Stockholm University

Bolin Centre for Climate Research

A collaboration between Stockholm University, KTH and SMHI

March 2024

Click here to view the newsletter in your web browser

Bolin Centre Newsletter #3, 2024

Dear Bolin Centre members,

Spring is in the air! Over the past few days, there's been a real sense of spring, and we're excited about the opportunities it will bring.

Firstly, a reminder to register for the Swedish Climate Symposium!
Registration is open – click to register by the 15th of April.
Early Career Researchers (ECRs) at the Bolin Centre can apply for travel and accommodation support from Climate Research School until the 5th of April (more details below).

Secondly, an important update regarding the upcoming Bolin Climate Lecture: Please note that the venue has changed to **KVA at Beijersalen.** Available spots are limited, and half of them are already booked. If you haven't signed up yet, we encourage you to do so to secure your place.

We are happy to announce that the call for nominations for the RT1 leader position has closed, and we are pleased to welcome two new leaders: **Geert Brethouwer** from FLOW, Department of Engineering Mechanics at KTH, and **Ramón Fuentes-Franco**, from the Rossby Centre at SMHI. Congratulations Geert and Ramón! We look forward to your increased engagement in the Science Advisory Group and interaction with the network.

We have finalized the recruitment process for the post-doctoral fellows and are pleased to present our **new Bolin Fellows**: Jingyan Li, Geert Hensgens, Mohammad Razmjooei, Marc Fradera Solar. Warmest welcome to our community!

As part of our continuous commitment to keeping our community well-informed, we invite you to share any recent publications you may have. Kindly send them to Laila.Islamovic@aces.su.se. Your contributions will help to keep our list of scientific publications up-to-date. Please consider sending us your latest work.

And finally, a gentle reminder that we've migrated the member base to the SU server. If you missed re-signing, please follow the link:
https://su.powerinit.com/Data/Event/EventTemplates/2602/?EventId=2751

We'll 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

NEWS



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.
Registration is open – click to register by the 15th of April
The symposium **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 maria.basova@aces.su.se). ***The deadline for travel grants is the 5th of April.***

Read more



Rahul Ranjan (left) and Shubham Singh (right). Photo: Private

Bridging skies and fields: two Indian students’ journey to empower farmers with accurate forecasts

In the lush landscapes of India, where over 50% of the population depends on agriculture, weather forecasts can mean the difference between prosperity and devastation. Two Indian PhD students, Rahul Ranjan and Shubham Singh, friends with a shared passion for meteorology, are pioneering a transformation in weather forecasting to support these farmers. Their journey, from the halls of Stockholm- and Lund Universities in Sweden back to the rural heartlands of India, is a story of creativity, dedication, and hope.

Read more

Flying laboratory has landed in Kiruna



The C-130 Hercules airplane at Kiruna Airport. Photo: Michael Tjernström

An American Hercules airplane visits Kiruna until the beginning of April. The visit is part of a research project to better understand outbreaks of cold air over the Arctic.
On Sunday, February 25, a large American C-130 Hercules airplane landed at Kiruna Airport. It belongs to the National Center for Atmospheric Research (NCAR) and is part of the research project CAESAR (Cold Air Outbreak Experiment in the Sub-Arctic Region). The aircraft is a flying laboratory equipped with instruments to measure the atmosphere both where it flies and with the help of remote sensing such as radar and lidar, both above and below the aircraft.
Read more

Interview with Professor Michael Tjernström about the research flight and investigation into Arctic cold air outbreaks at **P4 Norrbotten** in Swedish, available here

Oceanography in practice



Course participants at R/V Electra. Photo: Michaela Lundell

The newly built drifter balances at the end of the four-metre-long boat hook. In a few seconds it will be launched and tested for the first time. At best, it will provide measurement data and can soon be picked up again. At worst, it disappears, forever.
Read more

News from Authorities networks for Climate Adaptation

Theme: Infectious Diseases
Extreme weather events can increase the risk of infectious disease outbreaks, and some diseases may become more common as average temperatures rise and the growing season lengthens. A changing climate also increases the risk of infection spreading through food and water.
Read more in Swedish

EEA Report No 7/2022
Climate change as a threat to health and well-being in Europe: focus on heat and infectious diseases
This report draws on knowledge developed for the European Climate and Health Observatory. It focuses on the impact high temperatures are having on the population, as well as another emerging threat: the spread of climate-sensitive infectious diseases.


