



SIOS

Polar Night Week

11-15 January 2021

Practical Information

ONLINE



Important Information for participants and presenters

Audience:

- Please, switch on your video to make this event livelier!
- Please, please mute yourself on the zoom during all the presentation!
- You may unmute yourself during the discussion session while asking questions!
- Presenters, please finish your presentation within the time designated to you.

How to ask a questions?

- Each session will be followed by a discussion session where you can ask a question by unmuting yourself or raising your hand so that moderator can allow you to ask a question. Please make sure to lower your hand after you asked your question.
- Alternatively, you can always enter your question in the chat box and our team would keep a note of it.

Feedback polls

We will publish live polls during the event. Please provide your feedback periodically!

Important Information for participants and presenters

Group picture/recording/live streaming

- Participating in the PNW assumes that participants have consented to their presentations being recorded; only a few presentations will be made available on the SIOS website later.
- We will capture periodic screenshots or group pictures for our social media feed. If you do not wish to appear on the picture, do not turn on your camera during the group picture activity.
- The SESS release session will be streamed live on our Youtube channel to ensure reaching a broader audience.

Code of Conduct

Expected Behavior

- All participants are treated with respect and consideration, valuing a diversity of views and opinions.
- Be considerate, respectful, and collaborative. Acknowledge the contributions of others.
- Avoid personal attacks directed toward any participants.
- Respect scheduling and direction from moderators and organisers.
- Alert SIOS-KC if you notice a dangerous situation or someone in distress (PNW@sios-svalbard.org; +47 476 48 242).

Code of Conduct

Unacceptable Behavior

- Harassment, intimidation, or discrimination in any form will not be tolerated.
- Abuse (verbal, written, or physical) of any participant or guest, including intentional use of incorrect pronouns.
- Use of social or mainstream media to target individual actions of participants in a way that could harm their privacy and/or reputation.
- Disruption of presentations during sessions.
- Examples of unacceptable behaviour include, but are not limited to, verbal comments related to gender, sexual orientation, disability, physical appearance, body size, race, religion, national origin, inappropriate use of nudity and/or sexual images in public spaces or in presentations, or threatening or stalking any attendee, speaker, staff member, or other meeting guest.

Brief programme: Tuesday, 12 January

09:00 - 09:30 What happened since last time? An update from SIOS-KC to the SIOS community

The staff of SIOS-KC will give an update of their work and general SIOS activities in 2020.

09:30 - 11:30 Workshop with panel discussions: SIOS activities and services

SIOS-KC will present an overview of the services and activities currently provided to the SIOS community and how these services are used. This will be followed by a panel discussion on the future of SIOS services.

11:45 - 12:30 Poster Session: Projects from SIOS partners

In this virtual poster session SIOS partners will present some of their ongoing projects. Posters are presented in Padlet, where you may view and comment on the posters

Brief programme: Wednesday, 13 January

09:00 - 09:30 Poster session: Projects from the SIOS Research Infrastructure Access Programme

Beneficiaries of the SIOS Research Infrastructure Access Programme will introduce their projects with a brief talk about their poster. Posters are presented in Padlet, where you may view and comment on the posters:

09:30 - 12:00 Workshop: SIOS responses to COVID-19 and the new normal - adapting our strategy for the future

12:00 - 12:30 Virtual mingling

We will not let a virus keep us from getting to know each other better!

12:30 - 13:30 Virtual Conference Lunch

In order to compensate (somewhat) for the lack of a conference dinner we will have a virtual lunch together. The first 70 registered participants have (hopefully) received a little 'tool box' to get into the right Svalbard mood. What will you have for lunch today?

Brief programme: Thursday, 14 January

09:00 - 10:00 Open forum: Coordination of logistics

Meet and discuss your challenges with the SIOS community, and help us to find better solutions by working together!

10:30 - 12:00 The SIOS mission in action!

12:00 - 12:30 Demonstration: SIOS data access portal

We will demonstrate how to use the SIOS data access portal and ask for feedback on how to improve its functionality and user friendliness.

Brief programme: Friday, 15 January

09:00 - 10:00 SIOS Virtual Hangout - special edition

Starting the morning/afternoon with a cup of coffee and virtual tours to SIOS Research Infrastructure.

