



Stockholm
University

Bolin Centre for Climate Research

A collaboration between Stockholm University, KTH and SMHI

Week 14, 2020

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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.



Call for proposal: Engineering Mechanics for Climate Research

To facilitate new, excellent collaborative work on all aspects of the climate system, viewed through a lens focused on the combination of engineering and natural science approaches, funding is made available through a competitive application and review process. The aim is to increase collaboration between Bolin Centre members with expertise in the natural sciences and the engineering sciences.

Proposal application deadline: April 16, 2021

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



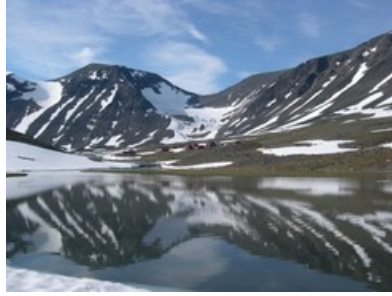
Publications

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.

- Roth, N., Jaramillo, F., Wang-Erlandsson, L., Zamora, D., Palomino-Ángel, S., & Cousins, S.A.O., 2021. A call for consistency with the terms 'wetter' and 'drier' in climate change studies. *Environ Evid*: 10, 8. <https://doi.org/10.1186/s13750-021-00224-0>
- Peillod, A., Majka, J., Ring, U., Drüppel, K., Patten, C., Karlsson, A., Wlodek, A., and Tehlera, E., 2021. Differences in decompression of a high-pressure unit: A case study from the Cycladic Blueschist Unit on Naxos Island, Greece. *Lithos*: 386–387. <https://doi.org/10.1016/j.lithos.2021.106043>
- Dessandier, P-A., Knies, J., Plaza-Faverola, A., Labrousse, C., Renoult, M., Panieri, G., 2021. Ice-sheet melt drove methane emissions in the Arctic during the last two interglacials. *Geology*. doi: <https://doi.org/10.1130/G48580.1>
- De Frenne, P., Lenoir, J., Luoto, M., Scheffers, B.R., Zellweger, F., Aalto, J., Ashcroft, M.B., Christiansen, D.M., Decocq, G., De Pauw, K., Govaert, S., Greiser, C., Gril, E., Hampe, A., Jucker, T., Klings, D.H., Koelemeijer, I.A., Lembrechts, J.J., Marrec, R., Meeussen, C., Ogée, J., Tyystjärvi, V., Vangansbeke, P., and Hylander, K., 2021. Forest microclimates and climate change: Importance, drivers and future research agenda. *Global Change Biology*. DOI: [10.1111/gcb.15569](https://doi.org/10.1111/gcb.15569)
- Rusca, M., Messori, G., & Di Baldassarre, G., 2021. Scenarios of human responses to unprecedented social-environmental extreme events. *Earth's Future*: 9, e2020EF001911. <https://doi.org/10.1029/2020EF001911>
- Fries, J., Sardina, G., Svensson, G. and Mehlig, B., 2021. Key parameters for droplet evaporation and mixing at the cloud edge. *Q J R Meteorol Soc*. Accepted Author Manuscript. <https://doi.org/10.1002/qj.4015>
- You, C., Tjernström, M., Devasthale, A., 2021. Eulerian and Lagrangian views of warm and moist air intrusions into summer Arctic. *Atmospheric Research*. <https://doi.org/10.1016/j.atmosres.2021.105586>

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



News at Tarfala Research Station

Read **Tarfala News April 2021** via
[Dep't of Physical Geographhy's website](#)
»

How to prepare a successful proposal in Horizon Europe (Recorded webinar, 24 March 2021)

Here you can listen to a webinar on how to prepare a proposal in the new Horizon Europe programme.

[Read more on European Commission's website »](#)

In Swedish | Forskare möter media – distansutbildning

För dig som är forskare på Stockholms universitet och vill veta mer hur media arbetar och få praktiska råd och tips om vad du kan tänka på inför och under intervjuer.