Photo: Jens Olof Lasthein

Gia Destouni is elected to the US National Academy of Engineering

On February 6, Gia Destouni was elected as an international member of The National Academy of Engineering (NAE), one of the highest honours in engineering.

Read more



Gia on the Water festival 2022 in Stockholm. Photo: Ingmarie Andersson, SU.

A New Member of the Royal Swedish Academy of Sciences!

In January, the Royal Swedish Academy of Sciences welcomed Love Dalén, a professor at the Department of Zoology at Stockholm University, to its ranks, representing the biosciences class.
We congratulate Love Dalén for this well-deserved recognition.


Photo: Sören Andersson



The winners and runners up in the competition on climate and health visited KTH Climate Action Centre for the award ceremony. Photo: www.kth.se

Winners of climate and health competition

The winners have been determined for the climate and health competition within the Stockholm Trio collaboration.
We are pleased to announce the winners of the recent Climate and Health Student competition, a collaborative effort between KTH Climate Action Centre, the Bolin Centre at Stockholm University, and the Centre for Health Crises and the Centre of Excellence for Sustainable Health at Karolinska Institutet. This competition aimed to address pressing challenges related to climate change and public health.

Read more

OPPORTUNITIES

Post-doc position on soil microbes and microclimate across forest types
Read more and apply here
application deadline: 28 March 2024

Lecturer in Physical Climate Science at the University of Leeds
Read more
Closing date 12 March 2014

Laboratory Technician at the Biogeochemistry Unit
a full-time Laboratory Technician to function as support to ongoing research activities, and be the main responsible person for the core biogeochemistry analyses.
Read more

Statistical consulting
The Statistical research group (Statistiska forskningsgruppen, SFG) at the Department of Mathematics has for many years provided statistical support to PhD students and researchers. This activity is a Core facility at the SU Faculty of Science which means that master students, PhD students and researchers associated with the faculty are offered statistical consultation free of charge.
To apply for consultation, please contact SFG's director Jan-Olov Persson by e-mail sfg@math.su.se.
You can find more information about SFG 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.

Ma12 mars 11:30 – 14:00: **Stockholm - kommunicera klimatfrågan inför EU-valet!** Ett seminarium med Frida Berry Eklund och Pia Björstrand (Arrangörer: Klimataktion, Naturskyddsföreningen, Greenpeace och Klimatriksdagen). Mer information finns här.
Mar 20 – Anna Jonsson and Andrew Simms: "Badvertising - how climate chaos is being promoted & how to stop it."
Mar 27 – Gun Rudquist, Head of Policy, Baltic Sea Centre: "Bridging the gap between science and policy."
Apr 10 – Gustaf Hugelius, Professor, Stockholm University: How thawing permafrost affects the global climate, ecosystems and Arctic peoples.
Apr 17 – Professor Doctor Gert-Jan Nabburs, Wageningen University, on the role of global and European forests in climate mitigation; What does IPCC say?
Apr 24 – Professor Björn-Ola Linnér, Linköping University, on the politics of a just transition.
May 8 – Eric Secher on: Enough is still enough.
May 15 – Astrid Nilsson Lewis, Oxfam, on climate inequality.
May 22 – Katrin Uba, Senior Lecturer, Uppsala University: "Defenders of the status quo? The role of protests in Swedish energy politics."
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 kontaktar journalister.
Sep 11 – Cecilia Lundholm, Professor, Stockholm University on school pupil´s values and beliefs regarding policy responses to climate change and climate change education.

Researchers' Desk's **website**: Contact me to suggest literature, links, reports, to add or update your profile (Researchers and Friends), to add to our FAQ page, or to write a post for our blog.