10:00 - 12:00 Workshop: SIOS Core Data

The workshop aims to familiarise the community with the idea of SIOS core data (SCD) and present the results of work from previous workshops on the definition of SCD and measurement protocols. A list of variables proposed as the new SCD will be presented.

12:00 - 12:30 Wrap-up 'with avec'

Practical information PNW 2021

[Code of conduct](#)

[How to use Zoom](#) - please take the time to review the most important meeting controls in Zoom so you are prepared!

[How to use Padlet](#) - this tool will be used actively in several sessions

[Relevant links](#) (as presented during the breaks)

[The sound of SIOS - the SIOS community playlist](#)



The screenshot shows the SIOS website with the SIOS logo at the top left. The navigation bar includes links for HOME, ABOUT SIOS, SERVICES, ACCESS, OPTIMISATION, and INTRANET. The OPTIMISATION dropdown menu is open, showing options like THE SCIENCE WHEEL, SIOS CORE DATA, SESS REPORT, SIOS POLAR NIGHT WEEK, SIOS-INFRAKOR PROJECT, and ENVRI-FAIR PROJECT. The SIOS POLAR NIGHT WEEK option is highlighted. On the right side, the PNW 2021 menu is visible, with options for Programme, Registration, Practical information, and Previous PNWs. The Practical information option is highlighted. The main content area displays the SIOS Polar Night Week page, including a 'View' button, 'Edit', 'Grant', and 'Node export' buttons, and a 'LAST UPDATED: DECEMBER 8, 2020' notice. The text states: 'The third SIOS Polar Night Week (PNW) will take place online, 11–15 January 2021.' It also mentions that the annual meeting brings the SIOS community together for science seminars, working group meetings and plenary discussions. One of the highlights is the release of the newest issue of the State of Environmental Science (SESS) report. The Polar Night Week is described as an arena for exchange, reflection and planning of future activities and creates a vibrant atmosphere in the middle of the beauty of the Polar Night. There is no charge for attending Polar Night Week for SIOS members, but you will need to cover your own travel and accommodation costs, as well as meals other than lunch and the conference dinner. If you come from a non-member institution please contact us for details about the participation fee. Please find more information in the menu on the right-hand side.

Who is attending Polar Night Week 2021?

Get to know the other participants by visiting the PNW Padlet



<https://padlet.com/logistics7/7huhqqio7megyx70>

Polar Night Week poster sessions

During PNW 2021 we will have two poster sessions:



Tuesday 12th January 12:00:
Posters from members of the SIOS community



Wednesday 13th January 09:00:
Posters about new projects in the SIOS
Research Infrastructure Access Programme



PNW Workshop: SIOS responses to COVID-19

The new normal - adapting our strategy for the future

Join us Wednesday 13th January, 09:30 AM

- Effects of the pandemic on research activities in Svalbard
- Opportunities created by pandemic
- Designing a strategy for the future

Help us to prepare for the year 2021 by answering our survey about how Covid-19 has affected your work in 2020.



Open Forum: Coordination of logistics

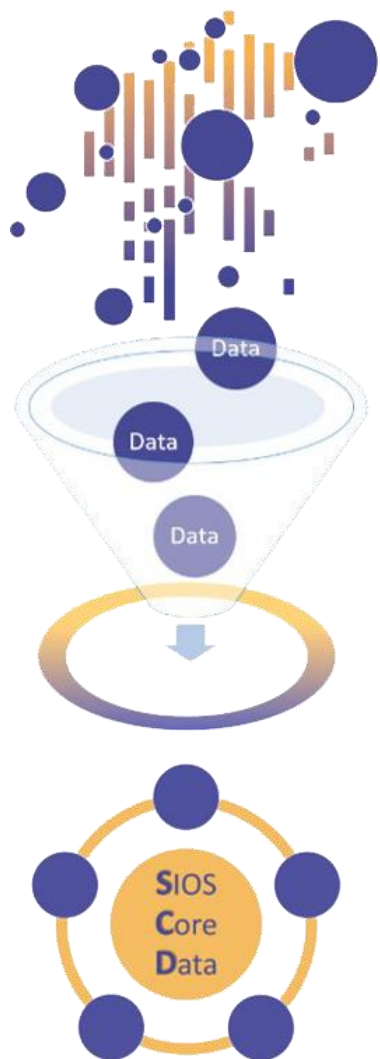


Join us Thursday 14th January 09:00 for the Open Forum on coordination of logistics to:

- discuss how to optimise logistics
- discover which services are available to SIOS members
- suggest new ways that SIOS-KC can support researchers

<https://padlet.com/logistics7/logistics>

SIOS Core Data Workshop #2



Join us Friday 15th January 10:00 for the SIOS core data workshop to:

- know more about SIOS core data
- discuss which new variables should be added to the core data list

Presentations from the previous workshop can be found here: www.sios-svalbard.org/CoreData

Polar Night Week Competition: Geoguessr

Let's get quizzical!

We have designed a special quiz for Polar Night Week. It combines two of our favourite things:

1. Maps
2. SIOS members!



To take part in the quiz, go to [geoguessr.com](https://www.geoguessr.com) and search for the map «SIOS member HQs»

The winner will be announced Friday

<https://www.geoguessr.com/maps/5fdf4b0c8d6c2b000119057a>



Would you like to order free copies of the SESS Report 2020 - Summary for Stakeholders?

Contact the SIOS information officer: information@sios-svalbard.org

The full report and the Summary for Stakeholders of all three issues are available as PDF-download on our webpage <https://sios-svalbard.org/SESSreport>



Upcoming SESS reports

NEW: Calls for new chapters will be issued every second year

- Strengthen the role of the SESS report as main-driving force for science-based development of the observing system
- Allow stronger focus on recommendations and research needs of existing contributions and increase the implementation rate

SESS report 2021

Updates of chapters (Report Cards) in previous SESS reports.
The call will open spring 2021.

SESS report 2022

New chapters & updates of previous chapters (Report Cards).
The call will open late autumn 2021.



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Observation Facility Catalogue

Overview of existing, planned and historic observation facilities



Example:

Hornsund Seismological Station HSP

Contact

Full Name: Kaj Michałowski
email: kaj@igf.edu.pl
Institution: Institute of Geophysics, Polish Academy of Sciences

Info

Observatory: Polish Polar Station
Observation Facility Type: land station
Observation Facility Status: Operational/Reporting
Core data: No

Geospatial location

Coordinates: POINT (15.53318 77.001877)
Height above mean sea level (m): 11.00

Environment

Site Information:

Seismometer placed in the concrete fundament protected by the small wooden house is located in the vicinity of Polish Polar Station in Hornsund. Seismometer is powered using PSP resources. The data is transferred by cable to PSP and published online in open access catalogues, e.g.: <https://ds.iris.edu/mda/PL/HSPB/>

Observed Variable(s)

Observed Variable: SOLID EARTH>TECTONICS>EARTHQUAKES>SEISMIC PROFILE>SEISMIC BODY WAVES>
Start Date: 2007-09-22
Instrument model and serial number:
Broadband 3 component Streckeisen STS-2 seismometer with sampling rate 100 Hz
<https://www.passcal.nmt.edu/content/instrumentation/sensors/broadband-sensors/sts-2-bb-sensor>
Instrument routine: The position of the instrument should not be changed
maintenance:
Sampling procedures: Sampling frequency 100 Hz



More information:

<https://sios-svalbard.org/sios-ri-catalogue>

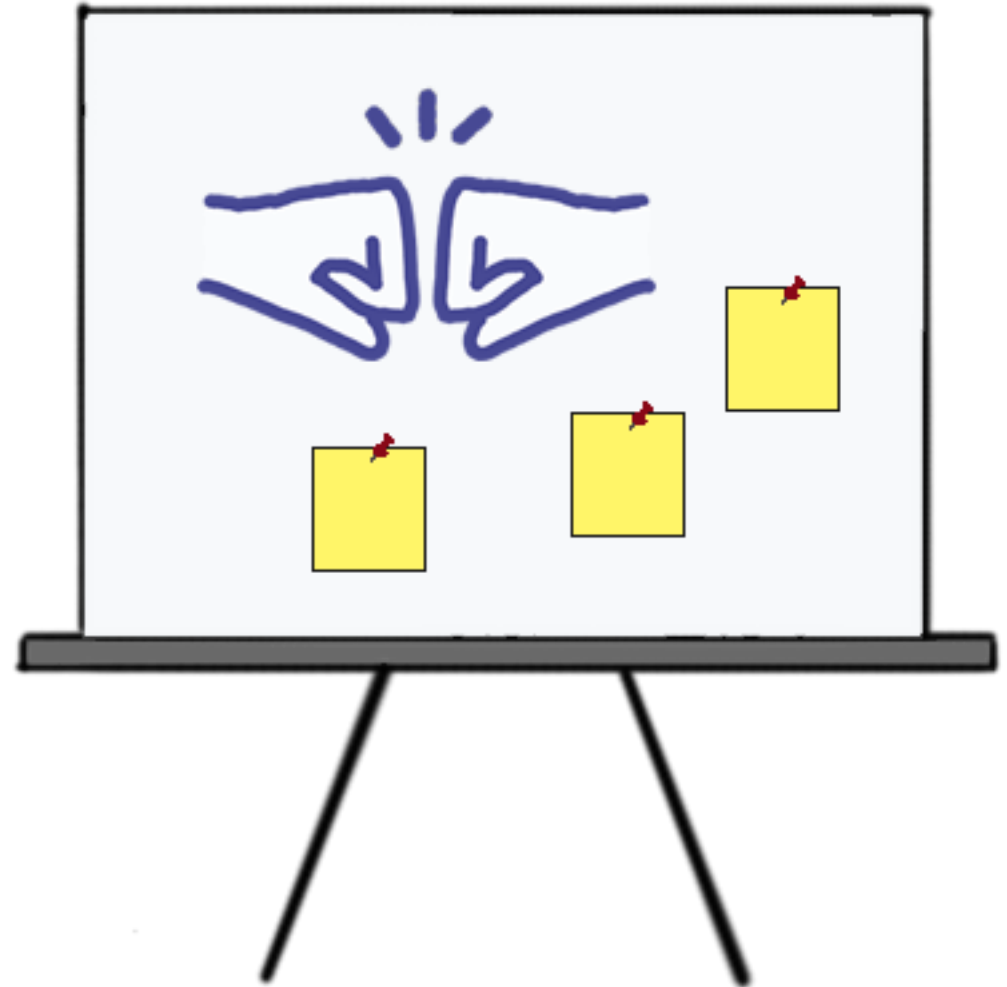


Logistics Sharing Notice Board



Make research activities more efficient economically, environmentally and in terms of researchers time and effort by using the SIOS Logistics Sharing Notice Board:

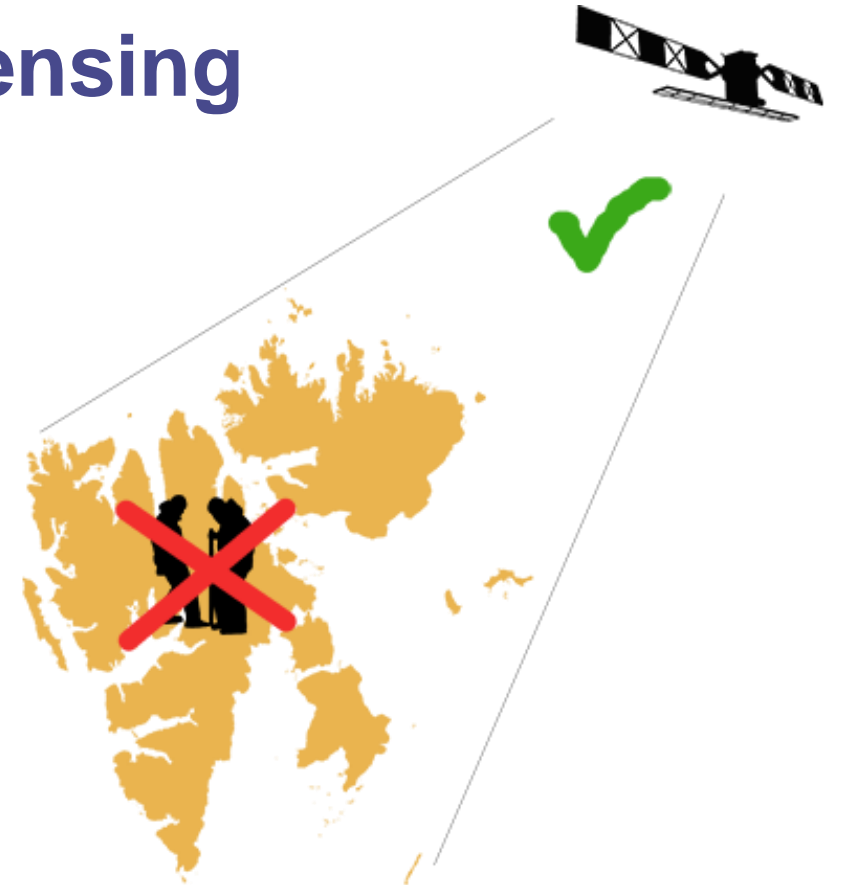
<https://sios-svalbard.org/logistic-notice-board>



