

Yes
 No



STATION NAME AND OWNER

The Netherlands' Arctic Station is owned Centre of the University of Groningen.

LOCATION

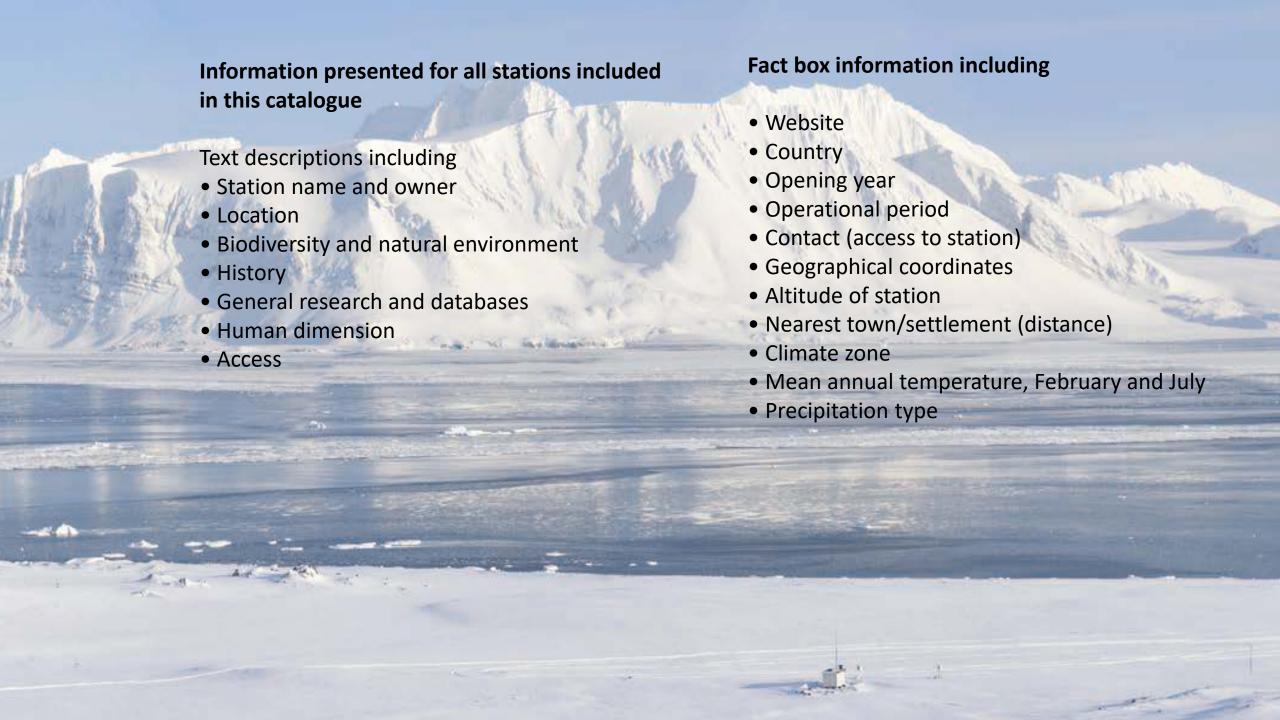
The Netherlands' Arctic Station is situate the island of Spitsbergen and is part of a community in the former mining town o In this town, more than 10 nations have using shared facilities for meals and recre community is focussed on science and n ture. Several stations have independent grammes and the Netherlands' Arctic Sta

BIODIVERSITY AND NATURAL ENV

Kongsfjorden is a beautiful high arctic e glaciers terminating in the fjord. The rais sparsely vegetated with dense moss cov lakes and below bird diffs. Locally there human activity by trappers and from co whole area is well-protected and a speci

