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# Achievements of SMF in INTERACT II

INTERACT II, SMF 7

[www.eu-interact.org](http://www.eu-interact.org)



# Newest book release – Images of Arctic Science



Based on pictures from the INTERACT Photo Competition 2020 (we received c. 800 pictures from c. 100 photographers).

Includes 107 pictures by 50 photographers in nine thematic chapters and 182 pages.

**Editors:** Carsten Egevang, Elmer Topp-Jørgensen and Morten Rasch.

**First edition:** 1,500 copies. Available as pdf on [www.eu-interact.org](http://www.eu-interact.org).



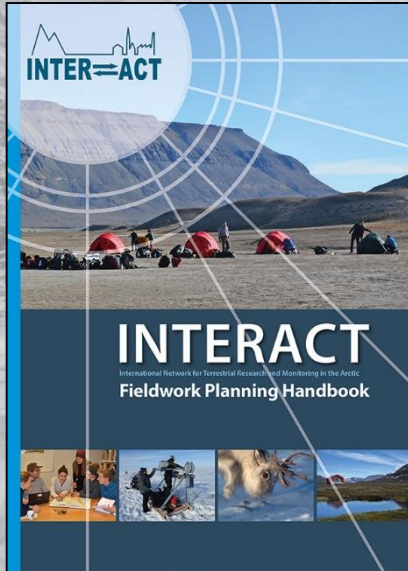


# Station Managers' Forum in INTERACT II in numbers

- Partners: 42
- Stations: 88
- Workpackages: 6
- Station Manager Fora: 7
- Deliverables: 16
- Milestones: 15
- Books published or to be published soon: 6
- Card games: 1 (in 3 editions)
- Several bonus products



# Fieldwork Planning Handbook and Practical Field Guide

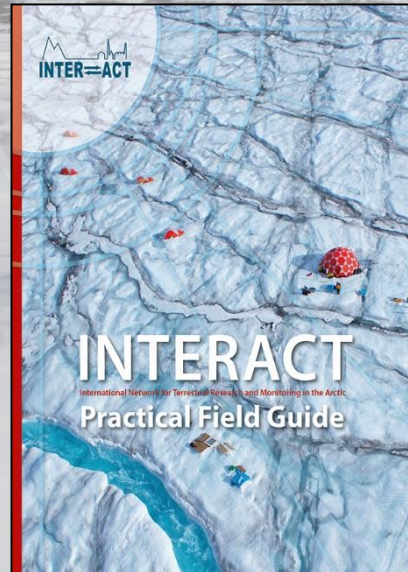


## Fieldwork Planning Handbook

Produced in cooperation between Association of Polar Early Career Scientists (APECS) and INTERACT

**Input:** All Station Managers in INTERACT

**Lead authors:** Fiona Tummon and Andrea Schneider



## Practical Field Guide

Produced in cooperation between Association of Polar Early Career Scientists (APECS) and INTERACT

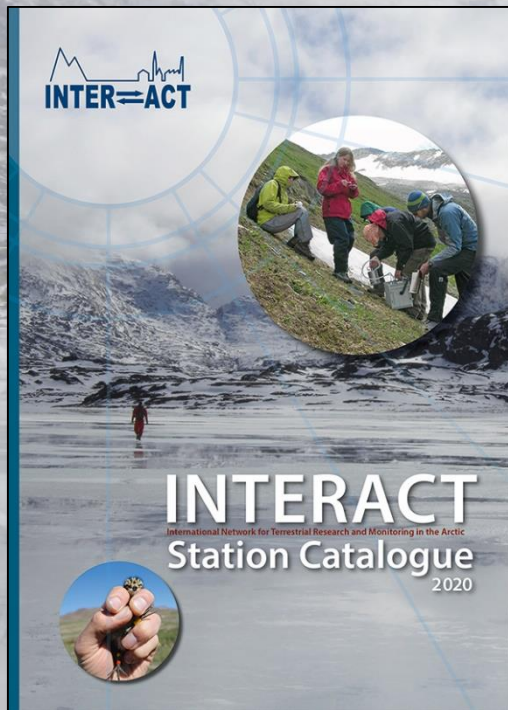
**Input:** All Station Managers in INTERACT

