



September 2024

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Photo: Clément Morin

Bolin Centre Newsletter #8

Dear Bolin Centre members,

On behalf of the centre's directorate, we would like to wish you all welcome back from your summer vacation and/or field trips! We hope you all got to enjoy some nice weather, relaxation and quality time with friends and family.

We would also like to welcome **Chiara Paleari** to the Bolin Centre, as she just joined us as a Bolin Fellow alongside Jingyuan Li (RT1), Mohammad Razmjooei (RT3), and Marc Fradera-Soler (RT4). Chiara will join Research Theme 2: "Water, biogeochemistry and climate", and will be working with Margareta Hansson, Stefan Wastegård, Arjen Stroeven and Matthew O'Regan. Get to know Chiara in the short interview below.

The call for nominations for the 2025 Bert Bolin Climate Lecture is now open!

The Bolin Centre for Climate Research is named in honour of Professor Bert Bolin, a former Professor of Meteorology at Stockholm University. Each year, a distinguished Bert Bolin Climate Lecturer is invited to Stockholm to deliver a popular science lecture and a science seminar at the Bolin Centre for Climate Research.

For more information and the nomination template, visit:

<https://www.su.se/bolin-centre-for-climate-research/news/bert-bolin-climate-lecture-call-for-nominations-for-2025-1.760332>

Deadline for nominations: **October 1, 2024.**

Please save the dates for the **Bolin Days on 13-14 November, 2024!**

Registration will open next week.



Photo: Chiara Paleari

Welcome Chiara Paleari - our new Bolin Fellow!

Chiara is from Italy, but did her PhD at the Department of Geology at Lund University, where she used cosmogenic radionuclides in ice core to reconstruct past solar storms. Her current research focuses on exploring the impact of volcanic eruptions on ^{10}Be deposition in Greenland ice cores, with the aim of providing a better understanding of ^{10}Be as a proxy for solar forcing. Chiara will be working with Margareta Hansson (Department of Physical Geography), Stefan Wastegård (Department of Physical Geography), Arjen Stroeven (Department of Physical Geography) and Matthew O'Regan (Department of Geological Sciences).

When asked about why she joined the Bolin Centre as a fellow, and what her expectations are for the coming years, she explained:

"I chose the Bolin Centre for its highly interdisciplinary environment, which offers the unique opportunity to collaborate with leading climate experts - something that will positively enrich my research project. My goal is to expand my research interests and expertise, while also building a strong network within the scientific community. I am eager to address the research questions I've set forth and contribute to advancing our understanding in this field."

Please join us in wishing Chiara Paleari a warm welcome to the Bolin Centre and Stockholm University!



Icebreaker Oden outside Stephenson Island entering the Victoria Fjord. Photo: Martin Jakobsson

Arctic expedition has entered remote Greenland fjord

In August–September 2024, the North of Greenland expedition with IB Oden will go to Northern Greenland and the adjacent Arctic Ocean, including the Lincoln Sea. The expedition forms a part of the research theme GEOEO (North Greenland Earth-Ocean-Ecosystem Observatory), which has been endorsed through the Polar Research Process.

Icebreaker Oden has as the first vessel ever now reached the remote and uncharted Victoria fjord at northern Greenland. [Read an update from the GEOEO North of Greenland 2024 expedition on its challenging battle against multiyear sea ice and pressure ridges.](#)

--> Click [here](#) to watch how icebreaker Oden slams into the >4 meter multiyear ice of the Lincoln Sea! It's an incredible video posted by our colleagues over at the Centre for Paleogenetics at SU.

GEOEO 2024



Amazon Cloud Forest in Peru, panoramic view of the tropical jungle on the northeast slope of the Andean mountain range. Photo: Álvaro Bueno/Mostphotos.

The risk of global water scarcity is greater when accounting for the origin of rain

Securing the world's water supply is one of the greatest challenges of our time. Research at Stockholm University is now presenting an alternative method for quantifying the global risk of water scarcity. Results indicate higher risks to water supply than previously expected if accounting for the environmental conditions and governability where rain is produced.

The common idea of global water supply is rain falling on the earth's surface and then stored in aquifers, lakes, and rivers. This idea is usually used to assess water security and the risk of water scarcity. However, a new study published in *Nature Water* shows how the water risks are dependent on governance and environmental conditions present upwind, which means the areas where the moisture for rain comes from.

