

DTU Space - National Space Institute

Space is the starting point for our scientific activities

we conduct research and develop technologies

We are world leading in several fields due to a unique interaction between science, technology development and applied research

We work in three main fields:

1

Earth Observation

Climate research e.g monitoring of sea and land ice in the Arctic and Antarctica, sea, lake and river water levels, land rise. Exploration of the Earth's magnetic field.

2

Exploring the universe

Exploring the early universe. The Solar system, Mars and Jupiter. The Milky Way, e.g exoplanets and star formation. Exploration of distant galaxies.

3

Technology development

Development of instruments and measurement systems for space crafts, satellites and drones, e.g for Earth observation, navigation, and positioning in space.

Tasks

- Establishing new knowledge through high quality research.
- Develop advanced space technology.
- Educate engineers and scientists.
- Give research based advice to Danish authorities.
- Create innovation based on cooperation with private businesses.
- Act as Denmark's representative in international fora, e.g SPC at ESA.

Partners

- ESA.
- NASA.
- National space agencies in e.g Germany, France and Japan.
- Danish and international high tech businesses, e.g Terma and GomSpace.
- Authorities in Denmark, Greenland and the Faroe Islands.
- International universities, e.g California Institute of Technology.

Key facts

- Participation in more than 100 space missions.
- 165 scientists, technicians and support staff.
- 10 scientific publications a year.
- 300 enrolled in Earth and Space Physics and Engineering studies.
- 15.5 Million Euro annual turnover.
- More than 50 years experience in space science and technology.

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