



September 2023

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## Bolin Centre Newsletter # 7

Dear Bolin Centre members,

Welcome back! We hope that the summer provided you with a well-deserved break, whether it was a chance to relax or engage in field studies – or perhaps a combination of both. As we return to our regular routines, we're pleased to resume our mission of keeping you informed about the latest news and upcoming events through our newsletter.

### **Our new website is live!**

We are happy to announce the launch of our new website, a digital platform based on the SU template. Explore it at <https://www.su.se/bolin-centre-for-climate-research/>. This process was a bit bumpy and wouldn't have been possible without your support. While the website is now live, it's important to note that it's still a work in progress. We encourage you to explore, engage, and provide us with your feedback. Your insights help us improve the site to better serve our needs.

Since the beginning of 2023, we have also welcomed some new faces to the Science Advisory Group. The role of the Scientific Advisory Group is to steer and implement research in the Bolin Centre. The group is comprised of the Research Theme leaders, the chair of the Climate Research School advisory group, the Director of Studies for the Climate Research School, the Database Coordinator, the Climate Modelling Coordinator, the Bolin Centre Coordinator, and the Communicator. We invite interested members to contact SAG members and engage more.

[You can find the members of SAG here.](#)

### **Introducing Laila Islamovic: Bolin Centre's familiar face in a role of communicator**

We're excited to reintroduce Laila Islamovic as Bolin Centre's new Communicator. Laila previously worked with us as a communicator from 2020 to 2021, and we're happy to have her back. With her strong background in communication and a talent for simplifying complex topics, Laila will be responsible for enhancing the Bolin Centre's communication efforts. One of her main responsibilities will be to work closely with the Directorate, researchers, and early career scientists to develop a communication strategy, create engaging content, manage social media, and more.

A warm welcome to Laila as she takes on this exciting role in the Bolin Centre team!

Registration is now open for the [Symposium on climate and health](#) (21 November 2023). For more information, please check the events calendar.

Save the dates for **Bolin Days on November 29 and 30, 2023!** Registration will open soon

We will continue to inform you of the latest news in our monthly Newsletter. We strive to make the Newsletter a valuable source of information, inspiration and research exchange, but we need your help. Don't forget to share information you want us to publish in the upcoming Newsletter, send it to [bolin@su.se](mailto:bolin@su.se).

Thank you for your continued support, and we look forward to seeing you at our upcoming events.



The icebreaker Oden in Petermann Fjord. The same ship appears as a tiny dot in the image at the top of the article. Martin Jakobsson, CC BY-SA

## To predict future sea level rise, we need accurate maps of the world's most remote fjords

Understanding how glaciers interact with the ocean is akin to piecing together a colossal jigsaw puzzle. And on various icebreaker expeditions to some of the most remote fjords in northern Greenland, colleagues and I have showed that the shape of the seafloor is one of the key pieces of that puzzle.

To understand why the seabed is so important, we have to look at the glaciers themselves and what is causing them to retreat or even disappear. The large glaciers that meet the ocean in Greenland and Antarctica balance their mass over time largely in pace with the climate. When it snows or rains they accumulate ice, and they lose ice to melting and calving – the process where chunks of ice break off and eventually melt away into the sea.

[Read more](#)



Photo: Peter Kuma/MISU/Stockholm University

## Climate model “family trees” reduce biases in study results

MISU researchers Peter Kuma, Frida Bender and Aiden Jönsson have developed a computer-based genealogy of climate models, with focus on atmospheric processes, that will help researchers account for the code relationships among different models. By applying these statistical methods, biases in study results can be reduced.

Read more about the study:

- in the journal EOS article [Family Trees Clarify Relationships Among Climate Models](#) and
- in the original publication by Kuma *et al.*: [Climate Model Code Genealogy and Its Relation to Climate Feedbacks and Sensitivity](#) in the Journal of Advances in Modeling Earth Systems (JAMES) (<https://doi.org/10.1029/2022MS003588>, 2023).



Sampling on the ice during the Arctic Ocean Research Cruise 2023 with RV Crown Prince Haakon.  
Photo: Jessica Cook, Arctic Council Secretariat.

“It is a great environment to learn and gain new perspectives”

Sonja Gindorf, PhD student at the Department of Environmental Sciences (ACES) at Stockholm University, just finished the Arctic Ocean Research Cruise 2023 with RV Kronprins Haakon. She was one of two Swedish researchers selected through an open call by the Swedish Polar Research Secretariat.

[Read more](#)



Michael Tjernström at ice breaker Oden in Helsingborg. Photo: John Prytherch

## Back from the Arctic – with a gold mine of data on ice melting

The final chapter of the ARTofMELT expedition is the demobilization, as the researchers make their way back to the icebreaker Oden to gather their instruments and transport them to their respective home institutions. It has been three weeks since they set foot on land after spending nearly six weeks exploring the Arctic Ocean. We had the opportunity to speak with Chief Scientist Prof Michael Tjernström and Co-Chief Scientist Paul Zieger to hear about their experiences during the cruise and their plans for the near future.

