

A Climatic Perspective on Observed Permatrost Changes

- 1: Quaternary climate and permafrost
 - 2: Holocene climate and permafrost
 - 3: Modern climate and permafrost

Modern permafrost distribution

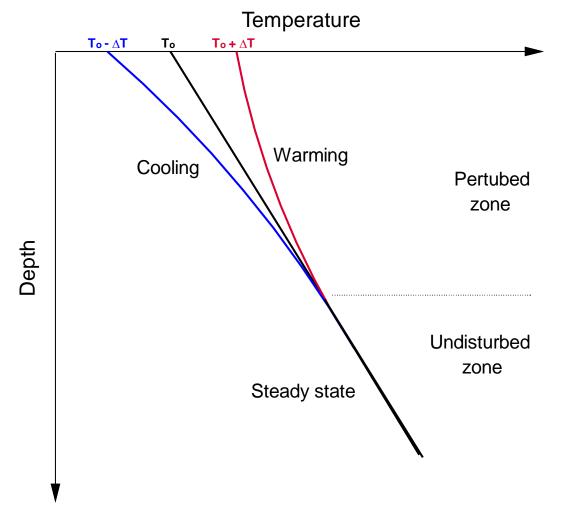
Northern Hemisphere permafrost:

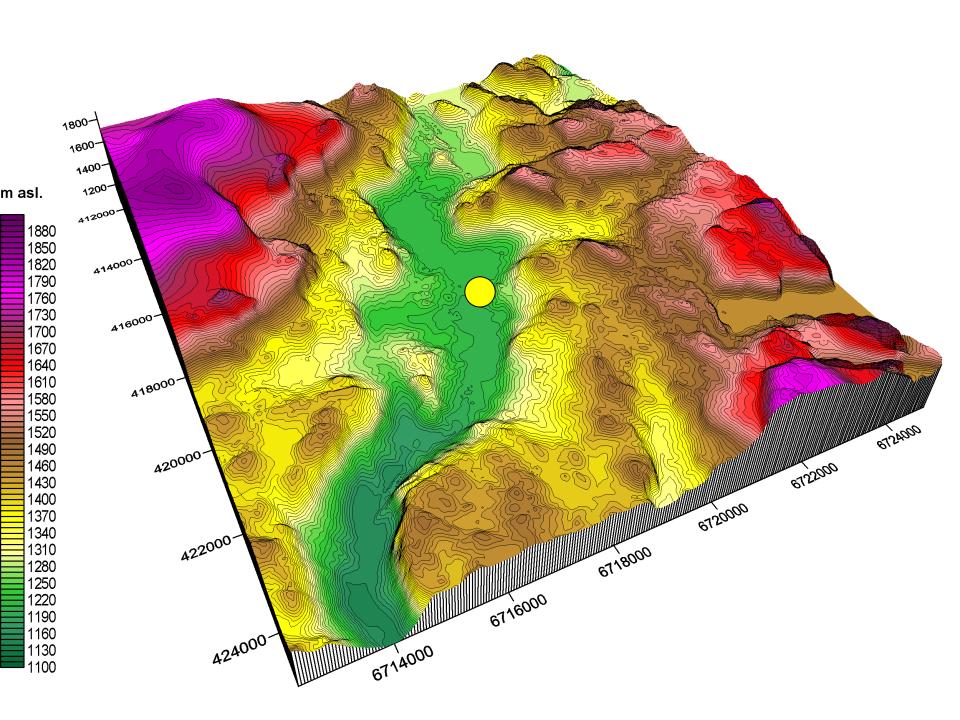
c. 24 % of the exposed land area

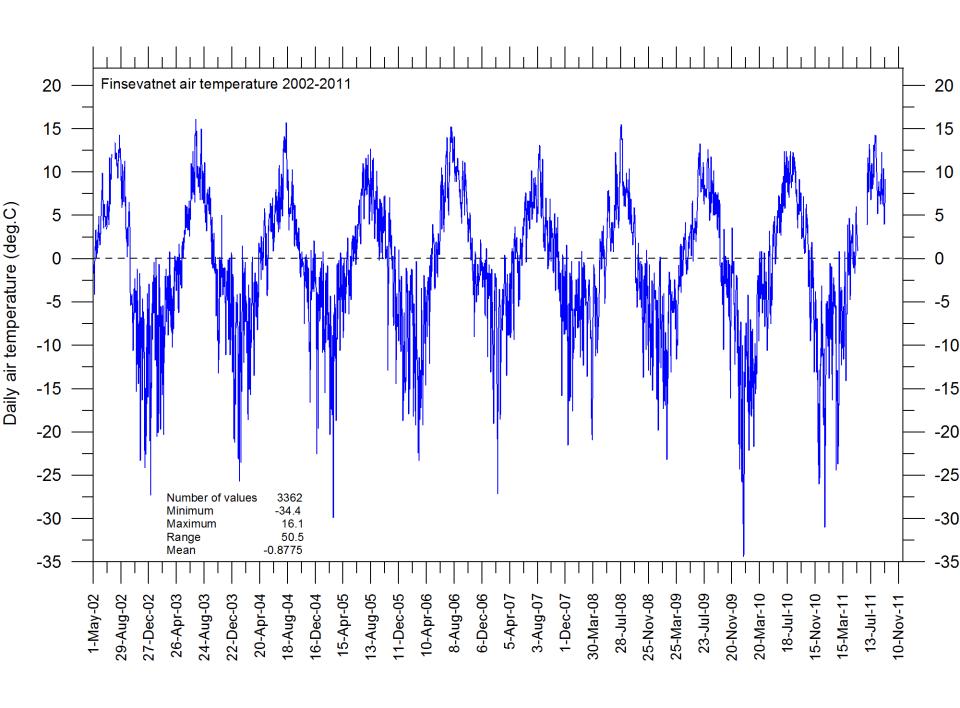


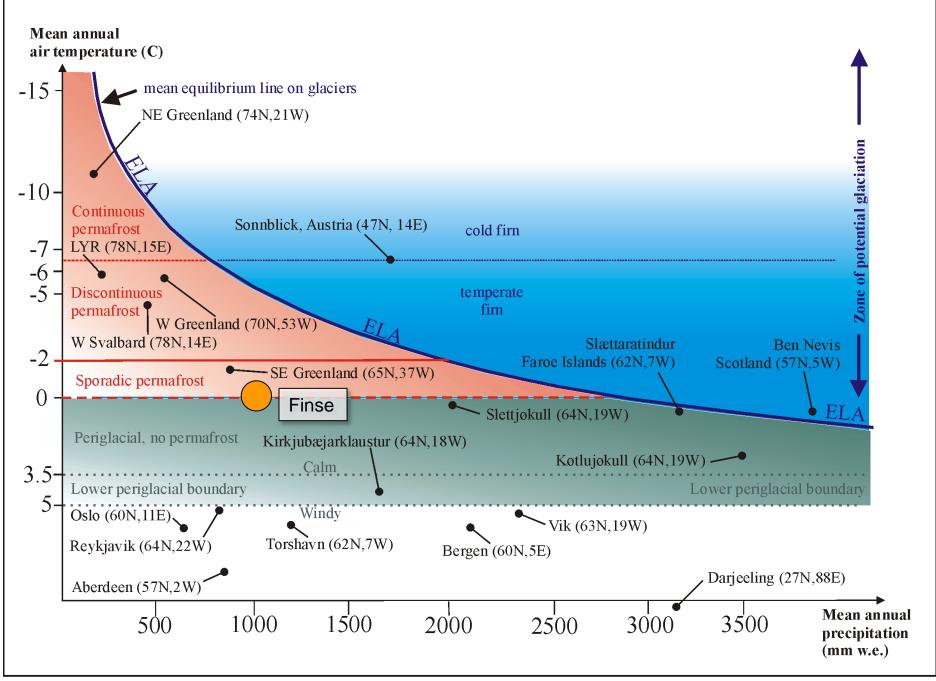
Permafrost and climate

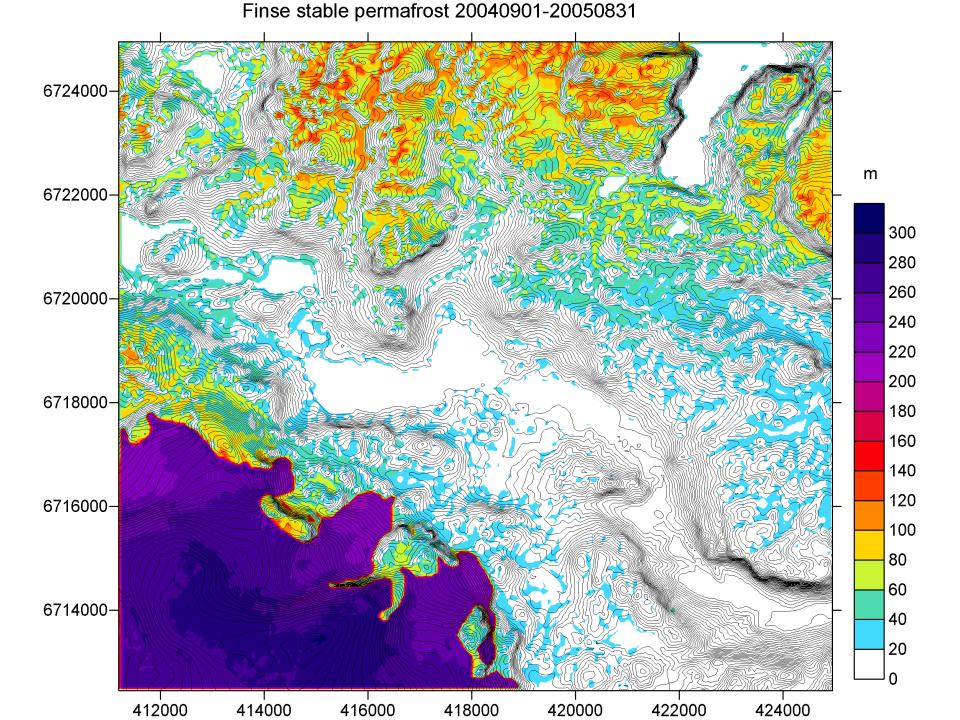
• Geothermic response to changes in surface temperature

