Stockholm University

Bolin Centre for Climate Research

A collaboration between SU, KTH and SMHI

June 2024

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Norrköping treated participants at the Swedish Climate Symposium 2024 with beautiful weather! Photo: Laila Islamovic.

Bolin Centre Newsletter #6

Dear members of the Bolin Centre,

The directorate would like to thank all of you that attended and made the Swedish Climate Symposium 2024 a success! We are glad to see the Swedish climate research community getting stronger, and are happy to hear about the new collaboration that were formed and ideas that were exchanged in Norrköping. Please let us know your thoughts on the conference by answering this survey.

Be part of the Stockholm University Expert list
The university has a comprehensive contact list of experts within certain areas, among them being "Climate and climate change"**.** In an effort to make press and media activities more streamlined, we would like to encourage those of you that are interested to be part of the expert list to get in contact with Per Larsson: per.larsson@su.se. Please provide him with your area of expertise as well as contact information.

There is also a list for questions related to the European Election, please contact Per if you'd like to be listed as an expert here as well.

Survey on policy involvement
We would like to asses our members current involvement in policy related activities. Please take the time to fill out **this short survey** (takes about 5 min to complete), which will help us get a better understanding of what policy related acitivites that you find interesting and worth your time. Many thanks!

Save the dates for **Bolin Days on November 13 and 14, 2024**! Registration will open after the summer break.

Explore **Accelerator**, Stockholm University's contemporary art exhibition space. It's not just a place for art – it's where researchers and artists converge for interdisciplinary dialogues on pressing issues. Due to your expressed interest, we're now exploring collaboration opportunities. Keep an eye out for updates!

We wish you a great summer!
Kind regards,
Laila & Maria

NEWS



General Director of the SMHI, Håkan Writén, during the opening session of the Swedish Climate Symposium 2024. Photo: Laila Islamovic.

Swedish Climate Symposium 2024 – klimatvetenskap för samhället i tvärvetenskaplig konferens

Den 15-17 maj hölls den andra upplagan av Swedish Climate Symposium i Norrköping – en tvärvetenskaplig klimatkonferens med fokus på klimatvetenskap för samhället. Närmare 400 forskare, experter och samhällsaktörer deltog under dagarna. Under symposiet fick de tillfälle att dela med sig av och diskutera både samhälls- och naturvetenskapliga perspektiv på klimatfrågor.

Läs mer på SMHI.se



Nina Kirchner and Martin Jakobsson are leading the expedition. Preparations are now in full swing at Stockholm University. Photo: Ingmarie Andersson

Heading for Greenland to study melting glaciers

In August, the icebreaker Oden will go to northern Greenland's hard-to-reach waters. Researchers on board will study how much and how rapidly melting glaciers can contribute to raising global sea levels.

The expedition is coordinated by the Swedish Polar Research Secretariat. The two scientific leaders of the expedition are at Stockholm University. They are Martin Jakobsson, professor of marine geology and geophysics, and Nina Kirchner, professor of glaciology. Of the eleven research groups on board, seven are led from Stockholm University. About half of the researchers participating in the expedition work at Stockholm University and are active in areas such as marine geology, geophysics, geochemistry, glaciology, oceanography and palaeogenetics (ancient DNA). What they have in common is that their research is linked to the cryosphere – historically, today and in the future.

Read more



Pied flycatcher. Photo: Samyuktha Rajan

Wild birds possess genetic predispositions to learn population-specific songs

Genetic predispositions guide population-specific song learning in wild birds, shows new research from Stockholm University. By studying adult pied flycatchers that had been translocated as eggs from the Netherlands to Sweden, the researchers found that the songs of translocated birds resembled both their social environment in Sweden as well as their ancestral Dutch population. These results show how genetic differences can impact cultural change in birdsong and how they can together, contribute to mating barriers between bird populations.

