



Ice-ocean interactions and the stability of the Greenland ice sheet

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Bjerknes Center 2021: 4 partners - 260 scientists - 36 nations



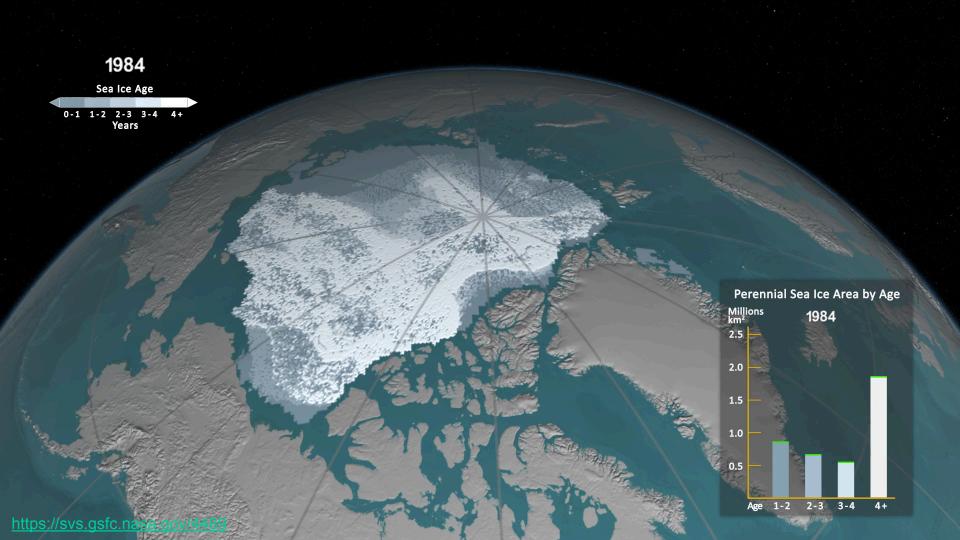


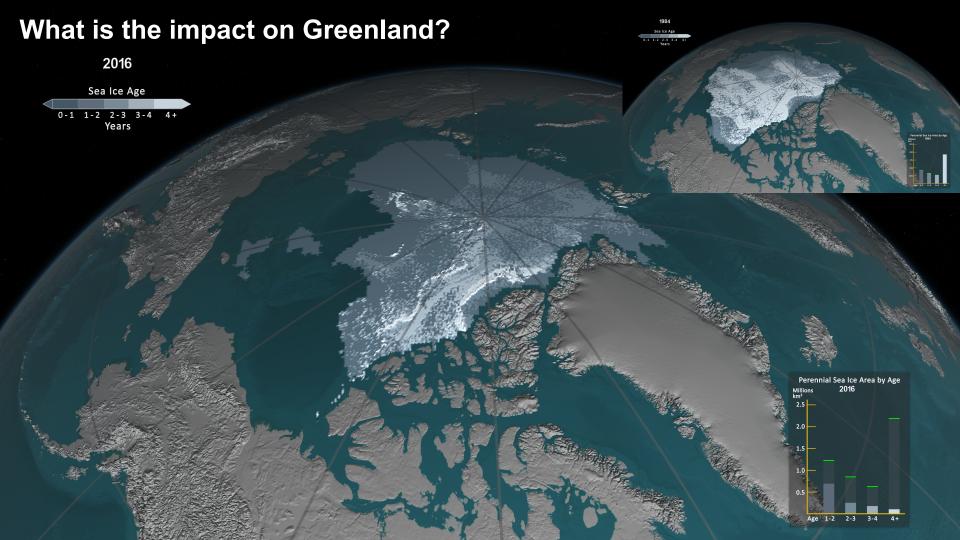












Greenland July 2012



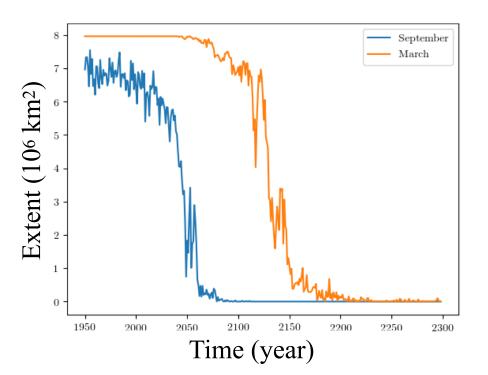
Greenland July 2012





Simulated Future: Arctic sea ice





- "Business as Usual" emission scenario (RCP8.5)
- Coupled ice-ocean-atmosphere model (including Greenland Ice sheet)
- > Arctic summer sea ice gone by 2050