[Read more](#)



Respiration from dry ecosystems is less sensitive to temperature (Utah, USA) Photo: Stefano Manzoni

Warming increases ecosystem carbon emissions – but only with sufficient rain

The emissions of carbon dioxide from ecosystems are known to be higher in warmer climates. Therefore, global warming can speed up emissions, causing a stronger greenhouse effect that worsens climatic changes. But only in sufficiently moist environments where plants and soil organisms are not limited by water availability, as shown in a Nature Ecology & Evolution article with four co-authors from Stockholm University.

[Read more](#)

OPPORTUNITIES

[DEADLINE 10 SEPTEMBER] IPCC is looking for authors for special report.

The Intergovernmental Panel on Climate Change (IPCC), the UN body for assessing the science related to climate change, is calling for nominations of authors for its Special Report on Climate Change and Cities scheduled to be released in March 2027.

The call for nominations follows agreement on the outline of the [Special Report on Climate Change and Cities](#) at the 61st Session of the IPCC held in Sofia, Bulgaria from 27 July to 2 August 2024. The Panel also agreed on the outline for the 2027 IPCC Methodology Report on Inventories for Short-lived Climate Forcers.

Registration of interest takes place via the national focal point for the IPCC, the SMHI. Express your interest via email **no later than 10 September, 2024**.

Find more information on [the IPCC website](#).

[Register your interest & learn more at SMHI](#)

Invitation to Polar Connect Webinar on 7 October

The Swedish Polar Research Secretariat invites you to a [webinar on Polar Connect](#). The goal of Polar Connect is to build a submarine communication cable system between Northern Europe and East Asia, equipped with environmental sensing technology. Please see the [Polar Connect Vision 2030](#) for more information.

Polar Connect will enable novel Arctic Research Infrastructure and provide access to unprecedented data from the deep Ocean. As part of the European Union Connecting Europe Facility (CEF Digital) funded project 'North Pole Fiber', we will present and discuss opportunities for scientific data collection along the route of Polar Connect with a focus on the seas between the Nordics and Svalbard.

This is an excellent opportunity to engage in and shape future sensing efforts on Polar Connect.

Register here: <http://npf.nordu.net/webinar>

CALENDAR

Bolin Centre Events

18
SEPTEMBER

The Climate and Environmental History Seminar

Title: Dendrochronology: The history within a tree

Time: 15.00 - 17.00

Place: Department of History, Room D837 and via [Zoom](#).

Paul J. Krusic from Stockholm University will speak on the challenges and success of using tree-ring data to reconstruct past environmental histories that have had societal impact.

[More information is here](#)

1
OCTOBER

Guest seminar, Andreas Plach, University of Vienna, Austria (MISU)

Time: 11.15 - 12.15

Location: C609 Rossbysalen, MISU, Svante Arrhenius väg 16C, 6th floor

Title: TBA.

More information will be posted [here](#).

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OCTOBER

Guest seminar, Linus Magnusson, ECMWF, Reading, UK

Time: 11.15 - 12.15

Location: C609 Rossbysalen, MISU, Svante Arrhenius väg 16C, 6th floor

Title: TBA

More information will be posted [here](#).

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OCTOBER

The Climate and Environmental History Seminar

Title: What was the Anthropocene? Social, Cultural and Natural Entanglements in Early Modern Scandinavian History

Time: 15.00 - 17.00

Place: at the Department of History, Stockholm University, and on Zoom.

Ingar Stene from University of Oslo will give a seminar on the Anthropocene, more information will be available in the next newsletter. This seminar is in collaboration with the Early Modern Seminar.

For Zoom-links and news from the seminar, e-mail: fredrik.c.l@historia.su.se

13-14
NOVEMBER

The Bolin Day's 2024

Please save the date! Registration will open soon, and

External events

19
SEPTEMBER

Klimatseminariet 2024

Tid: 08.30 - 16.30

Plats: Storsjöteatern Östersund & Online

Kom och delta i Klimatseminariet - en dag för att påskynda klimatomställningen. Med spännande talare, diskussioner och möten kommer vi alla att bli inspirerade till fortsatt arbete och ta steg framåt i klimatarbetet för Jämtlands län.

[Läs mer här.](#)

27
SEPTEMBER

ForskarFredag 2024

Tid: 09.30 - 12.00

Plats: Albano campus

Join us for this years ForskarFredag, where our members will be participating in an exhibition titled "Jakten på ny kunskap om arktis".

[More information](#)

Bolin members in media

Gustaf Hugelius in the latest issue (#98) of Naturvetarpodden, speaking on how thawing permafrost speeds up the warming of the planet. Listen to the podcast [here](#).

