

EMERALD OPEN SCIENCE DAY



17 October 2023, Klimahuset, Oslo

Agenda

11:00 Arrival and coffee/tea

11:10 Opening

Brit Lisa Sjelkvåle (Director NHM)

11:20 Science summary

Lena M. Tallaksen & Frode Stordal (EMERALD leaders, UiO)

12:00 Keynote lecture - Ellen Dorrepaal (Umeå University)

Through polar day and polar night: Year-round climate feedbacks from Arctic ecosystems

12:45 Lunch (vegetarian)

13:30 Keynote lecture - Ryan Bright (NIBIO)

Carbon in Norwegian forests: Historical developments, recent trends, and future outlooks

14:15 Early Career Researcher session

Norbert Pirk (UiO), *The EMERALD flux quiz: Guessing ecosystem exchanges of carbon and water*

Ane Victoria Vollness & Astrid Vatne (UiO), *Drought effects on dwarf birch leaves*

Eirik Aasmo Finne (NINA & UiO), *The climatic effects of lichens*

Inge Althuizen (NORCE), *Keeping it cool - How mosses regulate soil microclimate*

Hui Tang (FMI & UiO), *Implementing moss in Earth System Models*

Eva Lieungh (NHM), *Computer simulation of a field experiment in the Norwegian mountains*

Lasse Keetz (UiO), *Machine learning for plant-environment interactions on the Emerald planet*

15:30 Break (fruits & coffee/tea)

15:45 Group discussions - Jarle W. Bjerke (NINA)

- *How to move from single discipline to multidisciplinary studies?*
- *Which processes are missing in terms of plant-climate interactions for improving models?*

16:45 Gathering and concluding

17:15 End of the day

mn.uio.no/emerald/events/emerald-open-science-day.html

Open-top chambers warm up some of the alpine vegetation plots in Låvisdalen, Vestland, 2019 (photo credit: Eva Lieungh)

Terrestrial ecosystem-climate interactions of our EMERALD planet



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