



# INTERACT

Transnational access to research  
infrastructures in the Arctic



# Background

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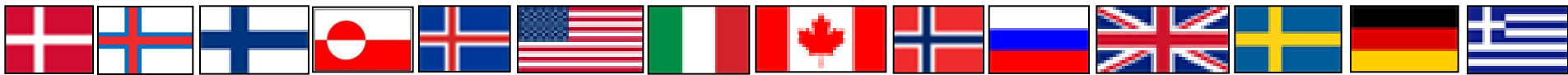


***INFRA-2010-1.1.19: Research Infrastructures for Polar research A project under this topic should aim at integrating the key research infrastructures for polar research: interdisciplinary observation and monitoring stations for atmospheric, terrestrial and/or marine studies.***

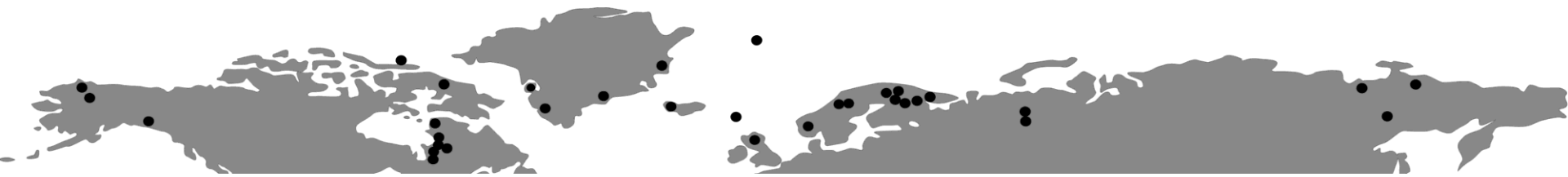
# Consortium

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41 Partners from 14 countries  
(including all Arctic countries)



28 Infrastructures from around the Arctic



# Work Packages

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WP1 Management and Coordination

WP2 Station Managers' Forum

WP3 International Cooperation

WP4 Trans-national Access

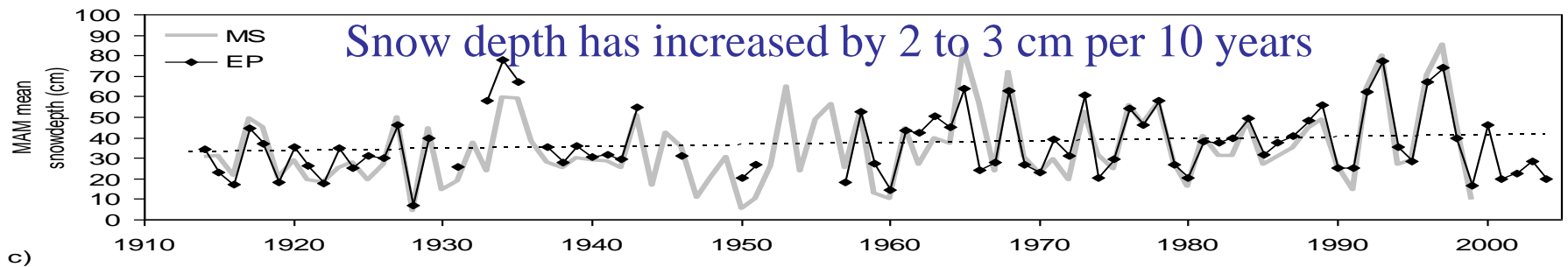
(28 infrastructures offering TA)

WP5 Virtual Instrumentation

WP6 Measurements of terrestrial  
biospheric feedbacks to climate

WP7 Data management

WP8 Outreach



Above: A multi-disciplinary team of researchers stops on a journey through Sami villages while Sami reindeer herders explain snow conditions and their relevance to the reindeer: "Snow and Ice Project" workshop, March 2006. Below: snow depth records from the Abisko Station. The dark line denotes measured snow depth (EP ) while the grey lines denotes modelled snow depth (MS) (From Kohler et al., 2006, Polar Research).