**Authors:** Fiona Tummon, Andrea Schneider and Morten Rasch





# INTERACT Station Catalogue 2020



## INTERACT Card Game



### UK ARCTIC RESEARCH STATION

**STATION NAME AND OWNER**  
The Natural Environment Research Council (NERC), UK, has funded the UK Arctic Research Station which is managed by the British Antarctic Survey.

**LOCATION**  
Ny-Ålesund is situated on the southern shore of Kongøya on the west coast of Spitzbergen, the largest island in the Svalbard archipelago.

**BIODIVERSITY AND NATURAL ENVIRONMENT**  
Due to the influence of the North Atlantic Current, the climate on the west coast of Spitzbergen is milder than any other locations at that latitude. The southern side of Kongøya, on which Ny-Ålesund is situated, has 50 km<sup>2</sup> of tundra and alpine plants. Glaciers and ice confine a plant protection area at the head of the fjord. Numerous glaciers of various types occur in the area. Most bird species found in Svalbard are represented in the area with barnacle geese, eiders, auks, terns, and kittiwakes nesting in large numbers. Land mammals include reindeer, fox, and the occasional polar bear. The land fauna is home to ringed, bearded and common seals, walrus, and beluga.

**HISTORY**  
The UK has maintained a research station at Ny-Ålesund continuously since 1970. The NERC Arctic Research Station opened in 1991.

**GENERAL RESEARCH AND DATABASES**  
The location is particularly suitable for ecological research, glacial/pedological geomorphology, hydrology, and atmospheric chemistry.

**HUMAN DIMENSION**  
In 1991, Ny-Ålesund and the surrounding environment were designated as an area solely for scientific research. There are now 14 research stations owned by 10 nations. The Kings Bay Company provides a service infrastructure including air and sea link, power, water, buildings, and a dining facility. During the summer months, June to September, the population in Ny-Ålesund reaches 150 persons. During the winter month it decreases to c. 25 persons.

**ACCESS**  
In 1991, Ny-Ålesund and the surrounding environment were designated as an area solely for scientific research. There are now 14 research stations owned by 10 nations. The Kings Bay Company provides a service infrastructure including air and sea link, power, water, buildings, and a dining facility.

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**Number of stations: 87**

**New layout: Only two pages per station**

**Input: All Station Managers in INTERACT**

**Editors: Marie Frost Arndal and Elmer Topp-Jørgensen**



# Reducing environmental impact

Project No. 73058  
D3.11 - INTERACT Report on Reducing Environmental Impacts at Arctic and Northern Alpine Research Stations

**INTER=ACT**

Integrating Activities for Advanced Communities

**INTER=ACT**

**D3.11- INTERACT Report on Reducing Environmental Impacts at Arctic and Northern Alpine Research Stations**

Project No. 73058 - INTERACT  
H2020-INFRAIA-2016-2017/H2020-INFRAIA-2016-1

Start date of project: 2016/10/01      Duration: 48 months  
Due date of deliverable: 2019/03/31      Actual Submission date: 2019/06/12

Lead partner for deliverable: IFF  
Author: Nighat Johnson-Amin

Dissemination Level		
PU	Public	X
PP	Restricted to other programme participants (including the Commission Services)	
RE	Restricted to a group specified by the Consortium (including the Commission Services)	
CD	Confidential, only for members of the Consortium (including the Commission Services)	

Document ID: D3.11\_2019.docx      © INTERACT consortium  
Date: 20190812      Public      Page 1 of 81



## Two new handbooks in press:


Fendrup Lønstrup, L., Rasch, M., Topp-Jørgensen, E., Amin, N. and Frost Arndal, M. 2020: Reducing the Environmental Impact of Arctic Research Stations.

