

Country update, Denmark

Morten Rasch
PhD, Chief Consultant
Arctic Coordinator
University of Copenhagen
Denmark

Forum of Arctic Research Operators
Arctic Science Summit Week 2021
19 March 2021, Online, Portugal

ITEMS:

1. Research infrastructure in Greenland
2. Infrastructure plans
3. Other plans / strategies / initiatives
4. ISAAFFIK

Country update, Denmark

Morten Rasch

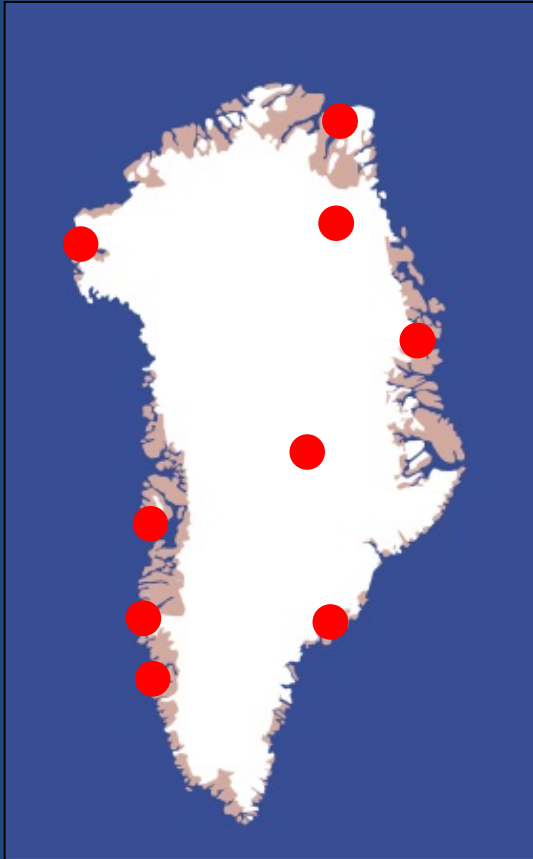
Forum of Arctic Research Operators

Arctic Science Summit Week 2021

19 March 2021, Online, Portugal

Research infrastructure in Greenland

There are nine research stations. Four of them are owned by Danish institutions, four of them are owned by Greenland institutions, and one is owned by US National Science Foundation.



Country update, Denmark

Morten Rasch

Forum of Arctic Research Operators

Arctic Science Summit Week 2021

19 March 2021, Online, Portugal

Research infrastructure in Greenland

There are currently two research vessels in Greenland, M/V Sanna and M/V Porsild. M/V Sanna belongs to the Greenland Institute of Natural Resources, while M/V Porsild belongs to University of Copenhagen. A new research vessel is under construction for Greenland Institute of Natural Resources. Besides that, the Danish military provides some capacity for scientists onboard their ships around Greenland.



Country update, Denmark

Morten Rasch

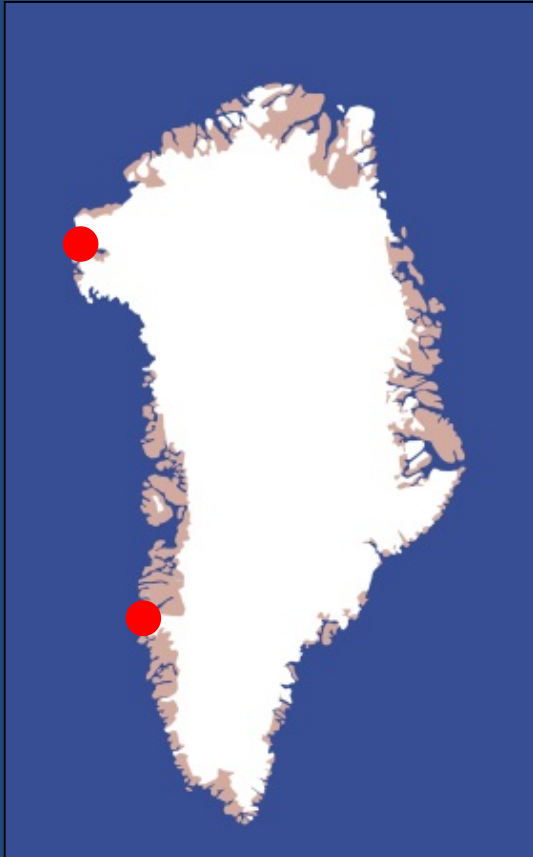
Forum of Arctic Research Operators

Arctic Science Summit Week 2021

19 March 2021, Online, Portugal

Two new research stations in Greenland

DMI Geophysical Observatory in Qaanaaq and ARTEK Research Station in Sisimiut has opened up as research stations providing field accommodation to scientists. Both stations have become members of INTERACT.