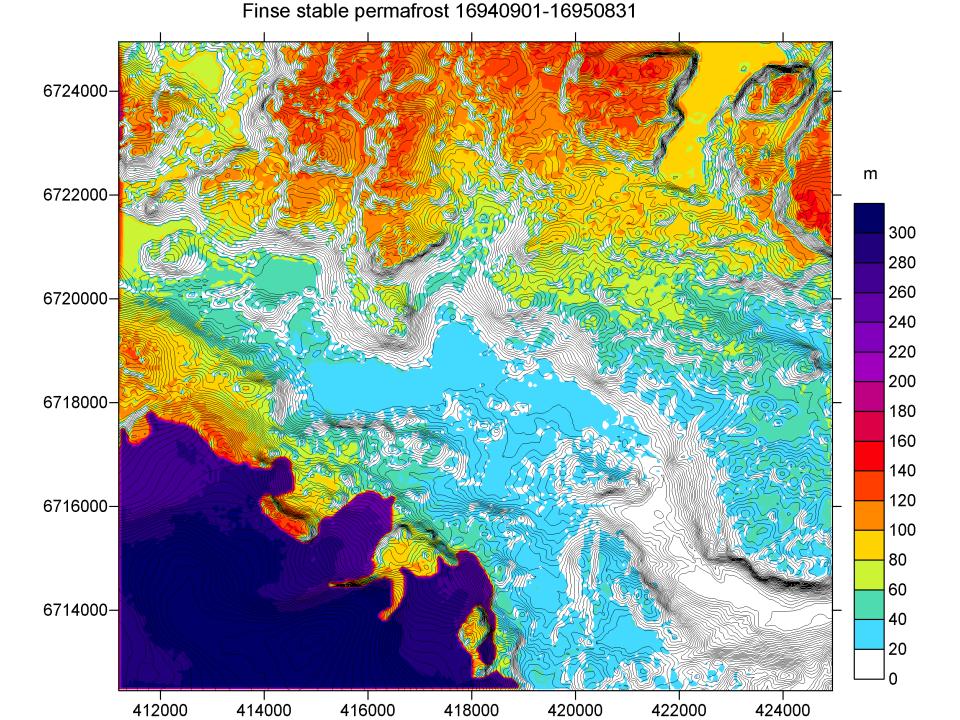


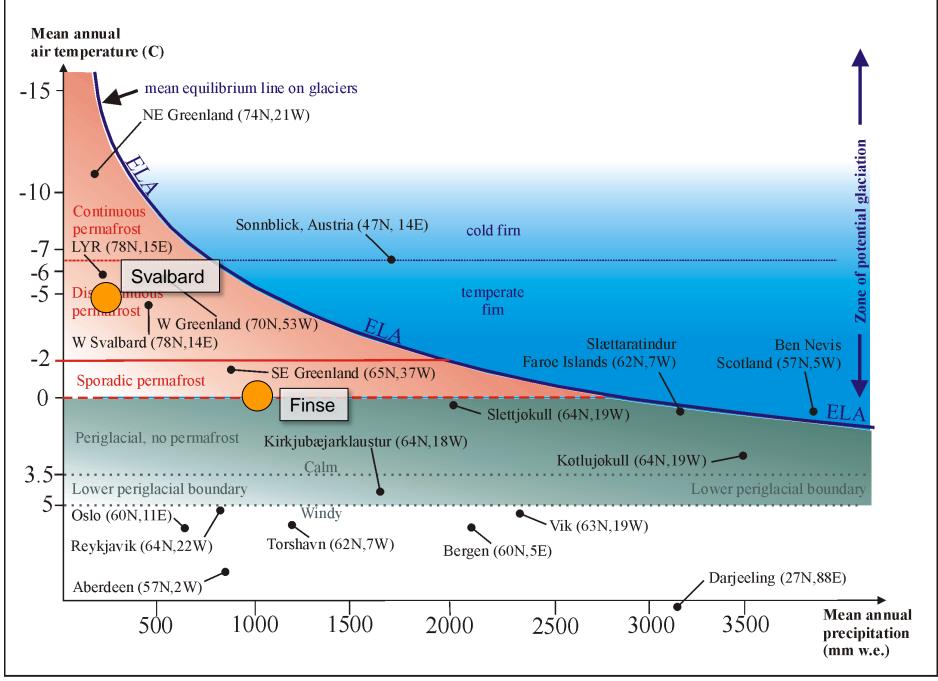














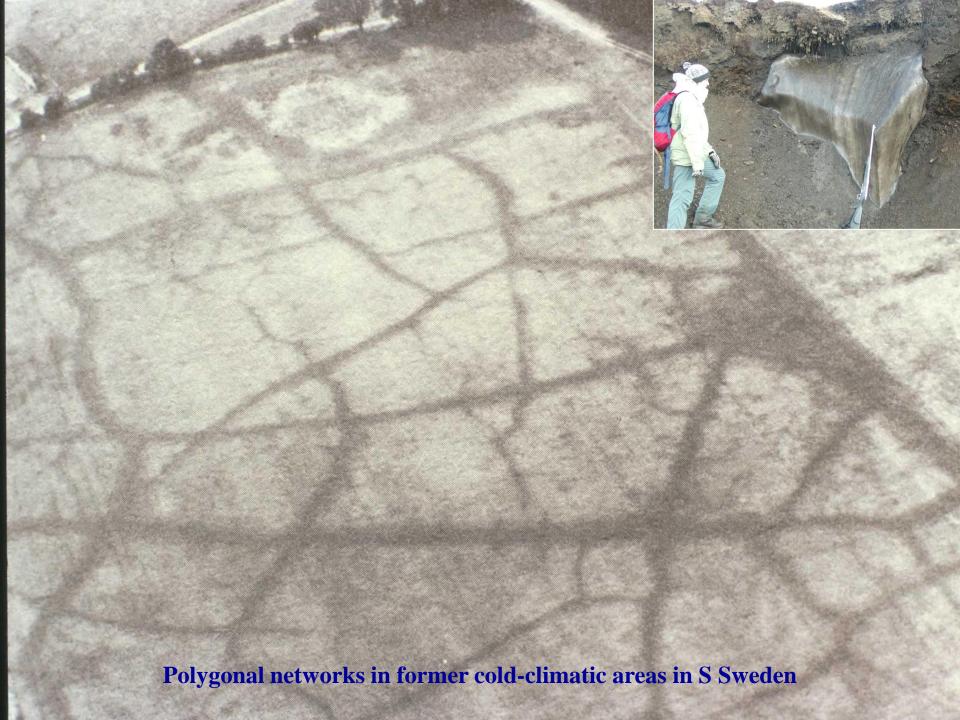


