

The Universtiy Centre in Svalbard - UNIS

- λ Established by the four Norwegian universities in 1994.
- λ Goal: To perform research and education based in the High Arctic environment of Svalbard at 78+ °N.
- λ Four departments: Arctic biology, Arctic geology, Arctic geophysics, Arctic technology.
- λ Scientific staff: 5 full professors, 9 associate



ARCTIC BIOLOGY



Populations, communities,
trophic interactions,
responses to climate change

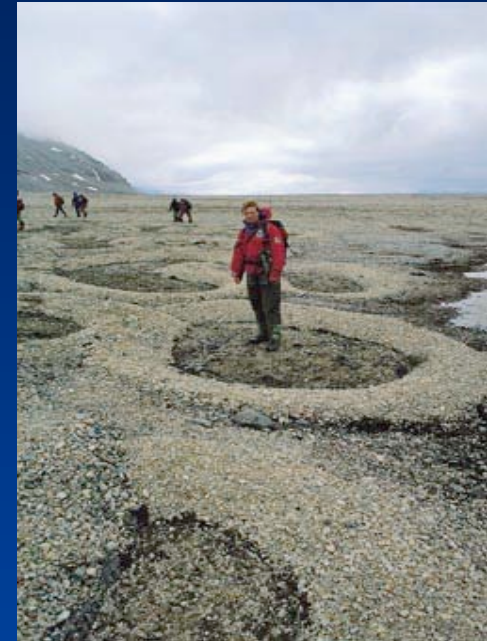


Marine



Terrestrial

ARCTIC GEOLOGY

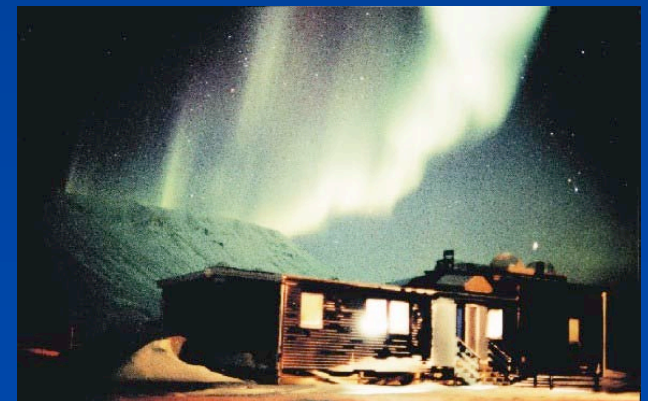


- Bedrock and structural geology,
- Quaternary terrestrial and marine environments,
- Glacial and periglacial processes and permafrost, linkages between climate, glaciers and geomorphic/geological processes.

ARCTIC GEOPHYSICS



- Oceanography,
- Meteorology,
- Middle - and upper atmosphere
- Remote sensing



ARCTIC TECHNOLOGY

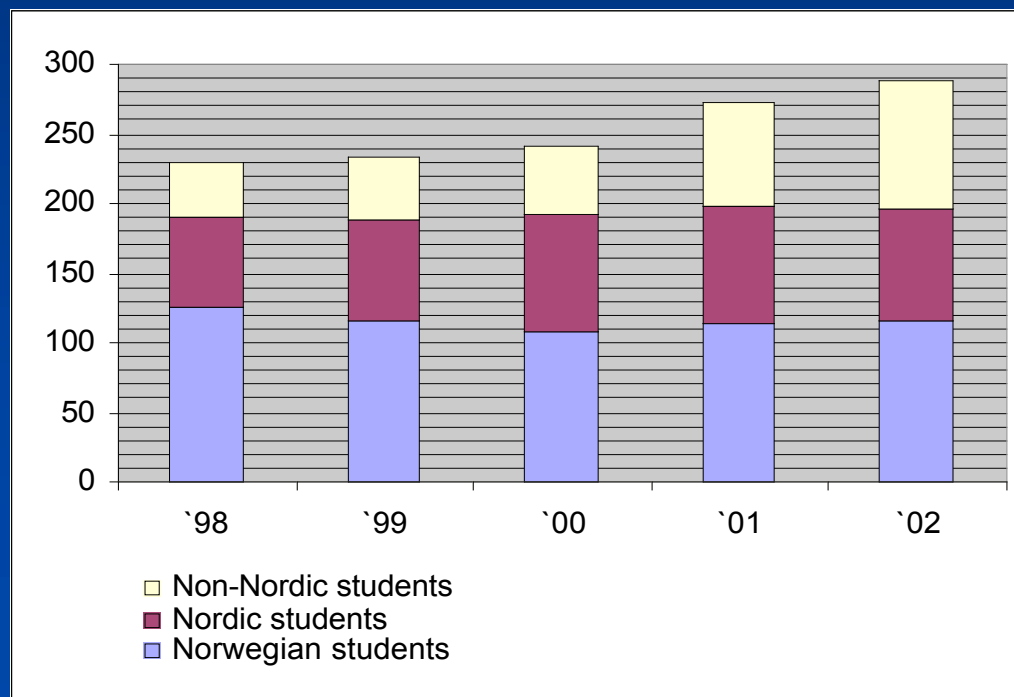


- Frozen ground engineering
- Offshore engineering
- Applied hydrology
- Environmental technology

UNIS - strong international profile

- International Research collaboration

- Foreign students > 50%



Svalbard / Longyearbyen as Arctic research platform



UNIS.

Logistics, equipment and safety needed in year-round arctic fieldwork for UNIS projects and collaborating institutions.



The Norwegian Polar Institute.

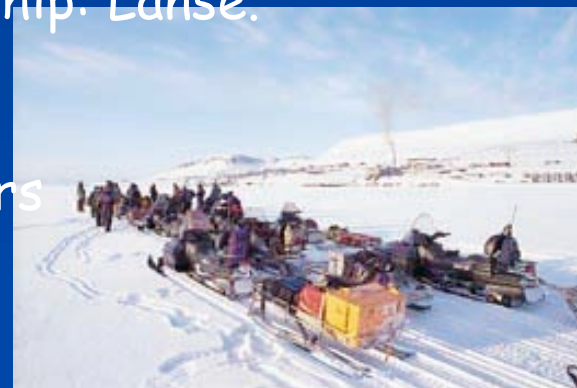
- Year-round research activities on Svalbard
- Serves visiting scientist.
- Owns research ship: Lanse.

Local companies.

Boats, aeroplanes, helicopters, snow-scooters

The Governor of Svalbard.

Counseling, control, rescue operations.



SVAlBARD SCIENCE PARK - 2005

- λ Co-locate research institutions and research based information.
- λ Increased cooperation between UNIS and the Norwegian Polar Institute.
- λ New space for Svalbard Museum the Governor's Environmental Information Office and the Cultural History Collection of Svalbard.
- λ Facilitate international cooperation in Arctic research.

