

# Country update, Denmark

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Forum of Arctic Research Operators  
Arctic Science Summit Week 2022  
25 March 2022, Online

# ITEMS:

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

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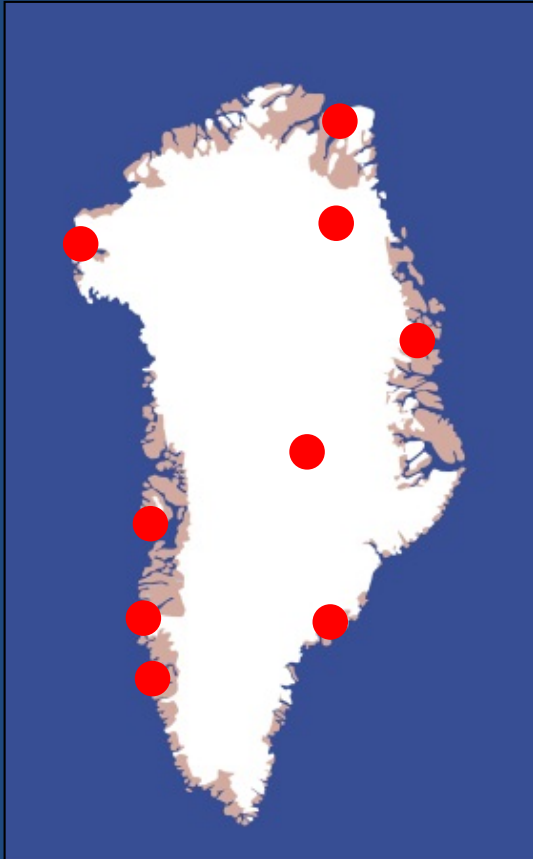
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# Research infrastructure in Greenland

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.



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# Research infrastructure in Greenland

There are three research vessels in Greenland, M/V Sanna, M/V Porsild and M/V Tarajoq. M/V Sanna and M/V Tarajoq belong to the Greenland Institute of Natural Resources, while M/V Porsild belongs to University of Copenhagen. Besides that, the Danish military provides some capacity for scientists onboard their ships around Greenland. Application for use of military infrastructure goes through ISAAFIK.



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# M/V Tarajoq

M/V Tarajoq is the new larger research vessel of The Greenland Institute of Natural Resources. It will support both the institutes monitoring of the living resources as well as more research related activities.



## Specifications:

**Length:** 61 m

**Width:** 16 m

**Crew:** 12 people

**Maximum number of passengers:** 20 people

**Cruise speed:** 14 knots

**Equipment:** State-of-the-art fishing equipment, scientific equipment and mapping equipment etc.

**Facilities:** State-of-the-art laboratories

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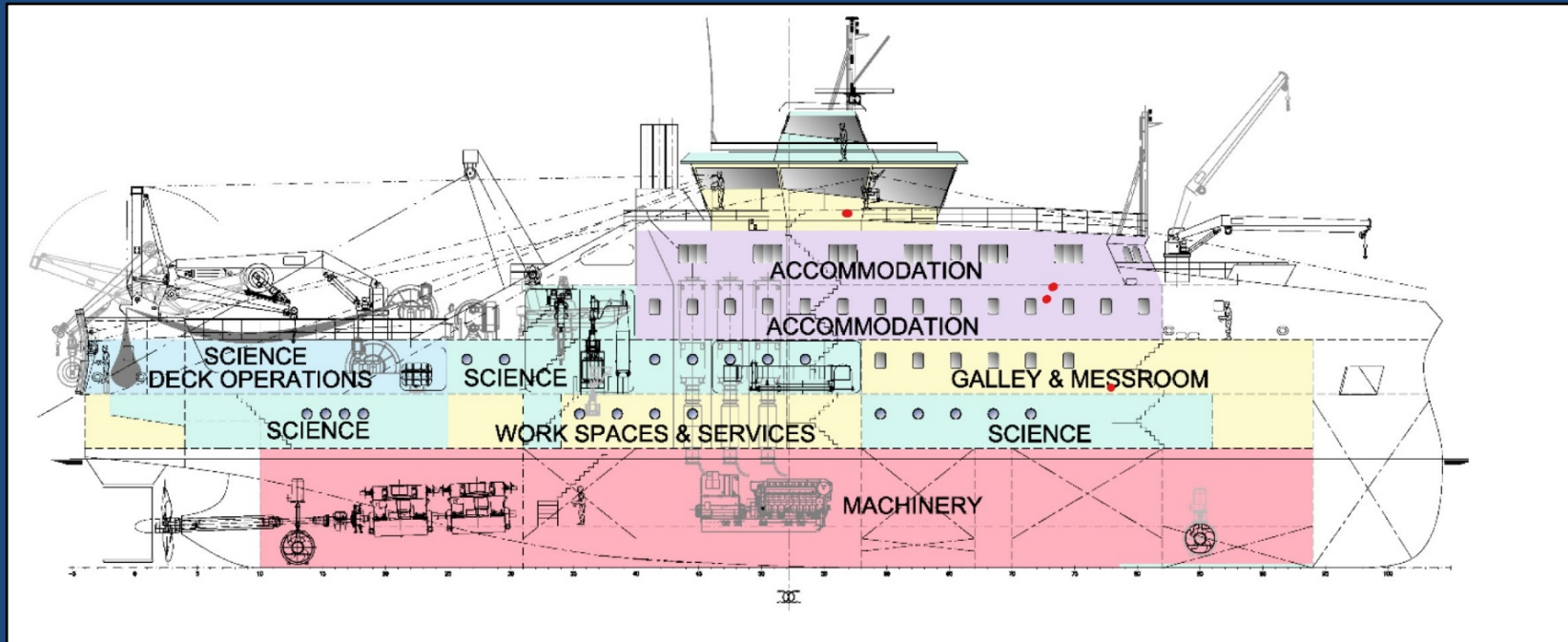
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# M/V Dana V