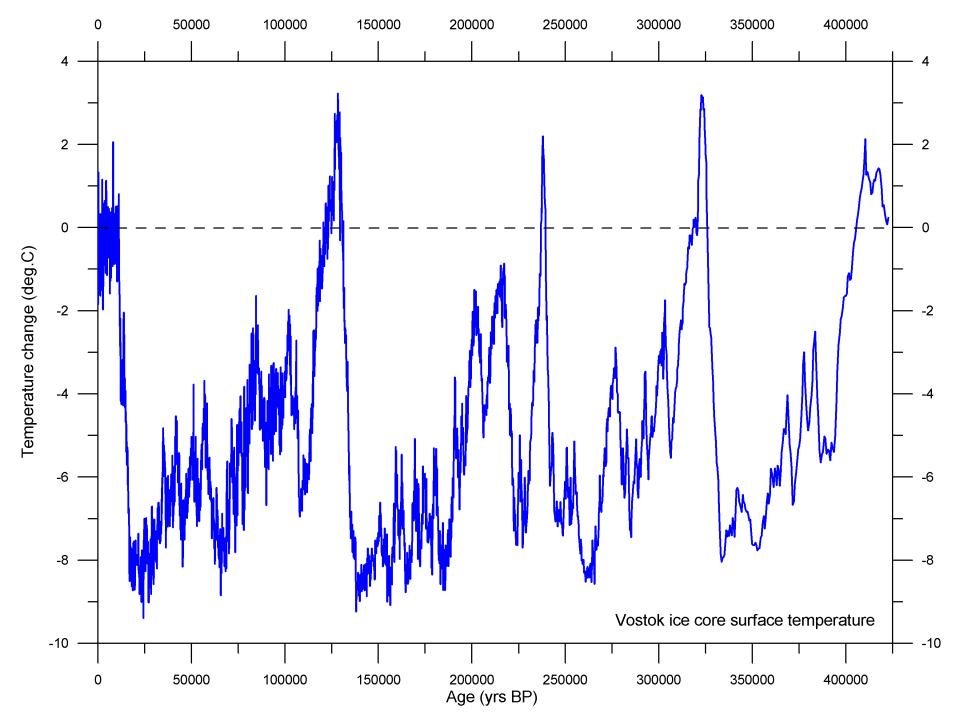


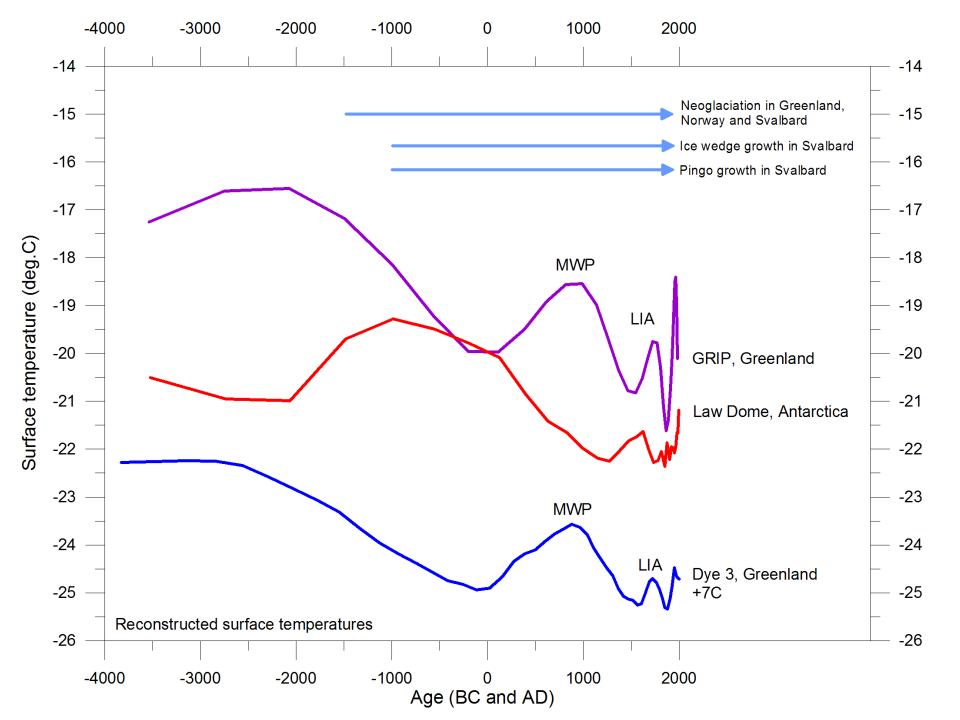




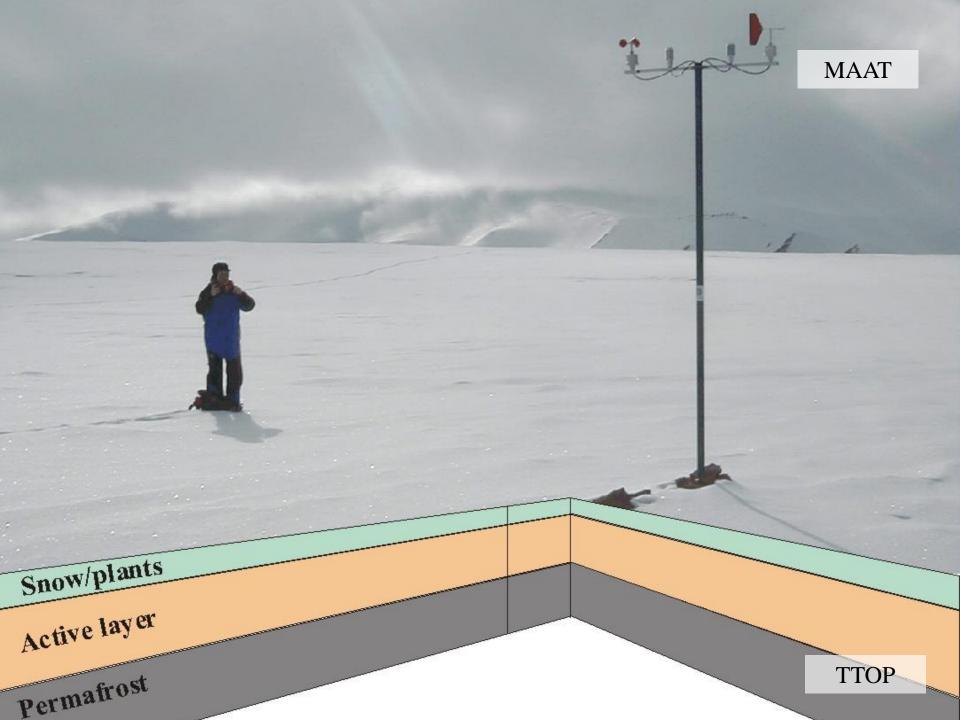


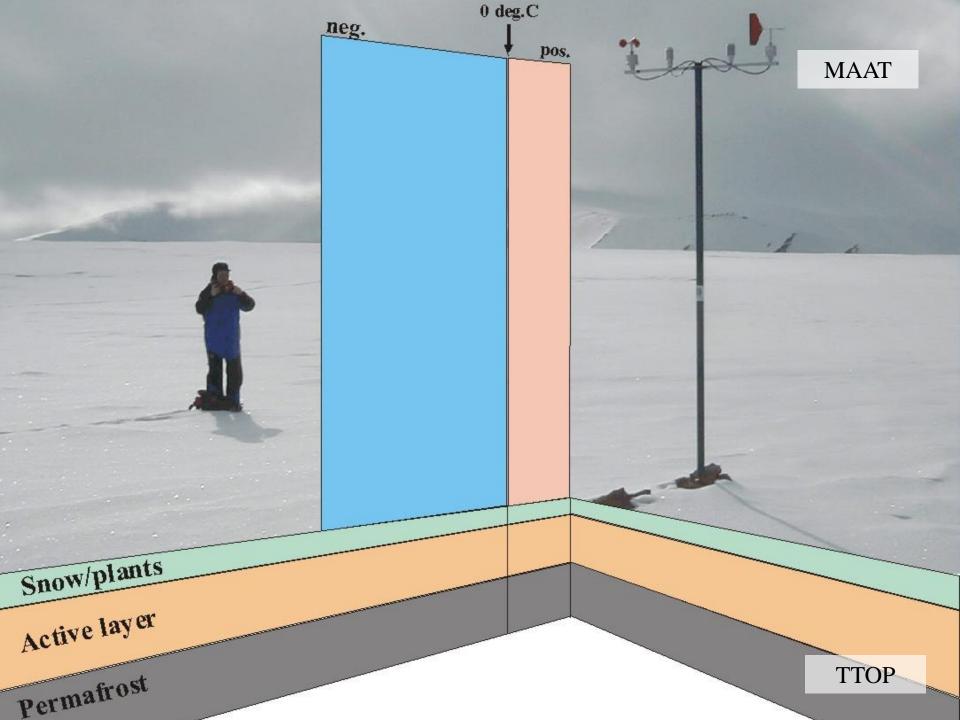


