



Stockholm  
University

Bolin Centre for Climate Research

A collaboration between Stockholm University, KTH and SMHI

Week 2, 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.



Publications - Bolin Centre 2020

**We are finalizing the scientific journal publication list for 2020 on [bolin.su.se/publications](https://bolin.su.se/publications).**

**Make sure that your publication is on the list, in order for it to make it to the Annual Report 2020. If it's not there, please submit it to [bolin@su.se](mailto:bolin@su.se) no later than January 28th.**



Publications

#### Recent Bolin Centre scientist publications

Here are the most recent ones we have published on the website.

- Sherwood, S. C., Webb, M. J., Annan, J. D., Armour, K. C., Forster, P. M., Hargreaves, J. C., Hegerl, G., Klein, S. A., Marvel, K. D., Rohling, E. J., Watanabe, M., Andrews, T., Braconnot, P., Bretherton, C. S., Foster, G. L., Hausfather, Z., von der Heydt, A. S., Knutti, R., Mauritsen, T., Norris, J. R., Proistosescu, C., Rugenstein, M., Schmidt, G. A., Tokarska, K. B., and Zelinka, M. D., 2020. An Assessment of Earth's Climate Sensitivity Using Multiple Lines of Evidence. *Reviews of Geophysics*: 58, 4, e2019RG000678. <https://agupubs.onlinelibrary.wiley.com/doi/full/10.1029/2019RG000678>
- Frey, L., Bender, F., and Svensson, G., 2020. What are the processes controlling the vertical aerosol distribution in marine stratocumulus regions – A sensitivity study using the climate model NorESM1-M. *Atmos. Chem. Phys.* <https://acp.copernicus.org/preprints/acp-2019-846>
- Chadburn, S.E., Aalto, T., Aurela, M., Baldocchi, D., Biasi, C., Boike, J., Burke, E.J., Comyn-Platt, E., Dolman, A.J., Duran-Rojas, C., Fan, Y., Friborg, T., Gao, Y., Gedney, N., Göckede, M., Hayman, G.D., Holl, D., Hugelius, G., Kutzbach, L., Lee, H., Lohila, A., Parmentier, F.-J.W., Sachs, T., Shurpali, N.J., and Westermann, S., 2020. Modeled microbial dynamics explain the apparent temperature sensitivity of wetland methane emissions. *Global Biogeochemical Cycles*: 34, e2020GB006678. <https://doi.org/10.1029/2020GB006678>
- Achtert, P., O'Connor, E. J., Brooks, I. M., Sotiropoulou, G., Shupe, M. D., Pospichal, B., Brooks, B. J., and Tjernström, M., 2020. Properties of Arctic liquid and mixed-phase clouds from shipborne Cloudnet observations during ACSE 2014. *Atmos. Chem. Phys.*: 20, 14983–15002. <https://doi.org/10.5194/acp-20-14983-2020>
- Loisel, J., Gallego-Sala, A.V., Amesbury, M.J., Magnan, G., Anshari, G., Beilman, D., Benavides, J.C., Blewett, J., Camill, P., Charman, D.J., Chawchai, S., Hedgpeth, A., Kleinen, T., Korhola, A., Large, D., Mansilla, C.A., Müller, J., van Bellen, S., West, J.B., Yu, Z., Bubier, J., Garneau, M., Moore, T., Sannel, A.B.K., Page, S., Välikanta, M., Bechtold, M., Brovkin, V., Cole, L.E.S., Chanton, J.P., Christensen, T.R., Davies, M.A., De Vleeschouwer, F., Finkelstein, S.A., Frolking, S., Gałka, M., Gandois, L., Girkin, N., Harris, L.I., Heinemeyer, A.,

Hoyt, A.M., Jones, M.C., Joos, F., Juutinen, S., Kaiser, K., Lacourse, T., Lamentowicz, M., Larmola, T., Leifeld, J., Lohila, A., Milner, A.M., Minkkinen, K., Moss, P., Naafs, B.D.A., Nichols, J., O'Donnell, J., Payne, R., Philben, M., Piilo S., Quillet, A., Ratnayake, A.S., Roland, T., Sjögersten, S., Sonnentag, O., Swindles, G.T., Swinnen, W., Talbot, J., Treat, C., Valach, A.C., Wu, J., 2020. Expert assessment of future vulnerability of the global peatland carbon sink. Nature Climate Change. <https://www.nature.com/articles/s41558-020-00944-0>

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## Arctic Avenue Spring Call 2021

The Arctic Avenue Spring Call 2021 is now 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 »](#)

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## Bolin Center After Work: Serious Gaming for Climate Adaptation

Welcome to after work where we will play SMHI's new Climate Adaptation game! You participate from home with your computer. We provide the gaming platform and game leaders - grab a drink and join in.