The DMI Geophysical Observatory Qaanaaq is located at the outer perimeter of the city of Qaanaaq in Northwest Greenland. It is owned by the Danish Meteorological Institute. The station connects different monitoring infrastructures in the region.



Technical University of Denmark runs the ARTEK Research Station in Sisimiut. The station is part of a cooperation between the Technical University of Denmark and the Government of Greenland Namminersorlutik Oqartussat on Arctic educations, research and innovation.

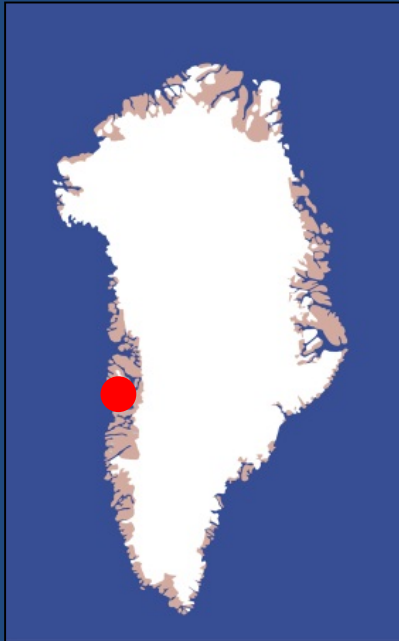
Country update, Denmark

Morten Rasch

Forum of Arctic Research Operators
Arctic Science Summit Week 2021
19 March 2021, Online, Portugal

Modernisation of Arctic Station, West Greenland

University of Copenhagen has decided to modernise its research station, Arctic Station, in the town of Qeqertarsuaq in Disko Bugt, West Greenland. The extension will include improved laboratory facilities and the capacity for accommodation capacity will be increased from 25 to 40 scientists.



Country update, Denmark

Morten Rasch

Forum of Arctic Research Operators

Arctic Science Summit Week 2021

19 March 2021, Online, Portugal

Greenland research stations and COVID

Greenland closed until 18 April. It is uncertain, what will happen by then.

	2020	2021
Zackenberg Research Station	Open with reduced capacity	Not decided
Villum Research Station	Open with reduced capacity	Open with reduced capacity
EastGRIP	Closed	Closed
Arctic Station	Open with reduced capacity	Open with reduced capacity
Greenland Institute of Natural Ressources	Open with full capacity	Open with full capacity
Sermilik Station	Closed	Open with reduced capacity
DMI Geophysical Observatory	No external projects	Not decided
ARTEK Research Station	No information	No information

Country update, Denmark

Morten Rasch

Forum of Arctic Research Operators

Arctic Science Summit Week 2021

19 March 2021, Online, Portugal

Greenland Integrated Observing System, GIOS

GIOS is a new, comprehensive and coordinated, joint effort from the Danish realm, to provide new knowledge about Climate Change in the arctic environment, how quickly the changes occur, and how they can affect the rest of the globe.

GIOS boosts collaboration between all arctic research environments within the Danish realm to ensure they maintain a leading role in Greenland environmental research and a well-informed arctic voice in its international debate.

Partners: Greenland Institute of Natural Resources, Aarhus University, Copenhagen University, Technical University of Denmark, The Geological Survey of Denmark and Greenland, Asiaq the Greenland Survey and Aalborg University. **Affiliated partners include:** Danish Meteorological Institute; Danish Arctic Command; University of Southern Denmark; Greenland National Museum; University of Greenland and Havstoven in the Faroe Islands.

Budget: 10.5 mio. EURO for 2021-25

Country update, Denmark

Morten Rasch

Forum of Arctic Research Operators

Arctic Science Summit Week 2021

19 March 2021, Online, Portugal

Other plans / strategies / initiatives:

1. New Arctic Strategy for the Kingdom of Denmark
2. Research Hub Greenland at Greenland Institute of Natural Resources – coordination and outreach
3. Zackenberg Research Station is installing solar panels for electrical power
4. Sermilik Station is preparing a cooperation agreement with University of Graz, concerning extension of the station
5. Increased access to data from space provided by Danish Meteorological Institute



Country update, Denmark

Morten Rasch

Forum of Arctic Research Operators

Arctic Science Summit Week 2021

19 March 2021, Online, Portugal

ISAAFFIK

The Arctic Gateway – Facilitating Arctic Scientific Collaboration – within the Kingdom of Denmark and Internationally.

www.isaaffik.org

Country update, Denmark

Morten Rasch

Forum of Arctic Research Operators

Arctic Science Summit Week 2021

19 March 2021, Online, Portugal



Thank You