SCANNET
A Circumarctic Network of Terrestrial Field Bases

Terry Callaghan and Margareta Johansson on behalf of the SCANNET group

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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

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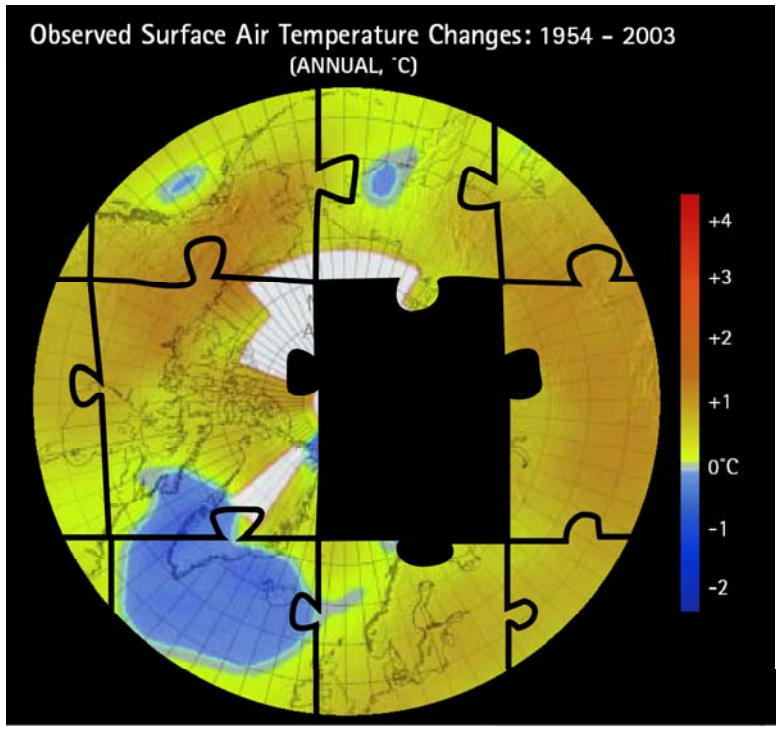
Background - The need for Coordinated Action

The Arctic has been subject to recent large climate change and climate scenarios predicted most prominent changes at high latitudes

Valuable long term information from observations and experiments based at research facilities within the region are underused and are sometimes inaccessible



A suggested way to solve the puzzle is via ***sustained*** *and* ***coordinated monitoring***

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Specific objectives from the outset (2000)

Establish a network of field sites, covering the main environmental conditions in northern Europe

Compile and compare existing data and information from field sites

Improve comparability and coverage of long-term observations and experiments within the network

Improve access and relevance of data to researchers, assessments and to international organisations such as GTOS, AMAP, CAFF, EEA and ACIA

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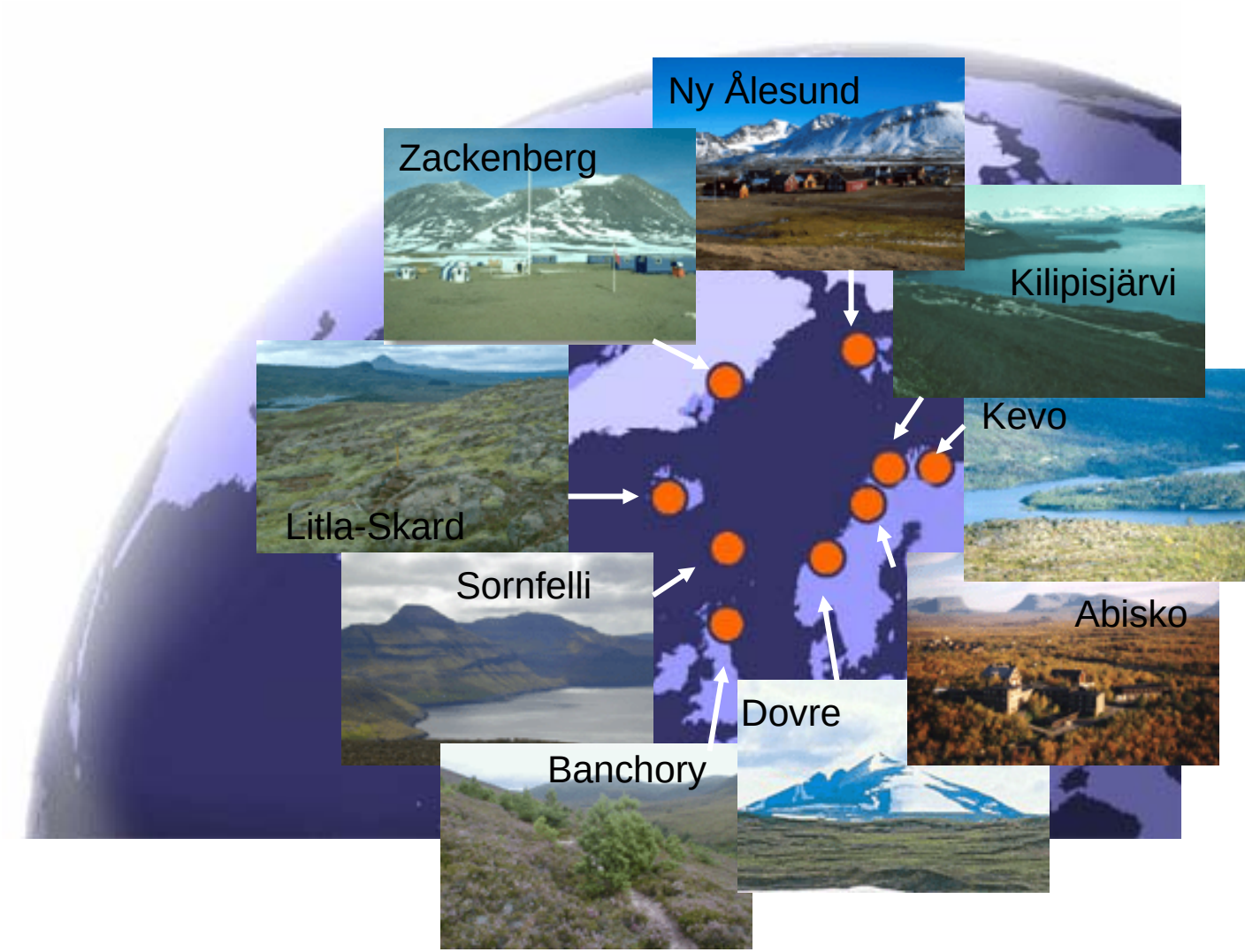
SCANNET 2001 – 9 sites