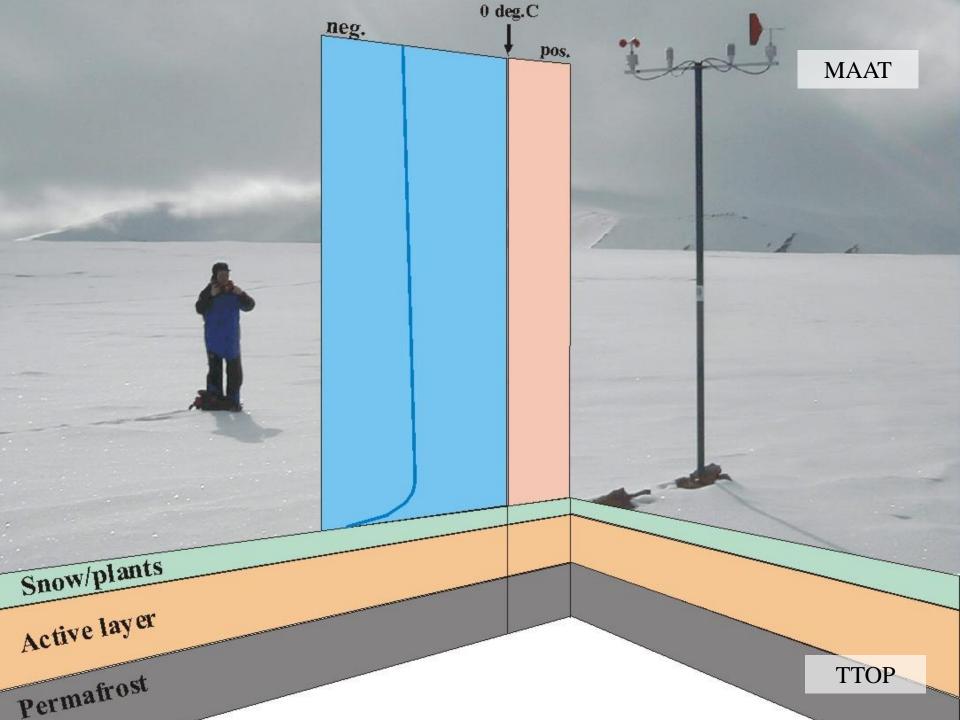


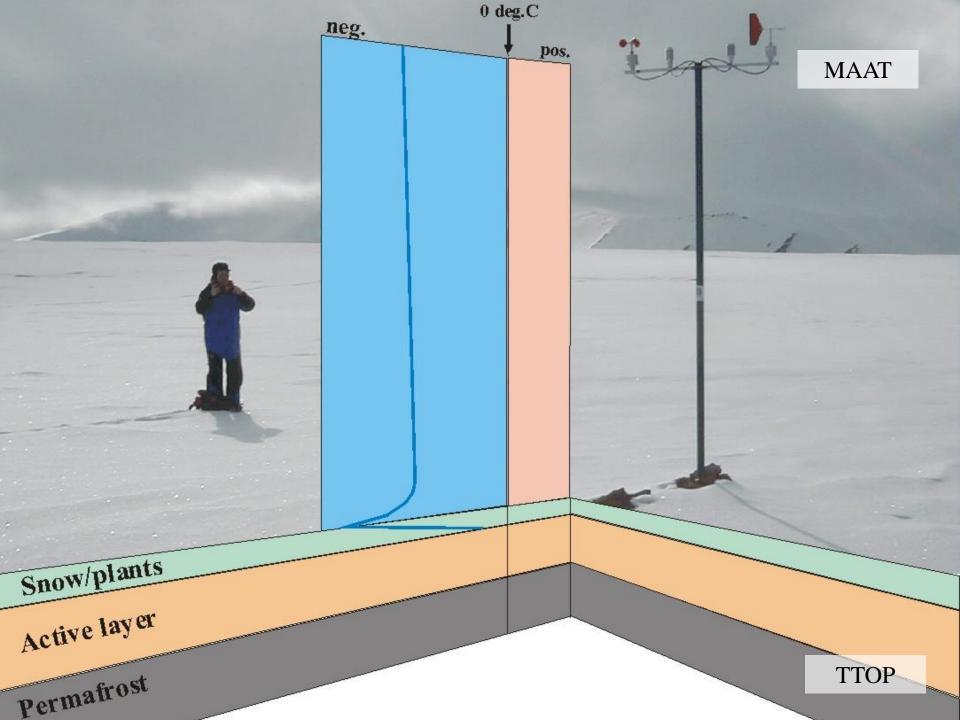


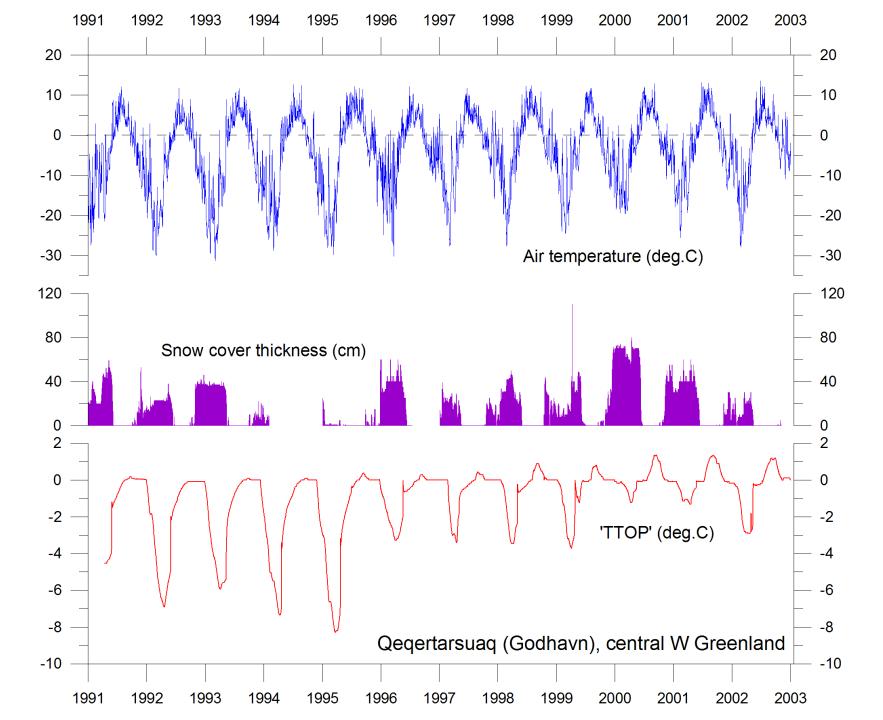






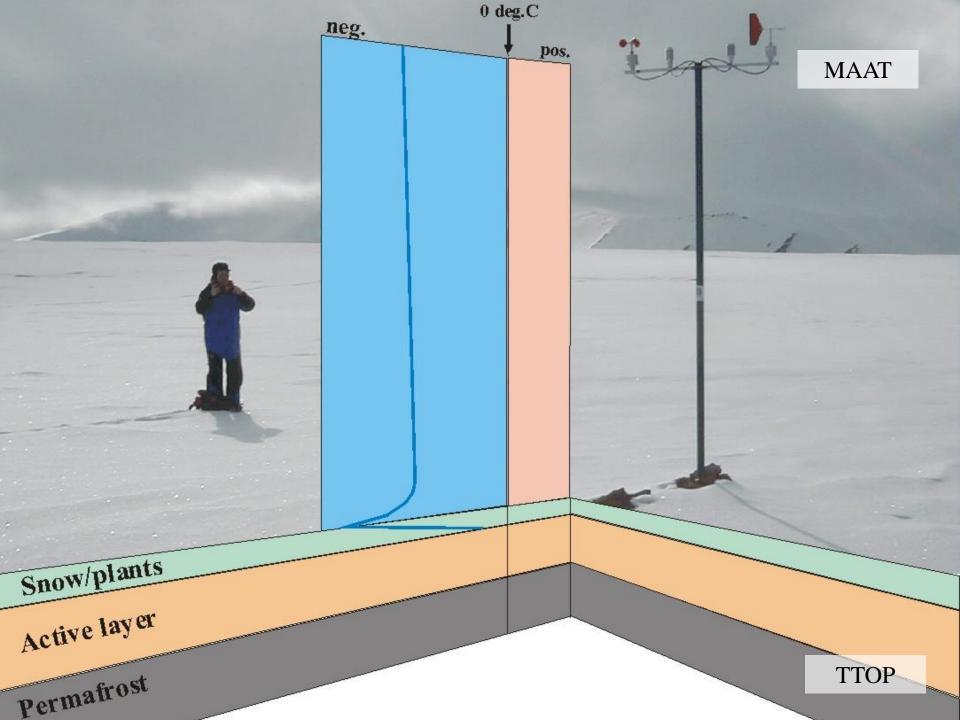


