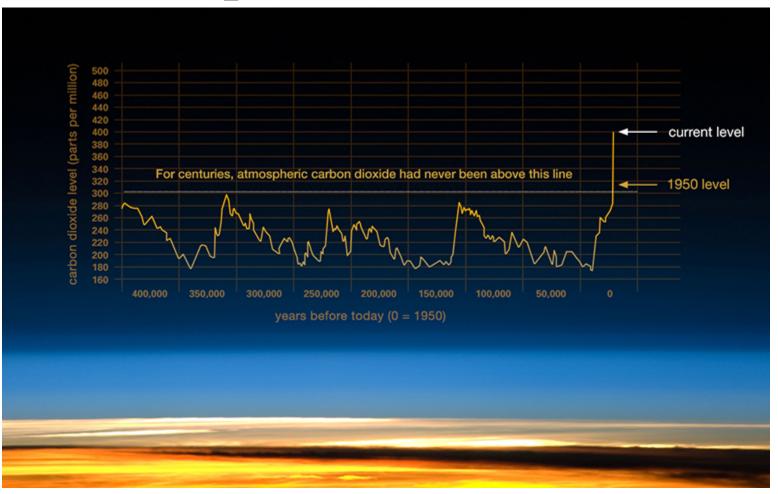


Pillar - Arctic Climate

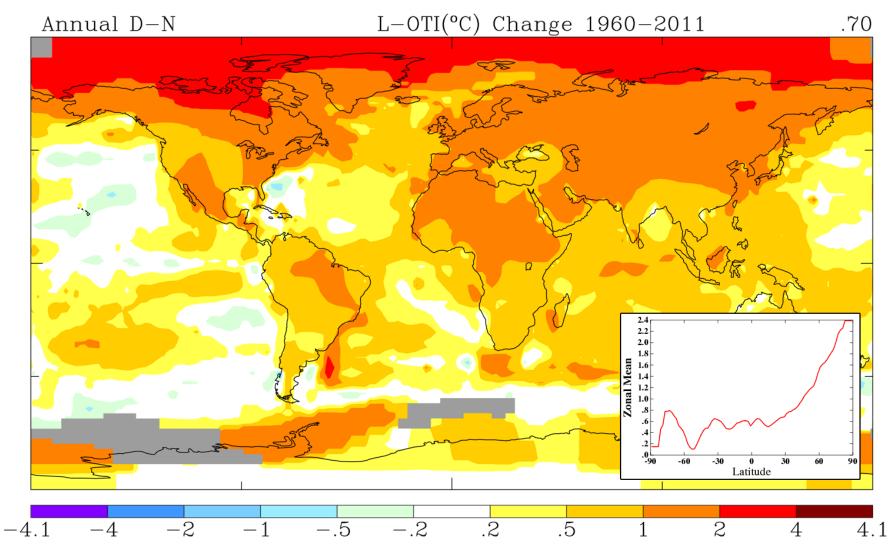
Professor Henrik Skov, Coordinator

- Professor Torben Røjle Christensen, Co-coordinator
- Doctor Andreas Hubertus Massling, Co-coordinator

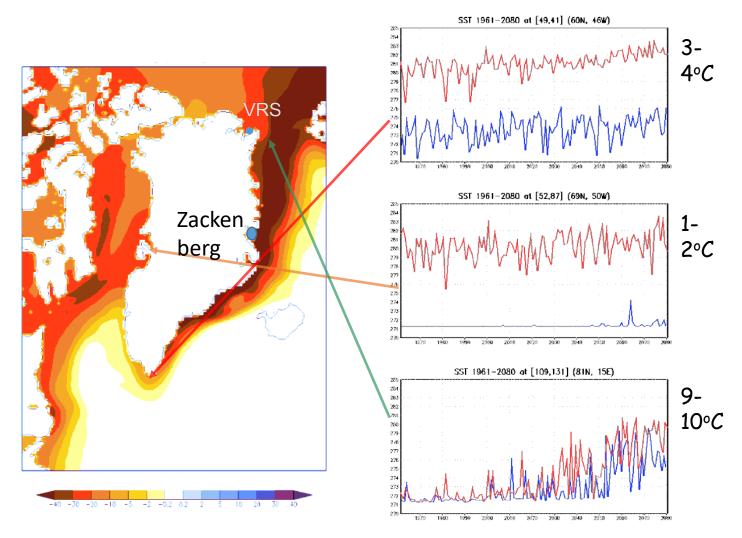
The climate is strongly influenced by human release of CO₂



Arctic amplification



NASA, https://nsidc.org downloaded 27th Nov. 2017



8 of 13 tipping point is connected to polar regions presented at the Last PEEX conference.