Visualisation, GIS, outreach

<b>Estimating local climate</b>	
Base line 1913-2011	Projected 2010-2030

**Drivers  
of  
change**

**Vegetation/  
ecological  
processes**

**Geomorphology,  
hydrology, permafrost**

**Land use**

**Impacts**

**Feedbacks  
to climate**

<b>Conceptual framework</b>	<b>Planning practice</b>
Conservation, transport, tourism, leisure, natural resources, reindeer herding, innovation	

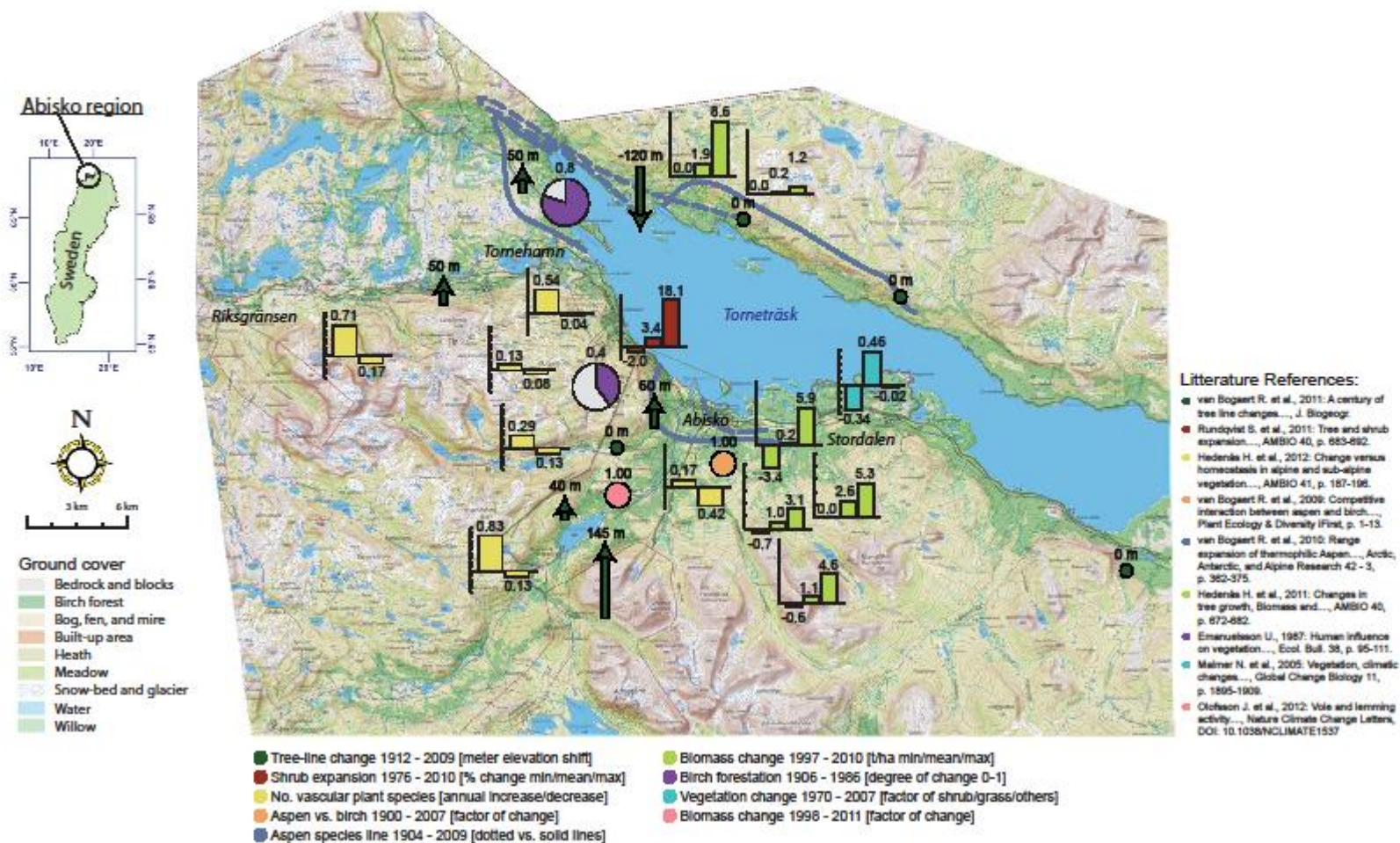
**Adaptation**

**Implementation of policy**

**Environmental and socio-economic monitoring**

**End  
process**

## Vegetation change in the Abisko region, subarctic Sweden through the last century



# Transnational Access

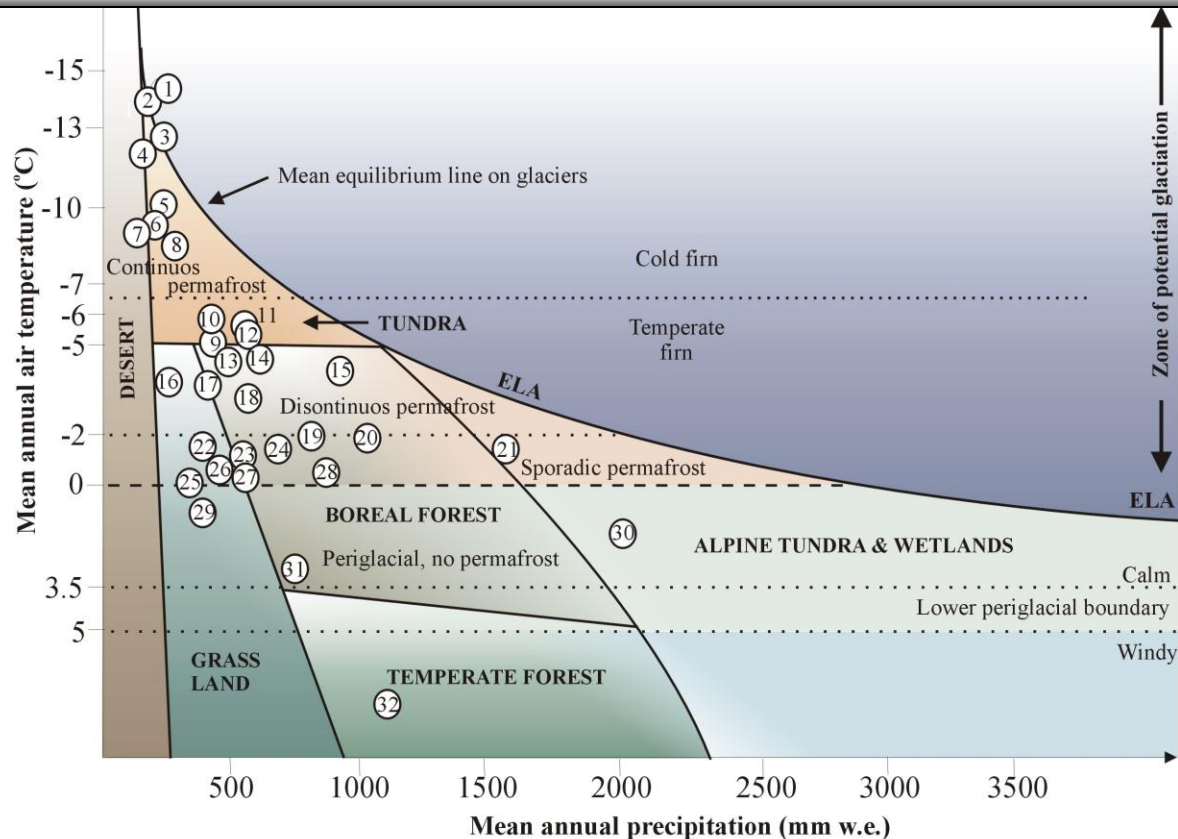
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- Transnational Access means that each station will offer free access and services to international researchers and the max length of visit is three months
- INTERACT have over all promised to offer 10 433 days in four years, in 18 stations, in seven countries, the smallest number of days offered by the station is 35 days and the biggest is 2 120 days.
- The total access cost is estimated to be ca 1.8 million EUR
- The first call for users will be out in March 2011 for the summer season 2011.
- In total there will be six calls with the possibility for a seventh.





