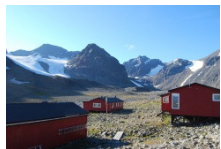
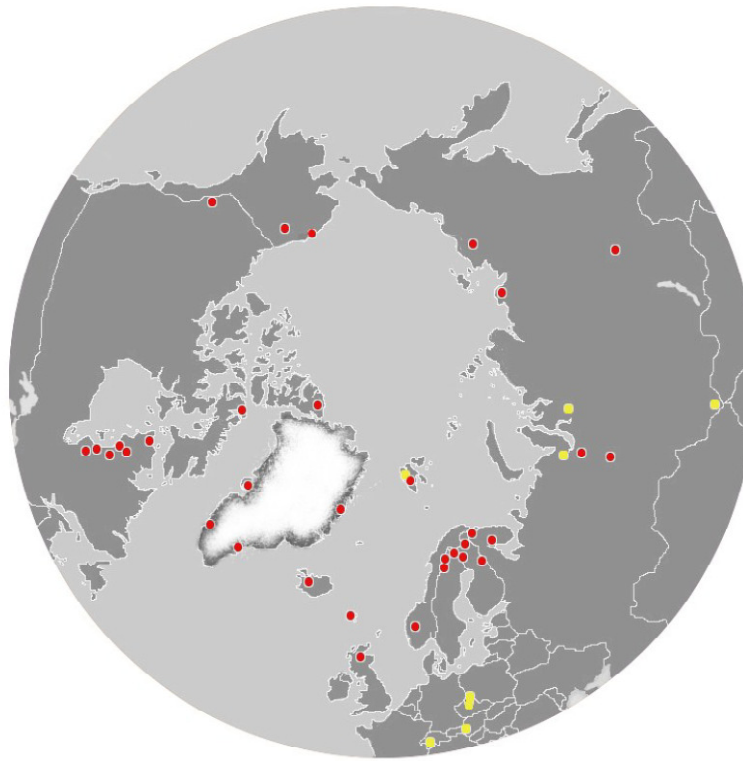




International Network for Terrestrial Research and Monitoring in the Arctic

www.eu-interact.org



By Elmer Topp-Jørgensen
Aarhus University, Denmark

FARO meeting
21 April 2012, Montreal, Canada

INTERACT at a glance



INTERACT is a project of SCANNET



Four years funding of INTERACT (2011-2014) under EU's I3 Infrastructure Programme



32 Partners from 14 countries

43 Infrastructures from 18 countries



About INTERACT



One-stop shop to a network of 43 terrestrial field stations

Building capacity for research and monitoring in the Arctic

- identifying, understanding, predicting and responding to diverse environmental changes throughout the wide environmental and land-use envelopes of the Arctic.

INTERACT partners hosts and participate in international initiatives related to terrestrial monitoring and research

- e.g. IASC, ISAC, SAON, CBMP, AMAP, GLORIA, IPA/CALM, ITEX, LifeWatch, ICOS and SIOS.



INTERACT

– work package deliverables



INTERACT includes eight work packages:

Coordinating activities

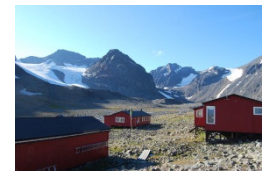
- WP1 Management and Co-ordination
- WP2 Networking activity: Station Managers Forum
- WP3 Networking activity: International co-operation
- WP8 Interactions with stakeholders including outreach

Transnational Access activities

- WP4 Transnational Access (1,8 mio. EURO).
Total of 10.433 days in four years, at 18 stations

Joint Research Activities

- WP5 Joint Research Activity: Virtual instrumentation
- WP6 Joint Research Activity: Up-grading, extending and integrating measurements of feedback mechanisms from terrestrial environments in a changing climate
- WP7 Joint Research Activity : Data Management



INTERACT report deliverables

- examples



INTERACT station catalogue



Best practices of station management and administration



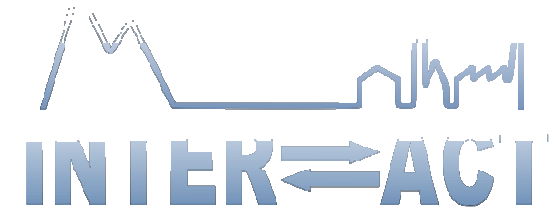
Research and monitoring at INTERACT stations




INTERACT's role in international collaborations



INTERACT Station catalogue






GREENLAND INSTITUTE OF NATURAL RESOURCES

STATION NAME AND OWNER
Greenland Institute of Natural Resources is owned by the Government of Greenland.

