

# INTERACT II

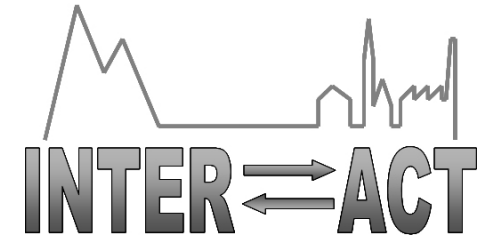


[www.eu-interact.org](http://www.eu-interact.org)



*Photo: CEN*

# About INTERACT



INTERACT is a network of 58 research infrastructures in the Arctic.

Interact supports international initiatives on terrestrial monitoring and research (e.g. SAON, CBMP, IASC, AMAP, IPA/CALM, ITEX and relevant ESFRI projects like LifeWatch, ICOS and SIOS).

The main objective of Interact is to build capacity for identifying, understanding, predicting and responding to diverse environmental changes throughout the wide environmental and land-use envelopes of the Arctic.

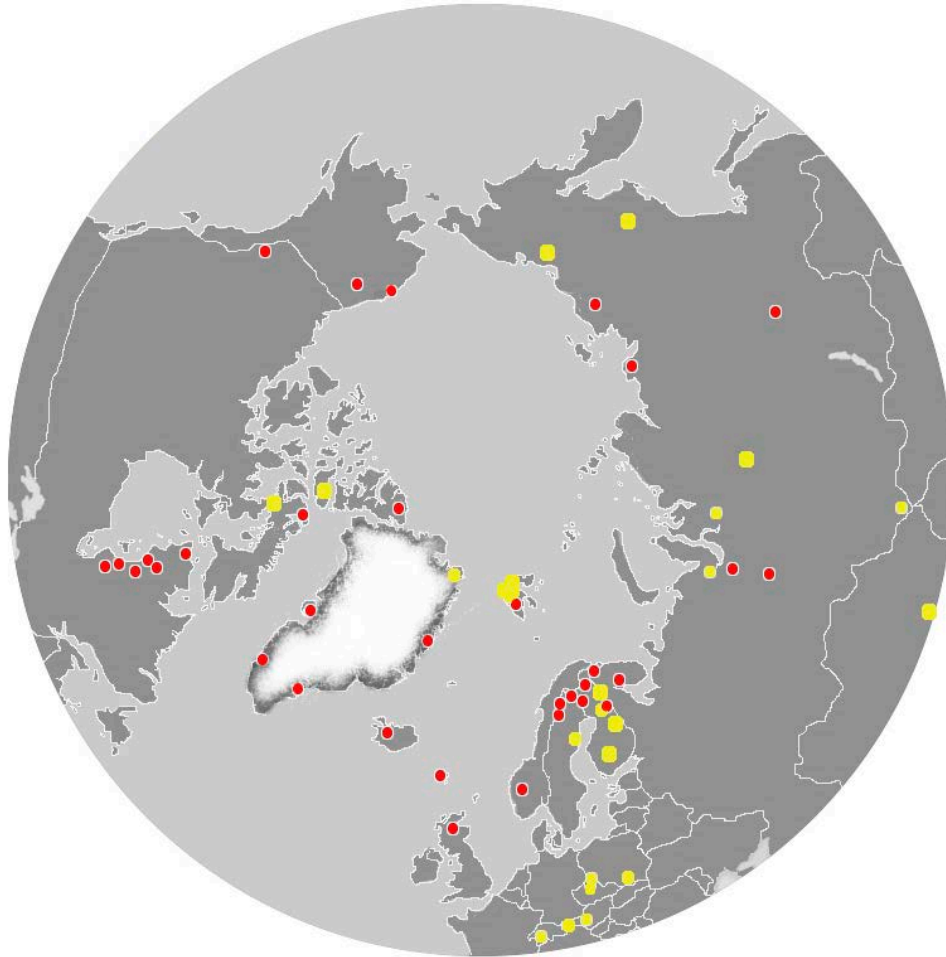
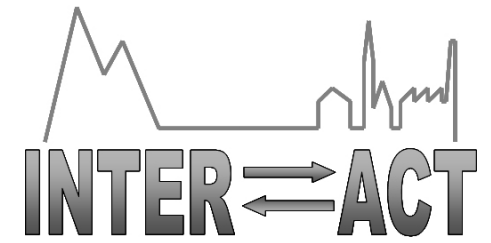
Interact is coordinated by Terry Callaghan.