Lenton et al., 2008, PNAS

Stendel et al. (2008) Advances in Ecological Research vol 40

Climate change in Arctic has large consequences for:

- Biological systems
- Pollution
- Feedback on climate
- Geo-chemical cycles
- Cryosphere

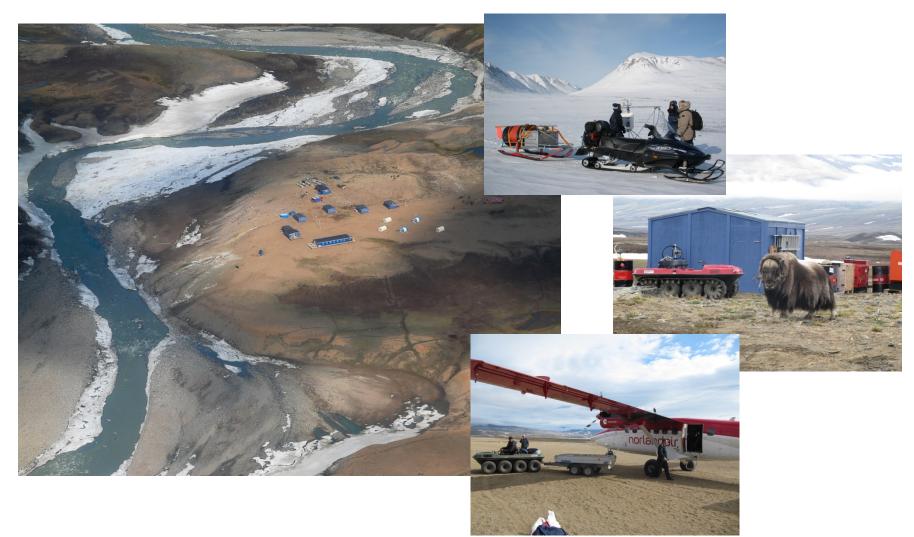
Villum Research Station at 81° N

The aim is to have unique state-of-the art research infrastructure in the High Arctic for investigating climate change and its effects on atmospheric, oceanographic, biological and geological conditions and processes in the high Arctic.

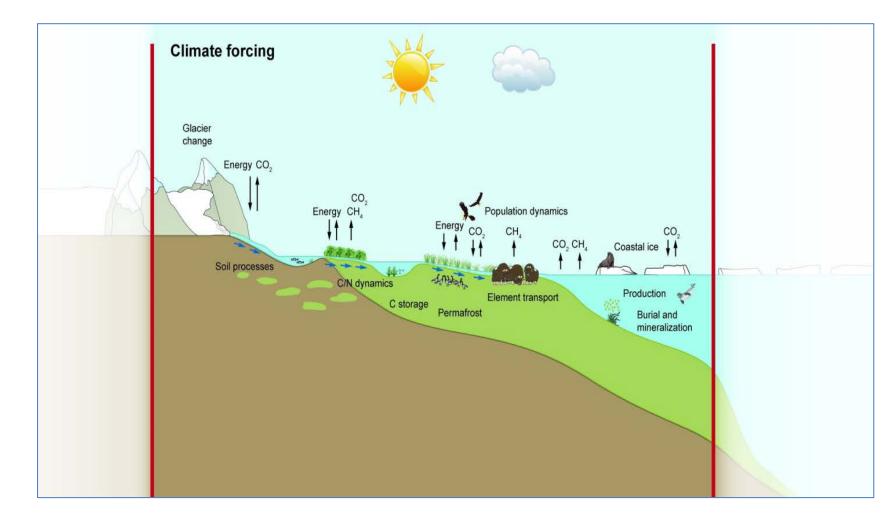


Zackenberg Research Station, 74°N

Zackenberg Research Station is a unique infrastructure, facilitating **ecosystem-based research and monitoring** in the High Arctic. Focus is on **climate-change** effects on geophysical, biological and geological **processes** in the High Arctic



The Greenland Ecosystem Monitoring (GEM) realm



Interdisciplinary research and monitoring of ecosystems from the edges of the Greenland Ice Sheet to coastal marine areas.

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