LOCATION
The Greenland Institute of Natural Resources (GINR) with its main buildings, laboratories, offices, and storage facilities is located in Nuuk, Greenland (64°11'N, 20°52'W). Additional facilities include field stations in Kobbefjord, Nuuk (64°08'N, 20°02'W) and Narsarsuaq, Uummannaq (70°47'N, 23°00'W).

BIODIVERSITY AND NATURAL ENVIRONMENT
Nuuk and the Kobbefjord field station are situated in low arctic ecosystems in West Greenland. The area includes biotopes such as dwarf-shrub heath, tundra, and lakes. The ecosystem is at the border between Low and High Arctic. A variety of parameters on vegetation, soil, and climate (both terrestrial and marine) are monitored over the years. The marine environment has been studied for many years.



Example from catalogue

HUMAN DIMENSION
GINR is located in Nuuk, the capital of Greenland, with ca. 16 000 inhabitants. The Narsarsuaq field station is located in a small settlement to Uummannaq in North Greenland. GINR communicates with users of the station (e.g. politicians) and provides advice (e.g. politicians). Users provide extensive knowledge of the area, which is used in planning and implementation. Fishing and hunting is part of the local culture and practised professionally and recreationally.

Access
via Kangerlussuaq, West Greenland, or via Reykjavik, Iceland. The field station in Kobbefjord is reached by motor boats carrying up to 12 people. It can be reached twice a week.

Text descriptions

Location

Biodiversity and natural environment

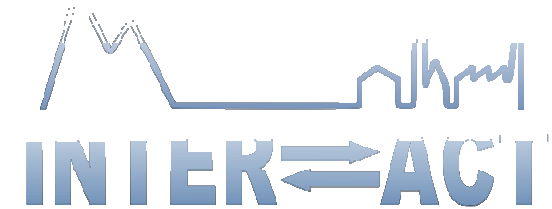
History and facilities

General research and databases

Human dimension

Access

INTERACT Station catalogue



Category	Sub-Category	Greenland Institute of Natural Resources (GINR) with field stations in Kobbefjord (KB) and Nuuk (NQ)
Website		www.natur.gl, www.nuuk-bast.dk
Country		Greenland
Opening year		GINR 1998 (KB 2010, NQ 2007)
Operational period		Year-round (KB: May-September)
Permitting issues categories	Permits required for access to the station Permits required for studies Contact (permit issues)	- - -
Facility owner and manager	Name of the facility owner Owner status Institution responsible to run the station Contact (access to station) Website (institution)	Greenland Institute of Natural Resources Government Greenland Institute of Natural Resources info@natur.gl, booking@natur.gl www.natur.gl
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 settlement Map	64°11'00"N, 51°41'00"W (KB: 64°08'00"N, 51°23'00"W; NQ: 70°47'00"N, 53°40'00"W) 50 m asl (KB: 5 m asl, NQ: 30 m asl) 0 m asl 1600 m asl Nuuk (16,000 inhabitants); NQ: Uummannaq (60 inhabitants) and Ilulissat (200 inhabitants) Nuuk: 0 km (KB: 20 km, NQ: 60 and 200 km) Map: 1:75,000, aerial image, satellite image, Google Earth

Fact sheet

Ownership

Access

Location

Climate

Science

Facilities

Features within the study area

- ☒ Ice cap
- ☐ Permanent snowpatches
- ☒ Mountain
- ☒ Valley
- ☒ Shoreline
- ☒ Tundra
- ☐ Tree line
- ☐ Other