Technical University of Denmark is planning the construction of a new research vessel for operations in the waters around Denmark and Greenland. The ship is planned to start operation in 2026. Budget: 60 mio. EURO.



## Specifications:

**Length:** 68 m

**Width:** 16 m

**Maximum number of people in board:** 38

**Cruise speed:** 12 knots

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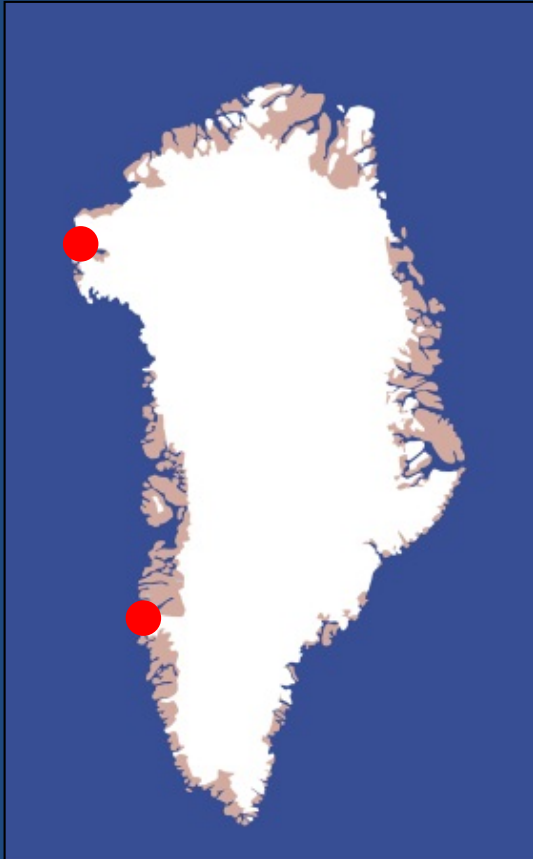
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# Two new research stations in Greenland

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.

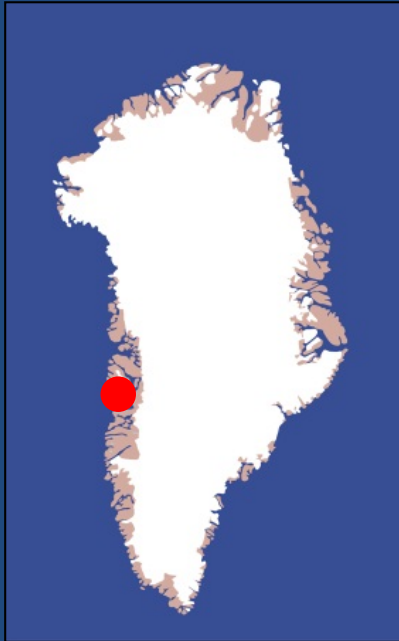
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# Modernisation of Arctic Station, West Greenland

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. The station expects to open for users again 1. June 2022.



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# Greenland research stations, expeditions and COVID

All research stations in Greenland were to a different degree affected by COVID with a reduced number of guests. Only one expedition managed to travel into North Greenland.



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## Other plans / strategies / initiatives:

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



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# ISAAFFIK

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

[www.isaaffik.org](http://www.isaaffik.org)







Thank You