



Q-Arctic Ringberg workshop, 26-29 March 2025

Time and place

- Where: [Schloss Ringberg](#), Bavaria, Germany (ca. 1 hour by train from Munich)
- When: March 26-29, 2025
 - Arrival: March 26, after 3 pm
 - 4 half-day blocks on March 27-28
 - Departure: March 29 after breakfast, 9-10 am

Workshop focus: Impact of wet-dry heterogeneity on biogeochemistry and climate in the Arctic: closing the scaling gap

Workshop goal: a draft of perspective paper

Agenda (all times in CET)

Wednesday, March 26

- 15:00 Arrival and registration
- 15:30 – 16:00 *Coffee break, Garden room*
- 16:00 Welcome, logistics, agenda
- 16:15 Introductory talks (25 min) by Q-Arctic PIs
- Mathias Göckede, Martin Heimann (MPI-BGC): Scaling challenges in in-situ observations and atmospheric modelling
- Annett Bartsch (b.geos): Wet-dry gradients across scales as seen from space
- Victor Brovkin (MPI-M): Wet-dry Arctic in Earth System modelling: from meter to 100 km scales
- Martin Heimann (MPI-BGC): meeting objectives
- 18:00 General discussion
- 18:30 – 20:00 *Dinner*
- Get together*

Thursday, March 27

- 08:00 – 09:00 *Breakfast*
- 09:00 ERC introduction: Andreas Keil
- 09:15 Panel on Observations with keynotes (10+5 min): Jennifer Watts, Simon Zwieback, Guido Grosse
- 10:30 – 11:00 *Coffee break*

Thursday, March 27

- 11:00 Panel on Observations cont.: Anna Virkkala, Lars Kutzbach, Hanna Lee, Claire Treat, David Bastviken. Moderators: Mathias Goeckede, Annett Bartsch
- 12:30 Group photo, weather permitting
- 12:40 – 14:00 *Lunch break*
- 14:00 Panel on Modelling with keynotes (10+5 min): Sebastian Westermann, Jan Nitzbon, Eleanor Burke, In-Won Kim
Moderators: Victor Brovkin, Martin Heimann
- 15:30 – 16:30 *Coffee break with POSTER SESSION*
- 16:30 Breakout groups I: Synthesis, feedbacks, paleo, emerging topics
- 18:00 *Castle tour*
- 18:45 – 20:00 *Dinner*
- 20:00 After dinner discussion: Disruption in cooperation with Russian researchers
Get together

Friday, March 28

- 08:00 – 09:00 *Breakfast*
- 09:00 Networking talks (15-20 min): Ted Schuur (PCN), Helene Genet (Permafrost Pathways), Peter Thornton (NGEE Arctic), Gustaf Hugelius (RECCAP-2), Oliver Sonnentag (Canadian network)
Chairs: Thomas Kleinen, Mark Schlutow
- 10:30 – 11:00 *Coffee break*
- 11:00 Breakout groups II (site-level, remote sensing, ESMs): Perspective paper
- 12:30 – 14:30 *Lunch break*
- 14:30 Flexible time available for individual discussions and leisure, sports, etc.
- 15:30 – 16:00 *Coffee Break*
- 16:30 Reports and discussion of breakout group sessions
Discussion on next steps including perspective paper: How to maximize interaction between observational and modelling groups over the coming project years?
Feedback from Q-ARCTIC Advisory Board (David McGuire, Timo Vesala)
Closing remarks
- 18:30 *Dinner*
Get together

Saturday, March 29

- 08:00 – 09:00 *Breakfast*
- Departure



Participants of Q-ARCTIC workshop, Ringberg castle

N	PARTICIPANT	AFFILIATION
1	Bartsch, Annett	b.geos
2	Basso, Luana	MPI-BGC
3	Bastviken, David	Linköping University
4	Bergstedt, Helena	b.geos
5	Bolek, Abdullah	MPI-BGC
6	Brovkin, Victor	MPIM
7	Burke, Eleanor	UK Met Office
8	de Vrese, Philipp	MPIM
9	Emmerichs, Tamara	MPIM
10	Eves, Nicholas	MPI-BGC
11	Gayler, Veronika	MPIM
12	Genet, Helene	Woodwell Climate Research Center
13	Georgievski, Goran	MPIM
14	Göckede, Mathias	MPI-BGC
15	Grosse, Guido	Alfred Wegener Institute
16	Heimann, Martin	MPI-BGC
17	Hugelius, Gustaf	Stockholm University
18	Ivanova, Kseniia	MPI-BGC
19	Kairullin, Rustam	b.geos
20	Kanakkassery, Sanjid	MPI-BGC
21	Keil, Andreas	European Research Council
22	Kim, In-Won	IBS Center for Climate Physics
23	Kleinen, Thomas	MPIM
24	Krishnan, Sree Ram	b.geos
25	Kutzbach, Lars	University of Hamburg
26	Lee, Hanna	Norwegian University of Science and Technology
27	Liu, Zhijun	MPIM
28	McGuire, David	University of Alaska, Fairbanks
29	Nitzbon, Jan	Alfred Wegener Institute
30	Reinken, Constanze	MPIM
31	Schlutow, Mark	MPI-BGC
32	Schuur, Ted	Northern Arizona University
33	Sonnentag, Oliver	Universite de Montreal
34	Stacke, Tobias	MPIM
35	Thorton, Peter	Oak Ridge National Lab, tbc

36	Treat, Claire	Aarhus University
37	Triches, Nathalie	MPI-BGC
38	Vesala, Timo	University of Helsinki
39	Virkkala, Anna	Woodwell Climate Research Center
40	Vogt, Judith	MPI-BGC
41	von Baeckmann, Clemens	b.geos
42	Watts, Jennifer	Woodwell Climate Research Center
43	Westermann, Sebastian	University of Oslo
44	Widhalm, Barbara	b.geos
45	Yazbeck, Theresia	MPI-BGC
46	Zwieback, Simon	University of Alaska, Fairbanks