

# SAFT

## SELSKAB FOR ARKTISK FORSKNING OG TEKNOLOGI

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Dansk Polarcenter 2 sal, Strandgade 102, 1401 København K

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### State and Fate of Permafrost in Northern Hemisphere

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The thawing of permafrost that already occurs at the southern limits of the permafrost zone can generate dramatic changes in ecosystems, in water and carbon cycles, and in infrastructure performance. If the current trends in climate change will continue into the future, there are no doubts that warming of permafrost will eventually trigger the widespread permafrost thawing. It is much more uncertain at what exact locations and areas permafrost will start to thaw first, what will be the rate of this thawing, and what exactly will be the consequences of this thawing for other components of the Arctic, sub-Arctic and Global Natural Systems. In this presentation we will address what is known about permafrost development in Eurasia during the last glacial-interglacial cycle, its present thermal state in Northern Hemisphere, and some projections of possible changes in permafrost during the current century. The possible consequences of permafrost degradation will also be discussed.



**Alle er velkomne!**

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Der serveres en let anretning efter foredraget for medlemmer af SAFT.

Tilmelding til spisning er nødvendig til:

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