

SCANNET

SCANNET

A Circumarctic Network of Terrestrial Field Bases



Morten Rasch on behalf of the SCANNET group



SCANNET

SCANNET

SCANNET is a network of Terrestrial Field bases, Research Stations Managers and user groups that are collaborating to improve comparative observations and access to information on Environmental Change in the North

SCANNET was established 1st of February 2001 within the EU 5th Framework



SCANNET 2001 – 9 sites



Total cost for SCANNET 2001-2004



Total budget = 900 000 €

All members had a share of the funding
(relatively little for coordination)



After EU funding

The 9 sites signed a Memorandum of Understanding – we wanted to continue to work together

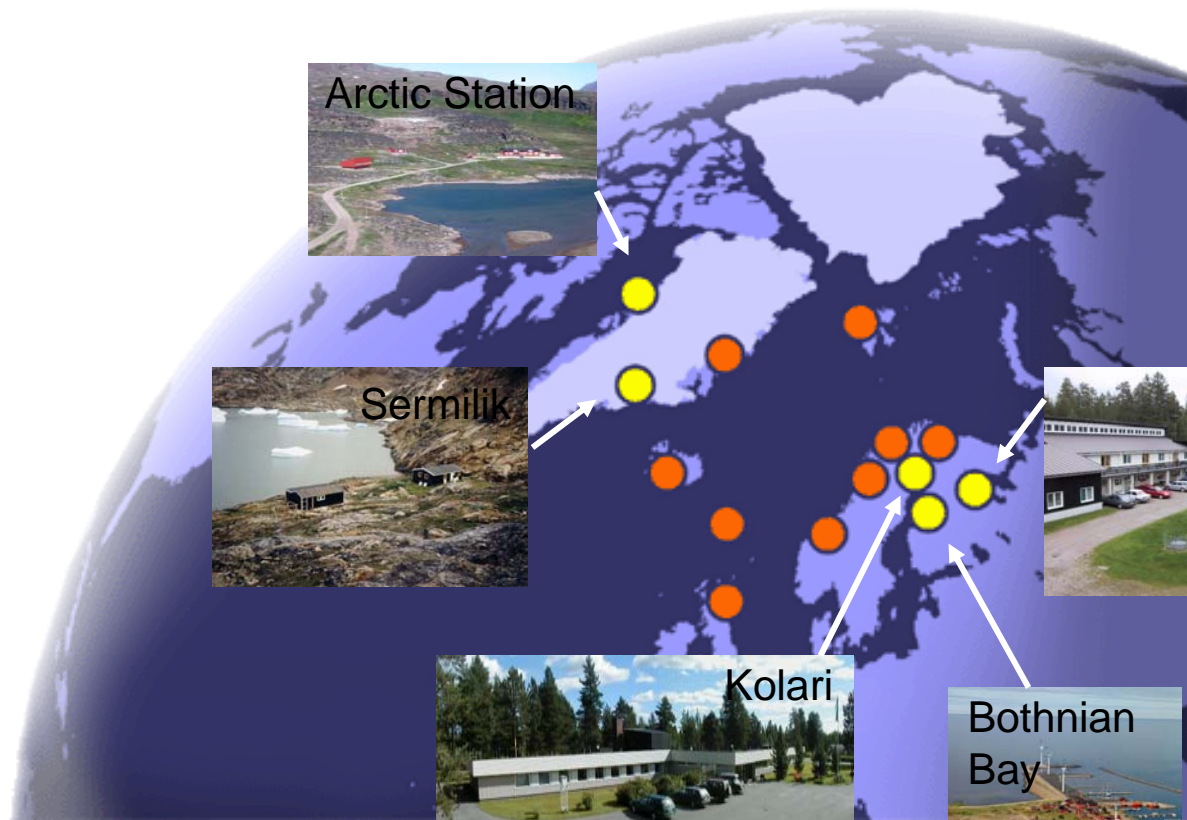
We are an established Network, which is facilitating monitoring around the Arctic

The SCANNET Secretariat operates at the Abisko Scientific Research Station and our web site is continually updated

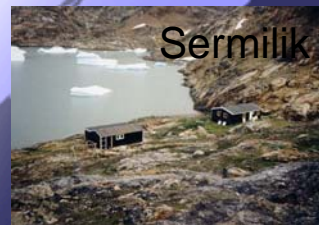
We have a partnership with CEON and obtained some funding within CEON