Main science disciplines

- ☒ Anthropology, sociology, archaeology
- ☐ Astrophysics
- ☐ Atmospheric chemistry and physics
- ☒ Isotopic chemistry
- ☒ Climatology, climate change
- ☐ Environmental sciences - pollution
- ☒ Geodesy
- ☒ Geology and sedimentology
- ☐ Geophysics
- ☐ Glaciology
- ☐ Geoecology and geomorphology
- ☐ Soil science
- ☒ Human biology medicine
- ☒ Mapping - GIS
- ☒ Marine biology
- ☒ Oceanography and fishery
- ☒ Microbiology
- ☒ Hydrology
- ☒ Terrestrial biology, ecology
- ☒ Palaeolimnology
- ☐ Palaeoecology
- ☒ Limnology

Workshop facilities

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

Communication

- ☒ Telephone
- ☒ Satellite phone
- ☒ WiFi
- ☒ E-mail
- ☒ Internet
- ☒ Computer
- ☒ Printer
- ☒ Scanner
- ☒ Fax

Best practice of station management and administration



Report describing key considerations for selected management themes

- themes identified by station managers

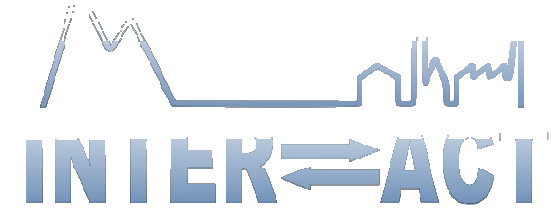
Report will include:

- index
- introduction of specific themes and sub-themes
(e.g. management plans and check lists, policies, handling of visitors, health and safety, permitting issues, science programme, outreach, education and knowledge sharing)
- key points to be considered for specific themes, and
- examples of good practices from INTERACT stations

Deadline March 2013



Research and monitoring at INTERACT stations



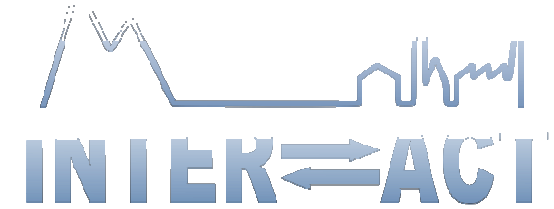
The report will include:

- a) gathering of historic information on research and monitoring projects carried out at INTERACT stations
- b) list of parameters monitored at individual INTERACT stations
- c) description of best practices for selected parameters

Deadline March 2014



INTERACT's role in international collaborations



Report describing:

- what INTERACT can offer in relation to international collaboration
- INTERACT's relationship with existing and projected international projects, programmes and networks

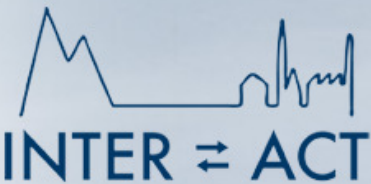
Deadline 2012



Station Managers' Forum



Dialogue Forum





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Q



INTERACT HOME | ABOUT INTERACT | FIELD SITES | JOINT RESEARCH ACTIVITIES | **STATION MANAGERS' FORUM** | TRANSNATIONAL ACCESS | OUTREACH

■ STATION MANAGERS' FORUM

MEETINGS

REPORT DELIVERABLES

DIALOGUE FORUM

■ INTERACT SMF DIALOGUE FORUM

EQUIPMENT MARKETPLACE

INTERACT SMF Dialogue Forum

Contact details

Name *

Station/organisation *

Country*

Contact address (e-mail)*

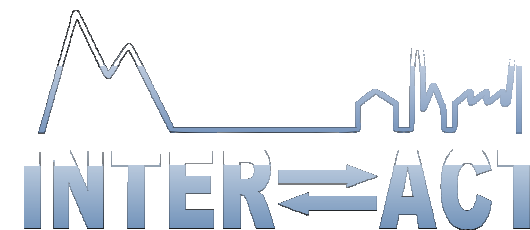
Ask advice or share information
Question / information *

Upload file



Station Managers' Forum

Equipment marketplace





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DIALOGUE FORUM

EQUIPMENT MARKETPLACE

■ INTERACT EQUIPMENT MARKETPLACE

INTERACT Equipment Marketplace

Equipment: free, for sale or wanted
Free, for sale or wanted*

☐ Free
☐ For sale
☐ Wanted

Contact details
Name*

Station*

Country *

E-mail address *

Equipment
Type of equipment (describe and provide specifications)*

Condition*

☐ New
☐ Perfect condition
☐ Good condition
☐ Not working (need repair or can be used for spareparts)

Following is included in price

☐ Manual
☐ Spareparts



Thank you for your attention !

