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University

Bolin Centre for Climate Research

A collaboration between Stockholm University, KTH and SMHI

Week 37, 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.



We evaluate the Newsletter - last chance!

We strive to make the Bolin Centre Newsletter as relevant as possible for our readers. What do you think of the newsletter? Do you have ideas for improvements? Do you miss anything? Please take a minute or two to answer the questions on [this link](#) »

Thanks in advance!
Magnus & Laila



Reports from SAS polar expedition 2021

"One of the best days of my life!" is one of the titles of Sonja Murto's four reports from her North Pole research.

[Read the reports via Bolin Centre's website](#) »



Ny rapport: Agenda för hållbar vattenförsörjning

Gia Destouni har varit med och lett arbetet med en nyutkommen IVA-rapport som lanserades 8 september.

[Läs rapporten på IVAs webbplats »](#)

[Se seminariet från lanseringen av rapporten på SVTplays webbplats »](#)



New method allows scientists to study aerosol particles inside clouds

Traditional methods to study cloud formation involve artificially activating aerosol particles or short-term direct sampling of clouds. Now a new observation method dedicated to long-term observations has been developed by researchers at the Department of Environmental Science.

[Read the article on Department of Environmental Science's 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.

- Li, H., Hu, P., Zhang, Q., Sinha, A., and Cheng, H., 2021. Understanding Interannual Variations of the Local Rainy Season over the Southwest Indian Ocean. *Advances in Atmospheric Sciences*: 38, 1852–1862. [10.1007/s00376-021-1065-3](https://doi.org/10.1007/s00376-021-1065-3)
- Yu, Z., Joos, F., Bauska, T.K., Stocker, B.D., Fischer, H., Loisel, J., Brovkin, V., Hugelius, G., Nehrbass-Ahles, C., Kleinen, T. and Schmitt, J., 2021. No support for carbon storage of > 1,000 GtC in northern peatlands. *Nature geoscience*: 14(7), pp.465–467. <https://doi.org/10.1038/s41561-021-00769-2>
- Detlef, H., Reilly, B., Jennings, A., Mørk Jensen, M., O'Regan, M., Glasius, M., Olsen, J., Jakobsson, M., Pearce, C., 2021. Holocene sea-ice dynamics in Petermann Fjord in relation to ice tongue stability and Nares Strait ice arch formation. *The Cryosphere*: 15, 4357–4380. <https://doi.org/10.5194/tc-2021-25>
- Ferreira, C.S.S., Kalantari, Z., Seifollahi-Aghmiuni, S., Ghajarnia, N., Rahmati, O., Solomun, M.K., 2021. Rainfall-runoff-erosion processes in urban areas. In "Precipitation: Earth surface responses and processes", Rodrigo-Comino, J. (ed.). Elsevier: chapter 21, 481–498 pp. <https://doi.org/10.1016/B978-0-12-822699-5.00018-5>

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

View recorded webinar: IPCC WGI report 2021 - The Physical Science Basis

The webinar was broadcasted on 2 September and was organized by SMHI, Stockholm University and the Swedish Meteorological Society.

[Read more and view the webinar via Dep't of Meteorology's website »](#)

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Sep

Seminar: Tracing climate shifts using Sediment DNA from Hall's Cave, Texas

Date: Thursday 30 September, 13h30–14h30

Location: Zoom

Speaker: Anna Linderholm, Researcher at the Department of Geological Sciences

[Read more on Department of Geological Sciences's website »](#)

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Oct

Arctic Avenue Fall Call 2021

Application deadline: October 20

You are welcome to submit your application!

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

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Oct

Multifunktionella våtmarker:

realistiskt mål eller orealistisk dröm

Konferensen sammanför forskare, rådgivare och beslutsfattare till en diskussion om mål och medel kring restaurering och nyanläggning av våtmarker. Programmet har en bred ansats, med föredrag från såväl hydrologiska, biogeokemiska, ekologiska som samhällsvetenskapliga perspektiv.

Deadline för anmälan: 15 oktober

[Läs mer på Bolincentrets webbplats »](#)

18-19

Nov

Bolin Days 2021

Save the date!

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, Sonja Murto, Paul Zieger

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