[Read more](#)

## DEEP Alumnus Leonard Blaschek receives Ragai Ibrahim prize

Congratulations to Leonard Blaschek, a DEEP graduate, for receiving the Ragai Ibrahim prize for his breakthrough study on the relationship between plant polyphenols and climate resilience. This recognition underscores the valuable contribution of DEEP researchers to understanding and addressing climate challenges.

[Read more here](#)

Scientists are concerned about the Swedish government's decision to cut funding for development research and its impact on sustainable development.

For over 50 years, Sweden has held a prominent position in global development research and aid, yet recent decisions are putting this role at risk. The abrupt termination of funding for ongoing research projects, without prior consultation or explanation, is hindering collaborative and innovative endeavors aimed at tackling global challenges.

This decision could potentially undermine the strength of Swedish development research and its international leadership, thereby obstructing progress towards achieving the SDGs. It is crucial to recognize the significance of evidence-based policies and to avoid falling into the false thinking that budget cuts are essential.

The negative outcomes of shifting funds away from development research are raising worries among scientists. Additionally, the possible effects of this choice on young researchers and global partnerships are causing concern.

You can find the petition for international solidarity [here](#).

## AI search tool Keenious

The library offers access to a new search tool called **Keenious**, which is available to all students and employees at Stockholm University.

Read more [here](#)

## OPPORTUNITIES

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### **Research Engineer / Organic Analytical Lab Manager (permanent position)**

at [the Department of Environmental Science](#).

**Closing date: 15 September 2023**

The incoming experienced person would join the Biogeochemistry unit's team of collaborating PIs, two other research engineers, post-docs and PhD students, to support externally-funded research activities, and in particular to become the laboratory manager with responsibility for the long-term operation of our organic analytical activities.

[Read more and apply here](#)

### **Senior Researcher in Regional Climate research**

Rosby Centre at SMHI/Norrköping/Sweden is looking for an experienced researcher with scientific expertise in weather or climate, who wants to focus on knowledge arising from high-resolution climate models. The assignment involves collaborating with colleagues to generate high-resolution climate data and information through next-generation regional climate simulations, designed for use on regional and local scales. Central tasks are the development of the strategic research area of convection-permitting regional climate models and associated use cases, for example for extreme weather events.

[Find more information here](#)

### **Model developer with specialization in meteorology, climate or statistics**

at SMHI

**Application deadline: 24 September 2023**

[Read more and apply here](#)

## External opporunities

The Faculty of Physical and Mathematical Sciences at the University of Chile, Santiago-Chile, is offering a Faculty position in the Department of Geophysics, **exclusive for female applicants** in any stage of her academic career. The position involves a strong commitment to independent and collaborative research as well as teaching in the undergraduate and graduate programs of the Department. It is also expected that the selected candidate will establish strong ties with applied and research groups outside the University.

**Application deadline: September 29**, 12:00 Chilean continental Time.

More at: <https://www.researchgate.net>

[/job/999952](https://www.researchgate.net/job/999952) Faculty position in Geophysics-Atmospheric Sciences

## CALENDAR - BOLIN CENTRE'S EVENTS

22  
SEPTEMBER

### Climate & Gender inspirational event

We're kicking off something new and thought-provoking, and we invite you to be a part of it.

Introducing Bolin Centre's Climate Research School initiative: "Investigating a Gender Perspective in Climate Research."

Why should you care? Well, climate change isn't just about science and numbers—it's about people too! Let's dive into how gender perspectives can shape our understanding of this global challenge.

We are aiming to bring together early career researchers primarily to discuss how gender plays a role in climate research. You'll have the opportunity to gain insights from experts and share your thoughts.

[Registration page](#)

**Register by September 19, 2023**

29  
SEPTEMBER

### ForskarFredag 2023

ForskarFredag is an initiative that seeks to awaken curiosity about science in children and young individuals.

This year's theme is 'The Human, Health, and Water.

For more information visit: <https://forskarfredag.se/>

21  
NOVEMBER

### Save the date: Symposium on climate and health

The Health Committee of the Royal Swedish Academy of Sciences, in collaboration with Bolin Centre for Climate Research, Chalmers University of Technology, Karolinska University Hospital, Stockholm Trio and Umeå University, organises a symposium on the topic of climate and health.

The open symposium will bring together experts from different fields relevant for understanding the interactions, challenges and co-benefits related to climate and health. The aim of the symposium is to summarise the state of the science, stimulate discussion, and relate to relevant ongoing and future policy processes.

The symposium will be held in English.

[Register here](#)

29-30  
NOVEMBER

### Bolin Days 2023

Place: Aula Magna, SU

Registration will open soon.

