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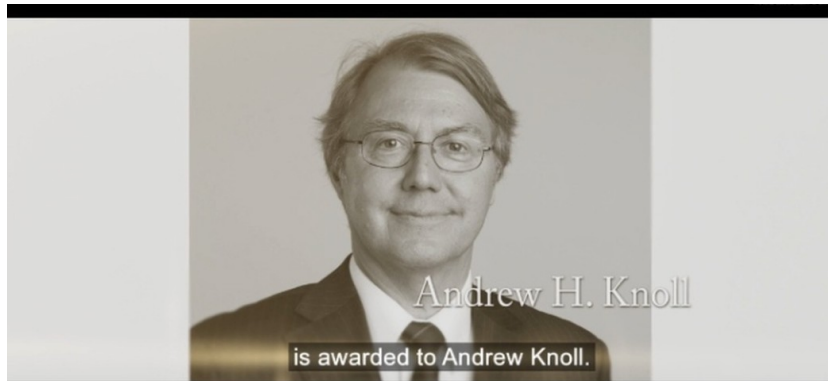
Bolin Centre for Climate Research

A collaboration between Stockholm University, KTH and SMHI

Week 5, 2022

[Click here to read the letter in your browser](#)

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.



Crafoord Prize in Geosciences 2022

Andrew Knoll is awarded the Crafoord Prize in Geosciences 2022. He has depicted the first three billion years of life on Earth using his studies of microfossils and innovative methods to illuminate their biochemical evolution. In recognition of his work, the Royal Swedish Academy of Sciences is awarding him the Crafoord Prize in Geosciences for 2022, worth six million Swedish kronor.

[Read more and see short film on the Swedish Academy of Sciences' website »](#)



Swedish Climate Symposium – 16–18 May 2022

Welcome to the Swedish Climate Symposium in Norrköping, Sweden. The 2.5 day conference will be a meeting spot for national and international researchers and persons working within the climate area in public and private organizations.

Time: 16–18 May 2022

Venue: in-person event in Norrköping, but online possible

Abstract submission: no later than 15 February

Registration: no later than 15 March

Organizers: SMHI, the Strategic Research Areas MERGE and BECC, and the Bolin Centre for Climate Research.

Partners: SMHI/Rosby centre, Lunds Universitet, Göteborgs Universitet, Stockholms universitet, KTH, Chalmers och Linneausuniversitet

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

For programme, registration and abstract submission, visit [the Swedish Climate Symposium website](#) »

Swedish Climate Symposium - Side event for PhD students

The coordinators of the Bolin Centre Climate Research School and ClimBEco cordially invite PhD students of their respective research schools to an exclusive side event on the symposiums second day, May 17, a GREAT opportunity to meet other climate scientists to discuss science and get to know other early-career researchers.

Registration deadline: March 18, 2022

For more information and registration, visit [Centre for Environmental and Climate Science's website](#) »

Postdoctoral Fellow in the project "Partnership for Anthropocene Solutions"

Available position: The candidate will work with a team of researchers from the Bolin Centre for Climate Research, the Stockholm Environment Institute, the Institute for Thematic Studies at Linköping University and the Swedish NGO Klimatriksdagen. Apply before February 25, 2022.

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



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, 10h00-13h30

Venue: Zoom <https://stockholmuniversity.zoom.us/j/66088606879>

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

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

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 for 2022.



