

CaNoRock

The Norway - Canada Undergraduate Student Rocket School

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Objective:
 "Attract undergraduate students and bridge them into space related graduate study or the aerospace industry."



An introduction to space research taught at a rocket range under the aurora.

Concept

A week-long course in sounding rockets, payload accommodation, telemetry and instrument design at the Andøya Space Center in Norway.

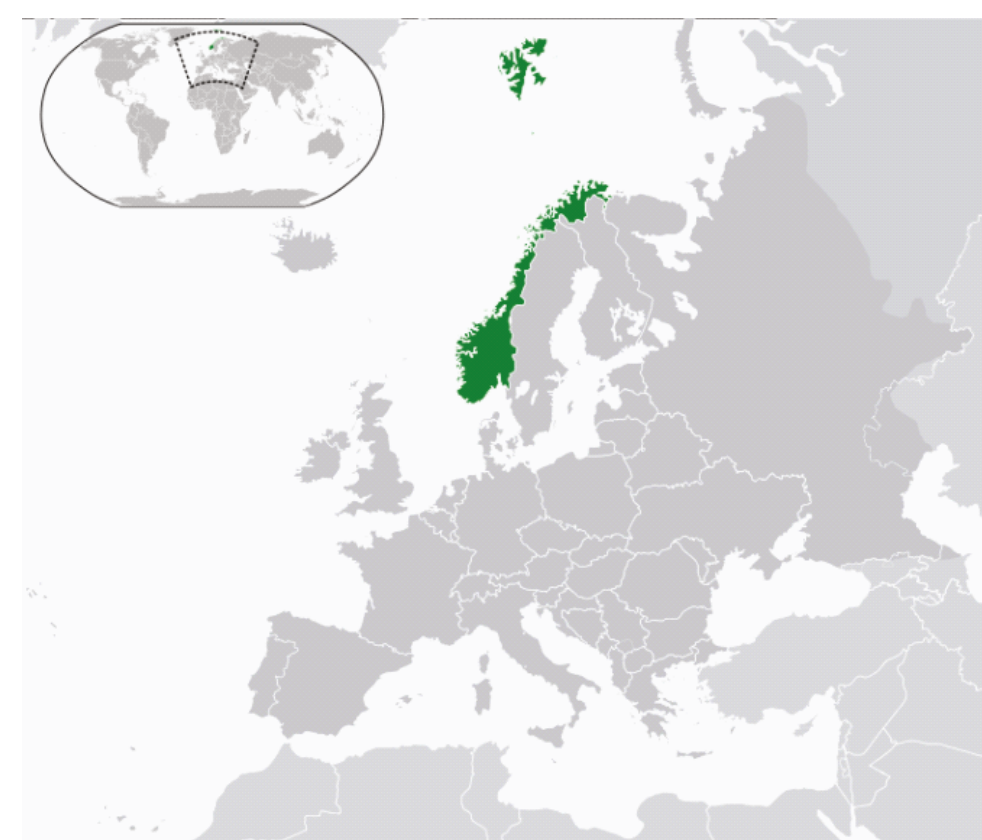
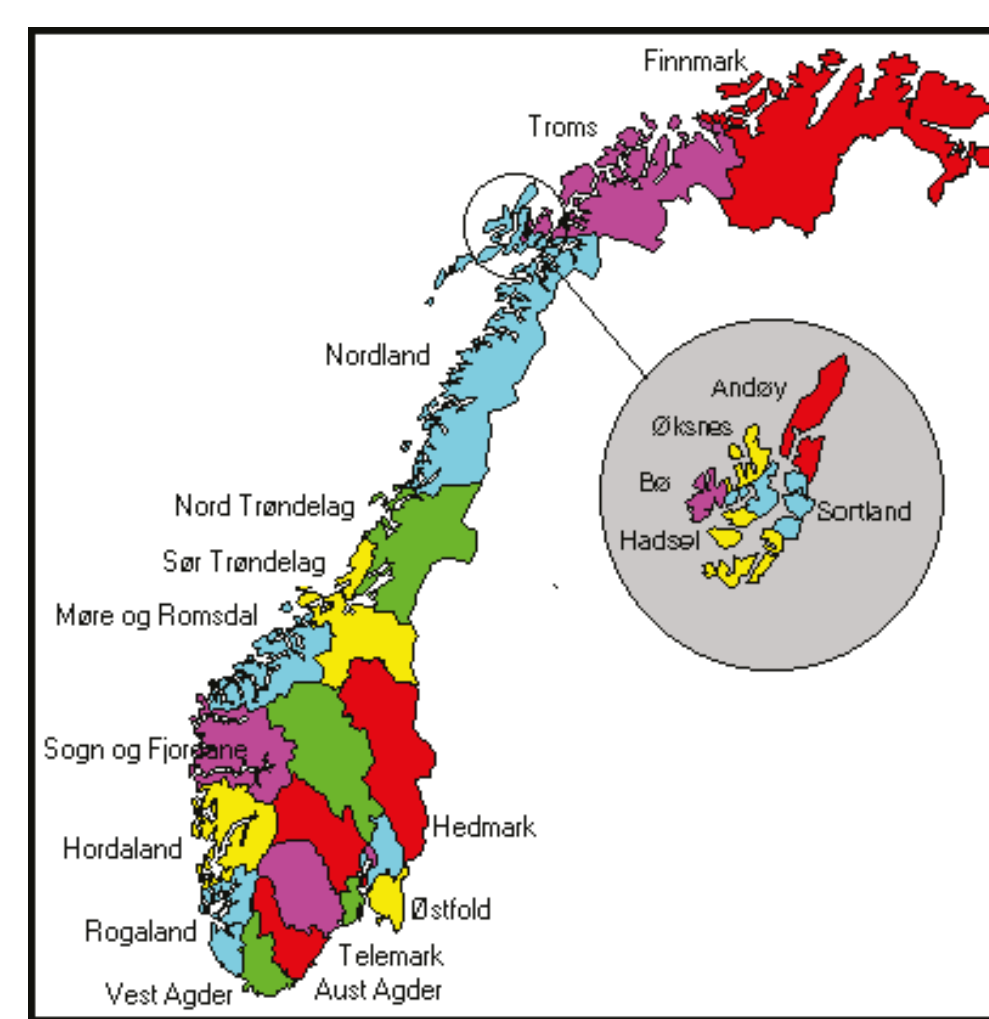


