

Week 39, 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.



Bolin Centre Database

More than 30 datasets have been published since end of May. One of the new datasets, *Global weather forecast data with model EC-Earth – ensemble dataset for historical and future conditions*, by Sebastian Scher at the Department of Meteorology (<https://bolin.su.se/data/scher-2019>) is very large: 153,404 data files together amounting to 8.1 TB disk space. This is our by far largest dataset so far. It is also our first case with a complete dataset from an ensemble simulation with an Earth System Model.

Another new dataset is very small, but instead has an attractive way of visually presenting temperature time series: *Warming stripes – visualisations of annual temperature series from the Nordic countries*, by Nina Kirchner at the Department of Physical Geography (<https://bolin.su.se/data/kirchner-2019-warming-stripes>).

Several of the new datasets consist of various meteorological observational data from three expeditions to the Arctic Ocean with icebreaker Oden: *Arctic Ocean 2018*, *Arctic Ocean 2016*, and *SWERUS-C3*, with Michael Tjernström and John Prytherch as responsible scientists for the actual data. All these new datasets have been prepared for publication by John Prytherch and they can be found (together with a few previously published similar datasets) by typing <https://bolin.su.se/data/?s=prytherch> in the address field of a web browser.

Another subset of the new data is a collection of Stockholm Historical Weather Observations, containing temperature, air pressure and cloud observation data from the old astronomical observatory in Stockholm back to 1756 together with snow depth observations since 1904. This collection of datasets, managed by Anders Moberg at the Department of Physical Geography, is actually not entirely new in our repository, but each individual dataset is now described with its own metadata. All can be found by typing <https://bolin.su.se/data/?s=stockholm+historical+weather+observations+astronomical>.

The other new individual datasets are:

- Stordalen lake temperatures (v 2.0), Patrick Crill, the Department of Geological Sciences: <https://bolin.su.se/data/crill-2019>
- Glacier-proximal water temperatures in Kongsfjorden and Tempelfjorden, Svalbard, 2016-2017, Nina Kirchner et al.: <https://bolin.su.se/data/kirchner-2019-2>
- North Atlantic subpolar gyre index, Léon Chafik, the Department of Meteorology: <https://bolin.su.se/data/chafik-2019-2>
- Calculated seafloor ruggedness index (TRI) of the Baltic Sea, Martin Jakobsson, the Department of Geological Sciences: <https://bolin.su.se/data/jakobsson-2019>
- Acoustic midwater data from the Southern Quark, Baltic Sea, 2017. Martin Jakobsson and Christian Stranne, the Department of Geological Sciences: <https://bolin.su.se/data/jakobsson-2019-2>
- Storminess proxy data for the last 6670 years from Laphroaig Peat Bog, Islay, Scotland, Malin Kylander, the Department of Geological Sciences: <https://bolin.su.se/data/kylander-2019>

All Bolin Centre scientists are welcome to publish their data - both new and old ones - in our repository! Please, contact the database staff at bolindata@su.se if you need help or if you want to discuss individual solutions for data visualizations, how to publish large or complex datasets, etc.

Available position at the Bolin Centre



The Bolin Centre is hiring a **communicator**. The communicator will be part of the Bolin Center's directorate together with the center's two directors and a coordinator. The communicator will be responsible for developing, planning and executing both internal and external communication. See the full job description [here](#). Deadline for application is October 11, 2019. Welcome to apply!

BOLIN CENTRE IN MEDIA



In Swedish | Svalbards glaciärer

Bolincenterforskare var med i ett inlägg i [Aktuellt tidigare i veckan](#), angående ett fotoprojekt om Svalbards smältande glaciärer.

- De senaste 5-10 åren har det börjat regna mitt i vintern, det är någonting helt nytt, säger Erik Schytt Holmlund. Projektet uppmärksammades i samband med FN:s klimattoppmöte i New York och rapportsläppet av [IPCC:s specialrapport om Havet och kryosfären i ett förändrat klimat](#).

In Swedish | Gästkrönika

Idag avslutas Global Climate strike med att både unga och vuxna kommer att strejka tillsammans. Global Climate strike har pågått i en vecka och har uppmärksammats på olika håll. Bolincenterforskaren Douglas Nilsson, the Department of Environmental Science and Analytical Chemistry, har skrivit en gästkrönika, [Listen to the scientists](#) för Vetenskap och Allmänhet.



BOLIN CENTRE SEMINARS AND EVENTS

10

OCT

Bolin Centre Seminar Series 2019 | Research Area 6

Titel: Project GLOBAL GINKGO: Refining a palaeo-pCO₂ proxy using a living fossil plant

Speaker: Margret Steinhorsdottir, Department of Palaeobiology, Swedish Museum of Natural History

Time & place: October 10, 13h00–14h00, Ahlmannsalen, Geoscience Building

Abstract: [HERE](#)

16

OCT

Working with Python on Tetralith

Representatives from the National Supercomputer Centre (NSC) will give a training event on how to use Python on the supercomputer Tetralith. The training event will focus on how to set up customised Python environments using conda.

Time & place: October 16, 10h30, Ahlmannsalen, Geoscience Building
[More information and registration](#)

22

OCT

The Bolin Centre PhD Day

We welcome all PhDs and Postdocs within the Bolin Centre to our PhD Day! The day will include PhD-presentations and posters, guest lectures, dinner, pub and much more.

Time & place: October 22 in the William Olssonsalen, Geoscience building

Please register: by e-mail to eva.gylfe@su.se no later than Oct 8
Full program: [HERE](#)

19
NOV

Bert Bolin Climate Lecture 2019

Every year, a distinguished Bert Bolin Climate Lecturer is invited to Stockholm to hold a popular science lecture. The 2019 Bert Bolin Climate Lecture will be given by Professor Maureen E. Raymo, a renowned scientist who has been a pioneer in the study of ice ages and sea level in Earth's history.

When & where: November 19 at 14h00–15h00, Aula Magna

20-21
NOV

Bolin Days

Welcome to this year's Bolin Days! We offer an interesting scientific programme and fun social events.

Time & place: November 20-21, Nordenskiöldsalen, Geoscience Building. Please save the date, more info to come.

3
DEC

Bolin Centre Seminar Series 2019 | Research Area 7

Time & place: December 3, 14h00–15h00, Ahlmannsalen, Geoscience Building. Please save the date, more info to come.

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, Annika Granebeck, SVT

Stay updated

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