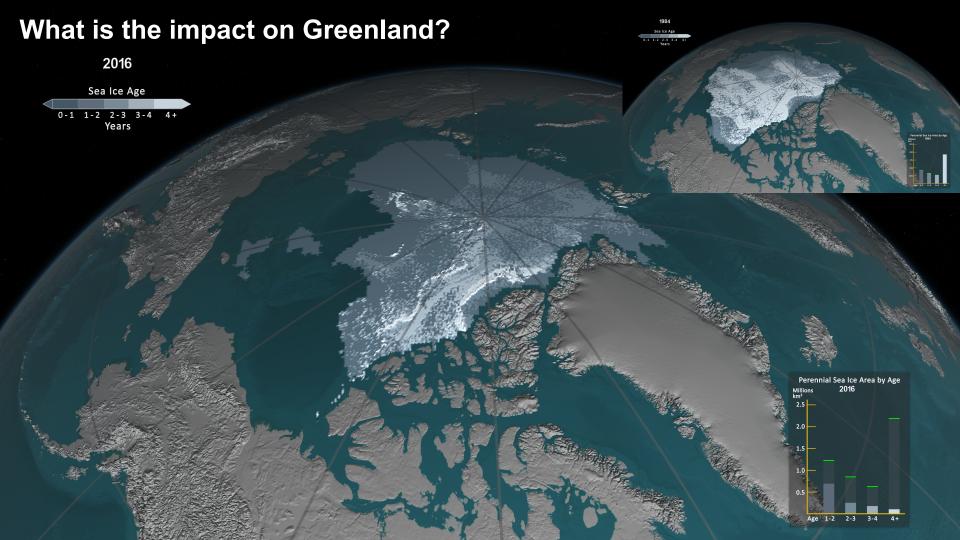




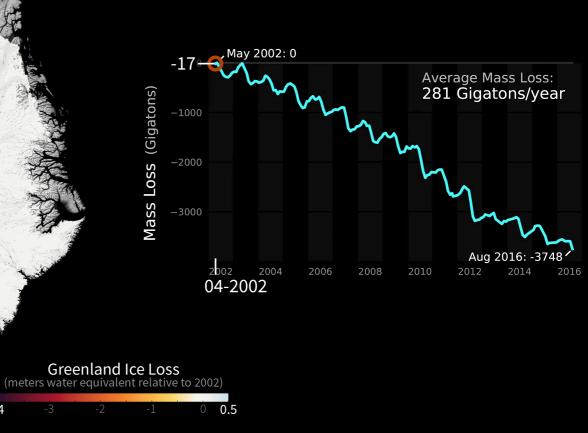




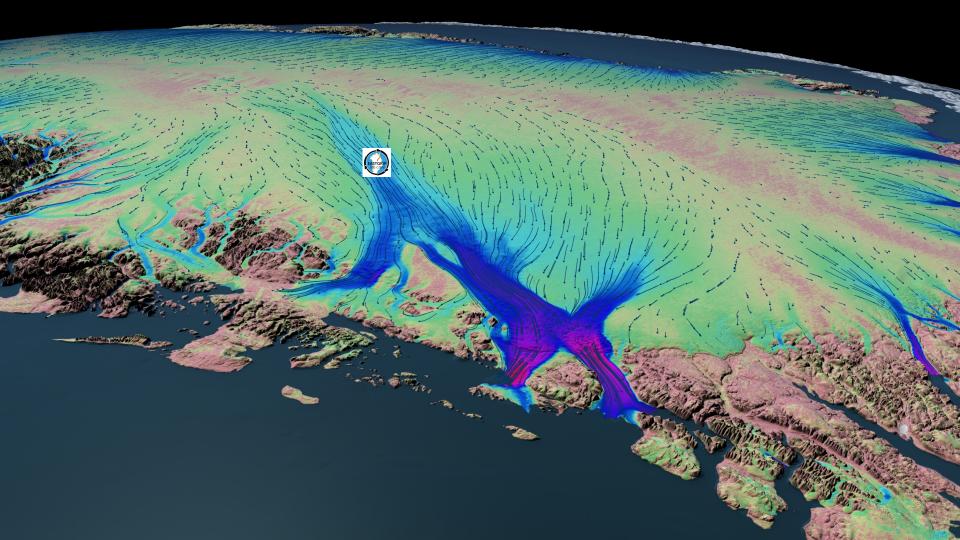




GRACE Observations of Greenland Ice Mass Changes