The total funding for Interact is 7.6 mio. EURO

INTERACT is applying for an extension of the project for 2015-18.  
The chance of success is high

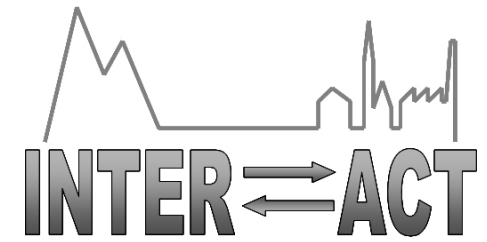


# Our stations



- Partner stations
- Observer stations with MoU's signed

# Roles of IASC, CBMP and INTERACT from our perspective



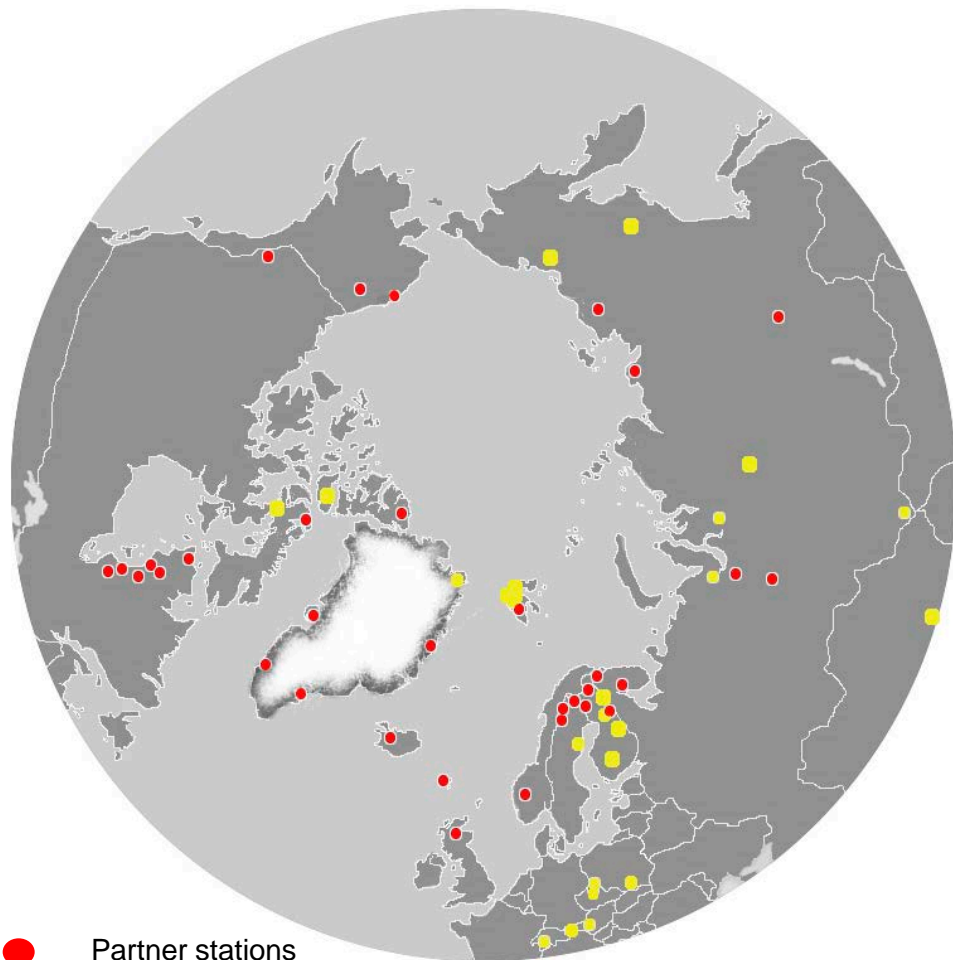
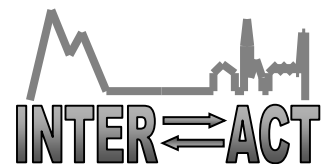
**IASC Terrestrial Group:** To produce a science strategy for arctic terrestrial research (incl. biodiversity)

