



Welcome to the Bolin Days

The Bolin Centre for Climate Research warmly invites you to the Bolin Days with interesting scientific discussions and a friendly gathering!

There will be interesting talks and posters by members of the Bolin Centre, discussions over fika, a PhD poster competition with refreshments and give-aways and a nice relaxed dinner with a Ceilidh dance. There are excellent opportunities to interact with the Bolin Centre External Science Advisory Group during the Bolin Days. The Bolin Centre are also hosting a seminar by the internationally renowned researcher in climate and the Earth system Will Steffen the day before the Bolin Days.

Wednesday, November 18

De Geer room, De Geer foyer, Y20 and Y23, Geoscience building, Stockholm University

09:00–09:15	Welcome to the Bolin Days	Alasdair Skelton & Leonard Barrie
09:15–10:30	RA 3: Hydrosphere, Cryosphere and Climate <i>Introduction to RA3</i> <i>On the use of photographs in cryospheric research</i> <i>Risk Identification Methods to reduce the vulnerability of transport infrastructure in Sweden to extreme weather events</i> <i>Climate driven change in butterfly first flight</i> <i>Wetland development to reduce climate risks in Africa</i>	Chair: Magnus Mörth Margareta Hansson Per Holmlund Zahra Kalantari Carmen Prieto Steve Lyon
10:30–11:00	Fika & poster preview	
11:00–12:15	RA 1: Oceans-atmosphere dynamics and climate <i>Introduction to RA1</i> <i>Inter-hemispheric coupling in the middle atmosphere</i> <i>Global atmospheric circulation and extremes</i> <i>Tuning and validation of climate models and earth system models</i> <i>Climate response to mid-Holocene Green Sahara in EC-Earth simulations</i> <i>Climate change viewed in the hydrothermohaline framework</i>	Chair: Johan Nilsson Johan Nilsson Bodil Karlsson Nili Harnik Ralf Döscher Qiong Zhang Kristofer Döös
12.15–13:15	Lunch with sandwiches	
13:15–14:30	RA2: Clouds, aerosols, turbulence and climate <i>Introduction to RA2</i> <i>Cloud and aerosol characterization during CAESAR 2014</i> <i>Observation and characterization of thin clouds in the tropical middle troposphere</i> <i>Quantum mechanics based new particle formation in large scale modeling</i> <i>Monsoonal clouds over the Indian subcontinent: importance in the climate system and current space borne observation capabilities</i>	Chairs: Ilona Riipinen & Annica Ekman Ilona Riipinen & Annica Ekman Paul Zieger Quentin Bourgeois Tinja Olenius Abhay Devasthale
14:30–15:30	Poster presentations	
15:30–16:30	Poster competition, refreshments & Bolin Centre give-aways	
16:30–18:30	Screening and discussion of the film »This Changes Everything« Film based on a book by Naomi Klein. See trailer on Bolin Centre web site.	



Bolin Days 2015

Thursday, November 19

De Geer room, De Geer foyer, Y20, Y23 and the Geopub at U1, Geoscience building, Stockholm University

09:00–10:15	RA 6: Orbital to tectonic climate variability <i>Introduction to RA6</i> <i>Arsenic stress after the Proterozoic glaciations</i> <i>The role of CO₂ in Eocene-Oligocene climate change - insights from a terrestrial plant record</i> <i>Timing of past glaciations across Central Asia</i> <i>The leapfrogging behavior of marine based ice sheets - new insights from the Petermann Expedition 2015 with icebreaker Oden to northeastern Greenland</i>	Chair: Helen Coxall Nina Kirchner Ernest Chi Fru Margret Steinthorsdottir Robin Blomdin Martin Jakobsson
10:15–10:45	Fika	
10:45–12:00	RA 4: Biogeochemical cycles and climate <i>Introduction to RA4</i> <i>Cold, wet and old: how we count the huge stocks of carbon stored in northern soils</i> <i>Carbon stock and carbon turnover of boreal and temperate forests</i> <i>From ice-covered plains to rusty rivers: isotopic insights from the Lena River spring flood</i> <i>Where does all the carbon go? Microbial studies on the Siberian shelf and slope</i>	Chair: Christian Beer Volker Brüchert Gustaf Hugelius Martin Thurner Catherine Hirst Volker Brüchert
12:00–13:00	Lunch with sandwiches	
13:00–14:15	RA 5: Historical to millennial climate variability <i>Introduction to RA5</i> <i>Estimating Arctic amplification using ratios</i> <i>Major cooling intersecting peak Eemian interglacial warmth in northern Europe</i> <i>North Atlantic hydro-climate response to Fennoscandian freshwater forcing at the onset of the Younger Dryas</i> <i>On the enigmatic similarity in Greenland $\delta^{18}O$ between the Oldest and Younger Dryas</i> <i>Warmer summers during the Younger Dryas cold period</i>	Chair: Malin Kylander Malin Kylander Alistair Hind Karin Helmens Francesco Muschitiello Francesco S.F. Pausta Frederik Schenk
14:15–14:45	Fika	
14:45–16:45	Climate Research School session <i>Introduction to the Climate Research School</i> <i>The PhD conference on Askö Laboratory</i> <i>Application of laser scanning data for improving streamflow monitoring</i> <i>Sahelian-Sudan moisture sources from Lagrangian and Eulerian models</i> <i>In situ toxicity testing using a nerite gastropod</i> <i>Are methane emissions from northern lakes hidden in wetland estimates?</i>	Chair: Björn Gunnarson Björn Gunnarson Marin Stanev Norris Lam Abubakr Salih Maria Bighiu Martin Wik
16:45	Closing remarks	Leonard Barrie & Alasdair Skelton
17:00	Refreshments	
17:30	Dinner, presentation of poster competition winner and pub with live music At U1 in the Geoscience building, Stockholm University	