

An anchor point to a drifting world!

SIOS webinar series

Why?

- Cancelled field campaigns
- Cancelled conferences
- To provide a social experience to the Svalbard research community in challenging times

6 Webinars

1 Online Conference

1 Online training Course



SIOS Webinar #7:

Webinar on the SIOS access programme

12 February 2021, Friday: 10:00 - 11:30 CET

10:00 - 10:05 Shridhar Jawak (SIOS Remote Sensing Officer) - Welcome and updates from SIOS-KC

10:05 – 10:10 Inger Jennings (SIOS Access and Logistics officer) - Introduction to the webinar

10:10 - 11:25 Talks from participants in the access programme:

Katharina Jentzsch (Alfred Wegener Institute) - Near real-time observations of snow water equivalent for SIOS on Svalbard

Christoph Thomas (University of Bayreuth) - Investigating atmospheric transport at the Air-Snow Interface using Fiber-Optic Distributed Sensing – the NYTEFOX experiment: NY-alesund Turbulence Fiber-Optic eXperiment

Andreas Alexander (University of Oslo) - Innovate GLOF: Interdisciplinary observations of the Setevatnet glacier lake outburst flood

Luke Cockerton (University of Northumbria) - ArcticBioAir: The role of microorganisms in Arctic cloud formation (through biogenic ice nucleation) and its influence on albedo and climate

Roseline C Thakur (Institute for Atmospheric and Earth System Research of the University of Helsinki) - New Particle formation in Arctic - The knowns and the unknowns

11:25 - 11:30 Final questions and closing remarks



Updates from SIOS-KC

SIOS webinar series

SIOS Webinar #8:

International Women's Day special edition

08 March 2021



<https://sios-svalbard.org/RSWebinarSeries>



www.sios-svalbard.org

Updates from SIOS-KC

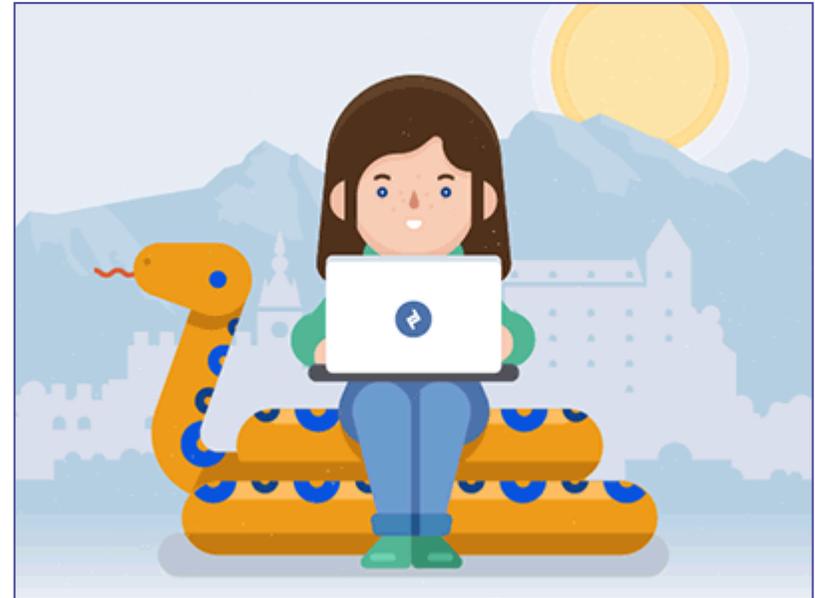
SIOS is looking for a Scientific Data Programmer

The Scientific Data Programmer will be part of SIOS-KC and will be dedicated to supporting scientists with preparation of datasets from ongoing large SIOS projects, like SIOS-InfraNor and ENVRI-FAIR, as well as projects associated with SIOS, like Nansen Legacy.

Application deadline: 12.02.2021

We offer a fixed term position ending 31.12.2022, starting as soon as possible.

www.jobnorge.no



<https://dribbble.com/shots/2498700-Toptal-Scholarship-for-Female-Developers-Winner>

Updates from SIOS-KC

Airborne Remote Sensing campaigns 2021: Announcement of Opportunity



Image courtesy of NORCE

Second call is now open*

- RGB camera and hyperspectral imager installed on Dornier aircraft stationed in Longyearbyen
- High resolution georeferenced images

**2020 call resulted in 25 flight hours for 10 projects*



Image courtesy of NORCE

Available funding

- Approximate at least 25 flight hours using the Dornier aircraft or 50 flight hours using drones