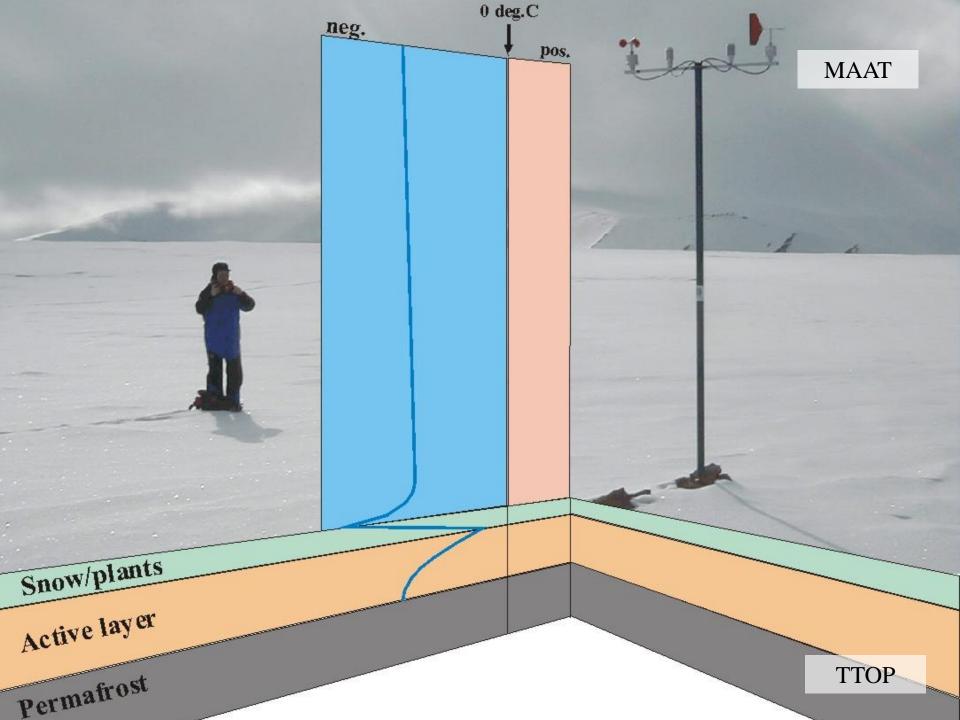


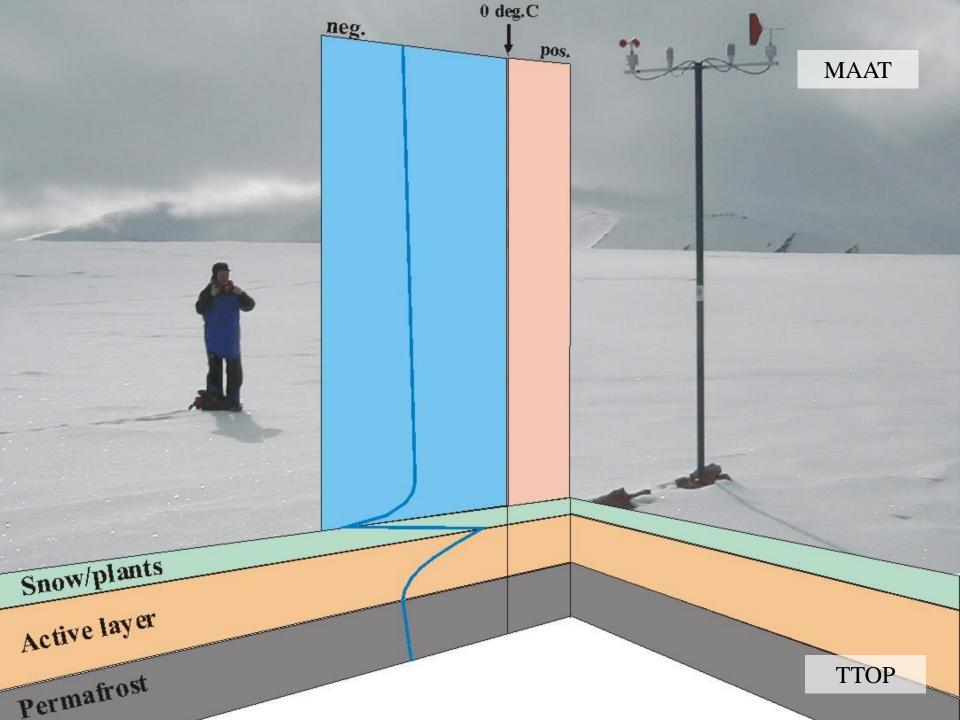


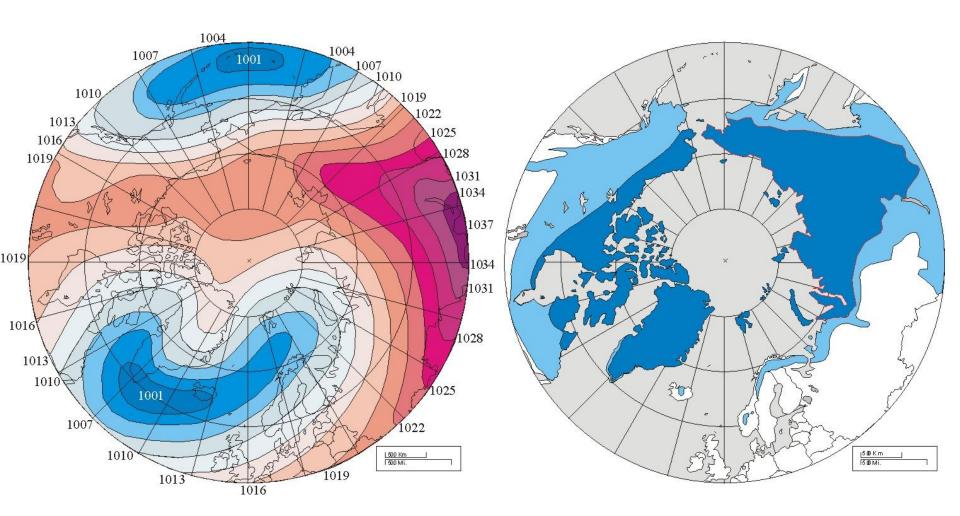


