



Stockholm
University

Bolin Centre for Climate Research

A collaboration between Stockholm University, KTH and SMHI

Week 37, 2018

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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.



New article in Nature Communications

A new study by researchers from Germany and Sweden (Gia Destouni, NG) has revealed the development of drought impacts, like in this summer, across Europe. The study shows that persisting and accumulating precipitation deficits cause decreased soil moisture within days and lower stream flows within weeks, while vegetation and crops can remain unaffected for several months. The article "Drought reduces blue-water fluxes more strongly than green-water fluxes in Europe" is published [HERE»](#). Link to SU article [HERE»](#).



New article in Nature Ecology and Evolution

Stefano Manzoni (NG), Gustaf Hugelius (NG), Juri Palmtag (NG) are co-authors of the article "A plant-microbe interaction framework explaining nutrient effects on primary production", which is published [HERE»](#). The idea behind the study is presented by the first author [HERE»](#) - it all started with a passionate discussion about the relevance of phosphorus (P) limitation in Arctic tundra soils. Link to SU article [HERE»](#).



Do you also have interesting research that you would like to share? Please contact bolin@su.se.

Impressive series of articles by Bolin Centre scientists

An impressive series of articles by Bolin Centre scientists just published online as part of a new special issue on nature-based solutions in the high impact paper Land Degradation and Development. They have particular relevance to Research Area 7 and Research Area 3. More information [HERE»](#).

New datasets in the Bolin Centre Database

Three new datasets are now available at the Bolin Centre Database:

- Fennoscandian hydroclimate proxies for the last 2000 years. Hans Linderholm, Björn Gunnarson, et al., <https://bolin.su.se/data/Linderholm-2018>
- Biomes of the Last Glacial Maximum permafrost region. Amelie Lindgren et al., <https://bolin.su.se/data/Lindgren-2018>
- Holocene plant macrofossil and geochemical data from permafrost peatlands in Finnmark, Norway. Britta Sannel and Sofia Kjellman., <https://bolin.su.se/data/Kjellman-2018>

Do you also have datasets that you would like to share at the Bolin Centre Database? It is easy! Welcome to use our data entry form at <https://bolin.su.se/data/contribute.php>. If you have any questions, please contact bolindata@su.se.

BOLIN CENTRE IN MEDIA



Intervju med Gia Destouni och Erik Kjellström på Klotet, SR P1

In Swedish | Gia Destouni (NG) och Erik Kjellström (Rossby Centre) svarade på frågor om vatten, anpassning av samhället till extremväder och hur vi kan hantera och förstå vidden av klimathotet i radioprogrammet Klotet på SR P1 den 22 augusti. Lyssna på intervjun [HÄR»](#)



Interview with Professor Gia Destouni for EGU

Gia Destouni (NG) was interviewed by Zara Kalantari (NG) about the history of hydrology. The interview was organized and published by the European Geosciences Union (EGU).

[Link](#) to the interview.

[Link](#) to SU article about the interview.

Intervju med Qiong Zhang i P1 Vetenskapsradio

In Swedish | Qiong Zhang (NG) är med i P1 Vetenskapsradion om sin Scienceartikel med tema: "Storskalig solkraft kan få Sahara att blomma". Lyssna på inslaget [HÄR»](#)

BOLIN CENTRE SEMINARS AND EVENTS

13

SEPT

Bolin Centre Guest seminar | Leonard Barrie

Titel: The Impact of Atmospheric Sand and Dust on Climate and Environment

Speaker: Leonard Barrie, prof emeritus Stockholm University and the Cyprus Institute, adjunct prof. McGill University, Montreal and former Director of the Bolin Centre

Time & place: **TODAY** September 13 at 11h00–12h00, Ahlmannsalen, Geoscience Building

Abstract: [HERE](#)

Lunch sandwich: will be served, please e-mail bolin@su.se no later than 13/9 at 9.30 AM if you would like one

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SEPT

Bolin Centre Seminar Series | Research Area 8

Titel: Palaeogenomic history and extinction dynamics of the woolly mammoth

Speaker: Professor Love Dalén, the Swedish Museum of Natural History

Time & place: **TODAY** September 13 at 14h00–15h00, Ahlmannsalen, Geoscience Building

Abstract: [HERE](#)

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SEPT

Research Area 3 Seminar | Tom Gleeson

Title: Is groundwater actually connected to other earth systems?

Speaker: Tom Gleeson, University of Victoria, Canada. Tom Gleeson leads the Groundwater Science and Sustainability Research Group at University of Victoria, Canada and was awarded the AGU Hydrology Early Career Award

Time and place: September 17 at 11h00, Ahlmannsalen, Geoscience Building

Abstract: [HERE»](#)

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SEPT

Research Area 4 Seminar Series | Christian Rödenbeck

Titel: Interannual variations of terrestrial CO₂ fluxes 1957-2016 and their relation to climate variations

Speaker: Christian Rödenbeck, Max Planck Institute for Biogeochemistry

Time & place: September 21 at 13h00–14h00, Nordenskiöldsalen, Geoscience Building

Abstract: [HERE](#)

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OCT

Bolin Centre Seminar Series | Research Area 6

Titel: The rise and fall of the Cretaceous Hot Greenhouse climate

Speaker: Brian T. Huber, Department of Paleobiology, Smithsonian Institution

Time & place: October 10 at 11h00–12h00, Ahlmannsalen, Geoscience Building

Abstract: [HERE](#)

Lunch sandwich: will be served, please e-mail bolin@su.se if you would like one

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 Burström

Foto: Martin Jakobsson, Nature Communications, Nature Ecology and Evolution, Susanna Baltscheffsky/Sveriges Radio, History of Hydrology session at European Geosciences Union.

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