Deadline to submit a proposal: 25 February 2021

Decision: Expected by Mid-March 2021

Image/data acquisition period: 1 April – 15 September 2021



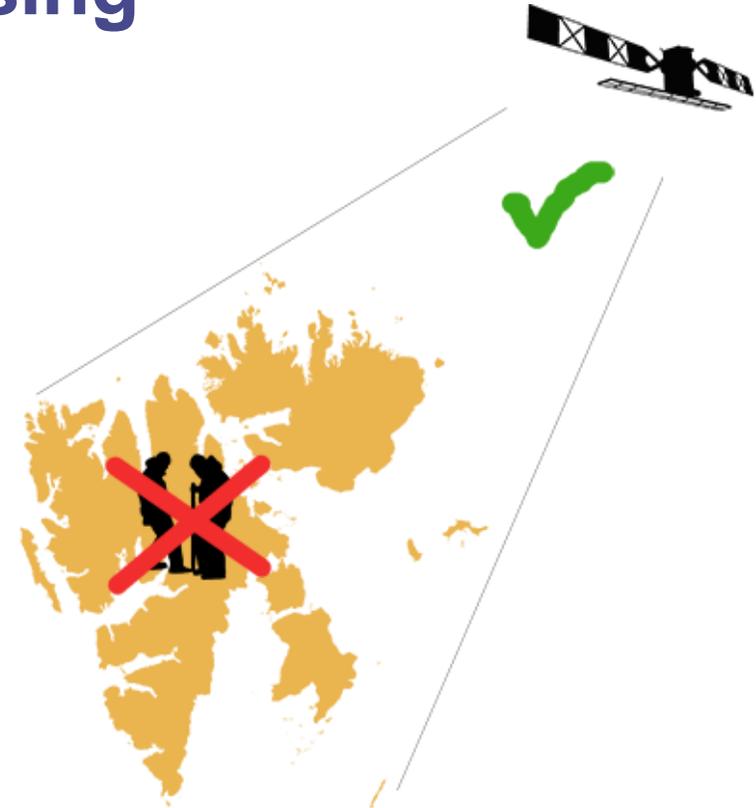
Updates from SIOS-KC

Patch up your field data with Remote Sensing

Due to travel restrictions most planned field campaigns to Svalbard were cancelled in 2020. 2021 remains uncertain.

If you think that remote sensing data may be useful to fill your data gaps, we may be able to help you!

https://sios-svalbard.org/RS_patches-FirstSurvey

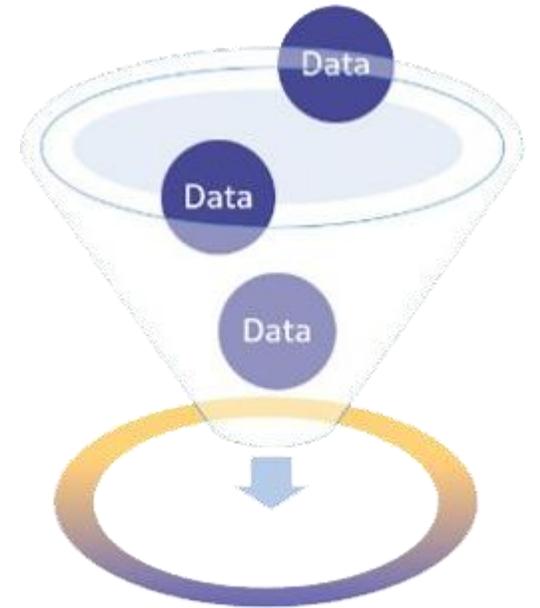


SIOS Core Data curation call #2

SIOS supports the transformation of datasets identified during the core data mapping as SIOS Core Data (SCD) candidates to FAIR data.

The call is addressed to SIOS member institutions that commit to SCD and mapped the SIOS Core Data candidates.

Proposal submission will open **February 2021**.