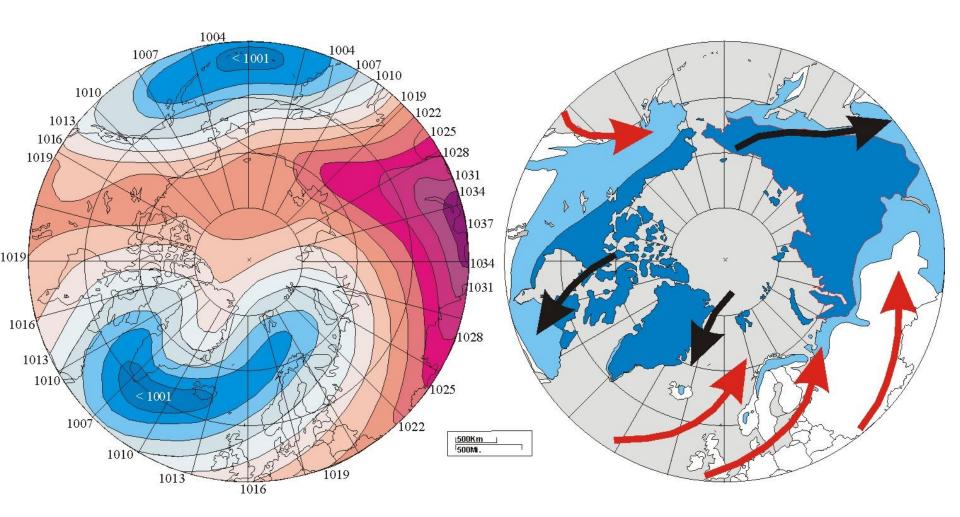


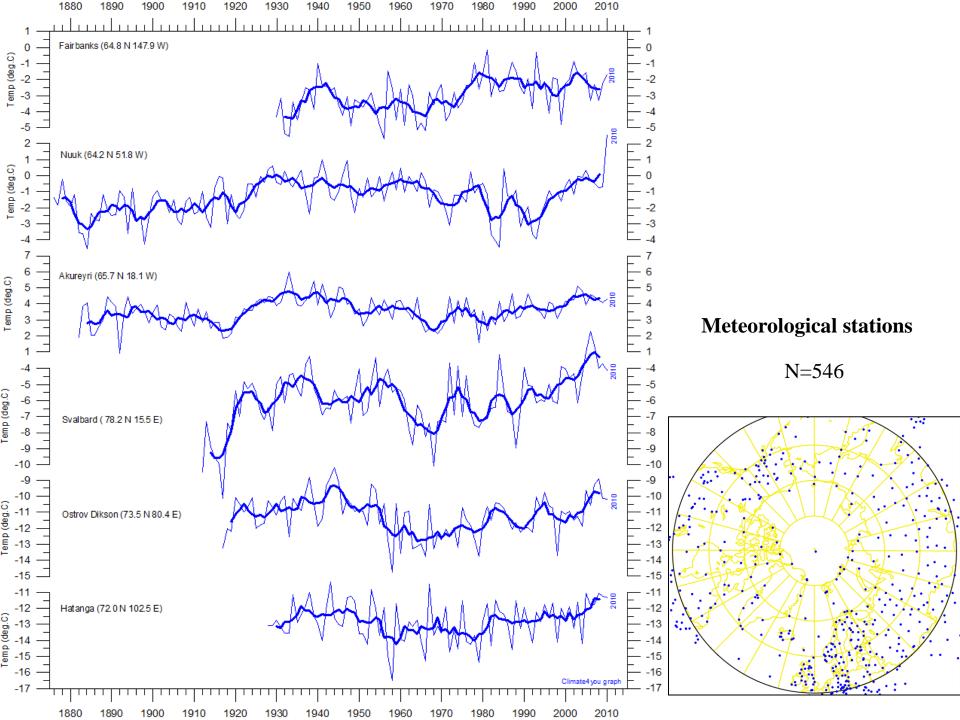


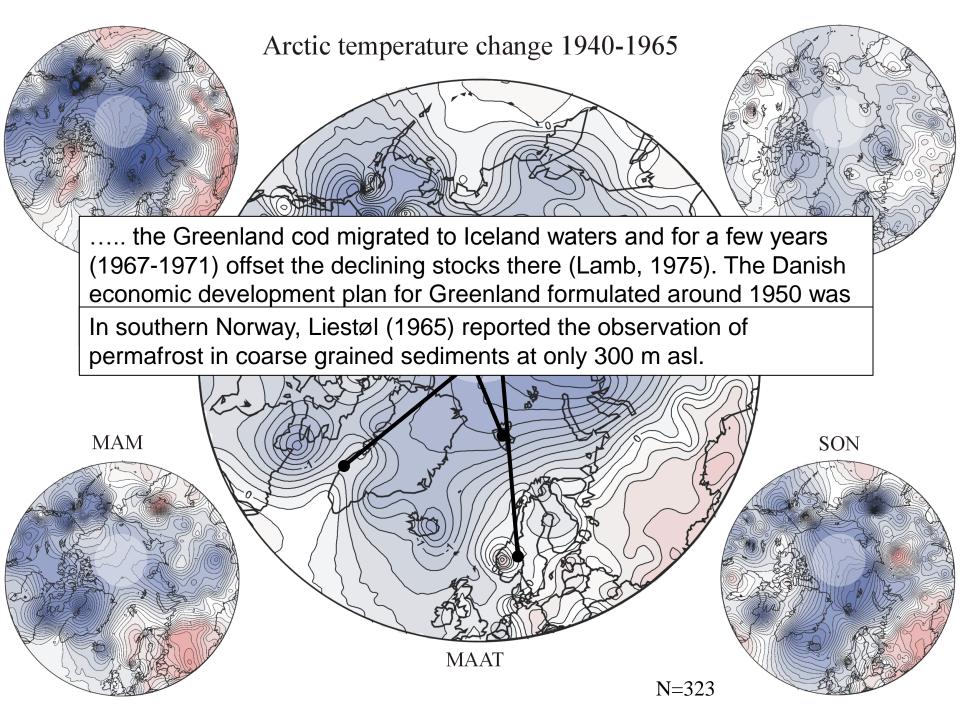


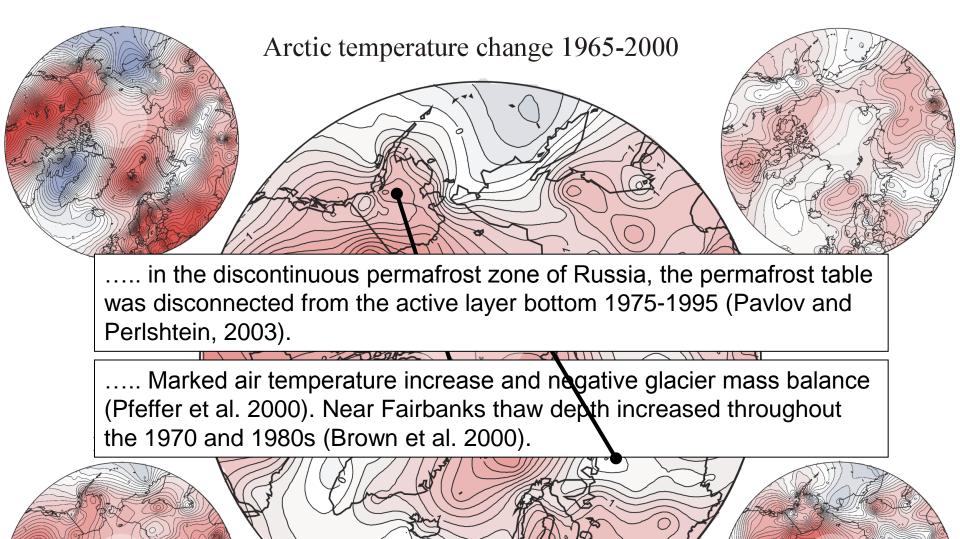


