



The SIOS Knowledge Centre

The Knowledge Centre is located in the Svalbard Science Centre in Longyearbyen and offers the following coordinated services to the Earth System Science Community. It is funded for the next five years by the Research Council of Norway.

Data Management

Integrating information from SIOS partner data repositories into a common virtual data centre

Facilitating to discover and retrieve relevant datasets across the contributing data centres

Visualising data by generating maps or time series of datasets

Transforming data by reformatting, reprojecting, subsetting and combining different datasets into a new dataset

Guidance towards good data management right from the project planning phase

Remote Sensing

Single point of contact for satellite information for Svalbard, drawing on the combined knowledge of the network of SIOS partner institutions

Coordinating commissioned data processing

Making products available

Advising researchers on satellite data needs

Tailored training on remote sensing

Copernicus Relay for Norway

Access and logistics

Facilitating and coordinating access to research infrastructure owned by SIOS members

An access programme allows researchers to fill observation gaps test new methods and co-locate new initiatives with existing long-term data series

Cataloguing observation facilities which collect SIOS data and presenting this information in a standardised, unambiguous and comparable format

Training

Providing researchers and other user groups with necessary skills to make best use of the SIOS Research Infrastructure

Development of a course portfolio - modified according to the needs of users and providers

Stimulating creative collaboration and inspiring scientists and students to embark on interdisciplinary science partnerships

Science Optimisation

Creating a platform for interdisciplinary communication and collaboration across institutes and nations

The Science Optimising Advisory Group advises SIOS considering scientific and societal relevance and the overall strategic goals of the Observing System

The annual State of Environmental Science in Svalbard (SESS) report summarises the current state of Earth System Science, highlights research needs and recommends future priorities in the Observing System

Communication and outreach

Information about SIOS Knowledge Centre activities, Observing System development and SIOS-related activities within member institutions

Up to date SIOS website and frequent Twitter news

Advertising SIOS on conferences and in networks