Nina Kirchner has appeared in several media settings during the summer, giving her expert opinion on the impact of melting glaciers:

- In SVT: "Se hur glaciärerna i svenska fjällvärlden smälter i rekordfart". [See the segment here](#).
- An interview in Swedish Radio (SR): "[Svenska glaciärer smälter snabbt – forskare byter mätmetoder](#)".
- Interview on the website polar.se

Fredrik Charpentier Ljungqvist in Sveriges Radio P3 "[Civilisationers undergång](#)", part of the "Dystopia"-series, released on 4 September.

A blog about [a paper just published in Global Ecology and Biogeography](#), co-authored by **Caroline Greiser**. Read more about the research in a popular science form. [Read the blog here](#).

Léon Chafik has also appeared in several media outlets, providing his expert opinion on the Gulf Stream:

- Swedish Radio P1 [Medierna](#)
- In [Aftonbladet](#): "Nytt larm: AMOC kan kollapsa på 30-talet"



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](#)

VR autumn call - writing workshop

An invitation for you, who plan on submitting a proposal for the VR international postdoc autumn call, to meet and discuss your applications or just use the time to write your proposals together once more before the deadline on September 17th. The time and place are:

Wednesday, September 11th, 15:00-17:00 in Geohuset, room U29

The meeting is a self-organized opportunity for you to chat with other people going through the same process. Potential things to discuss could be:

- the layout of the project proposal
- budget discussions
- navigating Primula
- What are merits worth mentioning in your application and how to do so?

For more information, please contact: Alexandra Hamm
alexandra.hamm@natgeo.su.se.

Potential **opportunity for PhD students:** Applications for the ERCA (**European Research Course on the Atmosphere**) summer school are now open.

[Link to the program.](#)

The [applications](#) to attend ERCA.

More information [here](#).

Do you receive updates from our **ECRs Network**? If not, sign up for the **mailing list** by writing to bolin@su.se and stay tuned.

Dear Members of Researchers' Desk,

Welcome back!

Here are this week's information points:

1. Researchers' Desk – Seminar Series

We have 3 available slots for the autumn semester, so please feel free to e-mail speaker suggestions to theresearchersdesk@gmail.com.

2. Calendar of **up-and-coming events**:

- 14:e oktober: Maria Wolrath Söderberg och Nina Wormbs – [Omställningsorten](#)

3. Recommended by our members:

- SVT: [Här är siffrorna regeringen inte visar – riskerar missa klimatmålet](#)
- Michael Mann: [Climate Wars and Fragile Moments](#)

4. Researchers' Desk welcomes the following new members:

- Alab Mirasol Ayroso, Youth Advocates for Climate Action Philippines and Peoples Rising for Climate Justice
- Niklas Lång, Church of Sweden
- Sara Widén, Karolinska Institutet
- Simon Hallonsten, Enskilda Högskolan Stockholm
- Sven Ringmar, Boo Folkets Hus
- Viviane Baladi, Centre national de la recherche scientifique
- Tomas Persson, Lund University
- Tord Olsson, Herresta Lada

Check out their profiles at [Researchers | Researchers Desk](#) and [Friends | Researchers Desk](#)

5. **Up-and-coming seminars**:

- 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 2 – Karin Skill, Senior Lecturer, LiU – The art of thinking about sustainability
 - Oct 9 – Ria Dunkley, Senior Lecturer, University of Glasgow – "Pathways to Climate Equity: Perspectives on Advocacy and Action."
 - Oct 16 – Fredrik von Malmborg, Associate Professor, Linköping University, Strategies and impacts of policy entrepreneurs: Ideology, democracy' and the quest for a just transition
 - Oct 23 – Tristan Mckenzie, Researcher, Gothenburg University, Climate change and health.
 - Oct 30 – Camilla Brudin Borg, Researcher, Gothenburg University, A Utopian Shared Socioeconomic Pathway
 - **Nov 6 – Svante Bodin** and Erik Huss, COP29 – Insights from the SB60 climate meeting in Bonn.
 - Nov 13 – Fredrik Malmborg, Docent, LiU – Repoliticizing climate politics: A window of opportunity for developing the climate movement
 - Dec 11 – Laurie Parsons, Reader, Royal Holloway: Inequality of climate change impact
- Best wishes, Alasdair

Profile products

If you need Bolin Centre logos or promotional materials for your upcoming presentations, reports, or other activities, please feel free to get in touch. We have **Bolin T-shirt**, as well as stickers with our logo, bags, and buffs. We have recently restocked our T-shirt inventory, so **all sizes are now available**.

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