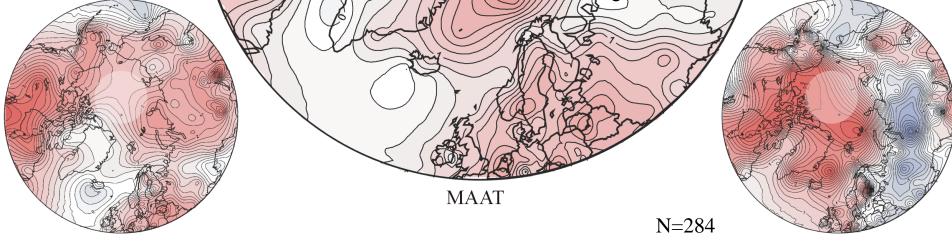


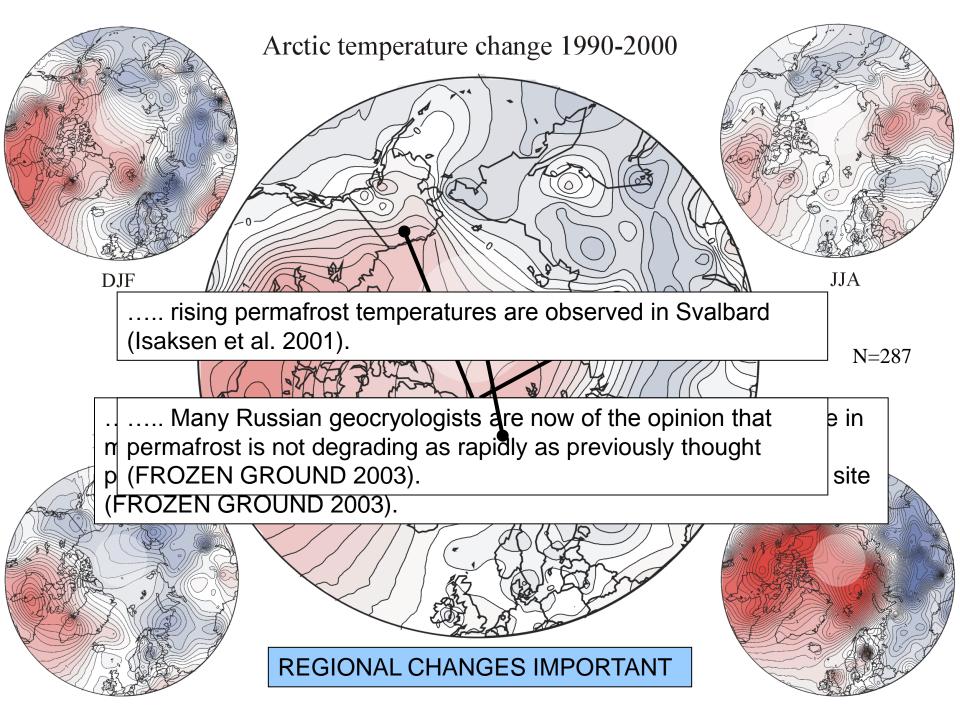


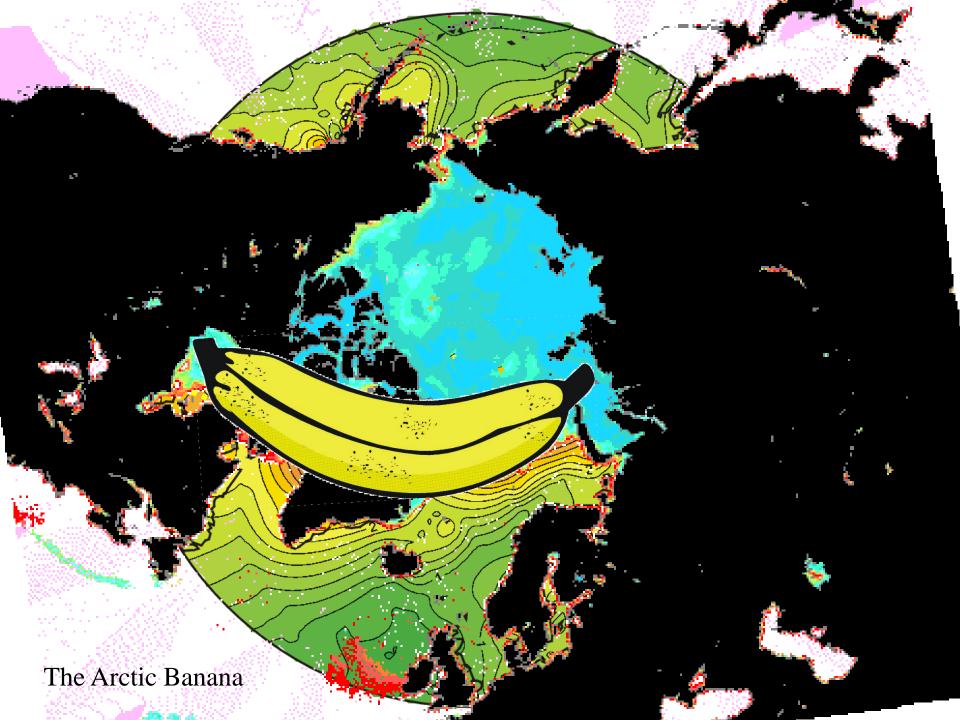


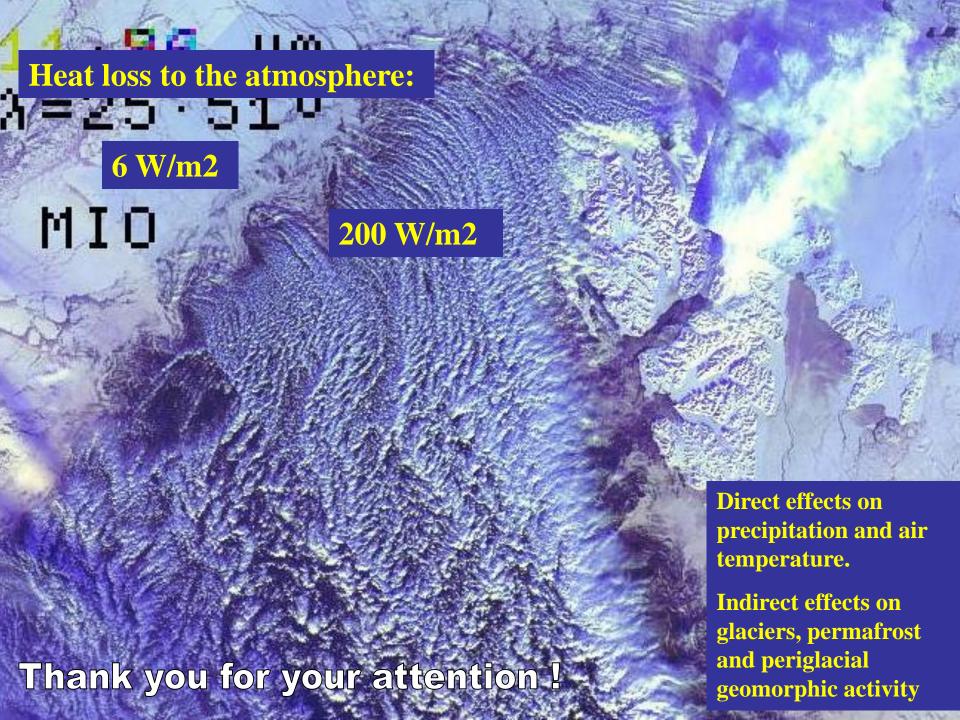














EUROPEAN SCIENCE FOUNDATION

 Contributes to GTN-P (Global Terrestrial Network for Permafrost) under GCOS (Global Climate Observing System)