Read more



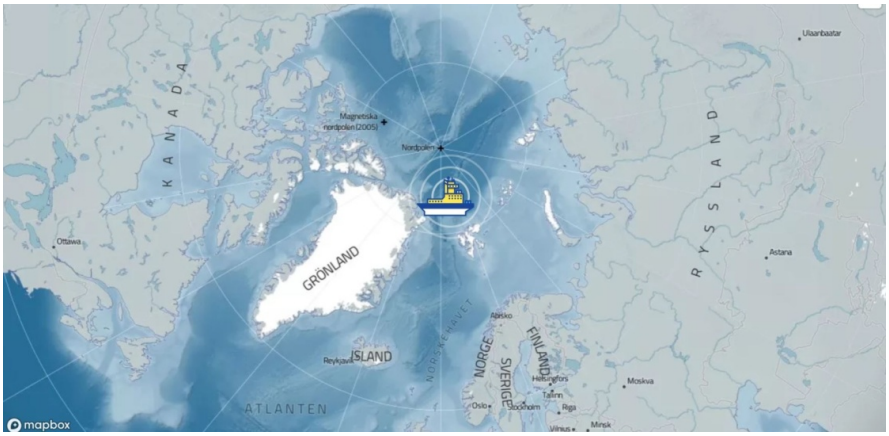
Curious highland cattle visiting the researchers working at the peat bog. Photo: Anders Götherström

Prehistoric storms and people in the Inner Hebrides

A small team of geologists and archaeologists from Stockholm University have just finished a field expedition to the Scottish island of Islay in the Inner Hebrides to look at the peat.

The island Islay is mainly known for its peaty whisky, but there are also other ways to use peat, not least in science. “It preserves a good record of past climate, I can use it to reconstruct changes in storm frequency over the last 9.000 years,” says Malin Kylander, associate professor at the Department of Geology, Stockholm University.

Read more



Map of the target area for the expedition ARTofMELT. Source: Mapbox/The Swedish Polar Research Secretariat.

"ARTofMELT WP 10 insides" by Julia Muchowski

The expedition ARTofMELT2023 (Atmospheric Rivers and the Onset of Sea Ice Melt 2023), led by researchers from Stockholm University, is embarking on a research expedition to the central Arctic Ocean. The aim is to gather unique observations of the processes that govern the transition from winter to summer in the high Arctic.

Julia Muchowski from the Department of Geological Sciences is the Principal Investigator (PI) for Work Package 10: Physical Oceanography, during the ARTofMELT2023 Expedition that set sail from Longyearbyen on Svalbard, Norway, on May 7. Julia and her team had the first deployment of the microstructure profiler on a helicopter station last week just before a storm came in.

Read more



Photo: Paul Zieger

Climate science education takes center stage at Kristineberg Marine Station

From May 6-16, 2024, the picturesque Kristineberg Marine Research Station in western Sweden hosted the 7th edition of the eScience course, “Data Analysis and Model Evaluation Tools in Environmental and Climate Science."

The event was co-sponsored by the Bolin Centre for Climate Research, CHESS, BRACE-MY, Stockholm University, the University of Oslo, and the H2020 project CRiceS.

Read more

OPPORTUNITIES

Funding opportunities from Stockholm Region (SWE)

Stockholms universitet och Region Stockholm har ett samarbetsavtal inom fem områden där det finns ett särskilt behov av forskningsinsatser. Syftet är bland annat att lösa en del av de samhälleliga utmaningar som finns inom områdena.

Utlysning av forskningsanslag
Ansökan av 2025 års forskningsanslag från Region Stockholm är öppen 19 april - 21 augusti 2024.
Projekt ska beröra för regionen relevanta utmaningar, projektmedel kan beviljas för 1-3 år med upp till 1 miljon kronor per projekt och år.
Läs mer här.

Postdoc and 2 PhD positions in Atmospheric science in Basel.

Postdoc in Atmospheric Sciences 80-100% Read more
Two PhD positions in Atmospheric Sciences 100% Read more

Atmospheric chemistry in cold environments Faraday Discussion

The CATCH Faraday Discussion "Atmospheric chemistry in cold environments" held at the Royal Society of Chemistry in London from 17 to 18 of February 2025.

The abstract deadline for oral presentations is approaching soon (3 June), while abstracts for posters can be submitted until December 9th.

Read more

Available job at Stockholm University Library as Data Coordinator/Data Steward

Stockholm University is a driving force in national and regional cooperation on infrastructure matters and offers appropriate and high-quality research infrastructure. The university actively works towards the transition to open science. We are now looking for a data steward for our central research data group, who will play an important role in our continued work. The research data group is organizationally placed under the university library but works university-wide, providing support and services for effective research data management to researchers. Within the group, there are several data stewards/investigators with different areas of responsibility, while the overall development and prioritization occur jointly. The group is supported by an archivist and works closely with other specialist competencies regarding open science and research data.