| Category Sub-Category Netherlands' Arctic Station | |
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| Country Operational period Permitting issues categories Permits required for access to the station Permitting issues categories Permits required for studies Contact (permit issues) Parmits required for studies Contact (permit issues) Permits required for studies Contact (permit issues) Permits required for studies Contact (permit issues) Private University of Groningen, Arctic Centre Private University of Groningen, Arctic Centre University of Groningen, Arctic Centre University of Groningen, Arctic Centre Injical conerngungin Institutions Other institutions Name Country Continuous Country Co | |
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| Permits required for studies Contact (permit issues) Name of the facility owner Owner status Institution responsible for managing the station Contact (access to station) Website (institution) Other institutions Name Country Location Geographical coordinates Alitude of station Min. alitude within study area Max. alitude within study area Max. alitude within study area Max memperature in february Mean annual temperature Mean temperature in february Mean emparature in february Mean emparature in february Mean annual wind speed Deminant wind direction Total annual precipitation Precipitation type Le break up Lakes: May/June; Sea: May Station facilities Area under roof 114 m² Versure Virversity of Groningen, Arctic Centre Private University of Groningen, Arctic Centre ma, juicloonen@ugnl www.varugnl/arcticcentre mi, juicloonen@ugnl mi, alitude cfation mi, juicloonen@ugnl mi, juicloonen | |
| Owner status Institution responsible for managing the station Unstitution responsible for managing the station of Contact (access to station) Website (institution) Website (ins | |
| Country - 78°55'N, 11°56'E Altitude of station 10 m a.s.l. 0m a.s.l. 10 m a.s.l. | |
| Altitude of station Min. altitude within study area Max. altitude within study area Max. altitude within study area Nearest town/settlement Distance to nearest town/settlement Longyearbyen (2116 inhabitants) 115 km 1100 000 Climate Climate zone Permafrost Continuous Years measured Mean annual temperature Mean temperature in February Mean temperature in July Mean annual wind speed Max. wind speed Jominant wind direction Total annual precipitation Precipitation type Lee break up Lakes: May/June; Sea: May Station facilities Area under roof 114 m² Station facilities | |
| Permafrost | |
| | |
| Logistic 16 m² Number of rooms (beds) 6 rooms (8 beds) Number of staff on station (peak/off season) 1/0 Max. number of visitors at a time 7 Showers - Laundry facilities - Power supply (type) 220V Power supply | |
| Scientific equipment Specific device Very basic, blood sampling Scientific services offered – | |
| Medical facilities Medical facilities Basic — — — — — — — — — — — — — — — — — — — | |
| Landing facilities Airstrip (Length x Width) 800 x 50 m Airstrip surface Gravel Helipad Yes Ship landing facilities Port, landing wharf, pier, pontoon | |
| Vehicles at station Sea transportation Aluminium small boats Land transportation Bicycle | |
| Transport and freight Transport to station Plane Number of ship visits per year (period) Freight once per summer month, tourist cruiss November) Number of flight visits per year (period) 2 per week all year (year-round) | eships daily (May to |







Facilities removed

NAME AND OWNER

Centre of the University or Gronn

LOCATION

The Netherlands' Arctic Station is situated in Kongsfjorden on the island of Spitsbergen and is part of an international research community in the former mining town of Ny-Âlesund, Svalbard. In this town, more than 10 nations have their own station while using shared facilities for meals and recreation. Several stations have independent terrestrial research programmes and the Netherlands' Arctic Station is the smallest of all.

BIODIVERSITY AND NATUR

Kongsfjorden in the ford. The raised beach terraces are updated with dense moss cover around small tundra lakes and below bird diffs Locally there are dear traces of former human activity by trappers and from coal mining. At present, the whole area is well-protected and a special permission is needed to enter the islands during the bird breeding season. In 1978,

reindeer was re-introduced and since 1982 barnacle geese have established a colony and are regularly feeding between the houses. Both herbivores have a clear impact on the vegetation.

HISTORY

From 1916 to 1968, the village of Ny-Ålesund was a coal mining settlement. This village has now developed into a unique mix of stations, laboratories, and research infrast ucture. The small international community of 75

MAL RESEARCH AND DATABASES

Research focusses on the role of barnade geese in the arctic ecosystem. Nutrient cycles, plant productivity, and vegetation patterns are studied to understand plant-herbivore interactions. Behaviour, timing, and breeding success of individually ringed geese are observed over their lifetime, and the effect of predators is studied as a dynamic interaction. Population trends of plants, herbivores, and predators are monitored in a warming environment. Long term experiments include grazing exclosures and greenhouses on paired vegetation plots. There are also

projects focussing on the history of human exploitation and the effect of tourism on cultural heritage.

HUMAN DIMENSION

The local community in Ny-Alesund is a mixture of nationalities from the various stations. The area is owned by a company called Kings Bay, taking care of the logistics for the entire village. There are no indigenous people and most inhabitants originate from the Norwegian mainland and live on Svalbard only because of their temporal job assignment. Tourism, local administration, science, and coal mining are the most important sources of income.

ACCESS

Throughout the year, Kings Bay organises two flights per week with a small plane (14 passengers) between Longyearbyen and Nv-Ålesund.

| Netherlands' Research Station | |
|-------------------------------|--|
| Website | |

| Country | Svalbard/The Netherlands |
|---|--|
| Opening year | 1995 |
| Operational period | June-August |
| Contact (access to station) | m.j.j.e.loonen@rug.nl |
| Geographical coordinates | 78°55'N, 11°56'E |
| Altitude of station | 5 m a.s.l. |
| Nearest town/settlement | Longyearbyen (100 km)/ Ny-Alesund (0 km) |
| Climate zone | High Arctic |
| Mean temperature: Annual (Feb., Jul.) 2018/2019: | -6.3 °C (-14.6 °C, 4.9 °C) -2.8 °C (-11.2 °C, 7.4 °C) |

Total annual precipitation (type) 385 mm (rain-snow) 2018/2019: 530 mm







www.arcticstation.nl

Human dimension shorter



Online version INTERACT GIS https://interact-gis.stage.its.umu.se/

The online edition of the INTERACT Station catalogue includes full text descriptions and all facts about the station, its facilities, monitoring efforts and natural environment (incl. features in the study area, main science disciplines)

- The online version of the catalogue allows station managers themselves to edit the information about their station.
- The information will be updated regularly and thus always function as an up-to-date inspirational tool for scientists looking for the most appropriate station/ stations for planning and designing proposed research or monitoring activities.