**SAVE THE DATE! Swedish Climate Symposium 2024**



## Partners' events

15  
SEPTEMBER

The IPCC results in a Swedish perspective (in Swedish)

**Conference on September 15th:  
"IPCC Results in a Swedish Perspective"**

On September 15, 2023, SMHI, in collaboration with the Swedish National Board of Housing, Building and Planning, Formas, the National Expert Council for Climate Adaptation, and the Environmental Protection Agency, is organizing a conference. This conference aims to provide a Swedish perspective on the latest results from the UN climate panel IPCC. The event promises a half-day filled with inspiration, knowledge, and experiences.

[Register here](#)

18  
SEPTEMBER

Workshop: Reach international audiences via The Conversation

**Time:** 12.00 AM

**Venue:** Frescati. Information about premises will be announced later.

Registration and questions: Contact Per Larsson at the Communications Office, [per.larsson@su.se](mailto:per.larsson@su.se)  
[Read more about the collaboration with The Conversation.](#)

## 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](https://bolin.su.se/publications)

## Highlighting summer's achievements and looking ahead

Dear Bolin Centre Researchers,

As summer smoothly transitions into fall, we feel humbled by the work that has been accomplished during these months.

### **Reflecting on summer's research highlights**

Before we dive into the opportunities on the horizon, let's acknowledge the milestones achieved over the summer. We thank all researchers who shared their strategic plans and engagement initiatives, offering insights into ongoing field research. Although most of the field research is coming to an end, all your contributions are still very welcome. The knowledge gained is a valuable resource that supports our mission to advance climate research and its dissemination.

### **Transition and collaboration**

As we approach the new season, we would like to inform you that Maria Basova, our coordinator, will gradually hand over the communication part of the Centre's work to our new communicator, Laila Islamovich. Laila will coordinate and support outreach work with mass media and central communication of the SU. For those who are still interested in sharing their plans, we recommend contacting our email [bolin@su.se](mailto:bolin@su.se) and copying to [press@su.se](mailto:press@su.se). Your contributions could potentially find their way into various media outlets and future opportunities.

### **The power of visuals**

Our call to reflect your fieldwork through visual narratives still stands. Every photo that shows the work of researchers is a very valuable resource for us. We will take this opportunity to enhance our repository of high-quality field images. If you have photos that might be of interest, please send them to [bolin@su.se](mailto:bolin@su.se) and [press@su.se](mailto:press@su.se). Images suitable for SU's social media channels can also be sent to [bolin@su.se](mailto:bolin@su.se), [socmedia@su.se](mailto:socmedia@su.se), or [redaktion@su.se](mailto:redaktion@su.se).

Once again, thank you for your contributions and your continued engagement with outreach opportunities.

## Bolin Centre experts contribute to Swedish Radio P3 Program on Gulf Stream collapse

We are pleased to share that our members Fredrik Charpentier Ljungqvist and Léon Chafik took part in the Swedish Radio P3 program "Dystopia," discussing the collapse of the Gulf Stream. The program was first aired on Wednesday, July 5th. Their insights added valuable perspectives to the discussion.

Listen the program in Swedish [here](#)

## News from the Climate Research School (CRS)

As an update to our previous announcement, we would like to invite ECRs to join us for an inspirational event: "Investigating a Gender perspective in Climate Research" by Bolin Centre's Climate Research School.

Explore how gender perspectives shape our approach to the global climate challenge and impact research opportunities. Connect with fellow early career researchers, gain insights from experts, and contribute to the conversation.

[More details and registration here](#)

Reserve your spot by registering before September 19.

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

We want to remind that the third edition of "En varmare värld" (A Warmer World) by 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](mailto:bolin@su.se).

## ForskarFredag 2023

Bolin Centre is gearing up for its participation in ForskarFredag 2023, scheduled for September 30th. This year's theme is "The Human, Health, and Water." ForskarFredag is an initiative that seeks to spark curiosity about science in children and young individuals.

We are in the final stages of forming our team and have almost completed the arrangements. However, if you're interested in being a part of this event or would like to obtain more information, please feel free to reach out to Maria Basova at [maria.basova@aces.su.se](mailto:maria.basova@aces.su.se).

Stay tuned for more updates and details as we work together to make this event a success!



En del av European Researchers' Night

ForskarFredag logo

## Promotional material

The field trip period has almost concluded, but we're still here to help with your promotional material needs! If you need Bolin Centre logos for your upcoming presentations, reports, or other activities, please feel free to get in touch. We have T-shirts, bags, buffs, and limited sizes of hoodies.

To make a request, kindly reach out to Maria Basova at [maria.basova@aces.su.se](mailto: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](mailto:bolin@su.se). Please note that the newsletter is typically sent once a month.

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SOCIAL MEDIA