Recommended reading:
- Aftonbladet: 19 skogsforskare: Sveriges skogsbruk är inte hållbart, ministern
- Nature Climate Change: Evidence on the actual and perceived support for climate action
- Aktuell Hållbarhet: Läkare för miljön kräver att SR behåller klimatkorrespondent
- Naturskyddsföreningen: Tre av fyra vill se politik som når klimatmålen

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

CALENDAR

20 MARCH

Temporal scale changes in species distributions in Store Mosse bog, south-central Sweden

IGV Research seminar/PhD research seminar series
Time: 15.00 – 16.00
Location: William-Olsson lecture hall, Geohuset

Read more

8 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.

Seminar: 10.00 - 11-00 (De Geer)
Lecture: 14.00 - 15.00 (KVA, Beijersalen)

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.

Register here

15-17 MAY

Swedish Climate Symposium 2024

Climate Research: Science, Society, Responses
Climate research for society: understanding the science, investigating environmental and societal implications and exploring governance responses.
SMHI, the Strategic Research Areas MERGE and BECC, and the Bolin Centre for Climate Research invites to the 2nd Swedish Climate Symposium on 15–17 May, 2024, in Norrköping, Sweden.
Registration is open until 15 April

27-29 MAY

5th International PalaeoArc Conference

The Conference will be organized at Stockholm University, The Swedish Museum of Natural History and the Royal Swedish Academy of Sciences over 3 days (Monday May 27–Wednesday May 29), with an optional pre-conference excursion (Sunday May 26).
The scientific session on *Wednesday May 29* will be dedicated to presentations on Arctic/sub-Arctic paleoclimates of the last interglacial. This session will be run jointly with a smaller targeted workshop entitled: **LIGA: Spatial Patterns of Last Interglacial Arctic climate change (LIGA)** that will continue on the

PUBLICATIONS & MEDIA

FILM: How glaciers can predict global warming | Glaciologist Nina Kirchner

At the Tarfala Research Station, located east of Mount Kebnekaise, glaciological and alpine research is conducted. Researchers from all over the world come here to conduct fieldwork. Director Nina Kirchner utilizes her original knowledge of mathematics to measure and study the glacier, along with fellow researchers specialized in geology, hydrology, glaciology, etc.
Stockholm University's Tarfala station is also a prime example of the strength of cooperation and academic international exchange.
Watch here

Workshop with The Conversation to reach out internationally
EVENT
Date: 25 March 2024, 1.00 PM - 25 March 2024, 3.15 PM
Venue: "Växthuset", University Library
The Conversation publishes popular science research news for an international audience, reaching millions of readers each month. On March 25, Miriam Frankel, editor from London, holds a workshop for researchers at Stockholm University who want to learn how to reach out.
Maximum 30 participants.
After the workshop, there is an opportunity for individual conversations (10 minutes per person) to discuss article ideas with Miriam Frankel.
Registration (no later than March 20) and questions: Contact Per Larsson at the Communications Department, per.larsson@su.se
Read more

Researchers meet Media
EVENT
Date: April 9, 2024, 09:00 - 13:00
Location: Bloms Pavilion
A half-day media training in Swedish focused on practical interview skills.
The training aims to enhance researchers' abilities in media interactions and interview situations. It includes a one-hour theoretical session covering support from the Communication Department, journalism, and the conditions of journalism, followed by a two-hour practical interview training.
The course is free of charge, but registration is binding.
The number of seats is limited to 8, so register early to secure your spot.
For registration or questions about the course, please contact Johnny Bergenholtz-Foglander at johnny.foglander@su.se.
Read more

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 ECRS NETWORK AND THE CLIMATE RESEARCH SCHOOL (CRS)

Travel support for ECRs attending the Swedish Climate Symposium.
Please don't forget to register here: https://swedishclimatesymposium.com/registration/
To apply for support, please send your travel preferences to maria.basova@aces.su.se as soon as you register. We will make a group booking for both the hotel and train tickets to minimize administration and reimbursement. The **deadline for applying for support is April 5th** due to the group booking.

We have started the **ECRs mailing list**, which will serve as a platform for communication among Early Career Researchers (ECRs) at the Bolin Centre.
To be included, you need to tick the box "Yes" for the question - Would you like to be a part of the Early Career Research Network and the Climate Research School? in the membership application or send a request to maria.basova@aces.su.se.
To send an email to the list, simply address it to: bolinecr-at-lists.su.se@lists.su.se

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

Click here to unsubscribe

SOCIAL MEDIA