## Norwegian Student Satellite Program



ÁNSAT

NORWEGIAN STUDENT

SATELLITE PROGRAM

ANSAT

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### An industrial and educational collaboration

ANSAT is a national student satellite program, run by the Norwegian Centre for Space-Related Education (NAROM). The centre is located at and owned by Andøya Rocketrange (ARR).

The student satellite program is funded by the Norwegian Space Centre, NAROM, ARR and the participating institutions.



## Andøya Rocket Range

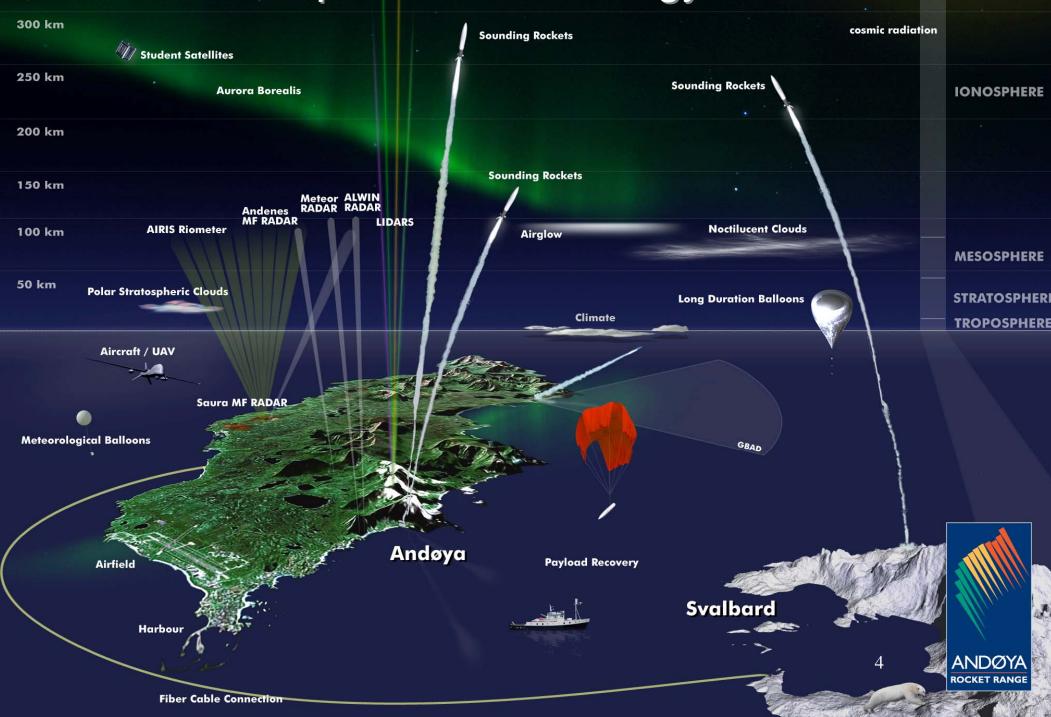
ARR is owned by the Norwegian government and Kongsberg. The range main facility is for launching sounding rockets.

Also has an in-house payload development program.

The rocketrange participates in the student satellite program with the technical coordinator, and experts in the field of space research.



## A Center for Space & Technology Research



# Norwegian Centre for Space-Related Education - NAROM

NAROM is a fully owned subsidiary of ARR

Works to organize and promote space education in Norway with the goal of stimulating the interrest in science

NAROM host courses for all levels of education, but mainly High School, Higher education and teachers

Yearly organize the European SpaceCamp and the Teacher SpaceCamp

Student rocket launch campaign



## Norwegian student satellite history

NCUBE-2

Launched inside SSETI EXPRESS in 2005, never received signal

NCUBE-1 «Rudolf»

Part of DNEPR-1 launch that crashed.

Both NCUBEs were equiped with AIS-receivers to receive ship traffic information. Also the AIS experiment was complemented with a raindeer collar to track movement of raindeer in Norway throughout the year

#### Satellites

#### **HiNCube**

The University College of Narvik run a cubesat project where the students are project managers and run the project

#### UiO

University of Oslo are in negotiations with ANSAT for a LEO cubesa carrying a plastma probe





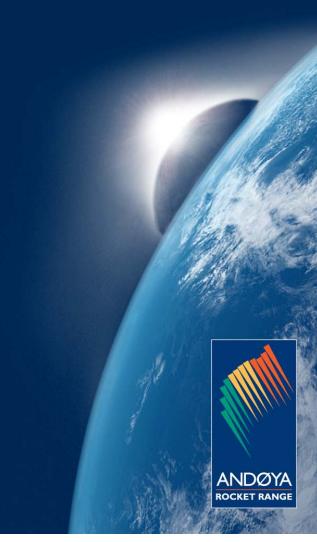


## Industrial cooperation

Testing at Kongsberg Defence and Aerospace, NorSpace, etc

Group of experts from the industry as regular advisors

Ground station at Andøya will be run by ARR



## Thank you for watching



#### Torbjørn Houge

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