



Stockholm  
University

Bolin Centre for Climate Research

A collaboration between Stockholm University, KTH and SMHI

Week 41, 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.



### The south peak of Kebnekaise continues to melt

The glacier on the south peak of Kebnekaise has melted so much that the change in Sweden's highest point that occurred last year remains. The south peak is 2,096 metres above sea level, compared to the north peak's 2,096.8 metres.

Read article on [the Bolin web site](#)»



### New datasets in the Bolin Centre Database

Several new datasets related to the Arctic Ocean 2018 expedition with icebreaker Oden, and used in the new publication by Baccharini et al. (2020) Frequent new particle formation over the high Arctic pack ice by enhanced iodine emissions. Nature Comm., <https://doi.org/10.1038/s41467-020-18551-0>, are now available in the Bolin Centre Database. A list of all these datasets can be found at <https://bolin.su.se/data?s=baccharini>

In addition, the following two other datasets have also been published recently: Dominic Heslin-Rees, Maria Burgos, Hans-Christen Hansson, Radovan Krejci, Johan Ström, Peter Tunved, Paul Zieger (2020). Aerosol light scattering properties at Zeppelin Observatory, Svalbard, 1999–2016, with back trajectory analysis parameters. Dataset version 1.0. Bolin Centre Database. <https://doi.org/10.17043/zeppelin-aerosol-light-scattering>

Britta Sannel (2020). Ground temperature, thaw depth and snow depth in a permafrost peatland in Tadvavuoma, northern Sweden. Dataset version 1.0. Bolin Centre Database. <https://doi.org/10.17043/sannel-2020>

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#### New Policy Brief from the Bolin Centre Climate Arena

The public discussion of what effects aviation has on climate – and how to minimize these effects – has been confusing. Part of this confusion comes from an incomplete understanding of what the effects are and how they work. This policy brief, titled Aviation, climate, and the “high altitude” effect, aims at reducing the confusion by trying to be clearer about exactly what is being discussed and compared in regards to aviation’s influence on climate.

You can find the policy brief on our website under the [Climate Arena tab](#)», or you can [click here \(PDF\)](#)»

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#### Iodic acid may play pivotal role in Arctic cloud formation

An international team of scientists from the Department of Environmental Science and the Bolin Centre of Climate Research at Stockholm University, the Swiss Federal Institute of Technology Lausanne (EPFL), and the Paul Scherrer Institute’s Laboratory of Atmospheric Chemistry (PSI), both in Switzerland, has identified iodic acid as a novel driver of new aerosol particle formation in the Arctic during the summer to fall transition.

[Read article on the Bolin web site »](#)

### BOLIN CENTRE EVENTS

**Bolin Centre Seminar Series | Research Area 8**

20  
October

Time & venue: Oct 20 at 16h00, Zoom  
Titel: The interplay of plasticity and evolution in insect responses to variable, changing environments  
Speaker: Lauren Buckley, Department of Biology, University of Washington  
[Read more on the Bolin web site»](#)

25-26  
November

#### Bolin Days

The Bolin Days will take place in a COVID-19- adjusted format. If you are interested in Climate and the Earth Sciences, you are welcome to join in! More info will follow.  
[Read more on the Bolin web site»](#)

### OTHER EVENTS AND INFORMATION

19  
October

#### Ongoing processes for the decarbonization by 2050. An European approach

Time & venue: Oct 19 at 09h30, Online  
Europe is committed to ending the 2050 decarbonization process to tackle climate change. Most of this process concerns the elimination of fossil fuels in the transformation of energy and finds out appropriate smart energy systems. How does this theme fit into the wider issue of climate change? At which state are the European Countries? Is there a form of cooperation between countries to exploit a technical-scientific synergy?  
Read [Webinar Programme»](#)  
Registration: via [the online form](#) by **15 October**.  
The webinar is organized by Sapienza University of Rome within Civis.

4  
November

#### Baltic Sea Days 2020

Time and venue: Nov 4, at 08.00 – 17.00, online  
At Stockholm University, marine research is performed by almost 300 researchers across nine different departments. To promote and strengthen the Baltic Sea research at the university, the Baltic Sea Centre arranges the virtual conference Baltic Sea Day.  
Programme will be published on [Baltic Sea Centre's web site»](#)

10-26  
November

#### Conference EcoChange 2020

Time & venue: 10-26 November  
The strategic research programme EcoChange focuses on the effects of climate change on marine ecosystems, particularly in the Baltic Sea. More information [on conference web site»](#)



#### Arctic Avenue Fall Call 2020

The Arctic Avenue Fall Call 2020 is now open. Application deadline is **October 20, 2020**. [Specific information for the call and application »](#)

Please send the application to the Arctic Avenue Steering Committee by email to [Annika Granebeck](#) and [Kaarina Weckström](#). State *Application for Arctic Avenue funding* in the subject heading.

A call is also planned for spring 2021.  
Welcome with your application!

### 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 autumn).

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).

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