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| Network |

Administration, co-ordination, Station Managers' Forum

Identified 5 themes

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Total cost for SCANNET 2001-2004

Total budget = 900 000 €

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

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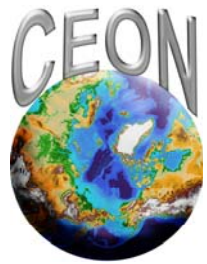
After EU funding

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 had a partnership with CEON and obtained some funding within CEON



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SCANNET 2010 – 34 sites

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

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

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SCANNET – A one stop shop

Compiling information on monitoring and baseline information, data archives, research facilitation, ground truthing, stakeholder interaction and outreach from 34 sites around the Arctic.

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

Where are we now in 2010?

35 sites have signed a Memorandum of Understanding and more stations have shown interest in joining SCANNET!

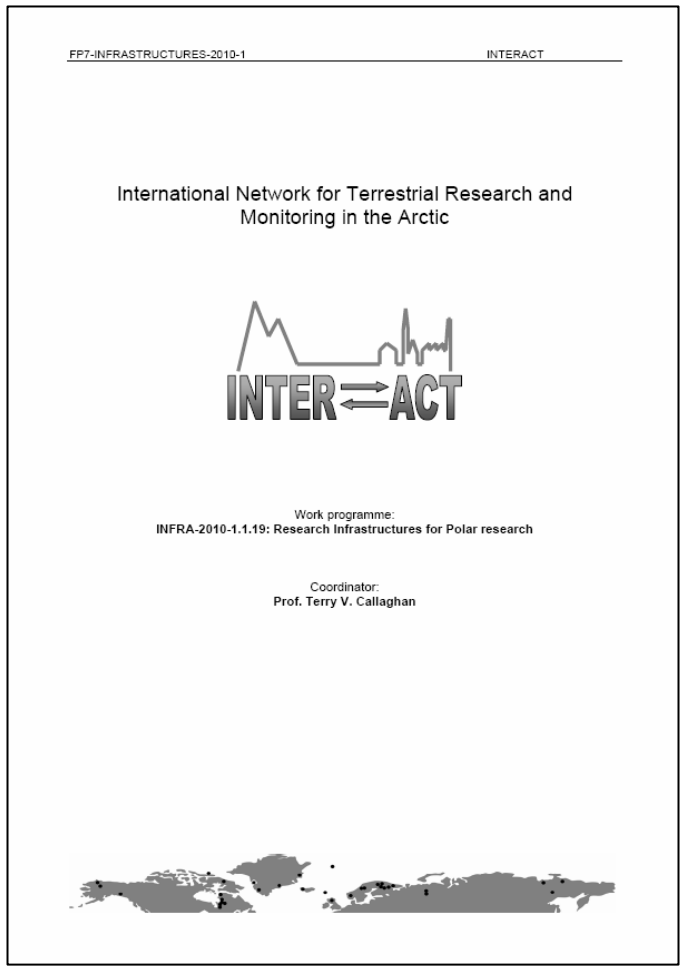
EU infrastructure funding pending

Regular newsletters are widely distributed

EU CALL: FP-7 INFRASTRUCTURES 2010-1

Research infrastructures for Polar research

SCANNET Proposes INTERACT



FP7-INFRASTRUCTURES-2010-1 INTERACT

International Network for Terrestrial Research and Monitoring in the Arctic

INTERACT

Work programme:
INFRA-2010-1.1.19: Research Infrastructures for Polar research

Coordinator:
Prof. Terry V. Callaghan

Proposed Work Packages:

Work package 1: *Management and Coordination* to include project leadership, project administration (reports to EU), financial leadership (reports to EU), arranging meetings, preparing newsletters, folders and maintaining homepage.
Work package 2: *Station Managers Forum* disseminating best practice.
Work package 3: *International Cooperation*
Work package 4: *Trans-national Access*
Work package 5*: Virtual Instrumentation*
Work package 6: *Improved measurements of terrestrial feedbacks to climate*
Work package 7: *Data management*
Work package 8: *Outreach*

SCANNET/INTERACT is a ***one-stop shop*** that 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

SCANNET was legacy from IBP: INTERACT aims to provide similar legacy

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