**CBMP Terrestrial Group:** To establish an arctic biodiversity monitoring programme

**INTERACT:** To provide a major platform for a coordinated arctic terrestrial ecosystem monitoring (incl. biodiversity)



# Actors



## Station Managers – ca. 58

Current partners

“Old” Observer Stations”

New Observer Stations

## Coordinators

Overall Coordinator - Margareta Johansson

Science Coordinator - Terry V Callaghan

Core Group - Coordinators + Morten Rasch, Elmer Topp Jorgensen, Kirsi Latola, Hannele Savela

## Leaders and participants in JRA and Coordinating Activities

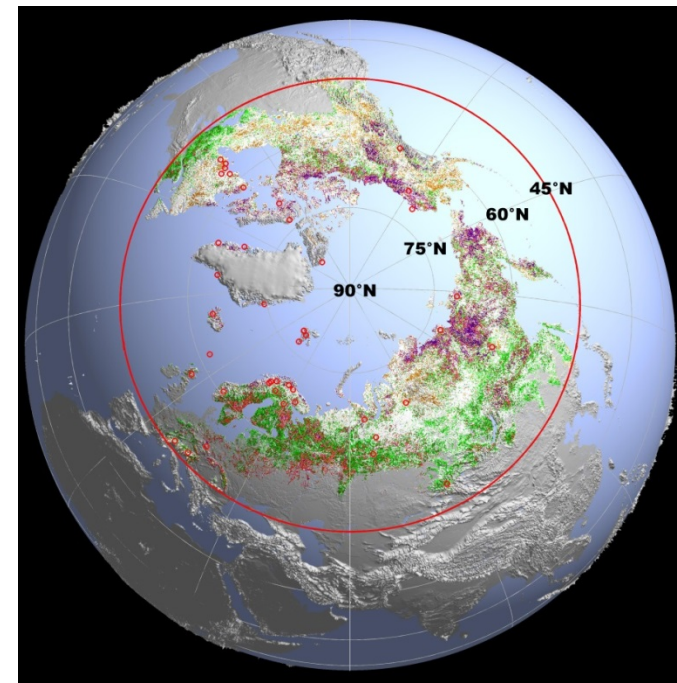
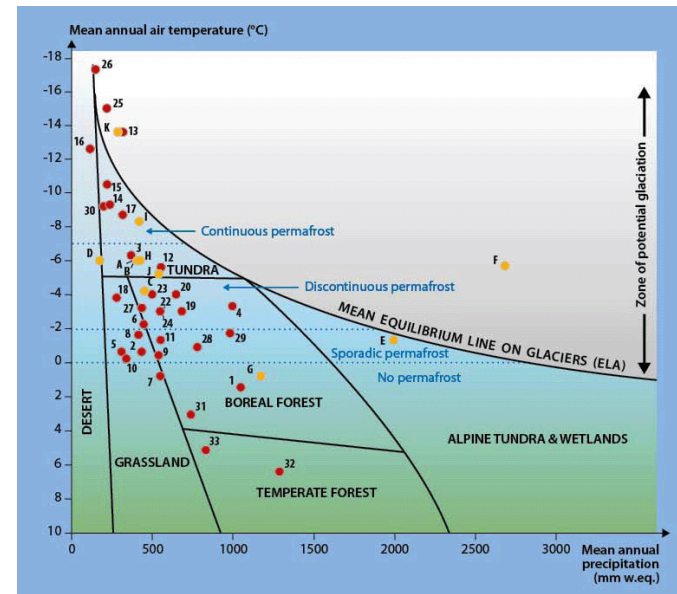
## Support Staff