Fendrup Lønstrup, L., Rasch, M., Topp-Jørgensen, E., Amin, N. and Frost Arndal, M. 2020: Reducing the Environmental Impact of scientists working in The Cold North.




# Station management relevant courses

Project No. 730938  
D3.7: Training material and guidelines for four station management relevant courses



**Integrating Activities for Advanced Communities**



**D3.7: Training material and guidelines for four station management relevant courses**

Project No. 730938—INTERACT  
H2020-INFRAIA-2016-2017/H2020-INFRAIA-2016-1

Start date of project: 2016/10/01      Duration: 48 months  
Due date of deliverable: 2020/06/30 (Mx)      Actual Submission date: 2020/09/04

Lead partner for deliverable: AU  
Author: Elmer Toppi-Ieigensen

Dissemination Level		
PU	Public	X
PP	Restricted to other programme participants (including the Commission Services)	
RE	Restricted to a group specified by the Consortium (including the Commission Services)	
CO	Confidential, only for members of the Consortium (including the Commission Services)	

Document ID: D3.7: Training material and guidelines for four station management relevant courses      © INTERACT consortium  
Date: 2020/09/04      Public      Page 1 of 4



# INTERACT GIS

Home - InteractGIS

interact-gis.org

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INTER=ACT GIS

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Stations Research Publications Application About

### Welcome to INTERACT GIS

INTERACT GIS provides information regarding approximately 95 terrestrial field-stations situated under arctic or sub-arctic conditions, whether in the Arctic proper or at high altitudes elsewhere in the northern hemisphere. INTERACT GIS basically provides two different types of web-based services, whereof one is openly providing information regarding stations and their associated landscape characteristics. Via the filtering functionalities offered by INTERACT GIS, a search for stations that fulfil multiple research, educational, and/or monitoring criteria is enabled. In addition, the sheer fun of examining Arctic field-stations is provided.

The second type of web-based service offered by INTERACT GIS requires an account that may be acquired under the above SIGN UP symbol. As an active arctic field-station, INTERACT GIS may be used for automated management of station visitors, activities, and publications. An accumulating record of station's activities is thereby captured, stored, and disseminated at real-time pace, providing decision support for collective planning of Arctic research, education, and/or monitoring activities.

With INTERACT GIS offering truly spatial on-line capabilities, like combining geo-referenced station's information with streamed map-services, it is per definition a web-based Geographic Information System. As an example, the collective record of research publications stored and disseminated with INTERACT GIS is geo-referenced via station activities onto visualisations that utilise streamed map-services.

INTERACT GIS is offered to field-stations affiliated with the INTERACT and SITES infrastructures, and all usage may be filtered with respect to organisational affiliation; please explore the above Organisations menu for accessing the filtering functionalities.

As part of its basic functionality, INTERACT GIS captures and processes personal data that fall within the framework of EU's General Data Protection Regulation (GDPR); please explore the above GDPR menu for further information.

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- New improved access application module and integration of station catalogue features and research and monitoring information. In future, research station can update station information themselves.
- Management organization established.



# Other achievements

- Forum for coordination across workpackages
- Exchange of best practices with other infrastructure projects/organisations.
- Internal exchange of assorted knowledge of relevance at 'Open Floor' sessions.
- Participation in a number of international fora and meetings as representatives for arctic infrastructures and logistics.
- Representation of INTERACT Station Manager Forum at a large number of international meetings.
- Liason with Forum of Arctic Research Operators (FARO), International Arctic Science Committee (IASC) and European Polar Board (EPB).
- Updated version of the 'INTERACT Research and Monitoring' report. Content will be published in one-two small guidebooks.
- New features on INTERACT website (360° INTERACT Street View and short station presentations).





It has been a pleasure to cooperate with you!

Let's **continue to INTERACT**

[www.eu-interact.org](http://www.eu-interact.org)

