

Geowissenschaftliches Kolloquium

Why Greenland melts: a Geo-Bio perspective

Donnerstag, 23. November 2017 - 16.15 Uhr

Liane G. Benning

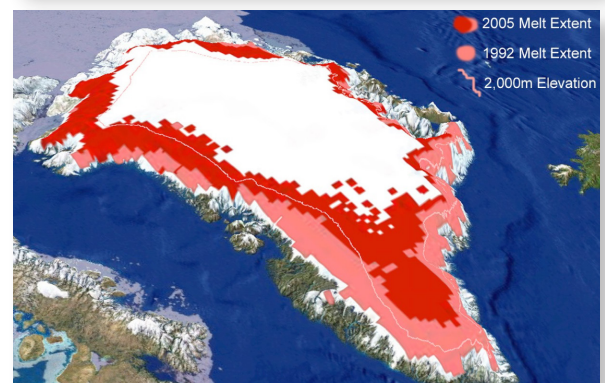
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Why the Greenland Ice Sheet is increasingly melting and how this affects sea-level rise or biogeochemical cycles in the Atlantic are poorly understood. The changes in ice mass balance are linked to albedo, an important feedback to global temperature. Changes in albedo, the response to ice surface darkening, are controlled by variations in snow/ice properties, the presence of anthropogenic black carbon or mineral dust, but also melt related fast changing, yet less well quantified microbial processes.



Prof. Dr. Benning received her PhD from ETH, Zurich. She lived for ~17 years in the UK and recently moved to the GFZ / FU. Her main interests are (a) mechanisms and kinetics of mineral formation and how these affect element cycles in Earth surface environments and (b) the role, effects, reservation and adaptations of microbial life in extreme environments.

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