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Forum of Arctic Research Operators Annual Meeting Arctic Science Summit Week 2023 Vienna, Austria, 17 February 2023



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.



Arctic Science Summit Week 2023 Vienna, Austria, 16 February 2023

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 Ressources, 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.





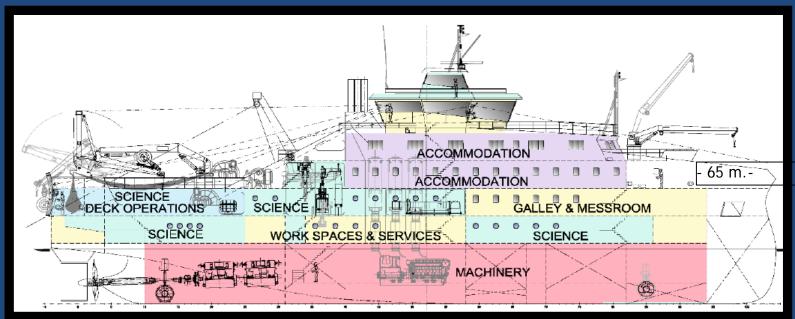


Country update, Denmark

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M/V Dana V

Technical University of Denmark (DTU) 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: 50 mio. EURO. The Danish Parliament allocated in 2021 22.8 mio. EURO for M/V Dana V. The rest of the financing comes from DTU and private funds.



Specifications:

Length: 68 m Width: 16 m

Maximum number of people on

board: 38 (18-20)

Cruise speed: 12 knots



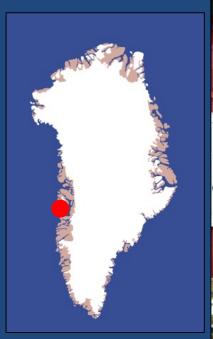
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Modernisation of Arctic Station, West Greenland

University of Copenhagen has finished the modernisation of Arctic Station, in the town of Qeqertarssuaq in Disko Bugt, West Greenland. The modernisation includes improved laboratory facilities and increased capacity for accommodation (from 26 to 39 scientists). The station is alredy more or less fully booked for 2023.









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Sustainable Energy, Zackenberg Research Station:

Zackenberg Research Station in Northeast Greenland is establishing a solar energy plant to fully support the station with sustainable electrical power.



GIOS (https://gios.org)

GIOS is a new coordinated network of sustainable long-term research infrastructures in and around Greenland observing the changing air, ice, land, and ocean conditions.

GIOS link all institutions and universities currently carrying out Arctic research in the Danish Realm.

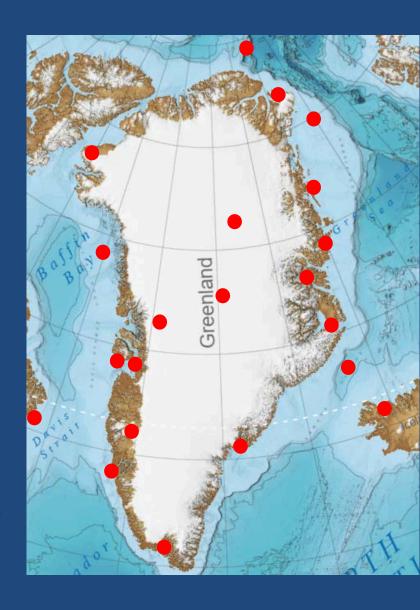


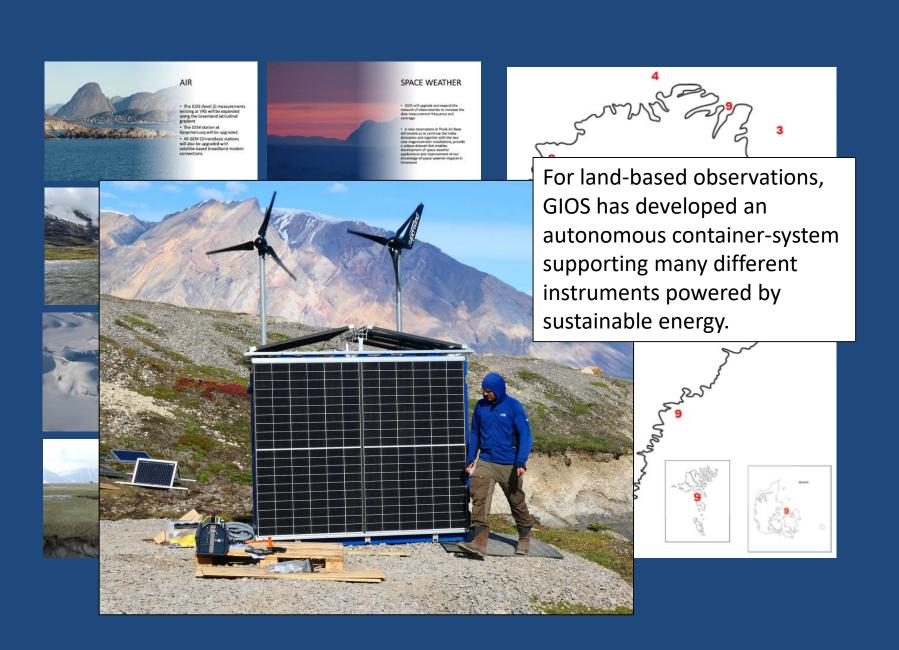












ISAAFFIK

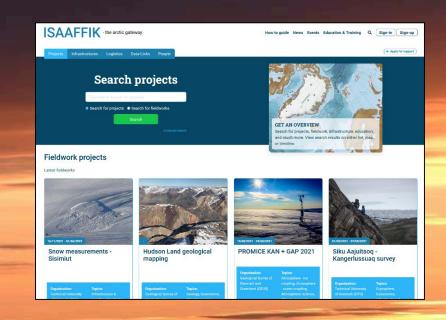
The Arctic Gateway – Facilitating Arctic Scientific Collaboration – within the Kingdom of Denmark and Internationally.

www.isaaffik.org

Registered users: > 750 Infrastructures: > 650

National partners: Aarhus Universitet (AU), Danmarks
Meteorologiske Institut (DMI), Danmark Tekniske
Universitet (DTU), Nationale Geologisk Undersøgelser
(GEUS), Grønlands Naturinstitut (GN), Københavns
Universitet (KU), Uddannelses- og Forskningsministeriet
(UFM), Syddansk Universitet (SDU), Arktisk Kommando
(AKO), Ilisimatusarfik - Grønlands Universitet (GU),
Nationalmuseet (Danmark) (ND), Grønlands Selvstyre
(GS), International Arctic Hub (IAH)

International partners: Centre for Earth Observation Sciences - Canada (CEOS), UiT Norges arktiske universitet - Norge (UIT), National Science Foundation -USA (NSF), Alfred Wegener Institute - Tyskland (AWI)



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