



Stockholm  
University

Bolin Centre for Climate Research

A collaboration between Stockholm University, KTH and SMHI

Week 50, 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.



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### Greetings from the co-Directors

As our time as co-Directors of the Bolin Centre comes to an end, we wish you all, and especially our new co-Directors, Ilona and Gustaf, and our new Chairpersons, Martin and Johan, every success in the coming years. It is been a privilege working with you and learning from you all over the years. Thank you and Happy New Year!

Nina and Alasdair



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### Film: COP26 in Glasgow – there and back again

Alasdair Skelton was in Glasgow during the second week of COP26. A media team from Stockholm university followed in his steps to get a picture of what it is like to be a climate scientist, balancing the role of the researcher and the role of personal engagement for change.

[See the film via the Bolin Centre website »](#) or via [Stockholm University's website »](#)

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## Tarfala Research Station Workshop

Welcome to a workshop where we provide inspiration and discuss possibilities to conduct field work in the Swedish Arctic at Tarfala Research Station, TRS. TRS is hosted by the Dept. of Physical Geography at Stockholm University and is Sweden's only research station located right next to glaciers in an Arctic alpine environment. The station is situated in the Tarfala Valley under the Kebnekaise Mountains in northern Sweden and can host up to 30 national and international researchers and students at a time.

**Time:** 7 February 2022, 10h00-14h00

**Venue:** De Geer Hall, Geoscience Building, Stockholm University and Zoom

**Organized by:** [Tarfala Research Station](#) »

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

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## Sweden's reduction of greenhouse gas emissions in 2020 sets record

The Swedish Environmental Protection Agency writes in a press release on 17 December that Sweden's territorial emissions of greenhouse gases decreased by a record 9 percent in 2020 compared to 2019. A large part of the explanation is temporary emission reductions due to the covid-19 pandemic and production stoppages in the industrial sector. There have also been lasting emission reductions through, among other things, reduced use of fossil fuels.

[Read the press release \(in Swedish\) on The Swedish Environmental Protection Agency's website](#) »



### Publications

#### Recent Bolin Centre publications

On [bolin.su.se/publications](https://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.

- Han, Z., Zhang, Q., Li, Q., Feng, R., Haywood, A. M., Tindall, J. C., Hunter, S. J., Otto-Bliesner, B. L., Brady, E. C., Rosenbloom, N., Zhang, Z., Li, X., Guo, C., Nisancioglu, K. H., Stepanek, C., Lohmann, G., Sohl, L. E., Chandler, M. A., Tan, N., Ramstein, G., Baatsen, M. L. J., von der Heydt, A. S., Chandan, D., Peltier, W. R., Williams, C. J. R., Lunt, D. J., Cheng, J., Wen, Q., and Burls, N. J., 2021. Evaluating the large-scale hydrological cycle response within the Pliocene Model Intercomparison Project Phase 2 (PlioMIP2) ensemble. *Clim. Past*: 17, 2537–2558. <https://doi.org/10.5194/cp-17-2537-2021>
- Wallner-Hahn, S., Dahlgren, M., and de la Torre-Castro, M., 2021. Linking seagrass ecosystem services to food security: The example of southwestern Madagascar's small-scale fisheries. *Ecological Services*: Vol. 53, 101381. <https://doi.org/10.1016/j.ecoser.2021.101381>
- Linderholm, H.W., Gunnarson, B.E., Fuentes, M., Büntgen, U., and Hormes, A., 2021. The origin of driftwood on eastern and south-western Svalbard. *Polar Science*: 29, 100658. <https://doi.org/10.1016/j.polar.2021.100658>
- Jönsson, A., & Bender, F. A., 2022. Persistence and Variability of Earth's Interhemispheric Albedo Symmetry in 19 Years of CERES EBAF Observations, *Journal of Climate*, 35(1), 249–268. <https://journals.ametsoc.org/view/journals/clim/35/1/10.1175/JCLI-D-20-0970.1.xml>
- Diiodato, N., Ljungqvist, F.C., and Bellocchi, G., 2021. A millennium-long climate history of erosive storms across the Tiber River Basin, Italy, from 725 to 2019 CE. *Scientific Reports*: 11, 20518. <https://doi.org/10.1038/s41598-021-99720-z>
- Huhtamaa, H., and Ljungqvist, F.C., 2021. Climate in Nordic historical research

– A research review and future perspectives. Scandinavian Journal of History: 46, 665–695. <https://doi.org/10.1080/03468755.2021.1929455>

Please send your newly published publication to [bolin@su.se](mailto:bolin@su.se) »

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Dec

**Disputation: Sara Berglund, PhD candidate, MISU**

**Time:** 17 December, at 10h00 – 12h00

**Venue:** Magnelisalen, Arrheniuslaboratoriet

**Title:** Tracing pathways in the ocean circulation: A temperature and salinity perspective

[Read more on Dep't of Meteorology's website](#) »

23

Dec

**Review seminar: Some oceanographic aspects of the connection between the North Sea and the subpolar North Atlantic**

**Time:** December 23, 14h15-15h15

**Speaker:** Ezra Eisbrenner, PhD student at MISU

**Venue:** Zoom <https://stockholmuniversity.zoom.us/j/64511920152>

Some oceanographic aspects of the connection between the North Sea and the subpolar North Atlantic

**Organizer:** [Dep't of Meteorology](#) »

## OFFICE STAFF - BOLIN CENTRE AT CAMPUS

Due to COVID-19, the Bolin Centre Office will be irregularly staffed at the University. Sometimes, 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](mailto:magnus.atterfors@su.se) (Communications)
- Annika: 072-148 91 49 [annika.granebeck@su.se](mailto:annika.granebeck@su.se) (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](mailto:bolin@su.se).

Editor: Magnus Atterfors

Photo: Martin Jakobsson, Annika Granebeck, Stockholm University

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