



Stockholm
University

Bolin Centre for Climate Research

A collaboration between Stockholm University, KTH and SMHI

Week 43, 2021

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The Bolin Centre is a multi-disciplinary consortium of over 400 scientists in Sweden that conducts research and graduate education related to the Earth's climate.



The Bolin Days 2021 - Welcome to register!

[Register for the Bolin Days 2021 here »](#)

The Bolin Days is our annual internal conference for and by our Bolin Centre members. During these days, new climate science results are presented and we meet each other to exchange ideas, share our experiences and find new inspiration. We welcome you to take part in a set of cross-disciplinary sessions organized by our Research Area leaders. You have the opportunity to meet our External Science Advisory Group, there will be a poster exhibition and as usual, a poster competition for PhD students. We start both days with a lunch at 11h00. The Bolin Days ends with a dinner in Aula Magna's Gallery on day two, followed by a pub and a Ceilidh in Geovetenskapens hus.

Hybrid event

The Bolin Days this year will take place in Aula Magna and Geovetenskapens hus, Stockholm University, and via Zoom.

Call for posters and PICO presentations

The Bolin Days 2021 will have its traditional poster exhibition, this year in Geovetenskapens hus. The deadline for submission of poster and PICO presentations is 15 November. [Instructions are found here »](#)

The program for the Bolin Days is under development, and the full program will be available on the Bolin Centre website at a later stage.

Welcome!



Preparations in Kulturhuset Stadsteatern and the COP26 hub

The UN Climate Change Conference COP26 is being held in Glasgow from October 31 to November 12. The ambitions of this conference are for world leaders to negotiate emissions reductions targets that will limit global warming to 1.5 degrees, measures to protect communities and natural habitats adversely affected by climate damage, mobilization of climate finance and the rulebook needed to make the Paris Agreement operational.

In a partnership with Kulturhuset and the International Cryosphere Climate Initiative (ICCI), we have set up a COP26 hub on the groundfloor of Kulturhuset Stadsteatern, Sergels torg, which will be open throughout the conference. On location visitors get the chance to drop in and ask climate-related questions to Bolin Centre members and to see a photo exhibition. Throughout the conference, we will livestream from ICCI's cryosphere pavilion in Glasgow.

Each day will have a daily host in Kulturhuset - Alasdair Skelton, Nina Kirchner and Gustaf Hugelius. Ingeborg Pay at ICCI will also join.

If you are interested to take part in the COP26 hub, please contact [Alasdair Skelton](#), [Magnus Atterfors](#) or [Laila Islamovic](#).

[Read more on the Bolin Centre website »](#)



Publications

Recent Bolin Centre publications

On bolin.su.se/publications you'll find a list of scientific journal publications by Bolin Centre scientists. Here are the most recent ones we have published on the website.

- Revell, L.E., Kuma, P., Le Ru, E.C., Somerville, W.R.C., Gaw, S., 2021. Direct radiative effects of airborne microplastics. *Nature*: 598, pages 462–467. <https://www.nature.com/articles/s41586-021-03864-x>
- Mas e Braga, M., Jones, R.S., Newall, J.C.H., Rogozhina, I., Andersen, J.L., Lifton, N.A., Stroeven, A.P., 2021. Nunataks as barriers to ice flow: implications for palaeo ice sheet reconstructions. *The Cryosphere*: 15, 4929–4947. <https://tc.copernicus.org/articles/15/4929/2021/tc-15-4929-2021.html>
- Larsson, S.A. & Wastegård, S., 2021. A high-resolution Lateglacial–Early Holocene tephrostratigraphy from southernmost Sweden with comments on the Borrobol–Penifiler tephra complex. *Quaternary Geochronology*. [doi:10.1016/j.quageo.2021.101239](https://doi.org/10.1016/j.quageo.2021.101239)
- Hamm, A. and Frampton, A., 2021. Impact of lateral groundwater flow on hydrothermal conditions of the active layer in a high-Arctic hillslope setting, *The Cryosphere*, 15, 4853–4871. <https://doi.org/10.5194/tc-15-4853-2021>
- Olefeldt, D., Heffernan, L., Jones, M.C., Sannel, A.B.K., Treat, C.C. and Turetsky, M.R., 2021. Permafrost Thaw in Northern Peatlands: Rapid Changes in Ecosystem and Landscape Functions, pp. 27–67. In: Canadell, J.G. and Jackson, R.B. (Eds.) 2021: *Ecosystem Collapse and Climate Change*. 364 pp. Springer. https://link.springer.com/chapter/10.1007/978-3-030-71330-0_3
- Ghajarnia, N., Kalantari, Z., & Destouni, G., 2021. Data-Driven Worldwide Quantification of Large-Scale Hydroclimatic Covariation Patterns and Comparison With Reanalysis and Earth System Modeling. *Water Resources Research*, 57(10), e2020WR029377. <https://doi.org/10.1029/2020WR029377>

