



[CAIS-ECAC summer school Kosetice announcement
2024.pdf](#)
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Stockholm
University

Bolin Centre for Climate Research

A collaboration between Stockholm University, KTH
and SMHI

February 2024

[Click here to view the newsletter in your web browser](#)



Photo: Maria Basova

Bolin Centre Newsletter #2, 2024

Dear Bolin Centre members,

As the lights gradually come back and winter nears its end, we are eagerly looking forward to spring, with exciting events awaiting us.

Check the calendar for all upcoming seminars and meetings.

We would like to inform you of an important update regarding [the upcoming Bolin Climate Lecture](#). Due to unforeseen circumstances, the Aula Magna venue [will be temporarily closed](#) during the spring. As a result, the Bolin Climate Lecture will be relocated to another venue, and we will provide additional updates to registered participants as soon as it is confirmed. Please note that the number of available spots may be limited. If you haven't already signed up, we encourage you to do so to secure your place and remember to check our webpage for further updates.

A gentle reminder that we have migrated the member base to the SU server. If you missed re-signing, please follow the link below:

<https://su.powerinit.com/Data/Event/EventTemplates/2602/?EventId=2751>

The call for nominations for the RT1 leader position has closed, and the selection process has begun. We will inform you about the results in the next newsletter.

Don't miss to register for the Swedish Climate Symposium!

[Registration is open – click to register by the 15th of April](#)

We will keep you informed about the latest news in our monthly Newsletter. We aim to make the Newsletter a valuable source of information, inspiration, and research exchange. We need your help with this, so please don't forget to share any information you'd like to see published in the upcoming Newsletter by sending it to bolin@su.se.

On behalf of the Bolin Centre's Directorate
Maria Basova



Registration is open. Deadline - 15 April!

SMHI, the Strategic Research Areas MERGE and BECC, and the Bolin Centre for Climate Research invite you to the 2nd Swedish Climate Symposium on 15–17 May, 2024, in Norrköping, Sweden.

Call for Abstracts is now closed.

[Registration open – click to register by the 15th of April](#)

The symposium preliminary **program** is available [here](#).

The Bolin Centre will co-fund attendance by paying the conference fee for all Bolin Centre members hired at SU or KTH (contact bolin@su.se). Early Career Researchers (PhD-students and Post-docs) can apply for a travel grant to cover train and accommodation expenses through the Bolin Centre Climate Research School (contact carmen.prieto@natgeo.su.se).

[Read more](#)

Mapping the unexplored impact of forest on climate

Plants release chemical compounds that impact clouds, and thereby the climate on Earth. Researchers are examining this chain of events in a project involving field trials in Swedish coniferous forests and in tropical rain forests, as well as theory development. The aim is to improve our climate models.



Photo: Sören Andersson

[Read more](#)

New study sheds new light on forests' role in climate and water cycle

Forests, which cover a third of Earth's land surface, are pivotal in carbon storage and the water cycle, though the full scope of their impact remains to be fully understood. In a new study published in Nature Communications, researchers from Stockholm University and international colleagues provide new insights into the complex role forests play in the climate system and water cycle.

[Read more](#)



Photo: Maria Basova

Aerosol-cloud project will increase reliability of climate models

There are large gaps in the knowledge of the relationship between aerosols and clouds, which makes it the largest uncertainty factor in climate models. Annica Ekman, Department of Meteorology, and Paul Zieger, Department of Environmental Science, have received funding for the project "Clouds and climate transitioning to post-fossil aerosol regime: CleanCloud" from Horizon Europe. The project aims at substantially increasing the knowledge about the interplay between aerosols and clouds and improving the representation of related processes in climate models.