Updates from SIOS-KC

Patch up your field data with Remote Sensing

Due to travel restrictions most planned field campaigns to Svalbard this year were cancelled.



If you think that RS data may be useful to fill your data gaps, please fill in the webform:

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

Updates from SIOS-KC

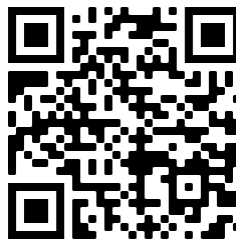
Multidisciplinary Workshop on snow research in Svalbard

Programme

- Deliverable 1: '**Agenda for the future of snow research in Svalbard**'
 - Document drafted by the task force
 - Potential **focal sites** for snow monitoring in Svalbard
 - **Remote sensing**/Earth observation of snow
 - Monitoring activities and **community based observations**
- Deliverable 2: '**Technology development**'
 - Exchange between researchers and engineers
 - Existing tools and potential innovation

Date and location

- 1-3 and 5 February (4 h/day) - online



Updates from SIOS-KC

Announcement of Opportunity (AO) in Airborne Remote Sensing



Image courtesy of NORCE

Second call will open in January 2021

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

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

Available funding

- approximate 25 flight hours using the Dornier aircraft
- approximate 50 flight hours using drones



Image courtesy of NORCE

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



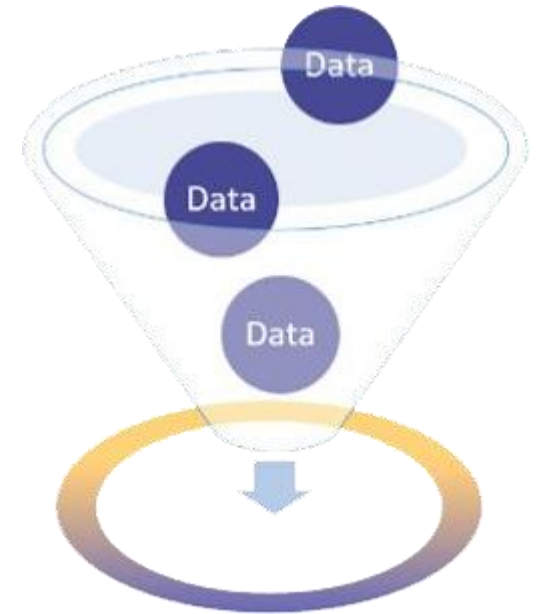
Updates from SIOS-KC

SIOS 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 at end of January 2021



Updates from SIOS-KC

SIOS Webinar #7:

Projects in the frame of the SIOS Research Infrastructure Access programme

12 February 2021

SIOS Webinar #8:

International Women's Day special edition Talks by women in Svalbard science

08 March 2021

SIOS webinar series Why?