Updates from SIOS-KC

SDMS WG Training Series 2021

When: February/March 2021

Where: online

Lecturers: MET.NO, NILU, NERSC, SIOS-KC

Registration will open in early February



Selected issues:

- SIOS Data Management System
- How to publish scientific data
- SIOS Core Data
- How to encode data as NetCDF-CF using Python and R
- How to work with Rosetta to convert tabular CSV files to netCDF-CF
- How to create Darwin Core Archive

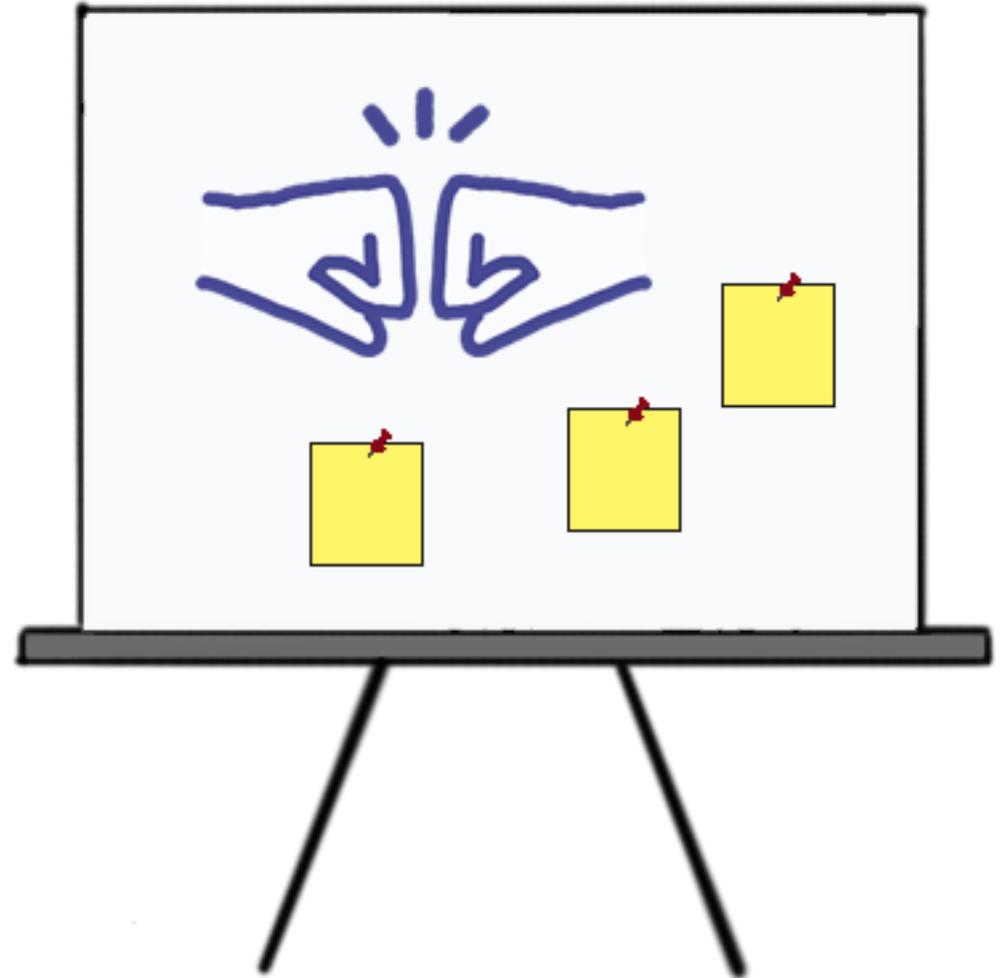
Updates from SIOS-KC



Logistics Sharing Notice Board

Make research activities more efficient economically, environmentally and in terms of researchers time and effort

<https://sios-svalbard.org/logistic-notice-board>



Updates from SIOS-KC

Fridays at 9:30
Norwegian time

SIOS Virtual Hangout



If you would like to join, please contact information@sios-svalbard.org

Updates from SIOS-KC

SIOS secondments – call open!

Are you working at a SIOS member institution and have an idea on how to strengthen the collaboration between research infrastructures or how to improve the SIOS observing system? SIOS offers support for a stay at the SIOS Knowledge Centre in Longyearbyen to work on specific topics!

Duration: between 1 - 6 months

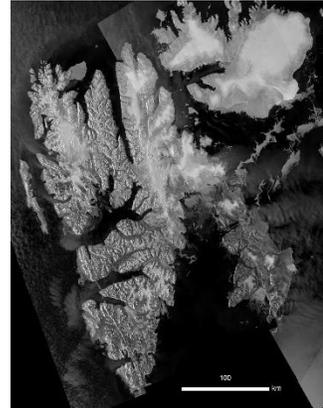
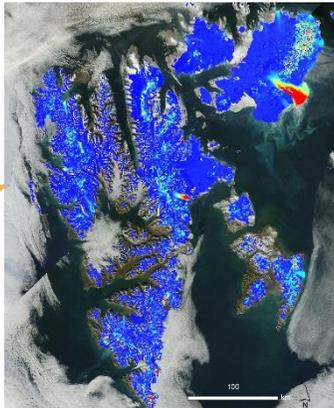
Application can be sent at any time until further notice.

