



Welcome to the Bolin Days

The Bolin Centre for Climate Research invites you to the Bolin Days

Welcome to the 2017 Bolin Days! In addition to sessions hosted by each of our eight research areas, we welcome you to special sessions held by our new External Science Advisory Group members and with a focus on collaboration with the Human Science Academic Area. There will be a poster competition for PhD students, and you will have the opportunity of meeting with our database team as well as learning more about our mentoring scheme. Finally, welcome to our annual dinner followed by a ceilidh dance with live music.

Wednesday, November 22

De Geer room and foyer, Y20, Y21 and Y23, Geoscience building, Stockholm University

08.45–09.00	Welcome to the Bolin Days	Nina Kirchner & Alasdair Skelton
09.00–10.00	RA8 Biodiversity and climate <i>Genetic variation in seasonal adaptations along latitudinal and altitudinal clines in a butterfly</i> <i>Land use changes and their influence on tree growth in the Stockholm region</i> <i>Climate, life-history and a multitrophic food web on oak</i> <i>The effects of temperature on the synchrony of species interactions</i>	Sara Cousins Olle Lindestad Eva Rocha Ayco Tack Karl Gotthard
10.00–10.30	Fika with database helpdesk, mentoring and modelling coordinators and poster preview	
10.30–11.30	RA7 Landscape processes and climate <i>Climate and land use effects on species interactions</i> <i>Coastal blue carbon sequestration: Driving processes in seagrass-dominated landscapes</i> <i>Environmental monitoring and model-based maps: Examples from NILS (National Inventory of Landscapes in Sweden) and NFI (The Swedish National Forest Inventory)</i> <i>Presentations of new projects funded by RA7</i>	Zahra Kalantari Bodil Elmhagen Martin Gullström Henrik Hedenås Line Gordon, Stefano Manzoni, Jerker Jarsjö & Ayco Tack
11.30–12.30	RA6 Deep time climate variability <i>Did the uplift of the Al Hajar Mountains in NE Arabia influence the Somalia Jet?</i> <i>Putting the 'hot' in 'hothouse': The evolution of fire-adapted plants during an extreme global greenhouse event</i> <i>Variable elemental composition of organic material and its effect on oceanic CO₂ storage in paleoclimate modelling</i>	Helen Coxall & Margret Steinthorsdottir Reuben Hansman Chris Mays Malin Ödalen
12.30–13.30	Lunch with sandwiches	
13.30–14.30	RA5 Historical to millennial climate variability <i>RA5 overview</i> <i>Summer temperature and drought co-variability across Europe since 850 CE</i> <i>Last Interglacial temperature variability in northern Fennoscandia – insights from subfossil chironomids</i> <i>Holocene development of subarctic permafrost peatlands in Finnmark, northern Norway</i> <i>3D seismic data acquired for oil and gas exploration used to interpret environmental change over Quaternary timescales</i>	Qiong Zhang Malin Kylander Fredrik Charpentier Ljungqvist Anna Pliik Britta Sannel Benedict Reinardy
14.30–15.30	Collaborative projects with the Human Science Academic Areas	Nina Kirchner

	<i>Governing the climate-energy nexus: institutional complexity, legitimacy and effectiveness</i>	Naghmeh Nasiritousi
	<i>The Environmental State</i>	Andreas Duit
	<i>Media and Transnational Climate Justice: Indigenous Activism and Climate Politics</i>	Anna Roosvall
	<i>Deep Time – Deep Waters - Thinking through millennial Sea Level Change</i>	Arvid Bring & Christina Fredengren
15.30–	PICO Poster presentations followed by Poster competition <i>Refreshments for purchase and Bolin Centre give-aways</i>	Alasdair Skelton

Thursday, November 23

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08.45–09.45	RA4 Biogeochemical cycles and climate <i>RA4 achievements and outlook</i> <i>Cryoturbation and its interaction with the carbon cycle</i> <i>Modeling climate warming-induced hydrate dissociation and seafloor methane gas escape</i> <i>Non-Redfieldian dynamics explain pCO₂ drawdown in the Gulf of Bothnia</i>	Christian Beer Volker Brüchert Juri Palmtag Christian Stranne Filippa Franser
09.45–10.00	Bolin Database	Rezwan Mohammad & Anders Moberg
10.00–10.30	Fika with database helpdesk, mentoring and modelling coordinators and poster preview	
10.30–11.30	ESAG External Science Advisory Group of the Bolin Centre <i>Amplified warming over the Third Pole (TP) and its impact on the TP environment</i> <i>Atmospheric dynamics of tide-locked exoplanets</i> <i>The role of forests in the climate system</i> <i>Impacts of climate change on wild species</i> <i>Abrupt climate changes of the past: What came first, sea ice or temperature change?</i> <i>Ocean carbon uptake as the earth entered the Last Ice Age</i> <i>Mountain shape effects on metapopulation range dynamics under climate change</i>	Nina Kirchner Deliang Cheng Ray Pierrehumbert Anders Lindroth Camille Parmesan Eystein Jansen Karen Kohfeld Andrea Rinaldo
11.30–12.30	RA2 Clouds, aerosols, turbulence and climate <i>How much is actually a percentage change in snow albedo due to light absorbing impurities and is it relevant for climate?</i> <i>How do temperature inversions control aerosol vertical distribution in the Arctic?</i> <i>Improving the representation of vertical velocity in climate models</i> <i>Quantifying the influence of organic surfactants on cloud micro-physics using a compressed film interfacial mechanism</i>	Matthew Salter & Frida Bender Johan Ström Abhay Devasthale Anna Fitch Samuel Lowe
12.30–13.30	Lunch with sandwiches	
13.30–14.30	RA1 Oceans-atmosphere dynamics and climate <i>RA1 introduction</i> <i>How do mountain ranges influence atmospheric flow?</i> <i>Weather Extremes in the North Atlantic Region</i> <i>Novel acoustics techniques to study staircase-like structures of temperature and salinity in the Arctic Ocean</i>	Agatha de Boer Johan Nilsson Kerstin Hartung Gabriele Messori Christian Stranne
14.30–15.30	RA3 Hydrosphere, cryosphere and climate <i>C3S European Water and Global services on climate change impact, and recent model inter-comparison studies</i> <i>Hydrological transport forecasting</i> <i>Repeated advance and retreat of the East Antarctic Ice Sheet during the early Pliocene warm period</i>	Arvid Bring & Anne Soerense Christiana Photiadou Sofie Soltani Benedict Reinardy
15.30–15.45	Monitoring in Stordalen and the Carbon cycle	Magnus Augner, Polarforskningssekretariatet
15.45	Closing remarks <i>Presentation of Poster competition winners</i>	Alasdair Skelton & Nina Kirchner
16.00	Refreshments <i>and opening of Bolin Centre Photo Exhibition</i>	
17.00	Dinner followed by pub and Ceilidh with live music	

Bolin Centre for Climate Research

A collaboration between Stockholm University, KTH and the Swedish Meteorological and Hydrological Institute
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