SCANNET 2004 – 14 sites



Arctic Station



Sermilik



Oulanka

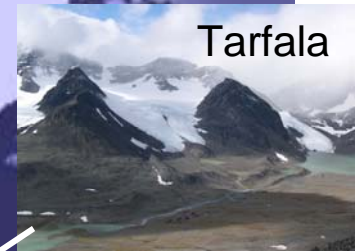


Kolari

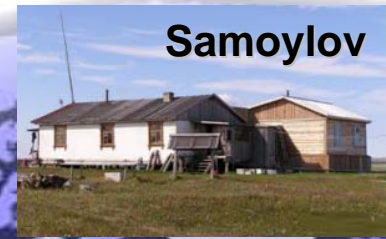
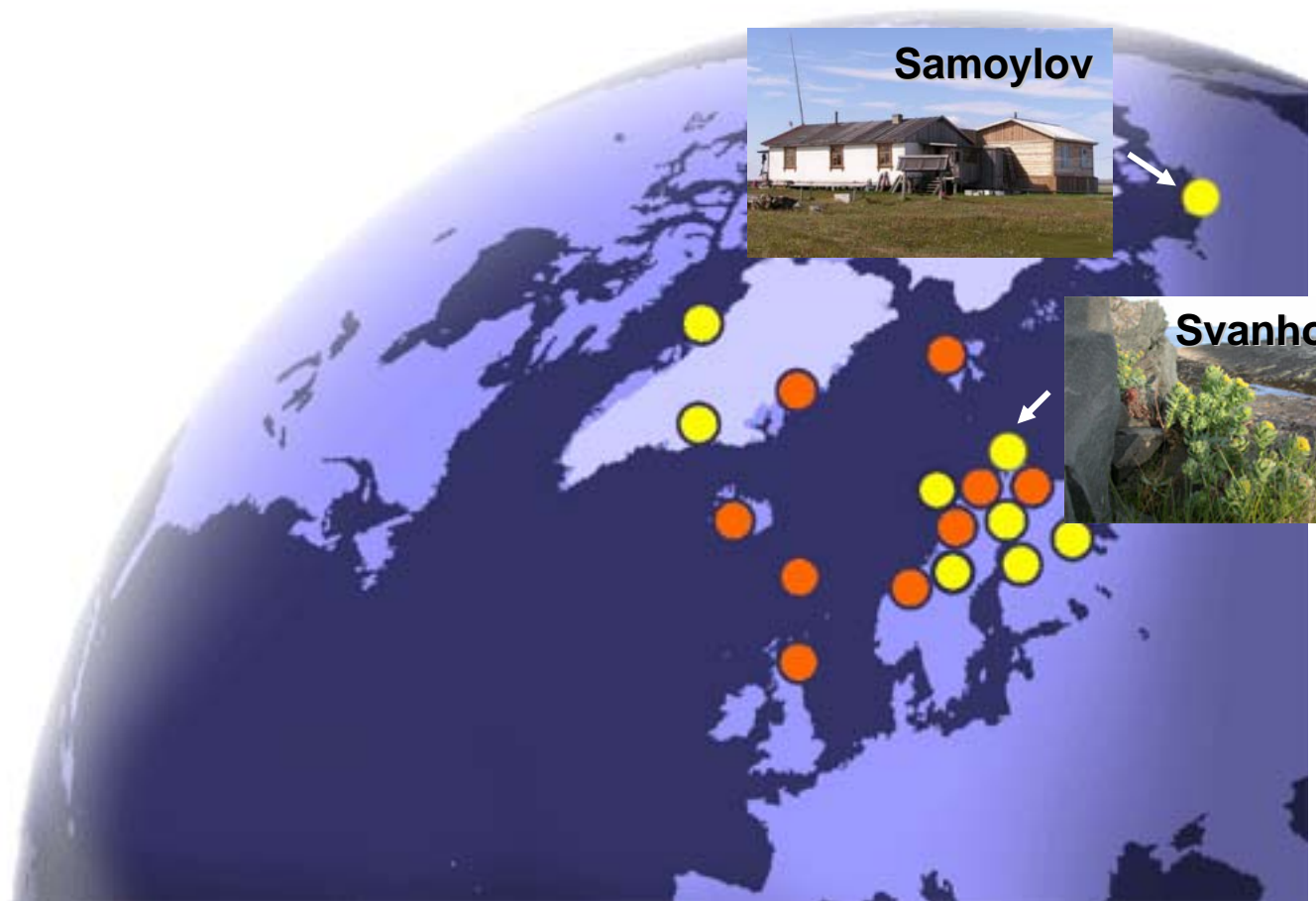


