



UNIS

UNIVERSITY CENTER IN SVALBARD

Jøran Moen: Managing Director

WHY WE ARE HERE?



- **Educate the tomorrow arctic experts – research based**
- **Use the natural environment as a laboratory and arena for observations**



Photo: Steve Coulson

UNIS

- UNIS scientific and technical-administrative staff of 70 people, who all live and work in Longyearbyen
- UNIS has 25 PhD candidates and 9 post docs
- 50 percent of staff from abroad
- 40 adjunct scientific staff and 160 guest lecturers annually
- UNIS represents 25% of the Longyearbyen population

STUDIES

- 4 departments:
 - Arctic Biology
 - Arctic Geology
 - Arctic Geophysics
 - Arctic Technology

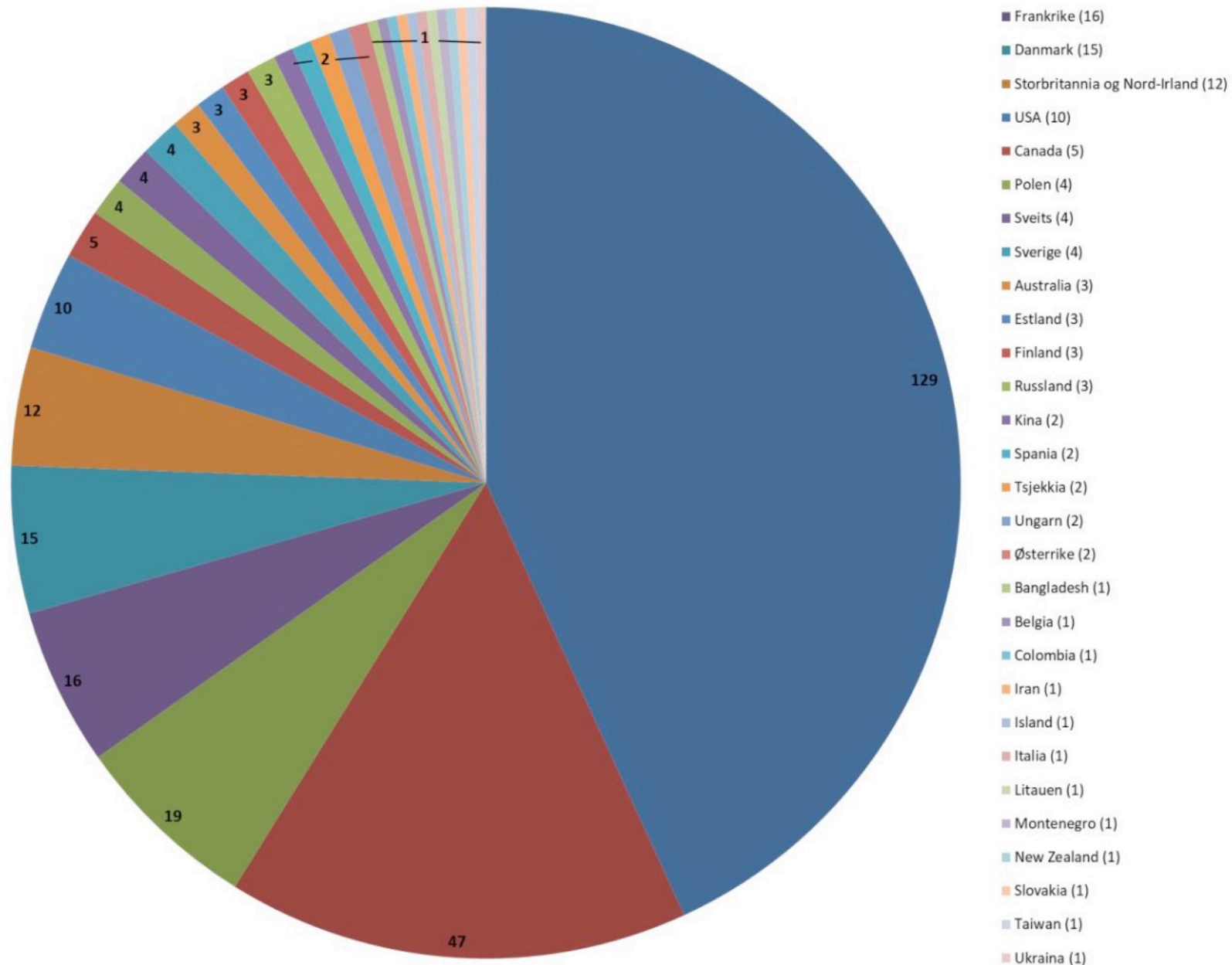
Pre-requisite: 60 ECTS in natural sciences
- 96 courses* (bachelor, master, Ph.D.)
- Field-based education
- 743 students from 43 nations*
- 57% women*
- 50% international students*
- All instruction in English

*Statistics for 2019



Nasjonaliteter, N=32

2020



Research relevant for living in the Arctic

- Climate drivers
- Ecosystem response to pollution and climate change
- Avalanche forecasting
- Glacier dynamics
- Sea ice mechanics/sea route predictions
- Solar wind driven space weather effects in the polar cap
- Arctic energy solutions

Education

Train tomorrow's arctic field experts

- Field work with the least possible negative impact on the natural environment
- Contribute the knowledge needed for security and sustainable Arctic operations
- Experience climate change effects on the nature

> 10,000 students from more than 50 nations since 1993

We represent a great contribution to achieve the UN's sustainability goals!



Arctic Education and Research for Global Challenges



STUDENT LIFE AT 78°N



Photo: Steve Coulson

Research

Objectives:

- Knowledge to solve local and global challenges related to environmental change
- Research to achieve UN sustainable development goals
- Strengthen Norway as a leading polar research nation.

Research focus: Ocean-Land-Atmosphere

- Solar activity and climate effects on atmosphere, ocean, ice and terrestrial environments.
- Fate and transport of contaminants, local and global

Impact

- Governance, engineering, energy, safety



Arctic Education and Research for Global Challenges



New UNIS Center initiatives

Arctic Safety Center



Arctic Energy Solutions

Initiate a national center