# Climate Envelope with INTERACT sites



- |                     |                               |                            |                 |
|---------------------|-------------------------------|----------------------------|-----------------|
| 1. Chokurdakh       | 10. Salluit                   | 19. Kilpisjärvi            | 28. Khibiny     |
| 2. Bylot Island     | 11. Nymto Park Station        | 20. Finse                  | 29. Abisko      |
| 3. Samoylov         | 12. Lac à L'Eau Claire        | 21. Sermilik Station       | 30. Sornfelli   |
| 4. Barrow           | 13. Boniface River            | 22. Kevo                   | 31. Litla Skard |
| 5. Spasskaya Pad    | 14. Whapmagoostui-Kuujuarapik | 23. Mukhrino Field Station | 32. Cairngorms  |
| 6. Zackenberg       | 15. Tarfala                   | 24. Radisson               |                 |
| 7. Ward Hund Island | 16. Kluane Lake               | 25. Svanhovd               |                 |
| 8. Toolik Lake      | 17. Arctic Station            | 26. Kolari                 |                 |
| 9. Sverdrup         | 18. Umiujaq                   | 27. Oulanka                |                 |

# Transnational Access - Finland



Oulanka Research Station,  
person-day 641



Kevo Subarctic Research Institute,  
person-day 505



Kilpisjärvi Biological Station,  
person-day 439



Kolari Research Unit,  
person-day 117

# Transnational Access - Greenland



Zackenberg Research Station  
person-day 1047



Arctic Station  
person-day 262



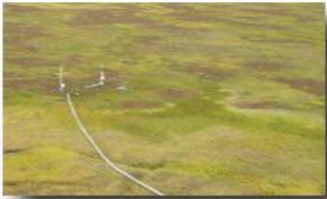
Sermilik Research Station  
person-day 331



Greenland Institute of Natural Resources, Nuuk  
person-day 307

# Transnational Access - Russia

Shapsha-Mukhrino Field Station  
person-day 780



Chokurdakh Research Tundra Station  
person-day 55



Spasskaya Pad Research Station  
person-day 55



Khibiny educational-scientific base  
person-day 172



Research Station Samoylov  
person-day 1033

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# INTERACT

International Network for Terrestrial Research and Monitoring in the Arctic

Home About Field sites Work Packages Outreach Calls Contact Log In

**THIS SITE IS UNDER CONSTRUCTION**  
New site will be launched in the end of April

Welcome to

## INTER ↔ ACT

World attention is now focussed on the Arctic because of its rapidly changing climate that is faster than elsewhere, and changes in land use, socio-economics and globalisation of economies and cultures. In particular, geopolitical issues related to increased access to natural resources have alerted many nations to the growing importance of the Arctic

You are required of improving environmental observation in the Arctic

### Research

INTERACT is based on the existing SCANNET network of field stations in all eight Arctic countries. The cooperation has a long history especially between the European members, resulting from funding in 2001-2004

### CALL FOR PROPOSALS

The call supported by the INTERACT Trans-National Access Programme will be opened very soon for the summer season 2011. The semester at the stations for this call is from May to September 2011 with some variation on different sites. [Click here for information](#)

Log in to Progeta WP leaders

## INTER ↔ ACT