



Stockholm
University

Bolin Centre for Climate Research

A collaboration between Stockholm University, KTH and SMHI

Week 18, 2019

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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.



In Swedish | Snabb kollaps av permafrost ökar utsläppen av växthusgaser

Igår publicerades en artikel i Nature om att snabb kollaps av permafrost ökar utsläppen av växthusgaser. Bolincenterforskarna Gustaf Hugelius, Britta Sannel och Peter Kuhry vid Institutionen för naturgeografi är medförfattare. Läs mer i [pressmeddelandet](#).

Productive RA5 Workshop

On April 29 Research Area 5, RA5, had a very productive workshop on key problems of ongoing paleoclimate research at the Bolin Centre. The entire program for the workshop is found [HERE](#).



BOLIN CENTRE SEMINARS AND EVENTS

13-15
MAY

In Swedish | Bolincentrets Klimatfestival

[Klimatfestivalen](#) är vårt största publika event då vi öppnar upp för både skolor och allmänhet. Vi erbjuder ett stort antal intressanta klimataktiviteter och vi har redan ca 2000 förbokade besökare. Festivalen är även en möjlighet för Bolincentrets medlemmar att ta del av vårt outreach-arbete. Tips! De populärvetenskapliga föreläsningarna passar utmärkt som fortbildningstillfälle och ger inblick i andra discipliner än den egna. Välkommen!

Tid & plats: 13-15 maj i Geovetenskapens hus, Stockholms universitet

The Bolin Centre Seminar Series

The Bolin Centre seminar series is open for everyone and provides opportunities to learn about current research topics in the Bolin Centre. We strive to trigger lively discussions and facilitate both internal and external collaborations. Fika will be served, welcome!

16
MAY

Bolin Centre Seminar Series | Research Area 4

Titel: Using land-based sites for air-sea interaction studies; Östergarnsholm and the Baltic Sea carbon budget
Speaker: Anna Rutgersson, Department of Earth Sciences, Uppsala University
Time & place: May 16 at 13h00-14h00, De Geeralen, Geoscience

Building, Stockholm University

The marine micrometeorological station Östergarnsholm has been used since 1995 for studies focusing various aspects of air-sea interaction. Using a land-based site for marine studies puts extra stress on the evaluation of site and data, but also gives the possibility of relatively long-term data sets. The talk will include new results concerning air-surface exchange and air-sea interaction. Since 2015 the Östergarnsholm site is the only marine site in the ICOS (Integrated Carbon Observation System), and data focusing the role of Östergarnsholm and coastal seas in the global carbon cycle will be addressed.

OTHER INFORMATION, SEMINARS AND EVENTS

Public seminars

The Department of Physical Geography has a [Climate Model Simulation Course](#) which organise several public seminars, all Bolin scientists are welcome to these! Upcoming seminars are:

09 May, 13.00-13.45, Högbomsalen

How well do reanalyses represent the African precipitation, Qiong Zhang, Stockholm University

14 May, 13.00-13.45, William-Olssonsalen

Temperature and hydroclimate variations during the last millennium, Fredrik Charpentier Ljungqvist, Stockholm University

20 May, 13.00-13.45, Högbomsalen

What can we learn from rapid climate shifts during the late glacial? Frederik Schenk, Stockholm University

23 May, 13.00-13.45, Högbomsalen

The impact of solar and volcanic forcing investigated in model-data climate reconstructions of seasonal resolution, Jesper Sjolte, Lund University

28 May, 13.00-13.45, Högbomsalen

Half the world's population already experiences a climate 1.5°C warmer than preindustrial, Chris Brierley, University College London, UK

03 June, 10.00-10.45, Högbomsalen

Orbit-controlled millennial scale climate resonances, Xu Zhang, Lanzhou University, China

05 June, 13.00-13.45, Ahlmannsalen

Examining El Niño in the past: towards a data-model consensus, Zhengyao Lu, Lund University

Workshop for future Swedish Antarctic research

Antarctica is experiencing relentless change with consequences for climate, sea level, biodiversity, global ecosystem functioning and services. During the past five years the international scientific community has come together in multiple venues to discuss how to better our knowledge of the processes that govern this global change, natural variability and the role of humans in the Earth and climate system. Following these efforts the Swedish Polar Research Secretariat will hold a [Planning Workshop for future Swedish Antarctic and Southern Ocean research activities & excellence](#).

When & where: 23 May 2019, 13:00–16:00 Hörsalen at Geovetarcentrum, Göteborg

Summer School: Dynamics and Predictability of the Ocean-Atmosphere System and Computational Aspects"

[This Summer School](#) brings together scientists from weather forecasting, oceanography and computing and aims to educate and motivate young postgraduates and researchers from mathematics and numerical analysis to climate and environmental science. The course takes place July 22–August 2, 2019 at the National Institute of Marine Science and Technology (INSTM) 28, rue du 2 mars 1934, 2025 Salammbô, Tunisia

Swiss Climate Summer School 2019

[The 18th International Swiss Climate Summer School](#) focuses on the theme Carbon and climate in the Paris world: getting out of the fossil fuel carbon budget crunch. The course takes place 8 September – 13 September 2019 at Congressi Stefano Franscini, Monte Verità, Ascona, Switzerland.

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
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