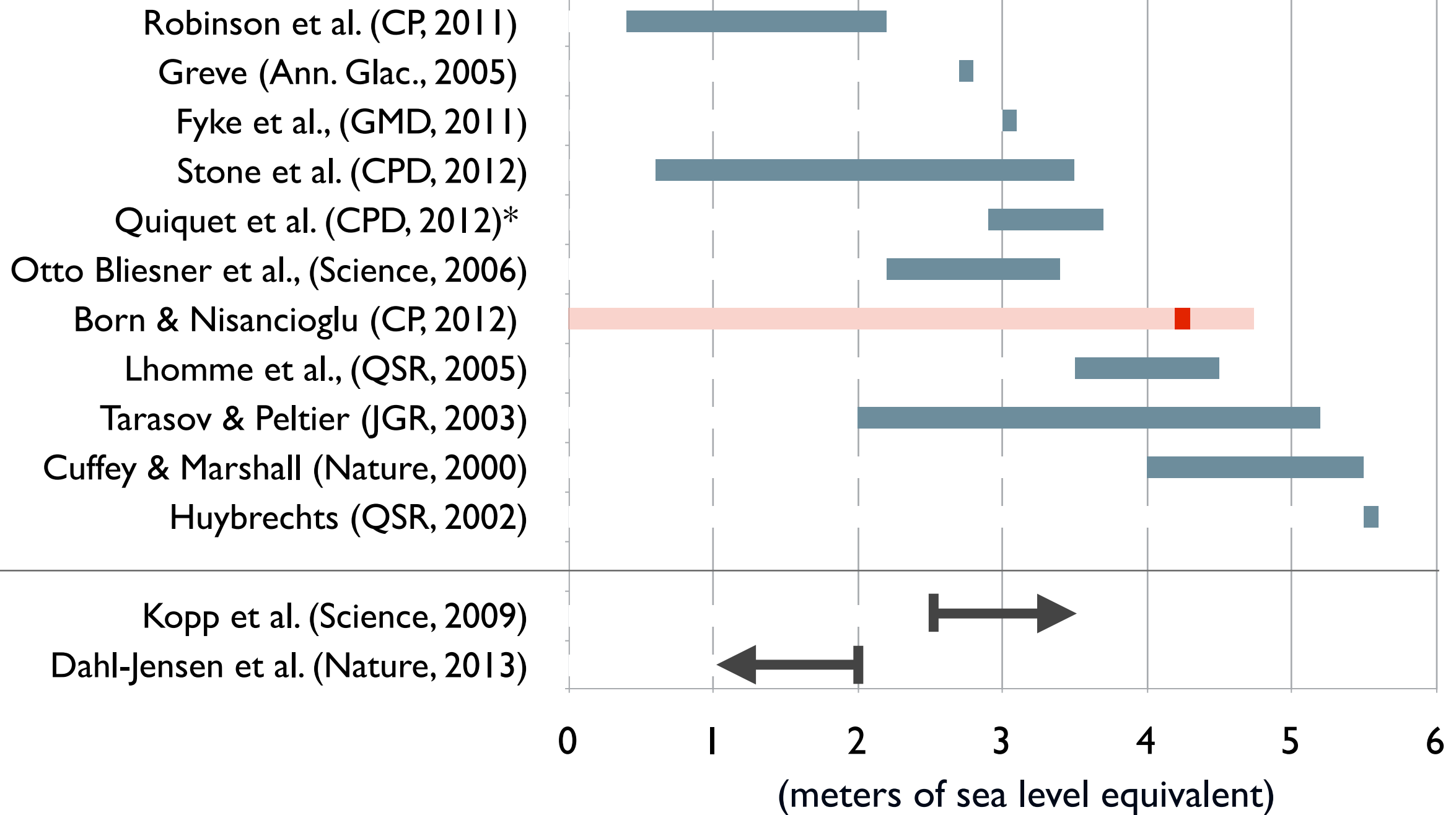


SICOPOLIS - ice thickness
 (Greve, 1997)

Surface height changes



Contributions from Greenland to sea level



ACDC “Ice-Ocean Interactions”, West Greenland, August 2014

- Advanced Climate Dynamic Courses



<http://www.bccr.no/acdc/>