Please send your newly published publication to bolin@su.se »

Marine Research Day 2021

The Swedish Society for Marine Sciences welcomes everyone who is engaged and interested in marine sciences, management and environmental monitoring to this conference on the SEA! The meeting focuses on current aspects of research, management and environmental monitoring in marine systems. In addition to oral presentations and a digital poster session, there will be room for networking.

When: November 23-24

Where: ZOOM and Konferenscenter Wallenberg, Medicinargatan 20, Göteborg

[Read more on The Swedish Society for Marine Sciences website »](#)

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Oct

Nyfiken på COP26?

Klimatkonferensen COP26 pågår i Glasgow mellan 31 oktober–12 november. Forskare från Bolincentret för klimatforskning finns på plats i Kulturhuset båda veckorna och kommer att live-sända presentationer och intervjuer med forskare i Glasgow. Eventet sker i samverkan med Kulturhuset, Bolincentret och organisationen International Cryosphere Climate Initiative (ICCI).

Läs mer på [Bolincentrets webbplats »](#)
och på [Kulturhusets webbplats »](#)

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Nov

Workshop: Air quality and climate policies: moving forward after COVID-19

Presentation of FORCeS' policy brief *Air quality and climate policies: moving forward after COVID-19*

Time: 8 November, 14h00-16h00

Venue: Stockholm University and via Zoom

[Read more on FORCeS website »](#)

[Registration for event \(deadline 5 November\) »](#)

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Nov

RA3 zoom series | Perspectives of Hydrology and Water Resources

Time: 11 November 2021, 15h00 - 16h00

Venue: Zoom

Title: The variability of water storage and fluxes over large tropical river basins from multi-satellite observations and their impacts on the land-ocean continuum

Speaker: Fabrice Papa, Institut de Recherche pour le Développement (IRD), LEGOS-France

[Read more on Bolin Centre's website »](#)

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Nov

Bolin Centre Seminar Series RA3

Title: Freshwater salinisation – drivers and impacts in river basins around the world

Date: Monday 15 November

Time: 14h00-15h00

Speaker: Josefin Thorslund, researcher in hydrology at the Department of Physical Geography

Location: William Olsson and Zoom

[Read more on the Bolin Centre website »](#)

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Nov

Workshop: Wikipedia – a source for information and outreach

Date: 17 November 2021, 13h00 -15h00

Venue: William-Olsson lecture hall

Workshop leader: Olle Terenius, malaria researcher, Uppsala University.

Who can join: Students in Climate Research School

Deadline for application: 12 November

[Read more and apply »](#)

18-19

Nov

Bolin Days 2021 in Aula Magna

Date: 18-19 November, 11h00 - 19h00

Venue: Aula Magna & via Zoom

[Read more and register on the Bolin Centre website »](#)

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Dec

Bolin Centre Seminar Series RA7

Speaker: Roland Jansson, professor at the Department of Ecology and Environmental Science, Umeå University

Time: 7 December, 14h00-15h00

More info will follow!

OFFICE STAFF - BOLIN CENTRE AT CAMPUS

Due to COVID-19, the Bolin Centre Office will be irregularly staffed at the University. Like many of you, we work from home. Don't hesitate to get in touch with us via mobile or e-mail.

- Magnus: 076-695 70 78, magnus.atterfors@su.se (Communications)
- Laila: 072-444 35 25 laila.islamovic@su.se (Communications & coordination)

The **Bolin Centre Weekly News** provides you with a selection of our current activities and latest news and is sent to all members of the Bolin Centre. If you have suggestions that you would like to include or **research that you would like to share** in coming Weekly News, please contact bolin@su.se.

Editor: Magnus Atterfors

Photo: Martin Jakobsson, Magnus Atterfors

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