Två gånger per år erbjuder Kommunikationsavdelningen utbildningen Forskare möter media där du som är forskare på Stockholms universitet kan få verktyg som kan hjälpa dig i dina kontakter med media. På grund av situationen med Covid 19 ges utbildningen den här gången digitalt via Zoom. Kursen genomförs på svenska.

Kurstillfället kommer innehålla en teoretisk genomgång av journalistik och medias villkor samt konkreta råd för eventuella intervjusituationer. De som deltar på utbildningstillfället kommer ges möjlighet att boka in en enskild zoom-träff med intervjuutbildning. Den kommer ge verktyg både för generella intervjusituationer och för intervjuer över videolänk.

När: Tisdagen 20 april

Var: Zoom, länk skickas ut till alla anmälda dagen innan

Tid: 10:00-11:30

Anmälan skickas till johnny.foglander@su.se senast den 16 april.

Climate Change in the Geological Record

Event type: Virtual event, Conference

Date: 26-27 May

Organised by: Geological Society Events

The geological record captures multiple episodes of climate change. It shows that changes in temperature and greenhouse gas concentrations have direct impacts on sea level, the hydrological cycle, marine and terrestrial ecosystems, and the acidification and oxygen depletion of the oceans. By reconstructing past climate changes, we can better understand the dynamics of the climate system and hence the range of impacts possible under current warming.

This symposium is arranged in conjunction with the Geological Society's scientific statement on climate change. It will feature invited keynote lectures and submitted short presentations on nine themes over the course of two days.

The organizers are inviting submissions for short presentations. Deadline: 15 April 2021

[Read more on the Geological Society's website »](#)

CIVIS summer course on remote sensing

Master and PhD students are welcome to apply a summer school on remote sensing!

This summer school will consist of lectures given by the participant experts on remote sensing techniques applicable to the study of climate and environmental change and related phenomena, and on the other, of using those techniques in practical sessions to perform local studies focused on a different topic each summer school edition. Complimentary activities such as (virtual) visits to institutions or facilities relevant to the course topic are also planned.

Course date: 28 June - 9 July 2021.

Application deadline: 21 May 2021.

[Read more on Civis' website »](#)

BOLIN CENTRE EVENTS

- | | |
|--------------|---|
| 14
April | Bolin Centre Seminar Series Research Area 5
Time & venue: April 14 at 14h30, Zoom
Title: Global warming, or global cooling, in the last 10000 years?
Speaker: Zhengyu Liu, Professor of Climate Dynamics, Ohio State University
Read more » |
| 17
MAY | Bert Bolin Science Seminar
Time & venue: May 17 at 15h00, Zoom
Titel & abstract: To be announced
Speaker: William F Ruddiman, professor emeritus, Dep. of Environmental Sciences, University of Virginia |
| 20
MAY | Bert Bolin Climate Lecture 2021
Time & venue: May 20 at 15h00, Zoom
Title: For how long have humans affected the climate?
Speaker: William F Ruddiman, professor emeritus, Dep. of Environmental Sciences, University of Virginia
Read more» |
| 19-21
MAY | Bolincentrums digitala Klimafestival
Datum och plats: 19–21 maj 2021, digitalt via länk
Vi bjuder in till ett fullspäckat program som sträcker sig över tre dagar. Det blir aktiviteter, föreläsningar och ett livesänt avslut från Campus Frescati den 21 maj som ni garanterat inte vill missa. Välkomna!
Program och bokning» |
| 9
June | Bolin Centre Seminar Series Research Area 4
Time & venue: June 9 at 10h00, Zoom
Title: What can we learn from radiocarbon data of density-fractionated soil from the Lena Delta, Siberia?
Speaker: Prof. Christian Beer, Heisenberg-Professor for dynamics of soil processes, Institute of Soil Science, University of Hamburg |

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

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