



Welcome to the 10th Bolin Days!

We are proud to welcome you to the 10th Bolin Days with four cross-disciplinary sessions and invited seminars by the MERGE collaboration and the House of Science. This year the thematic sessions are Arctic Climate, Impacts of extreme weather events & climate change, Climate & environmental change and Climate & biota. The poster sessions are a nice way to form new interesting collaborations and there will be a poster competition for PhD students. The Bolin Centre Database team will be present as well as our modelling coordinators, the Climate Research School, the mentoring scheme organisers, the coordinator for the Bolin Centre Climate Arena and the Bolin Centre booth with give-aways. We also warmly welcome you to participate in the final dinner followed by a ceilidh with live music.

Wednesday, November 21

Nordenskiöld room and foyer, Geoscience building, Stockholm University

09.00–10.00	Opening of the 10th Bolin Days	<i>Nina Kirchner</i>
	Opening Ceremony	<i>Nina Kirchner</i>
	Bert Bolin and the early history of the Bolin Centre	<i>Henning Rodhe</i>
	Bolin Centre Database	<i>Anders Moberg</i>
	Modelling coordination	<i>Anna Lewinschal</i>
	Climate Research School	<i>HC Hansson</i>
	Mentoring programme	<i>Agatha de Boer</i>
	The Bolin Centre Climate Arena	<i>Elisabeth Däcker</i>
10.00–10.30	Fika Poster viewing, booths for the Bolin Centre, database, modelling and mentoring programme	
10.30–12.30	Arctic climate	<i>Frida Bender & Torben Königk</i>
	Arctic warming in EC-Earth Pliocene simulations	<i>Qiong Zhang</i>
	Possible reasons behind the interannual to interdecadal variability of Arctic sea ice	<i>Pasha Karami</i>
	Dynamics of the North Atlantic – Arctic Ocean connection observed with satellite altimetry	<i>Sara Broomé</i>
	Arctic freshwater exports in coupled global models	<i>Ramon Fuentes Franco</i>
	How important are marine aerosols for Arctic mixed-phase clouds?	<i>Luisa Ickes</i>
	How can an advanced turbulence parametrization improve the description of the atmospheric boundary layer?	<i>Velibor Zeli</i>
	The fluctuating world of a tundra predator guild: Bottom-up constraints can overrule top-down effects in winter	<i>Marianne Stoessel</i>
	Constraining Arctic CH4 Source Strengths with Ambient Atmospheric Measurements	<i>Patrick Crill</i>
12.30–13.30	Lunch with sandwiches Poster viewing, booths for the Bolin Centre, database, modelling and mentoring programme	
13.30–15.30	Impacts of extreme weather events & climate change	<i>Arvid Bring & Regina Lindborg</i>
	Global climate change and extremes – A general view	<i>Erik Kjellström</i>
	Euro-Atlantic storminess since 1850 and under 1.5°C vs 2°C warming scenarios	<i>Frederik Schenk</i>
	Temporal and spatial scaling impacts on extreme precipitation	<i>Peter Berg</i>
	Global warming changes the difficulty of synoptic weather forecasting	<i>Sebastian Scher</i>
	Identifying atmospheric circulation and climate impacts on vegetation in eastern Africa	<i>Ian Brown</i>
	Monitoring of forest fire and investigation of post-fire impacts	<i>Malin Norderman</i>
	Effects from climate warming, increasing weather variability and land use change on reindeer husbandry in Swedish Sápmi	<i>Ninis Rosqvist</i>
15.30–17.30	PICO Poster Presentations & poster competition	<i>Alasdair Skelton</i>
	Refreshments for purchase and Bolin Centre give-aways	





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Thursday, November 22

Nordenskiöld room and foyer, Geoscience building, Stockholm University

09.00–09.15	Coffee & tea	
09.15–09.30	Invited presentation: The House of Science	<i>Charlotte Flodin</i>
09.30–11.30	Climate & environmental change	<i>Gustaf Hugelius & Malin Kylander</i>
	Grasslands coming up	<i>Sara Cousins</i>
	Drowning a carbon-rich continent under the tropical Sun: A 18,000 year hydroclimate story from the East Indies with global connections	<i>Rienk Smittenberg</i>
	Cascading regime shifts within and across scales	<i>Juan Rocha</i>
	Northern hemisphere soil carbon stocks from the last glacial maximum to the pre-industrial	<i>Amelie Lindgren</i>
	Carbon use efficiency from organisms to ecosystems – A cross-disciplinary synthesis	<i>Stefano Manzoni</i>
	Siberian rivers reveal patterns of carbon release from thawing permafrost	<i>Birgit Wild</i>
11.30–12.30	Lunch with sandwiches	
	Poster viewing, booths for the Bolin Centre, database, modelling and mentoring programme	
12.30–13.30	Invited seminar: MERGE (Modelling the Regional and Global Earth system)	
	Development, modelling and evaluation of climate-vegetation processes in Earth System Models	<i>Paul Miller</i>
	Earth System Model evaluation and development with paleoclimate data	<i>Jesper Sjolte</i>
	Past Land-use and land-cover change for palaeoclimate modelling and advanced statistics for model evaluation, simulation set-up and analysis	<i>Marie-José Gaillard</i>
	Vegetation, emissions and particles	<i>David Simpson</i>
	Conclusions	<i>Paul Miller</i>
13.30–14.00	Fika	
	Poster viewing, booths for the Bolin Centre, database, modelling and mentoring programme	
14.30–16.00	Climate & biota	<i>Helen Coxall & Johan Ehrlén</i>
	The biogeography of thermal tolerance in plants	<i>Aelys Huphreys</i>
	Vegetation changes during an Early Jurassic global warming event	<i>Sam Slater</i>
	Climates and biomes in the Miocene of Anatolia: Insights from the plant fossil record	<i>Thomas Denk</i>
	Vegetation feedbacks modulate projections of future climate change	<i>Minchao Wu</i>
	Long-term shifts in breeding time and performance of Swedish birds in relation to environmental change	<i>Marta Lomas Vega</i>
	Responses of 31 major global insect pests to ongoing climate change	<i>Philipp Lehmann</i>
	Climate and fishing steer ecosystem regeneration	<i>Thorsten Blenckner</i>
16.00–16.15	Closing remarks	<i>Alasdair Skelton</i>
	Presentation of poster competition winners	
16.15–17.00	Refreshments	
17.00–23.00	Dinner followed by pub and ceilidh with live music	

