## An international research infrastructure for Earth System Science



SIOS builds on an extensive network of existing distributed RI and long-term data series in and around Svalbard.

Focuses on processes within and interactions between the different spheres in Earth System Science.

Produces systematic observations which are stable over time, yet dynamic as new methods and questions from society arise.

The Knowledge Centre in Longyearbyen coordinates data management, RI access, remote sensing resources, training programmes etc.

### Coordination

# Facilitated and improved research

SIOS closes gaps in the network of long-term data series - both geographically, temporally and in terms of parameters. Researchers benefit from comprehensive and easily accessible data sets

# Coordinated efforts and large-scale campaigns

enable researchers to contribute with individual studies to a holistic Earth System Science laboratory Think tank

### acad value of data

Increased value of data

SIOS develops tools to reformat, reproject, subset and combine data into new data sets

> Senhanced funding opportunities for projects that align with the priorities of SIOS through network, harmonisation and integration

> > Easy access to data

Integration

STATE OF ENVIRONMENTAL SCIENCE IN SVALBARD (SESS) REPORT

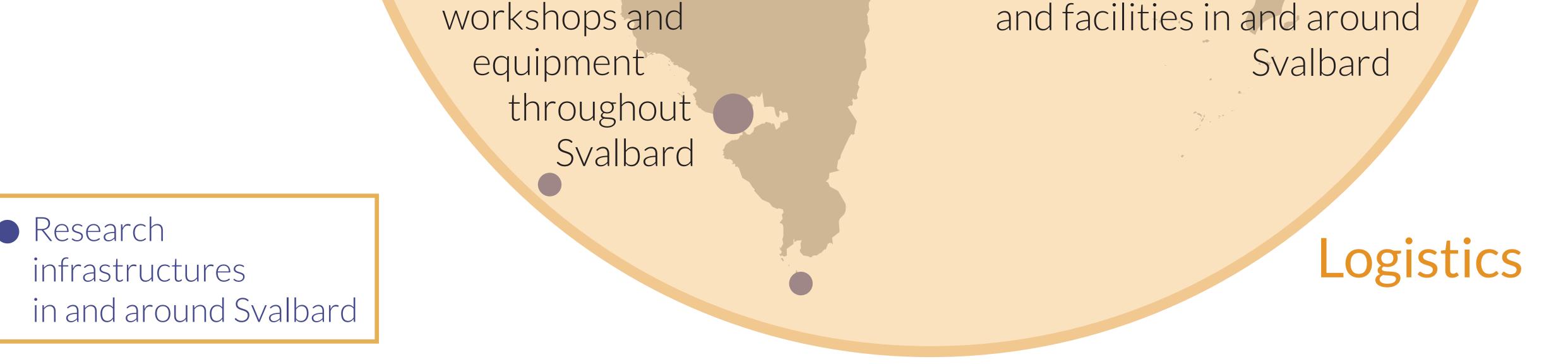
Comparative studies

A virtual data centre offers unified access to relevant data from all partners

Common procedures

**Broad logistical support** Transportation, accommodation, storage facilities,

Better access to instruments Researchers have easier access to the large variety of research instruments and facilities in and around



#### SIOS is managed by a consortium of international institutions with research infrastructure (RI) in and around Svalbard

SIOS Knowledge Centre | P.O.Box 156 | N-9171 Longyearbyen | www.sios-svalbard.org | information@sios-svalbard.org | +47 7902 33 66