## Partner and Observer Organisations

- Partner stations
- Observer stations with MoU's signed
-

# Visions:

- *Strategically sampling* the northern environmental envelope
- *Detecting* change
- *Building capacity* to understand, predict and respond to long-term change and events
- *Implementing* international research and monitoring agendas
- *Facilitating* rapid response to hazards
- *Representing* the North in global environmental initiatives



Trend in PAP Mean NDVI with Respect to 1982 (% per Decade)

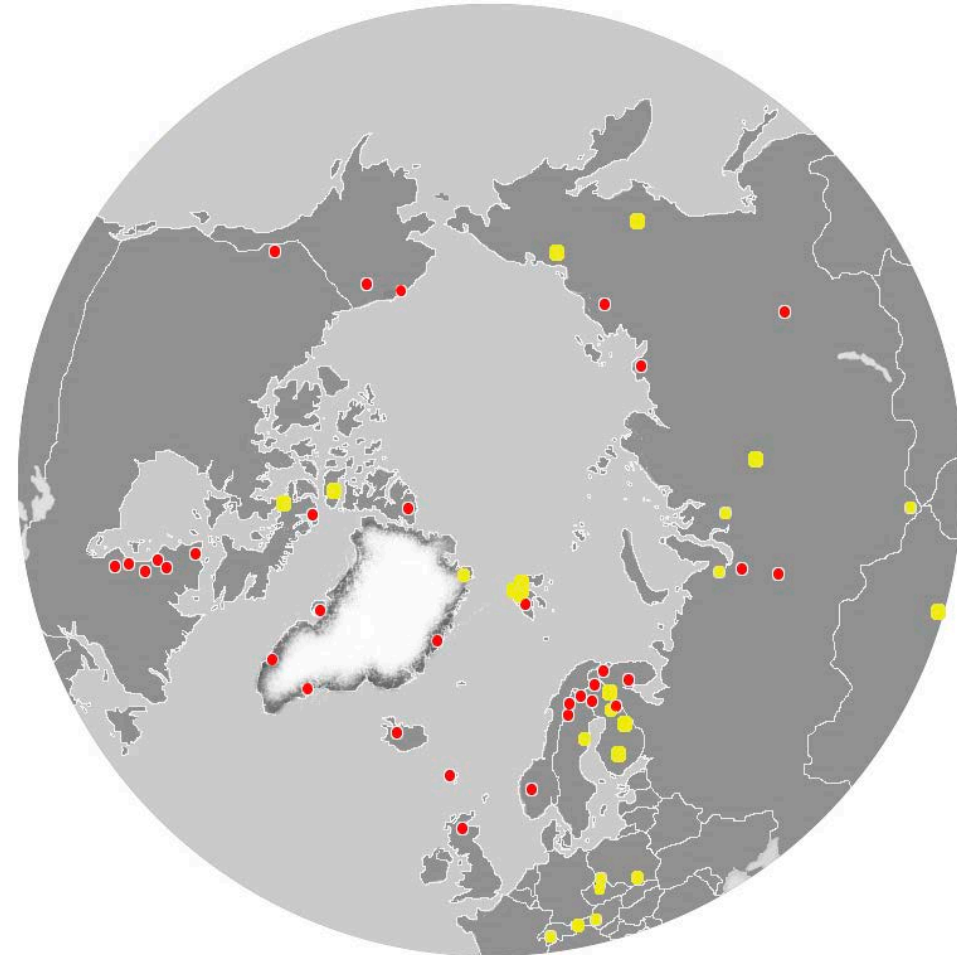


**Suggested structure so far:**  
few firm decisions have yet been made



## WP I Coordination

Overall Coordinator  
Science Coordinator  
Technical Support  
Core Group  
Support staff  
International Advisory Board



