

Category	Sub-Category	Zackenberg Research Station
Website		www.zackenberg.dk, www.g-e-m.dk
Country		Greenland/Denmark
Opening year		1995
Operational period		(March-April), May-October
Permitting issues categories	Permits required for access to the station Permits required for studies Contact (permit issues)	Yes Yes zackenberg@dmu.dk
Facility owner and manager	Name of the facility owner Owner status Institution responsible for managing the station Contact (access to station) Website (institution)	Asiaq, Government of Greenland Government Department of Bioscience, Aarhus University zackenberg@dmu.dk www.au.dk
Other institutions	Name Country	– –
Location	Geographical coordinates Altitude of station Min. altitude within study area Max. altitude within study area Nearest town/settlement Distance to nearest town/settlement Map	74°28'07" N, 20°34'00" W (substation Daneborg: 74°18'00" N, 20°13'34" W) 38 m a.s.l. 0 m a.s.l. 1492 m a.s.l. Ittoqqortoormiit (503 inhabitants) 450 km Map 1:250 000, aerial image, satellite image, Google Earth with low resolution
Climate	Climate zone Permafrost Years measured Mean annual temperature Mean temperature in February Mean temperature in July Mean annual wind speed Max. wind speed Dominant wind direction Total annual precipitation Precipitation type Ice break up	High Arctic Continuous – -9.2 °C -19.4 °C 6.1 °C 2.8 m/s (2 m above terrain), 3.4 m/s (7.5 m above terrain) 29.6 m/s NNW 200 mm Snow, rain Lake: May/June (date of 50% ice cover); River: May/June; Sea: July
Station facilities	Area under roof Scientific laboratories Logistic Number of rooms (beds) Number of staff on station (peak/off season) Max. number of visitors at a time Showers Laundry facilities Power supply (type) Power supply	650 m ² at Zackenberg, 290 m ² at Daneborg 40 m ² at Zackenberg, 50 m ² at Daneborg 150 m ² at Zackenberg, 120 m ² at Daneborg Zackenberg: 15 rooms for accomodation (24 beds), 5 laboratories, 1 living room, 1 cantine; 10 beds at Daneborg 4/1-3 18 at Zackenberg, 10 at Daneborg Yes Yes Fossil fuel generator (400 V/230 V, 50 hz AC power. DIN standard) 24 hours per day
Scientific equipment	Specific device Scientific services offered	Advanced climate stations, differential GPS, basic laboratory equipment, different surveying equipment, microscopes Free technical support, free access to extensive ecosystem baseline data
Medical facilities	Medical facilities Medical suite No. of staff with basic medical training or doctor Distance to hospital (estimated time) Compulsory safety equipment Recommended safety equipment	Standard (well equipped first aid kit) – 1-2 1000 km (5 hours) Different weapons, VHF radio, PLB First aid kit
Landing facilities	Airstrip (Length × Width) Airstrip surface Helipad Ship landing facilities	380 × 20 m Gravel Yes –
Vehicles at station	Sea transportation Land transportation	Different types of rubberboats ATV, snowmobiles
Transport and freight	Transport to station Number of ship visits per year (period) Number of flight visits per year (period)	Persons: by air; Cargo: by air and sea 1 (August) 20 (May-October)





Features within study area

Yes
 No

- Ice cap or glacier
- Permanent snowpatches
- Mountain
- Valley
- Shoreline
- Tundra
- Tree line
- Other (Size of drainage basin: 514 km², ice cap 30 km away from station)

Main science disciplines

- Anthropology, Sociology, Archaeology
- Astrophysics
- Atmospheric chemistry and physics
- Isotopic chemistry
- Climatology, Climate Change
- Environmental sciences, Pollution
- Geodesy
- Geology, Sedimentology
- Geophysics
- Glaciology
- Geocryology, Geomorphology
- Soil science
- Human biology, Medicine
- Mapping, GIS
- Marine biology
- Oceanography, Fishery
- Microbiology
- Hydrology
- Terrestrial biology, Ecology
- Paleolimnology
- Paleocology
- Limnology

Workshop facilities

- Metal workshop
- Wood workshop
- Plexiglas workshop
- Staff available to assist with constructions

Communication

- Telephone
- Satellite phone
- VHF
- E-mail
- Internet
- Computer
- Printer
- Scanner
- Fax