Read the whole announcement **in Swedish** here:
https://www.su.se/om-universitetet/jobba-p%C3%A5-su/lediga-jobb?rmpage=job&rmjob=23678&rmlang=SE

FORSKAR FREDAG

En del av European Researchers' Night

Do you want to be a part of ForskarFredag 2024?

Bolin Centre is planning to participate in ForskarFredag 2024, which will take place on **September 27th,** and this year's theme is ""Research in our everyday day".

ForskarFredag aims to promote interest in science among high school children and is organized by universities, science centers, museums, etc., across the whole of Sweden. The event is coordinated by Vetenskap & Allmänhet and Vetenskapenshuset. A range of activities is planned, including experiments, demonstrations, shows, exhibitions, science cafés, and small group talks. These exciting activities allow engagement and meetings with researchers. The events aim to showcase that researchers are ordinary people with extraordinary jobs and that research relies on communication and cooperation.
At AlbaNova Campus, Bolin Centre's researchers will showcase practical experiments illustrating climate science. It's a unique opportunity for participants to learn more about fascinating climate research and for researchers to exercise their communication skills. Knowing Swedish is not necessary.

If you would like to be part of this event or get more information about it, please email your interest to: stella.papadopoulou@aces.su.se

CALENDAR

Bolin Centre Events

10 JUNE

RT3 Full Day Workshop

Time: 09.30 - 18.00
Place: Villa Källhagen, Djurgårdsbrunnsvägen, Stockholm
As member of RT 3, "Past climates", of the Bolin Centre for Climate Research, Stockholm University, you are invited to a full day workshop on Monday June 10 at Villa Källhagen on Djurgården in Stockholm.
For late registration please contact Fredrik Charpentier Ljungqvist (fredrik.c.l@historia.su.se)

10 JUNE

FORCeS Nordic Seminar

Time: 14.00 - 15.00
Place: Magnélisalen, Svante Arrhenius väg 12D, & Online (Zoom)
https://stockholmuniversity.zoom.us/j/62310730114

The radiative forcing from aerosols and aerosol-cloud interactions has long been listed as a major source of uncertainty in climate projections. Within the H2020 project FORCeS, we have worked towards improved process understanding and constraints on this forcing. The project has now wrapped up, and the FORCeS Final Scientific Summary Report has just been published.

With this, **we would like to invite you to a seminar** where we will share our findings and what this new knowledge implies for policy- and decisionmakers, and the 2-degree target.

13 JUNE

SUESS Seminar - Malte Posselt

Time: 14.00 - 15.00
Place: Högbomsalen, Geovetenskapens hus
Measuring Biodegradation in Rivers
Read more

18 JUNE

Seminar, Suraj Singh, post-doc at MISU

Time: 11.15 - 12.15
Place: C609 Rossbysalen, MISU, Svante Arrhenius väg 16C, 6th floor
Title: TBA
Read more

13-14 NOVEMBER

Save the date! Bolin Days 2024

External events

5
JUNE

Researcher's Desk Seminar Series (in Swedish)

Time: 12.00 - 13.00
Location: Online via Zoom Webinar
https://us02web.zoom.us/j/6639856178.

Therese Bergstedt och Mikael Törnwall från Svenska Dagbladet kommer att föreläsa om hur forskare bör tänka när de kontaktar journalister.
This is the final seminar for the spring term, so please do join us!

19
JUNE

KI Contributes: Rising Waters, Rising Health Challenges - What can we learn from the Italian flood experience?

Time: 13.00 - 15.00
Location: Online via Zoom Webinar
Register here.

Floods and other forms of extreme weather events are occurring ever more frequently, and societies must prepare for it, on a national, regional and local level. In this webinar we will focus on how research can contribute to increased preparedness and improved response.

Find the programme here.

12-13
SEPTEMBER

REIS: Bootcamp for ERC applicants

The bootcamp is intended for researchers at SU that plan to apply for either Starting or Consolidator Grant in the autumn/winter 2024/2025 (compare deadlines above). By spending two days focusing on the ERC proposal and getting feedback from other participants and researchers with extensive ERC knowledge you can improve the quality of your proposal.

You need to register your interest by 9 June at latest.