# Suggested structure so far



## WP 2 Station Managers Forum

WP Coordinator

WP Manager

Support Staff

Station Managers

Observer Organisations

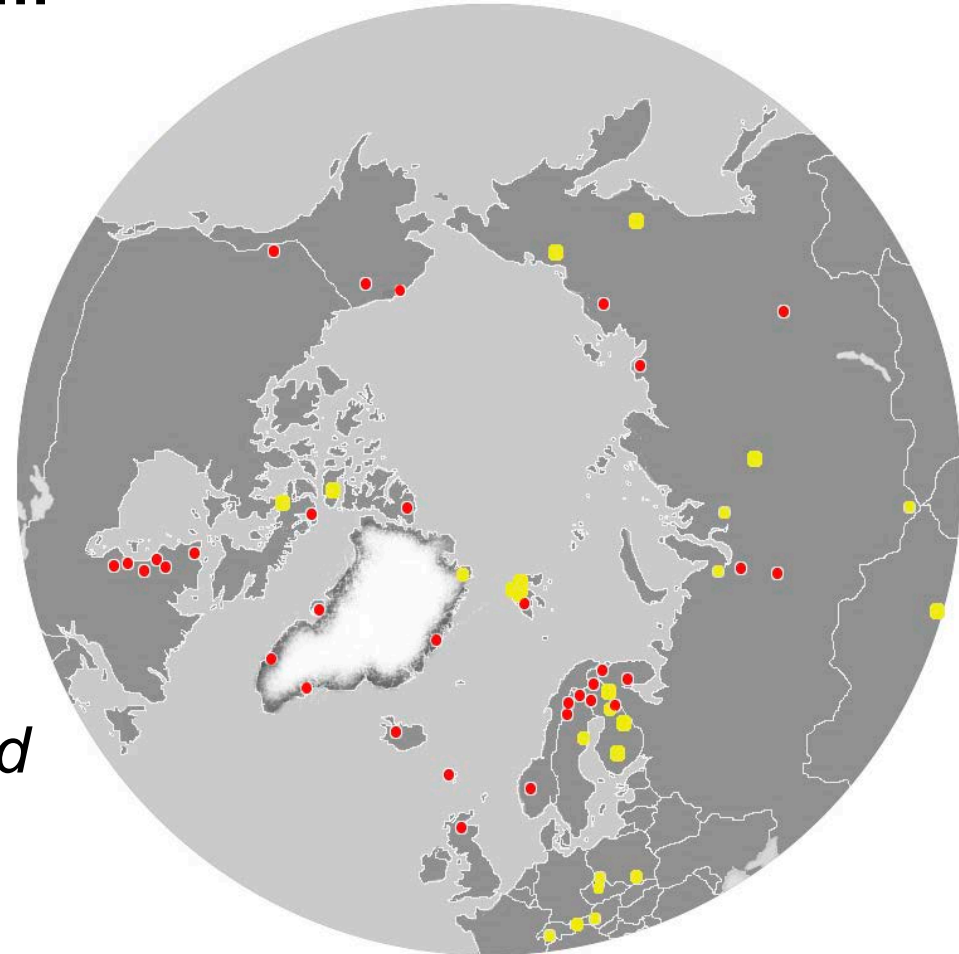
Innovations include

*Consolidation of stations*

*Implementation of research and monitoring agendas*

*Data Forum*

*Others?*





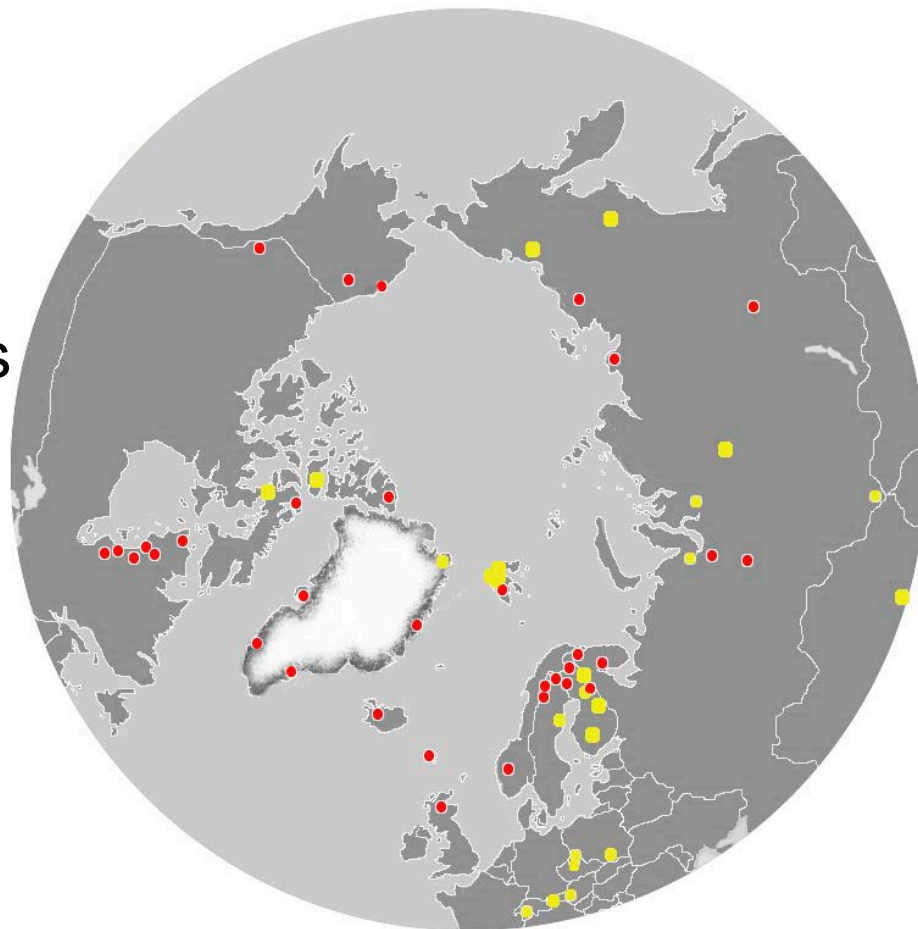
# Suggested structure so far



## WP 3 Transnational Access

WP Coordinator  
WP Manager  
TA Board  
Support Staff  
Station Managers offering access

Innovations include  
*Circum-Arctic physical access*  
*Remote and virtual access*  
*Implementation of research and monitoring agendas*  
*Building a TA Users Community*  
*Others?*



# Suggested structure so far



## WP 4 Science Coordination and Networking

WP Coordinator

INTERACT Coordinator

Representatives (internal) of relevant initiatives e.g. Geo/GEOSS, IASC

Support Staff

Innovations include

*Representing the Arctic in global initiatives*

*Representing the Terrestrial Research Station activities in Arctic initiatives*

*Linking terrestrial with atmospheric, marine and coastal activities*

*Implementation of research and monitoring agendas*

*Endorsement and support for individuals, stations, national and international programmes*

*Other?*

# Suggested structure so far



## WP 5 Red phone – rapid detection of hazards

WP Coordinator  
Station Managers  
Support Staff

Innovations include

*Developing a rapid response to hazards in the terrestrial domain*

*Linking Arctic terrestrial to Arctic Marine and Global initiatives*

*Identifying potential hazards (pollutants, diseases, invasive species, extreme weather etc)*

*Developing observation and sampling protocols*

*Identifying analytical facilities*

*Fixing permitting problems*

# Suggested structure so far



## WP 6 Back to the Future II

WP Coordinator Stations

WP Coordinator outside stations

Innovations include

*Implementing BTF II among stations and surrounding stakeholders (photos, data, plots)*

*Implementing BTF in the wider area (photos, expedition reports etc)*

*Other?*

# Suggested structure so far



## WP 7 From plot to region: scaling observations

WP Coordinator

CBMP

SME?

Support staff

Innovations suggested include

*Linking plot observations to area by aircraft*

*In-filling of areas between stations using drones*

*Linking station measurements to between station surveys (CBMP)*

*Validating remote sensing observations*

*Developing Nomadic observatories – people and equipment*

*Other?*

# Suggested structure so far



## WP 8 Facilitating adaptation

WP Coordinator  
Support staff

Innovations suggested include

*Identifying ecosystem services*

*Education*

*Dialogue with stakeholders*

*Other?*