



Stockholm
University

Bolin Centre for Climate Research

A collaboration between Stockholm University, KTH and SMHI

Week 5, 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.



In Swedish | Dags för Klimatfestival

Nu planerar vi för årets Klimatfestival som kommer ske 19-21 maj. Klimatfestivalen är ett utmärkt tillfälle att kommunicera din forskning till intresserade ungdomar och allmänhet. Vill du delta? Eller har du tips på intressanta aktiviteter vi borde inkludera?

Välkommen att kontakta annika.granebec@su.se eller laila.islamovic@su.se.



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.

- Norström, E., West, J., Kouli, K., Katrantsiotis, C., Hättestrand, M., Smittenberg, R.H., 2021. Evaluation of anhydrosugars as a molecular proxy for paleofire activity: A case study on a Holocene sediment core from Agios Floros, Peloponnese, Greece. *Organic Geochemistry*: 104193. <https://doi.org/10.1016/j.orggeochem.2021.104193>
- Blenckner, T., Möllmann, C., Stewart Lowndes, J., Griffiths, J.R., Campbell, E., De Cervo, A., Belgrano, A., Boström, C., Fleming, V., Frazier, M., Neuenfeldt, S., Niiranen, S., Nilsson, A., Ojaveer, H., Olsson, J., Palmlov, C.S., Quaas, M., Rickels, W., Sobek, A., Viitasalo, M., Wikström, S.A., Halpern, B.S., 2021. The Baltic Health Index (BHI): Assessing the social-ecological status of the Baltic Sea. *People and Nature* n/a. <https://doi.org/10.1002/pan3.10178>
- Pihl, E., Alfredsson, E., Bengtsson, M., ... Hugelius, G., ...et al (57 authors) 2021. New Insights in Climate Science 2020 – a Horizon Scan. *Global Sustainability*: 1–65. DOI: <https://doi.org/10.1017/sus.2021.2>
- Porkka, M., Wang-Erlandsson, L., Destouni, G., Ekman, A., Rockström, J., Gordon, L.J., 2021. Is wetter better? Exploring agriculturally-relevant rainfall characteristics over four decades in the Sahel. *Environmental Research Letters*.

<https://doi.org/10.1088/1748-9326/abdd57>

- Gorokhova, E., El-Shehaw, R., Lehtiniemi, M., and Garbaras, A., 2021. How Copepods Can Eat Toxins Without Getting Sick: Gut Bacteria Help Zooplankton to Feed in Cyanobacteria Blooms. *Front. Microbiol.*: 11, 589816. <https://doi.org/10.3389/fmicb.2020.589816>

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

New datasets in the Bolin Centre Database



- Jannik Martens, Evgeny Romankevich, Igor Semiletov, Birgit Wild, Bart van Dongen, Jorien Vonk, Tommaso Tesi, Natalia Shakhova, Oleg V. Dudarev, Denis Kosmach, Alexander Vetrov, Leopold Lobkovsky, Nikolay Belyaev, Robie Macdonald, Anna J. Pieńkowski, Timothy I. Eglinton, Negar Haghypour, Salve Dahle, Michael L. Carroll, Emmelie K.L. Åström, Jacqueline M. Grebmeier, Lee W. Cooper, Göran Possnert, and Örjan Gustafsson (2020). The Circum-Arctic Sediment Carbon Database — CASCADE. Dataset version 1.0. Bolin Centre Database. <https://doi.org/10.17043/cascade>
- Simon A. Larsson (2021). Stratigraphy and geochemistry of the Fosen Tephra and the Vedde Ash at three sites on the Fosen peninsula, central Norway. Dataset version 1.0. Bolin Centre Database. <https://doi.org/10.17043/larsson-2021-fosen-vedde>
- Anders Möberg (2021). Stockholm Historical Weather Observations — Monthly mean air temperatures since 1756. Dataset version 3.0. Bolin Centre Database. <https://doi.org/10.17043/stockholm-historical-temps-monthly-3>
- Michael Lawler (2021). Ultrafine aerosol composition measured in summertime during the Arctic Ocean 2018 expedition. Dataset version 1.0. Bolin Centre Database. <https://doi.org/10.17043/ao2018-ultrafine-aerosol-composition>
- Tiit Hang, Rachael S. Avery (2021). Legacy varve sediment data from the Kalmar-Högsby area, southeast Sweden. Dataset version 1.0. Bolin Centre Database. <https://doi.org/10.17043/hang-2021>

RA7 seed money 2021

Open call for applications of the 2021 seed money from RA7: landscape processes and climate.