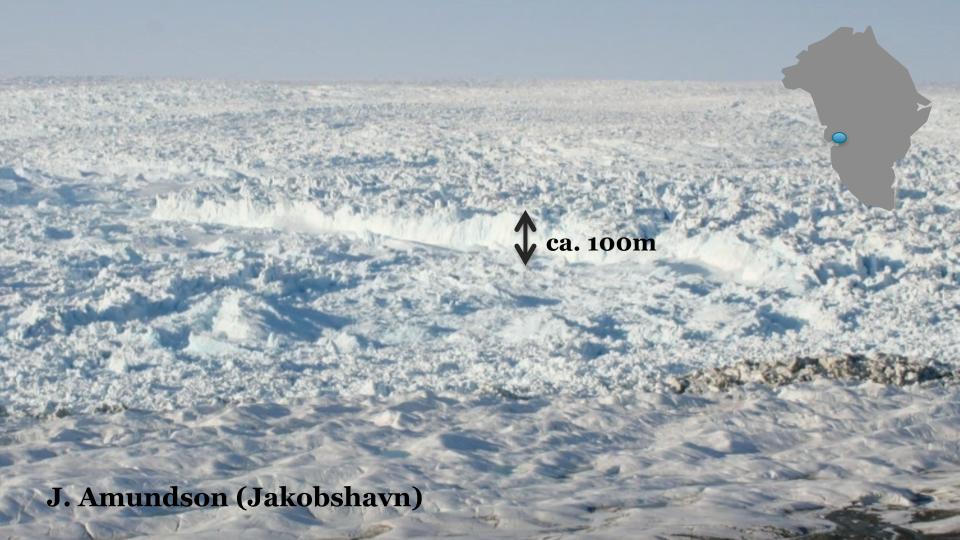




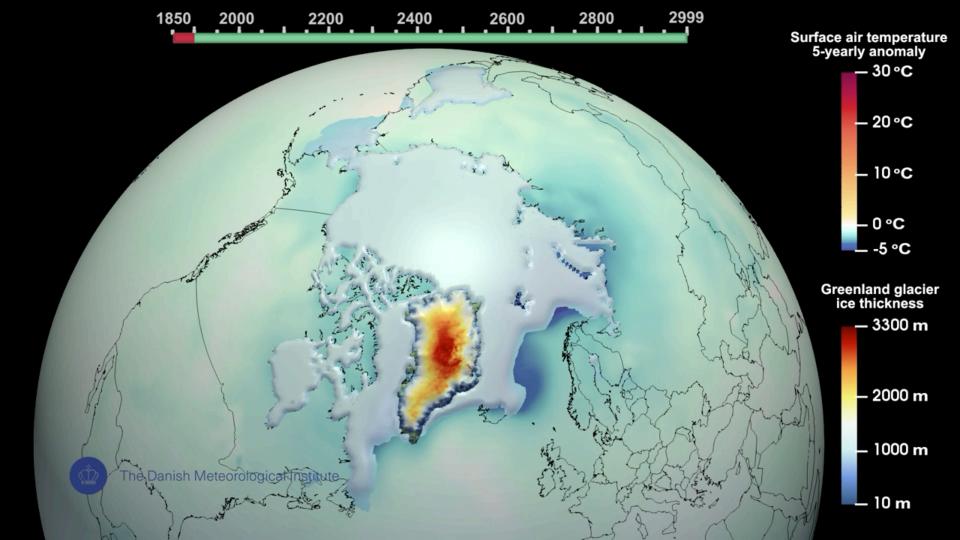














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