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



Updates from SIOS-KC

SDMS WG Training Series 2021

When: February/March 2021

Where: online

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

Registration will be 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 til netCDF-CF
- How to create Darwin Core Archive



Updates from SIOS-KC

SIOS's Special Issue



remote sensing

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

Open for submission until 31st December 2021

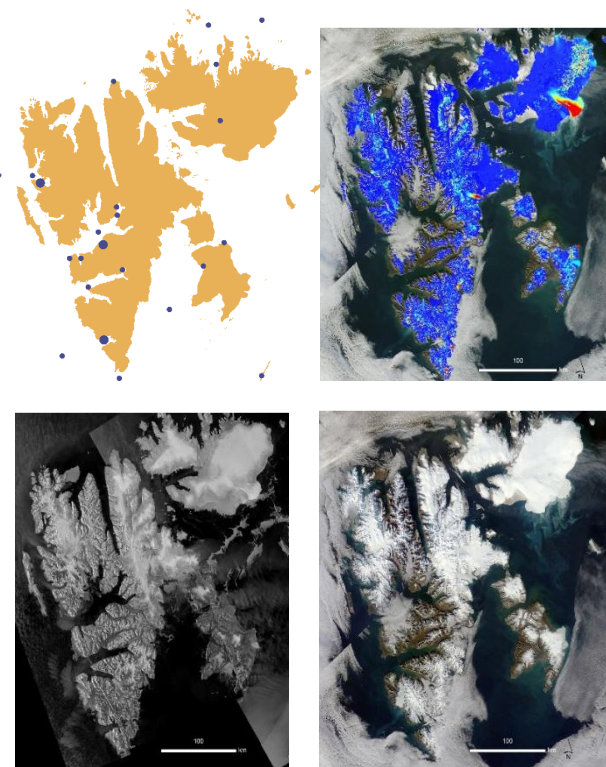
Special Discount on Article Processing Charge (APC)

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





William D. Harcourt

Contact



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Funders



Engineering and
Physical Sciences
Research Council



ECR Observer to the Remote Sensing Working Group (RSWG) of SIOS

Develop a unified platform
for satellite data availability
across Svalbard

Encouraging the
participation of ECRs in
SIOS activities

Meet the Early Career
researchers active in



PhD Student, University of St Andrews

“The application of
millimetre-wave radar to the
study of the cryosphere”

SIOS Access Project

Radar Monitoring of
Calving at Hansbreen
(RaMoCH)



Marta Moreno Ibáñez

Member of the Editorial Board for the SESS report 2020

PhD student in Earth and atmospheric sciences

Centre for the Study and Simulation of Regional-Scale Climate (ESCER)

University of Quebec in Montreal (UQÀM)



Research interests

- Polar meteorology
- Polar lows
- Atmospheric modelling

Other interests

- Science communication
- International collaborations
- Outdoor activities

Meet the Early Career
researchers active in



Looking for an opportunity to...

Conduct fieldwork

Contact: marta.moreno-ibanez@outlook.com



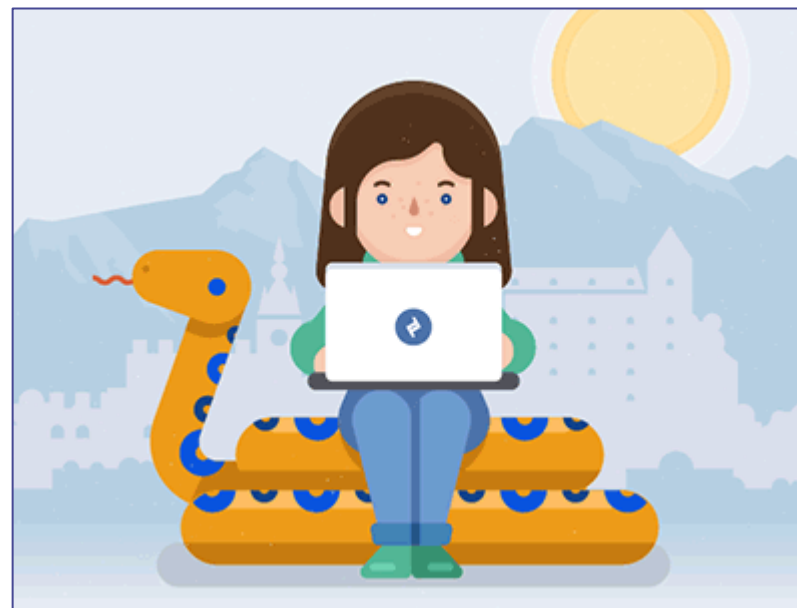
SIOS is looking for Scientific Data Programmer

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>

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 send at any time until further notice.