Apply before February 28, 2021!

[Read more on the Bolin website](#) »

Welcome to review IPCC:s report Mitigation of Climate Change

“Mitigation of Climate Change” is one of three final reports within the IPCC Sixth Assessment Report, AR6. The second draft of this report will be available for expert review until 14 March.

This second review of the report and SPM (Summary for Policy Makers) is conducted by experts and governments and **runs from 18 January to 14 March 2021**. Experts need to register, which will be possible until 7 March.

It is not necessary to comment on the entire report. As an expert, you are welcome to focus on the parts in which you have the deepest scientific knowledge.

Please find more information here:

English: <https://www.ipcc.ch/2021/01/04/pr-working-group-iii-ar6-sod/> »

Swedish: <https://www.smhi.se/nyhetsarkiv/var-med-och-expertgranska-ipcc-s-delrapport-om-att-begransa-klimatforandringarna-1.167802> »

Upcoming courses: Climate Science 2021, 2 hp

Climate Science is an introductory course to the interdisciplinary climate related research that is performed at Stockholm University. The eight Research Areas within

the Bolin Centre for Climate Research is presented as well as other entities at Stockholm University involved in climate science. This course gives you a great opportunity to meet a wide spectra of climate scientists outside your own field.

Date: March 1–April 29, 2021

Venue: Zoom

Application deadline: February 25

[Read more on the Bolin website »](#)

Arctic Avenue Spring Call 2021

The Arctic Avenue Spring Call 2021 is open. Application **deadline is 19 February 2021**. Calls are also planned for autumn 2021.

Welcome with your application!

[Read more and download application form on the Bolin website »](#)



Online film screening: **Picture a Scientist**

The Section for Earth and Environmental Sciences and the Gender Academy at Stockholm University are hosting an online film screening of **PICTURE A SCIENTIST**, available to watch between January 31st and February 2nd, followed by a panel discussion on Friday 5th February at 15.00–16.30.

Synopsis

PICTURE A SCIENTIST chronicles the groundswell of researchers who are writing a new chapter for women scientists. Biologist Nancy Hopkins, chemist Raychelle Burks, and geologist Jane Willenbring lead viewers on a journey deep into their own experiences in the sciences, ranging from brutal harassment to years of subtle slights. Along the way, from cramped laboratories to spectacular field stations, we encounter scientific luminaries – including social scientists, neuroscientists, and psychologists – who provide new perspectives on how to make science itself more diverse, equitable, and open to all.

[Read more and access the zoom-link to the panel discussion later today here »](#)

BOLIN CENTRE EVENTS

30

March

Bolin Centre Seminar Series | Research Area 1

Time & venue: March 30 at 13h00, Zoom

Titel: Mid-water hydroacoustics with oceanographic applications

Speaker: Christian Stranne, assistant professor, Dep. of Geological Sciences

19-21

May

Climate festival 2021 - Save the date!

The 4th annual Climate Festival will be held on 19-21 May.

18-19

Nov

Bolin Days 2021 - Save the date!

The 12th annual Bolin Days will be held on 18-19 November.

OTHER EVENTS AND INFORMATION

22-23

Feb

Virtual workshop on Values, Choices and Uncertainties in Climate Modelling

Organised by an interdisciplinary team of researchers at Stockholm University and KTH, we will bring together scientific and philosophical expertise with a range of short key-note talks by Andrew Gettelman, Gabi Hegerl, Ted Shepherd, Erica Thompson, Matt Brown, and Wendy Parker, followed by in-group discussions with a limited number of participants. The workshop will be on two consecutive half-days.

[Read more and register on Dept. of Meteorology's website »](#)

22

Apr

Stockholm University Sustainability Forum 2021

The Sustainability Forum – Hållbarhetsforum – is a recurring event at Stockholm University where people can meet, build networks, and create collaborations for sustainable development. The third Sustainability Forum will be held on 22 April on the theme “From crisis to sustainability”. [Read more on Stockholm University's website »](#)

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)
- Annika: 072-148 91 49, annika.granebeck@su.se (Coordination)
- Laila: laila.islamovic@su.se (Communications & coordination during the spring)
- Eva: 076-650 03 08, eva.gylfe@su.se (Supports the office part-time during the spring).

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

Foto: Martin Jakobsson, Vetenskapens Hus, Picture a Scientist movie poster.

Stay updated

Find news and upcoming events at bolin.su.se and follow us on [Twitter](#), [Facebook](#) and [YouTube](#).