[Read more](#)



CleanCloud project logo

[The European Aerosol Conference](#) 2024 25.8 – 30.8.2024 Tampere, Finland
Abstract submission extended until a **final deadline of 29th of February**
[Read more here](#)

For the students, there is the possibility of getting **travel support from GAeF**.
More details here: <https://www.info.gaef.de/services>

Chalmers University of Technology in Gothenburg, Sweden has issued a **university-wide call for up to 7 tenure-track positions for the role of Assistant Professor in Basic Science**. Additionally, there is one tenure-track Assistant Professor position opening in the thematic area of Space technology, and a similar opening in Ocean.
[More information](#)

NBIS will hold a [one-week workshop on Neural Networks and Deep Learning at BMC](#) in Uppsala May, 20-24. The application form is open and will close on April 10. The course has a fee of 3000 sek which will cover lunches, coffee and snacks. You can find all the relevant information [here](#). All researchers in the life sciences community are welcome to apply, especially PhD students.

Attached you find the announcement for **the CAIS-ECAC aerosol in-situ summer school** to be held again at the ACTRIS Observatory Kosetice, Czech Republic, from April 14 to 20, 2024. In the attached pdf, you will find more information and the link for the application.

The ARTofMELT Open Science Workshop, 22-24 April 2024: <https://forms.gle/f4SWVSzq2zEXdxSv9>

Academic Writing Service

The Academic Writing Service provides English-language support for writing and study skills. They give talks and seminars and offer individual guidance. Their services are available free of charge to all students at Stockholm University.
[Read more here](#)

News from Researchers' Desk

Researchers' Desk – Seminar Series

Below you will find the schedule for **up-and-coming seminars at Researchers' Desk**.

Most seminars are from 12 noon to 1 p.m. via Zoom. A link is sent out on the Monday before each seminar.

Feb 21 – Karin Gerhardt, Forskare, Sveriges lantbruksuniversitet, om spannmålsproduktion i framtidens extremväder.

Mar 6 – Kristoffer Hylander, Professor, Stockholm University "Coffee management, biodiversity and climate change in coffee's indigenous range in Ethiopia".

Mar 13 – Laila Islamovic, Communicator at the Bolin Centre for Climate Research - Cognitive Currents: Unraveling the Psyche of Climate Change Communication.

Mar 20 – Anna Jonsson and Andrew Simms: "Badvertising - how climate chaos is being promoted & how to stop it."

Apr 10 – Gustaf Hugelius, Professor, Stockholm University: How thawing permafrost affects the global climate, ecosystems and Arctic peoples.

Apr 17 – Professor Doctor Gert-Jan Nabburg, Wageningen University, on the role of global and European forests in climate mitigation; What does IPCC say?

May 8 – Eric Secher on: Enough is still enough.

May 15 – Astrid Nilsson Lewis, Oxfam, on climate equality.

May 29 – Paul Glantz on the humidity paradox of climate change

Jun 5 – Therese Bergstedt och Mikael Törnwall från Svenska Dagbladet om hur forskare bör tänka när de kontakter journalister.

To get more engaged with the Researchers' Desk, please contact: Alasdair Skelton (alasdair.skelton@geo.su.se)

CALENDAR

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FEBRUARY

The Climate and Environmental History Seminar: Speculative environmental histories and the politics (RT3 Seminar series)

Time: 15.00 – 17.00

Location: Department of History, room D837 and via Zoom

Dr. Chakad Ojani, Department of Cultural Anthropology and Ethnology, Uppsala University, presents at the seminar, on the topic "Speculative environmental histories and the politics of place: An ethnography of fog capture in Lima, Peru"

[Read more](#)

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FEBRUARY

ECRs Network Fika Meeting

When: February 21

Time: 15.00 to 17.00.

Where: in the Kitchen area on the 4th floor, Geoscience building.

Let's meet and discuss our plans for 2024 and what you would like the ECRs Network and the Climate Research School (CRS) to be.

Registration is closed. For late registration, please contact Maria Basova (maria.basova@aces.su.se)

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FEBRUARY

SEMINAR: Microbial eco-evolutionary feedbacks to carbon cycling and climate change

Date: Wednesday 28 February 2024

Time: 13.00 – 14.00

Location: Högbom lecture hall, Geoscience building
Seminar by Dr. Elsa Abs

[Find the abstract here](#)

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MAY

Science Seminar and Bolin Climate Lecture 2024

This year's lecture "**When giants falter: Tipping points in Greenland and Antarctica**" is given by Professor Ricarda Winkelmann from the University of Potsdam and PIK. With expertise in climate system analysis and ice dynamics, Professor Winkelmann will delve into critical thresholds of ice-sheet stability and will shed light on the potential impacts of Greenland and Antarctica's ice dynamics on global sea-level rise and climate change. Her insights, gained through extensive research offer a unique perspective on the future of our planet.