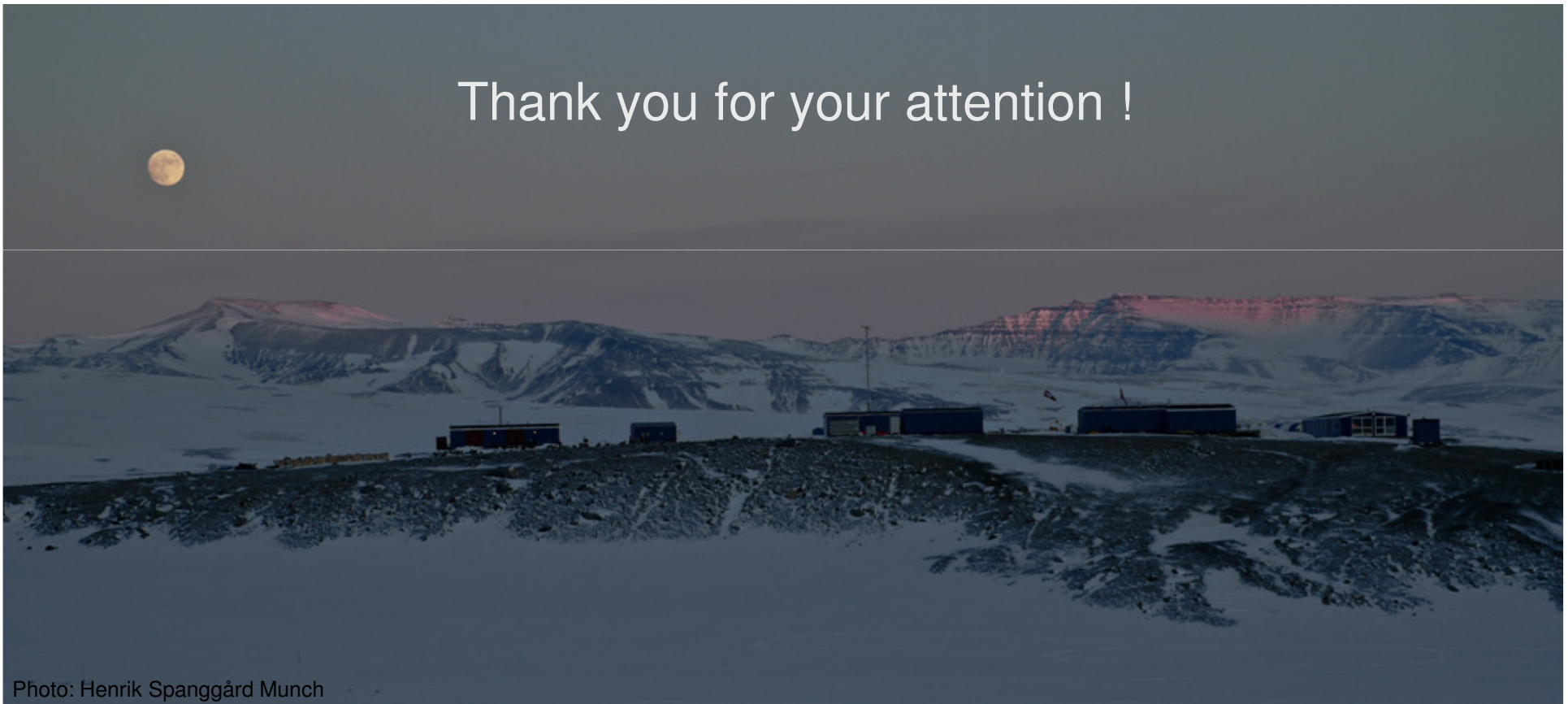


Photo: Henrik Spanggård Munch