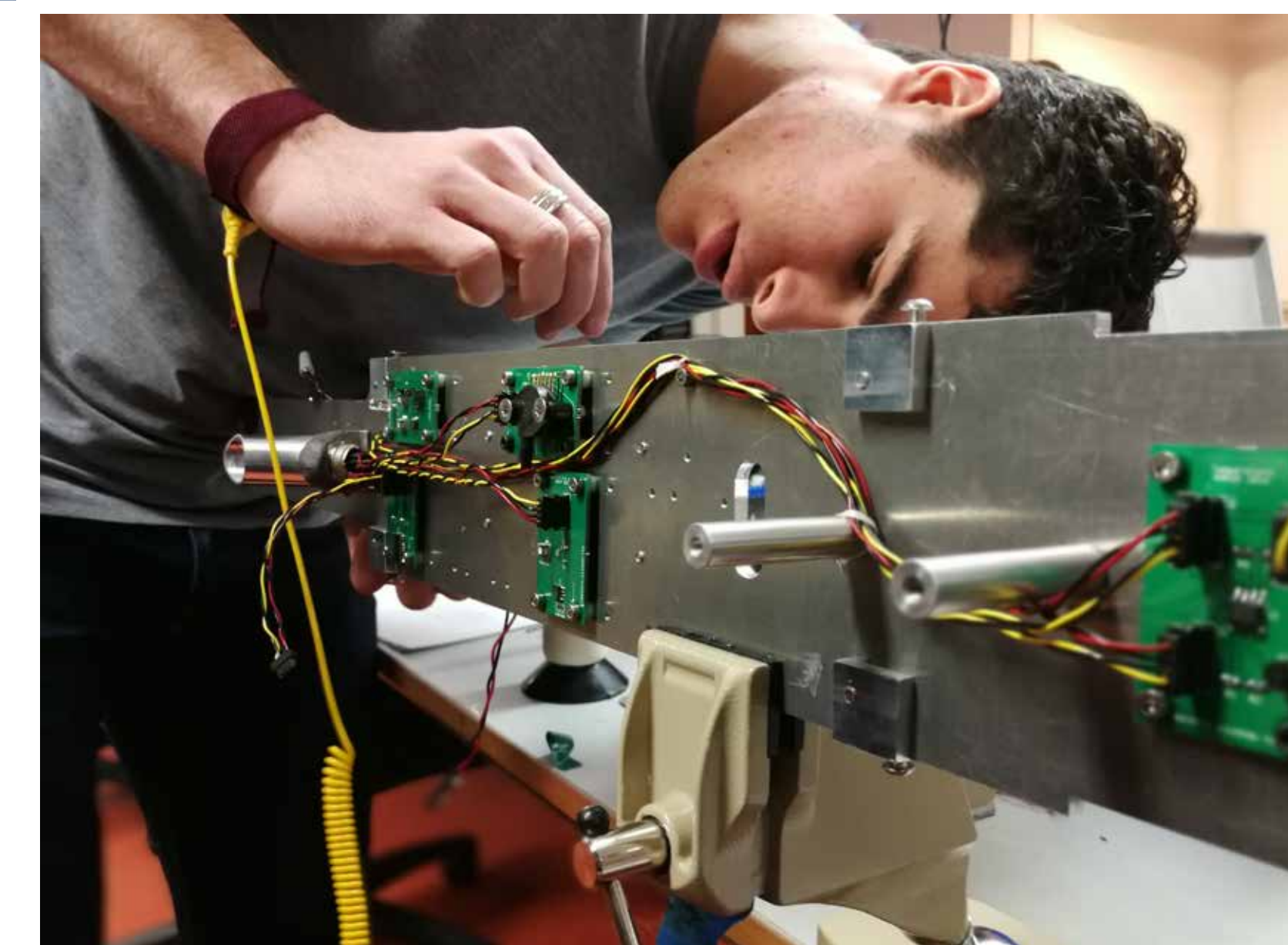
Image Credit: wikipedia.org



Two campaigns per year (Fall and Winter terms) where 20 students from the participating institutions build, test and launch a rocket and instrument payload to 10 km and bring the data home.



Content



Work in groups to complete the sounding rocket mission:

- Rocket Physics
- Science Instruments
- Payload Accomodation
- Telemetry and Data Recovery
- Atmospheric Physics

Skills:

- hands-on experience in sounding rocket and payload instrument designs
- Develop soft and intercultural skills when working together in smaller teams of mixed nationalities and backgrounds.

Results



The CaNoRock program was launched in January 2011 by Canada's ambassador to Norway, Johan Hannaford.



CaNoRock XIII in 2017 were visited by Canada's ambassador to Norway Artur Wilczynski. An MoU on the future development of CaNoRock / CaNoSat student training and research was signed by the partner institutions.

CaNoRock is today a well established school and more than 300 Canadian, Norwegian, and recently also US students have so far participated in this unique experience and training opportunity.



This program is undertaken with the financial support of the Canadian Space Agency, the Norwegian Space Agency, the Norwegian Centre for Space-related Education(NAROM), and Andøya Space Center, the US National Science Foundation, (NSF) and the Iowa Space Grant Consortium.



UiO : University of Oslo



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