Read more and register your interest here

PUBLICATIONS & MEDIA

Bolin researchers in media

- Gustaf Hugelius in Svenska Dagbladet on 9th May (SWE): "Svalbards döda tvingas flytta när klimatet förändras"
- Gunilla Svensson in Dagens Nyheter on 27th May (SWE): "Därför blir den farliga turbulensen allt vanligare"
- Regina Lindborg in Svenska Dagbladet on 27th May (SWE): "Färre kor på bete kan slå mot flera arter"
- Michael Tjernström in the podcast "Om Vetenskap" by Stiftelsen för Strategisk Forskning, listen to the episode "Smältande poler".

Bolin Centre publications

As part of our ongoing efforts to keep our community updated and informed, we encourage you to share your recent publications with us by emailing bolin@su.se. By doing so, we can ensure that our list of scientific journal publications remains comprehensive and up to date.

Here you will find the list of recent publications at bolin.su.se/publications

The Bolin Centre Annual Reports summarize the scientific achievements of the Bolin Centre and its scientists throughout the years and outline main activities. You will find our Annual Report here

NEWS FROM THE ECR NETWORK & CLIMATE RESEARCH SCHOOL (CRS)

Dear ECRs at Bolin Centre,
To conclude this term with three successful Bolin ECR fika meetings, we would like to invite you to join us for an evening at the pub!
We are aiming for the last Friday before midsummer, **Friday June 14th**, at Tegellådan in Ropsten. The idea is that we meet at 17:00 outside **Gröna Villan** for those who would like to walk there together through the park (it's a very nice walk) or meet there latest at 18:00. If you'd like to join, please sign up **before June 7th** using this google form, so we can book a big enough table (OBS, no official university template this time):
https://forms.gle/Lqz8eix26Cm5VoKBA
We're looking forward to seeing you there!
Cheers,
Alex, Jonathan & Flor

NEWS FROM RESEARCHER'S DESK

Dear Members of Researchers' Desk,
Here are this week's information points:

1. **Researchers' Desk – Seminar Series**
On Wednesday at 12 noon: Therese Bergstedt och Mikael Törnwall från Svenska Dagbladet kommer att föreläsa om hur forskare bör tänka när de kontaktar journalister. The Zoom link is: https://us02web.zoom.us/j/6639856178. This is the final seminar for the spring term, so please do join us!

2. Recommendations from our members:
- Timothée Parrique / The Great Simplification: "Degrowth: Slow is the New Cool"

3. Calendar of **up-and-coming events**:
- June 3, Medelhavsmuseet, Stockholm – Boksläpp och mingel: **Brain Train: en handbok för gröna och kreativa arbetsresor** av Isak Svensson, Desirée Nilsson, och Mimmi Söderberg Kovacs. Registrera dig här.
- June 5 (10–11.45), Stockholm or online: Seminar by Malcolm Fairbrother – "Explaining Environmental Successes and Failures." More information can be found here.
- June 9 – EU election / EU-valet.

4. This is the seminar line up (so far) for the Autumn semester. I have received lots of great suggestions for speakers and I will update this list during the summer:
- Sep 4 – Maya Sundsten, International Cryosphere Climate Initiative: Science-led Policymaking, the Obstacles and What (Sometimes) Works.
- Sep 11 – Cecilia Lundholm, Professor, Stockholm University on school pupil´s values and beliefs regarding policy responses to climate change and climate change education.
- Sep 18 – Caroline Greiser, Researcher, Stockholm University – "Drier soils lead to warmer forests."
- Sep 25 – Christoffer Söderlund Kanarp, SLU – "From imagination to practical consciousness – Meaning making in climate change adaptation"
- Oct 9 – Ria Dunkley, Senior Lecturer, University of Glasgow – "Pathways to Climate Equity: Perspectives on Advocacy and Action."

5. During the summer, Monday e-mails will be sent out sporadically, when I have information to share with you. In the meantime, I hope you all have a wonderful summer!

Best wishes,
Alasdair Skelton
Professor of Geochemistry and Petrology
Chairperson of Researchers' Desk

Profile Products

If you need Bolin Centre logos or promotional material for your upcoming presentations, reports, or other activities, please feel free to get in touch. We have stickers with our logo, T-shirts (limited sizes, mostly XL-2XL), bags and buffs.

To make a request, kindly reach out to Maria Basova at maria.basova@aces.su.se, and we will be more than happy to assist you.

All members of the Bolin Centre receive the Bolin Centre Newsletter once a month, which presents our current activities and latest news.

If you have suggestions or research that you would like to share in upcoming newsletters, please contact bolin@su.se.
Please note that the newsletter is typically sent once a month.

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SOCIAL MEDIA