Radio Programme about interplay between aerosols and climate change

The curse - and blessing - of Air Pollution

In a recent segment aired on January 25th on Vetenskapsradion Klotet with the director Ilona Riipinen, the focus was on aerosols, among other topics. These are the small airborne particles that have become significantly more numerous due to the burning of fossil fuels. However, particles in the air can have a cooling effect as some reflect sunlight. With, for example, reduced sulfur emissions from ship traffic, more solar heat reaches the earth. This study sheds light on the complex interplay between aerosols and climate change, a topic explored in-depth in Vetenskapsradions programme Klotet.

[Listen in Swedish here](#)

The Gulf Stream in media focus

Some of Sweden's leading researchers in the field question the study on how the Gulf Stream could collapse and lead to rapid and extreme cooling in northern Europe.

Frederik Schenk, Department of Geological Sciences (IGV) and Léon Chafik, Department of Meteorology (MISU), explain why the results of the new study are questioned.

[See the clip here on Rapport, SVT \(in Swedish\)](#)

Stop raising the alarm that the Gulf Stream is collapsing

Melting glaciers add fresh water that could cause the Gulf Stream to change direction, according to a computer simulation. But it is far from certain that it will happen in reality, writes Léon Chafik in Forskning & Framsteg.

"I am calling for a more nuanced discussion about the future of the Gulf Stream. While there is cause for concern, it should be based on sound science and extensive observations that continuously monitor the strength of the Gulf Stream."

[Read the entire article at Forskning & Framsteg \(only in Swedish\)](#)

Gulf Stream Collapse Threats and New February Heat Records: Is the World Ending?

Bolin Centre researcher Thorsten Mauritsen from MISU is in Svenska Yle.

[Read the article \(only in Swedish\)](#)

Climate scientist: "A collapse of the Gulf Stream is very far in the future"

Bolin Centre researcher Leon Chafik is in DN.

[Read the article \(only in Swedish\)](#)

Rising seas a growing problem for Sweden

Bolin Centre researcher Michael Tjänström is in DN.

[Read the article \(only in Swedish\)](#)

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 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 Report 2022** summarizes the scientific achievements of the Bolin Centre and its scientists throughout the preceding year and outlines plans.

[You will find our recent report here](#)

NEWS FROM THE CLIMATE RESEARCH SCHOOL (CRS)

Welcome to Bolin Centre's Early Career Researchers (ECRs) Network Fika Meeting

When: February 21, from 15.00 to 17.00.

Where: in the Kitchen area on the 4th floor, Geoscience building.

Let's meet and discuss our plans for 2024 and what you would like the ECRs Network and the Climate Research School (CRS) to be.

Registration is closed. For late registration, please contact Maria Basova (maria.basova@aces.su.se)

Travel support for ECRs at CRS

The Bolin CRS is going to provide regular travel support for PhD students to participate in climate-related conferences and courses in addition to the support to ECRs for participation **in the Swedish Climate Symposium** this spring. Please remember that the **upcoming deadline** to apply for regular support is **March 1**. More information and an updated application form are found on the CRS website: <https://www.su.se/bolin-centre-for-climate-research/research/research-school>

Book "En varmare värld" (A Warmer World) by Naturvårdsverket

We want to remind you that the third edition of "En varmare värld" (A Warmer World) by the Swedish Environmental Protection Agency (Naturvårdsverket) is still available at the Bolin Centre as a printed copy in Swedish. This is a great opportunity to get the book about fundamental processes and for those who want to understand the complex issue of climate change and its consequences.

You can get the book by contacting bolin@su.se.

Promotional material

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 (all sizes, except M), 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, 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.

Editor: Maria Basova (Coordination)

Bolin Centre for Climate Research

Contact: bolin@su.se

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SOCIAL MEDIA