Publications

- Devasthale, A., Carlund, T., Karlsson, K., 2022. Recent trends in the agrometeorological climate variables over Scandinavia, *Agricultural and Forest Meteorology*: 316, 108849, ISSN 0168-1923. <https://doi.org/10.1016/j.agrformet.2022.108849>
- Ryberg, E.E., Väiliranta, M., Martinez-Cortizas, A., Ehrén, J., Sjöström, J.K., and Kylander, M.E., 2022. Postglacial peatland vegetation succession in Store Mosse bog, south-central Sweden: An exploration of factors driving species change. *Boreas, An international journal of Quaternary research*. <https://doi.org/10.1111/bor.12580>
- Meeussen, C., Govaert, S., Vanneste, T., Bollmann, K., Brunet, J., Calders, K., Cousins, S.A.O., De Pauw, K., Diekmann, M., Gasperini, C., Hedwall, P-O., Hylander, K., Iacopetti, G., Lenoir, J., Lindmo, S., Orczewska, A., Ponette, Q., Plue, J., Sanczuk, P., Selvi, F., Spicher, F., Verbeeck, H., Zellweger, F., Verheyen, K., Vangansbeke, P., De Frenne, P., 2022. Microclimatic edge-to-interior gradients of European deciduous forests. *Agricultural and Forest Meteorology*: 311, 108699, ISSN 0168-1923. <https://doi.org/10.1016/j.agrformet.2021.108699>
- Palomino-Ángel, S., Vázquez, R.F., Hampel, H., Anaya, J.A., Mosquera, P.V., Lyon, S.W., Jaramillo, F., 2022. Retrieval of Simultaneous Water-Level Changes in Small Lakes With InSAR. *Geophysical Research Letters* 49, e2021GL095950. <https://doi.org/10.1029/2021GL095950>
- Chuvilin, E., Bukhanov, B., Yurchenko, A., Davletshina, D., Shakhova, N., Spivak, E., Rusakov, V., Dudarev, O., Khaustova, N., Tikhonova, A., Gustafsson, O., Tesi, T., Martens, J., Jakobsson, M., Spasennykh, M., Semiletov, I., 2022. In-situ temperatures and thermal properties of the East Siberian Arctic shelf sediments: Key input for understanding the dynamics of subsea permafrost. *Marine and Petroleum Geology*, 105550. [Doi:10.1016/j.marpetgeo.2022.105550](https://doi.org/10.1016/j.marpetgeo.2022.105550)
- De Lombaerde, E., Vangansbeke, P., Lenoir, J., Van Meerbeek, K., Lembrechts, J., Rodríguez-Sánchez, F., Luoto, M., Scheffers, B., Haesen, S., Aalto, J., Christiansen, D.M., De Pauw, K., Depauw, L., Govaert, S., Greiser, C., Hampe, A., Hylander, K., Klings, D., Koelemeijer, I., Meeussen, C., Ogée, J., Sanczuk, P., Vanneste, T., Zellweger, F., Baeten, L., De Frenne, P., 2022. Maintaining forest cover to enhance temperature buffering under future climate change. *Science of The Total Environment*: 810, 151338. <https://doi.org/10.1016/j.scitotenv.2021.151338>
- Lindh M., Hoerber S., Weih M. and S. Manzoni (2022). Interactions of nutrient and water availability control growth and diversity effects in a *Salix* two-species mixture. *Ecohydrology* <https://doi.org/10.1002/eco.2401>
- Murto, S., Caballero, R., Svensson, G., and Papritz, L.: Interaction between Atlantic cyclones and Eurasian atmospheric blocking drives wintertime warm extremes in the high Arctic, *Weather Clim. Dynam.*: 3, 21–44. <https://doi.org/10.5194/wcd-3-21-2022>
- Qiu, C., Ciais, P., Zhu, D., Guenet, B., Chang, J., Chaudhary, N., Kleinen, T., Li, X., Müller, J., Xi, Y., Zhang, W., Ballantyne, A., Brewer, S.C., Brovkin, V., Charman, D.J., Gustafson, A., Gallego-Sala, A.V., Gasser, T., Holden, J., Joos, F., Kwon, M.J., Lauerwald, R., Miller, P.A., Peng, S., Page, S., Smith, B., Stocker, B.D., Sannel, A.B.K., Salmon, E., Schurgers, G., Shurpali, N.J., Wårlind, D., Westermann, S., 2022. A strong mitigation scenario maintains climate neutrality of northern peatlands. *One Earth*: 5. <https://doi.org/10.1016/j.oneear.2021.12.008>
- Holmes, M.E., Crill, P.M., Burnett, W.C., McCalley, C.K., Wilson, R.M., Frolking, S., Chang, K.-Y., Riley, W.J., Varner, R.K., Hodgkins, S.B., IsoGenie Project Coordinators, IsoGenie Field Team, McNichol, A.P., Saleska, S.R., Rich, V.I., Chanton, J.P., 2022. Carbon Accumulation, Flux, and Fate in Stordalen Mire, a Permafrost Peatland in Transition. *Global Biogeochemical Cycles*. <https://doi.org/10.1029/2021GB007113>
- Clement Kinney, J., Assmann, K.M., Maslowski, W., Björk, G., Jakobsson, M., Jutterström, S., Lee, Y.J., Osinski, R., Semiletov, I., Ulfso, A., Wåhlström, I., Anderson, L.G., 2022. On the circulation, water mass distribution, and nutrient concentrations of the western Chukchi Sea. *Ocean Sci.* 18, 29–49. [Doi:10.5194/os-18-29-2022](https://doi.org/10.5194/os-18-29-2022)

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

CALENDER



Tarfala Research Station Workshop

Feb

Time: 7 February 2022, 10h00-13h30

Venue: Zoom <https://stockholmuniversity.zoom.us/j/66088606879>

Organizer: [Tarfala Research Station](#) »

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

9

Feb

Föreläsning med Ilona Riipinen: Den livsviktiga luften

Tid: 9 februari, 18h00-19h00

Plats: Digitalt, via Zoom

Organisatör: Kungliga Ventenskapsakademien

Läs mer och registrering: [KVA's webbplats](#) »

15

Feb

Seminar: The global threat from plastic pollution

An analysis of plastic pollution as a "novel entity" planetary boundary threat, and rational strategies for confronting plastic pollution of the environment.

Time: 15 February at 14h00

Organizer: Stockholm University Centre for Circular and Sustainable Systems (SUCCeSS)

[Read more and register on Dep't of Environmental Science's website](#) »

16-18

May

Swedish Climate Symposium – 16–18 May 2022

The conference will be a meeting spot for national and international researchers and persons working within the climate area in public and private organizations.

Time: 16-18 May

Organizers: SMHI, the Strategic Research Areas MERGE and BECC, and the Bolin Centre for Climate Research

Read more: [The Bolin Centre website](#) »

15-16

Nov

Save the date: The Bolin Days

Time: 15-16 November

OFFICE STAFF - BOLIN CENTRE AT CAMPUS

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

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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, Paul Zieger, Annika Granebeck

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