Bothnian Bay

SCANNET 2006 – 16 sites



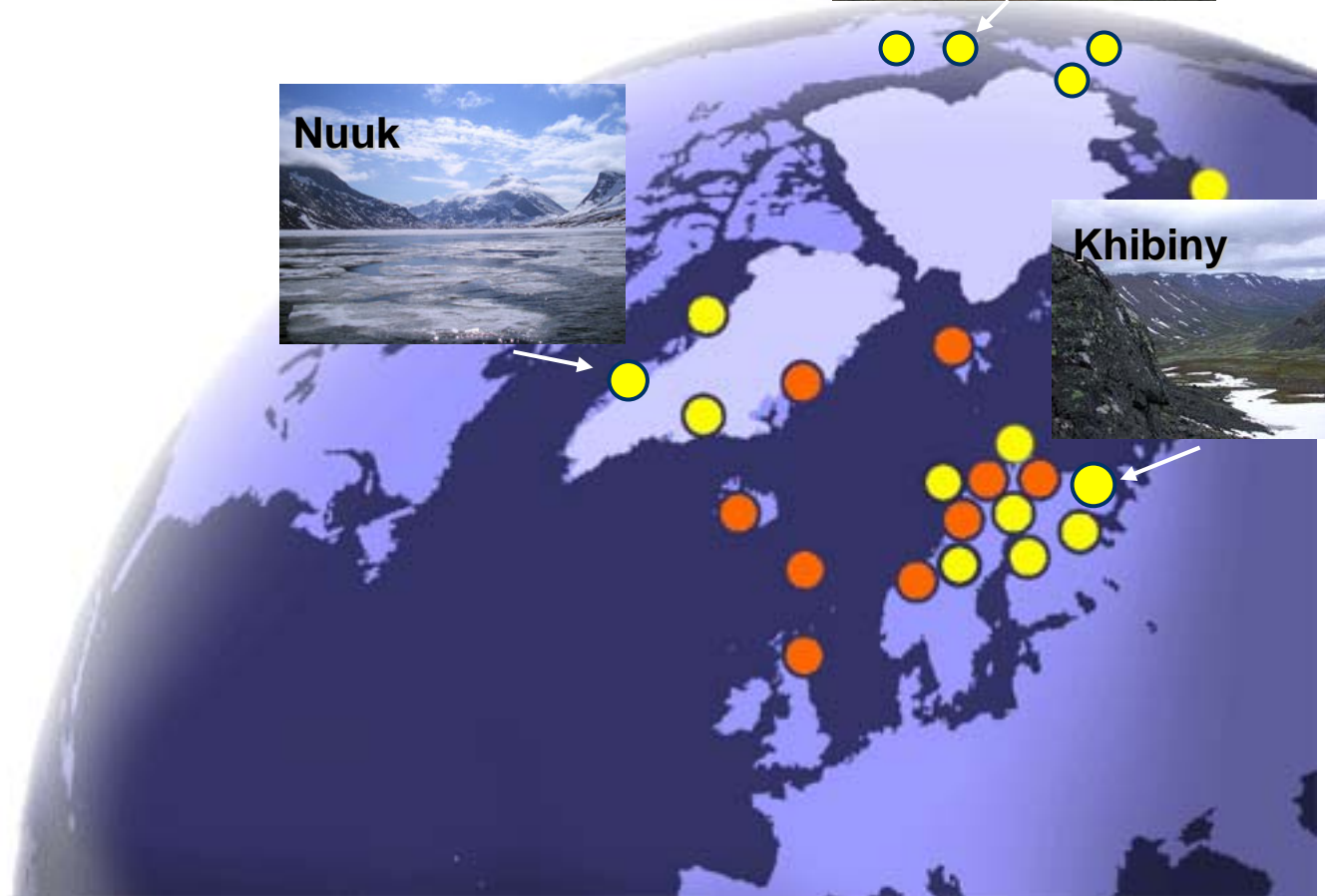
SCANNET 2007 – 18 sites



SCANNET 2008 – 21 sites

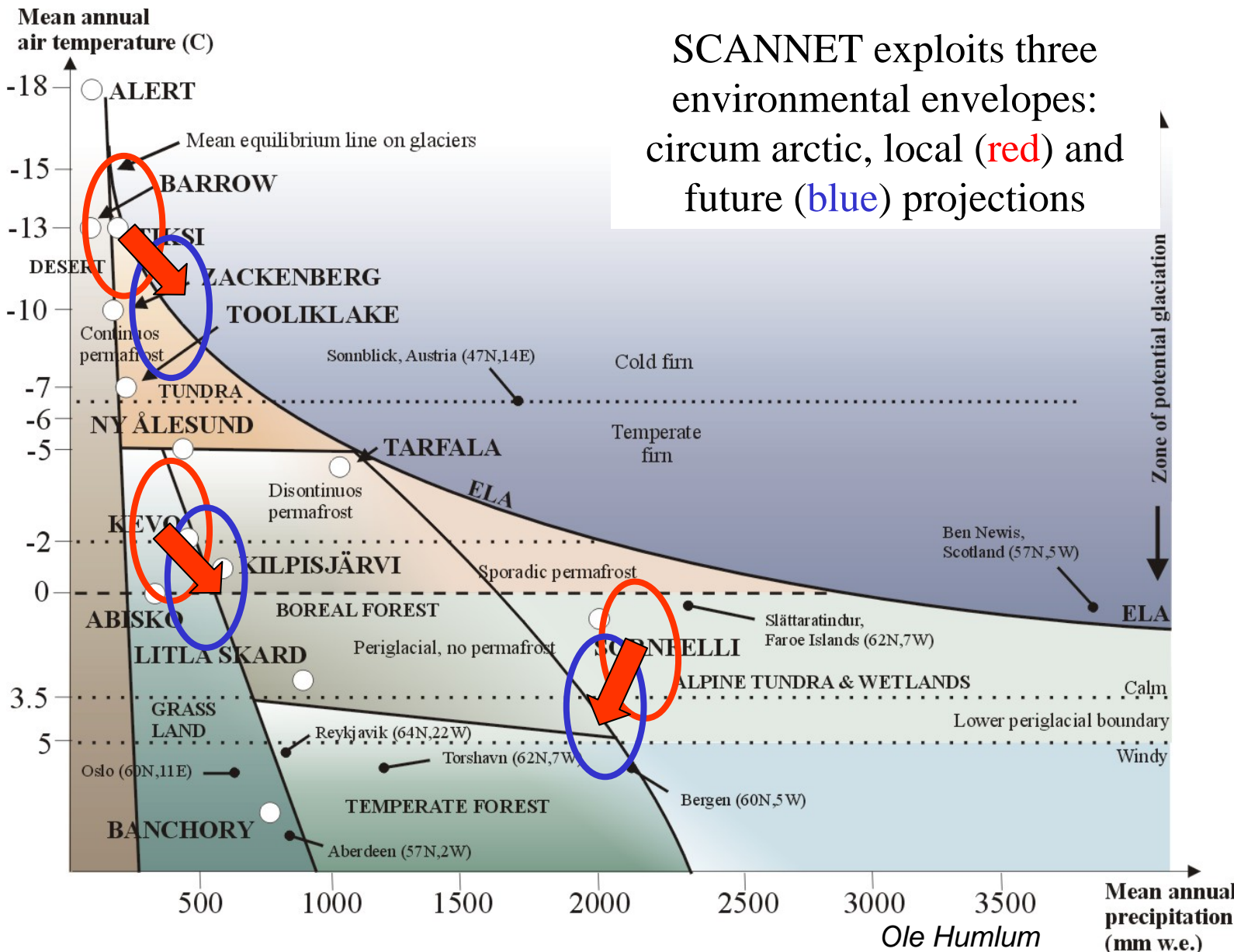


SCANNET 2009 – 24 sites



SCANNET - Cover a wide range of climate, environmental and land use envelopes

SCANNET exploits three environmental envelopes: circum arctic, local (red) and future (blue) projections



SCANNET – A one stop shop

Compiling information on monitoring and baseline information, data archives, research facilitation, ground truthing, stakeholder interaction and outreach from 24 sites around the Arctic.

SCANNET can facilitate experiments throughout a wide environmental envelope, but its potential is still underused.



Future plans: SCANNET seeks to develop its potential through:

- *upgrading and intensifying its monitoring activities, for example by the development of short term activities such as those in IPY into long-term monitoring*
- *providing more accessible and comprehensive metadata*
- *addressing key environmental questions formulated by international assessments of current and past research in the Arctic by developing partnerships with the research community*
- *combining research with monitoring and modelling to predict future environmental changes and their impacts*
- *bringing stakeholders together with researchers and the observation community to facilitate the development of strategies to adapt to environmental change*
- *formulating and testing fundamental ecological, biological and geoscience theory by developing partnerships with the research community*



Further information can be obtained at:

www.scannet.nu

T. V. Callaghan, M. Johansson, O. W. Heal, N. R. Saelthun, L. Barkved, N. Bayfield, O. Brandt, R. Brooker, H. H. Christiansen, T. T. Høye, O. Humlum, A. Järvinen, C. Jonasson, J. Kohler, B. Magnusson, H. Meltofte, L. Mortensen, S. Neuvonen, I. Pearce, M. Rasch, L. Turner, B. Hasholt, E. Huhta, E. Leskinen, N. Nielsen and P. Siikamäki, 2004. Environmental Changes in the North Atlantic Region: SCANNET as a collaborative approach for documenting, understanding and predicting changes. *Ambio Special Report 13, 39-50.*

Thank you