Serious gaming has gained increasing prominence in climate change communication, and provides an opportunity to engage new audiences and new platforms for knowledge co-creation and dialogues. This game is about adapting a fictional city, Väderköping, to a changing climate. The players act as decision-makers for the city's climate adaptation, which provides insight into how the economy and people's lives are affected by climate adaptation measures. This is an excellent opportunity to test a novel way to communicate climate research, perhaps you are interested in doing something similar with your research?

**Time & place:** January 20 at 16h00-17h00, online

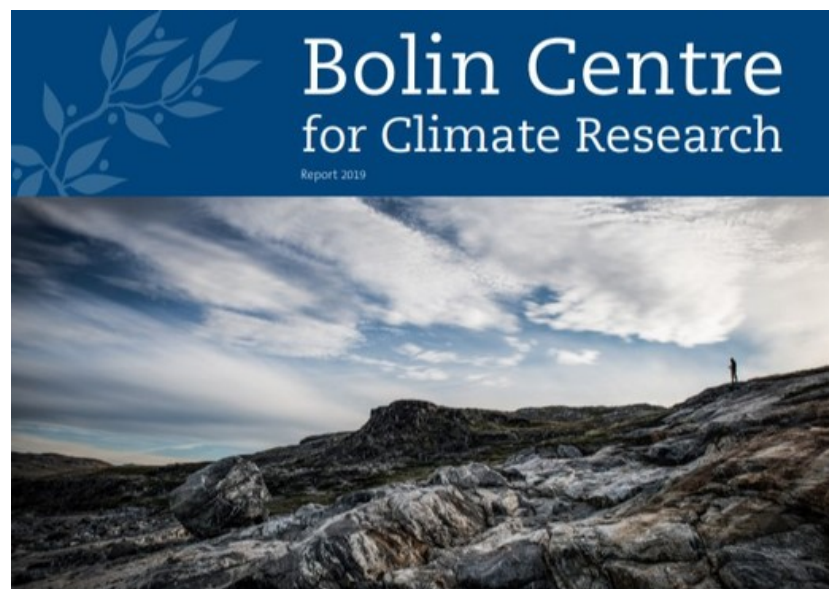
**Game leaders:** Pontus Wallin and Aino Krunegård from SMHI

**Register:** by e-mailing [annika.granebeck@su.se](mailto:annika.granebeck@su.se)

[Read more about the game »](#)

[Research on the Climate Adaptation Game »](#)

The game has been developed by SMHI together with Linköping University and in collaboration with high school teachers.



### Printed version of the Annual Report

Do you need a printed version of the Annual Report 2019? Send an email to [bolin@su.se](mailto:bolin@su.se) »

The report is also available in a [digital format](#) »

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### 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 sign up to join the film screening »](#)

## Experts are invited to review IPCC:s sub-report concerning Impacts, Adaptation and Vulnerability

“Impacts, Adaptation and Vulnerability” is one of three concluding sub-reports within IPCC’s Sixth Assessment Report. From December 4th, the second draft of the sub-report is open for expert review. Registration for experts opened on 27 November and will be possible until midnight CET on 22 January. Welcome to participate!

[Read more on SMHI’s website \(Swedish\) »](#)

[Read more on IPCC’s website »](#)

## BOLIN CENTRE EVENTS

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](mailto:magnus.atterfors@su.se) (Communications)
- Annika: 072-148 91 49, [annika.granebeck@su.se](mailto:annika.granebeck@su.se) (Coordination)
- Eva: 076-650 03 08, [eva.gylfe@su.se](mailto: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](mailto:bolin@su.se).

Editor: Magnus Atterfors

Foto: Martin Jakobsson, Petter Hällberg, Picture a Scientist movie poster,

**Stay updated**

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

