

DR. JAKOB ABERMANN (GRAZ)

# The Cryosphere of Greenland's Periphery in a Changing Climate

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**#Greenland #Cryosphere #Climate Change #long-term monitoring**

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The cryosphere in Greenland covers multiple components such as mountain glaciers, snow, lake ice, permafrost and – by far the largest one – the Greenland Ice Sheet. While research on the latter is abundant, much less focus is given on other components. In this presentation the speaker will present an overview of Greenland's cryosphere across its margin and discuss distribution, changes and spatio-temporal gradients on a centennial scale. Some results of recent research projects that are based on carefully collected field data across disciplines are presented and a contextualization with ecosystem impacts is attempted. The presentation concludes with an outlook of research that could build upon the presented body of work.

**Jakob Abermann** has been Assistant Professor at the Department of Geography and Regional Science since 2018. His background is meteorology and glaciology with a PhD from Innsbruck University on topics related to Austrian glaciers. After a Post-Doc at CEAZA in Chile where he focused on the microclimate of glaciers in the Dry Andes he spent 5 years at Asiaq in Nuuk, Greenland. There he was responsible for projects studying climate, water, and ecosystem interaction. In Graz his focus has been on Mountain Hydrology and Glaciology, and he expanded on previous research projects in Greenland. With this presentation he summarizes a decade of his research and presents his habilitation thesis submitted earlier this year.

The talk will be streamed via this [Link](#).

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