



Week 10, 2020

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The Bolin Centre is a multi-disciplinary consortium of over 350 scientists in Sweden that conducts research and graduate education related to the Earth's climate.



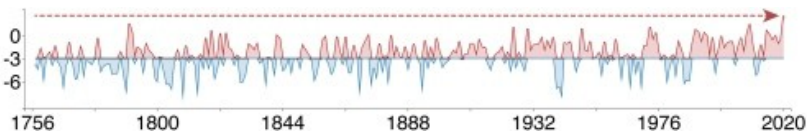
Warmest winter in Stockholm on record

Handwritten weather record from 1756, titled "Januari månad. Meteor. öfver Stockholm år 1756." The table is divided into "förr middagen" (before dinner) and "efter middagen" (after dinner) observations.

Day	förr middagen	efter middagen	Time	Wind
1	klart.	klart	15,11 - 8	9 0
2	klart. Rök rökspjett.	klart	15,32 - 9	9 0
3	mycket allra rökare, vindstilla.	klart	15,38 - 10	7 0
4	mycket. Hått foga	klart	15,40 - 7	8
5	Mycket.	klart	15,57 - 9	5 10.14

[This year's winter in Stockholm](#) is the warmest one on record since daily weather observations began in 1756. [The Bolin Centre for Climate Research database](#) now presents live temperature data through new interactive graphics. Explore data and read about the history behind [Stockholm Historical Weather Observations](#).

Stockholm most likely holds the world's longest continuous record of air temperature, and although there are places like Uppsala where one started earlier, the locations of the observations have been changing. In Stockholm however, the observations have always been carried out from the same geographical location, and that is unique. Nowadays, the weather station by Stockholms old observatory is included in the SMHI's national station network.



"Thanks to the extensive record, we know that the annual average temperature in Stockholm and its surrounding area during the 2000s have been, on average, 1.5 to 1.7 degrees warmer than the climate that prevailed here from the 1750s to the early 1900s. This change is mainly due to human caused global warming" explains Anders Moberg, climate scientist and coordinator of the Bolin Centre for Climate Research Database at Stockholm University.

This year's winter, ranging from December to February, had an average temperature of +2.6°C. That is 5.6 degrees warmer than the average for the 250-year period between 1756–2005, and 1.0 degrees warmer than the two second warmest winters: 1790 and 2008.

BOLIN CENTRE EVENTS

In Swedish | Klimatarenan workshop: Fokus på utsläpp i hela värdekedjan



Welcome to attend The Bolin Centre Climate Arena workshop on March 4th with the theme *Calculations of organizations carbon footprint - Emissions in the entire value chain (Scope 3)*.

When & where: Aula Magna, at 12h00-16h00 (drop-in lunch from 11.00)
The workshop will be in Swedish.

The Bolin Centre Climate Arena is a platform where researchers and external partners meet and discuss - and the external partners wants to meet you! We will start the workshop with presentations and end with discussions. The presentations will involve:

- Introduction to climate calculations throughout the whole value chain
- Presentation on Science Based Targets, the Paris Agreement and business perspectives on climate calculations and measures
- Presentations from the ICT sector and the fashion industry

Elisabeth Däcker is the Bolin Centre contact for this project. Please contact Elisabeth if you would like to take part in the workshop and/or if you have any thoughts or questions, elisabeth.dacker@geo.su.se.

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MARCH

Bolin Centre Seminar Series | Research Area 5

Titel: Reconstructing climate and environmental changes from the Lateglacial to modern times from lake and peat sediments

Speaker: Minna Väiliranta, Environmental Change Research Unit (ECRU), Ecosystems and Environment Research Programme, University of Helsinki, Finland

Time & place: March 4 at 11h00–12h00, Ahlmann Hall, Geoscience Building

Abstract»

Fika will be served, welcome!

23
MARCH

Bolin Centre Seminar Series | Research Area 2

Titel: Addressing the Arctic cloud problem in global and nested models

Speaker: Gillian Young, Institute for Climate and Atmospheric Science, School of Earth and Environment, University of Leeds, UK

Time & place: March 23 at 13h00–14h00, Ahlmann Hall, Geoscience Building.

Abstract: will soon be announced at bolin.su.se. Fika will be served, welcome!

29
APRIL

Bolin Centre Seminar Series | Research Area 3

Titel: Reconstructing glacier-climate interactions from the glacial landform record

Speaker: Benjamin Chandler, Department of Physical Geography, Stockholm University

Time & place: April 29 at 13h00–14h00, Ahlmann Hall, Geoscience Building.

Abstract: to be announced. Fika will be served, welcome!

11-15
MAJ

In Swedish | Klimatfestivalen

I år låter vi Klimatfestivalen växa från tre till fem dagar. Första dagen blir en dag för skollärare med fokus på fortbildning och det läromaterial som Bolincentret har tagit fram. Dag två–fyra blir det ordinarie klimatfestival i Geovetenskapens hus. Nytt för i år är att vi sista dagen firar klimatvetenskapen med ett stort event i Kungsträdgården! Dagen erbjuder både vetenskapliga inslag och musikuppträdanden - boka in det i kalendern redan nu.

25-26

Bolin Days

Welcome to this year's Bolin Days. If you are interested in Climate and the Earth Sciences, you are welcome to join us. We offer an interesting scientific programme and lots of fun social events.

OTHER EVENTS, INFO, ETC.

ASIAQ field course



This course aims to bring young researchers together across disciplines, within the broad domain of Arctic research and research communication, in order to build new networks and develop communications skills. The objectives are both linked to different ongoing Arctic research initiatives such as the Arctic Science IntegrAtion Quest (ASIAQ) Project and Arctic Avenue, and to make a communication effort for the Tarfala Research Station, TRS.

Course date

June 29 -July 3, 2020, excluding travels

Grants

We offer grants which covers the course fee for approximately three young researchers affiliated with the Arctic Avenue programme, and three young researchers from each ASIAQ partner university, i.e. Stockholm University, KTH Royal Institute of Technology, Umeå University, Northern (Arctic) Federal University, University of New Hampshire and University of Tokyo.

Smaller travelling grants is also possible.

[More information»](#)

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 in coming Weekly News, you are welcome to send these to bolin@su.se.

Editor: Annika Granebeck

Foto: Martin Jakobsson, Pehr Wargentín, the Bolin Centre for Climate Research database, Annika Granebeck

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