<https://sios-svalbard.org/secondment>





Earth Observation (EO), Remote Sensing (RS), and Geoinformation (GI) Applications in Svalbard



Special Issue Editors:

Dr. Shridhar D. Jawak

Prof. Dr. Andreas Kääh

Dr. Geir Moholdt

Dr. Malgorzata Blaszczyk

Ms. Ann Mari Fjæraa

Dr. Roberto Salzano

Prof. Dr. Veijo Pohjola

Prof. Hiroyuki Enomoto

Dr. Kjell Arild Høgda

Dr. Bo N. Andersen

Dr. Bartłomiej Luks

Dr. Frode Dinessen

Special Discount on Article Processing Charge (APC)

50% discount for manuscripts

- from guest editors;
- from SIOS activities, e.g. [InfraNor](#), [SESS report](#), and [SIOS Access Projects](#).

30% discount for manuscripts

- invited by guest editors;
- submitted by authors from SIOS member institutes
- submitted by any PhD student as a first or corresponding author

This *Special Issue* will provide a broad platform to various regional and Svalbard-wide studies that are being conducted using EO/RS/GI.

We especially encourage contributors to provide access of data and products generated as a part of study via the SIOS data management system (SDMS).

Important Information

Audience:

Please, please mute yourself on the zoom during the webinar.

You can unmute yourself during the discussion session only while asking questions!

Presenters:

Please try to finish your presentation within the time designated to you.

*If you cross your time during the presentation, we may consider to interrupt you to conclude your presentation.

How to ask a question?

Each session will be followed by a discussion session where you can ask you a question.

Alternatively, you can always enter your question in the chatbox and our team would keep a note of it.

Feedback polls: We will publish a live poll during the conference.

Introduction to the SIOS access programme

Access and
Logistics Service



SIOS Access Programme

- Regular **access calls** connected to the strategic goals of SIOS
- Pilot call in 2017
- 4 calls so far
- Review of programme conducted in 2019
- User satisfaction is high (>8 / 10)



Access call 1: 2017 (fieldwork 2018)

- 10 applications, 5 funded
- All 5 completed according to plan
- Topics:
 - Permafrost
 - Multidisciplinary snow research
 - Glaciology
 - Vegetation

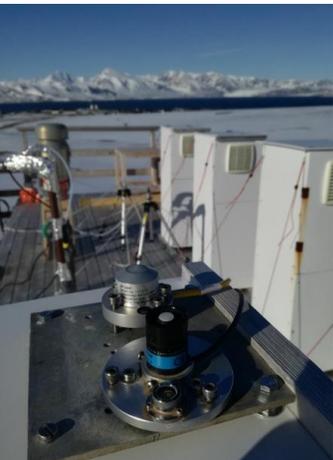
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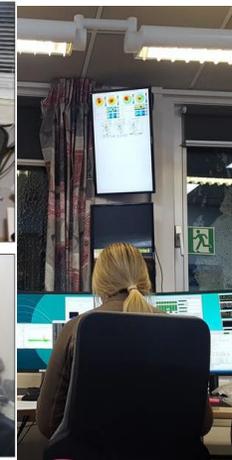
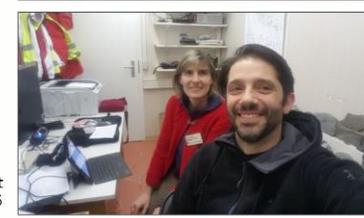
Access call 2: 2018 (fieldwork 2019)

- 10 applications, all funded
- 8 completed according to plan (technical problems with the other 2)
- First virtual access project (snow cover mapping)
- Topics:
 - Upper atmosphere and lower atmospheric composition
 - Glaciology
 - Snow chemistry

<https://sios-svalbard.org/Access2019>



Classed product
July 23 1995



Access call 3: 2019 (fieldwork 2020)

- 29 applications, 14 funded
- 3 completed according to plan, 11 postponed
- 1 virtual access project (SWE)
- Topics:
 - Atmospheric composition
 - Snow water equivalent

<https://sios-svalbard.org/Access2020>



Access call 4: 2020 (fieldwork 2021)

- 17 applications, 9 funded
- 11 postponed projects from 2020 in addition
- 1 remote access project
- Topics:
 - Glaciology
 - Atmospheric chemistry
 - Snow
 - Hydrology
 - Etc.

<https://sios-svalbard.org/Access2021>