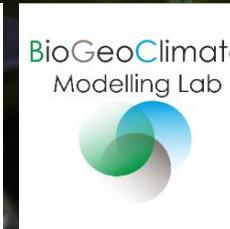
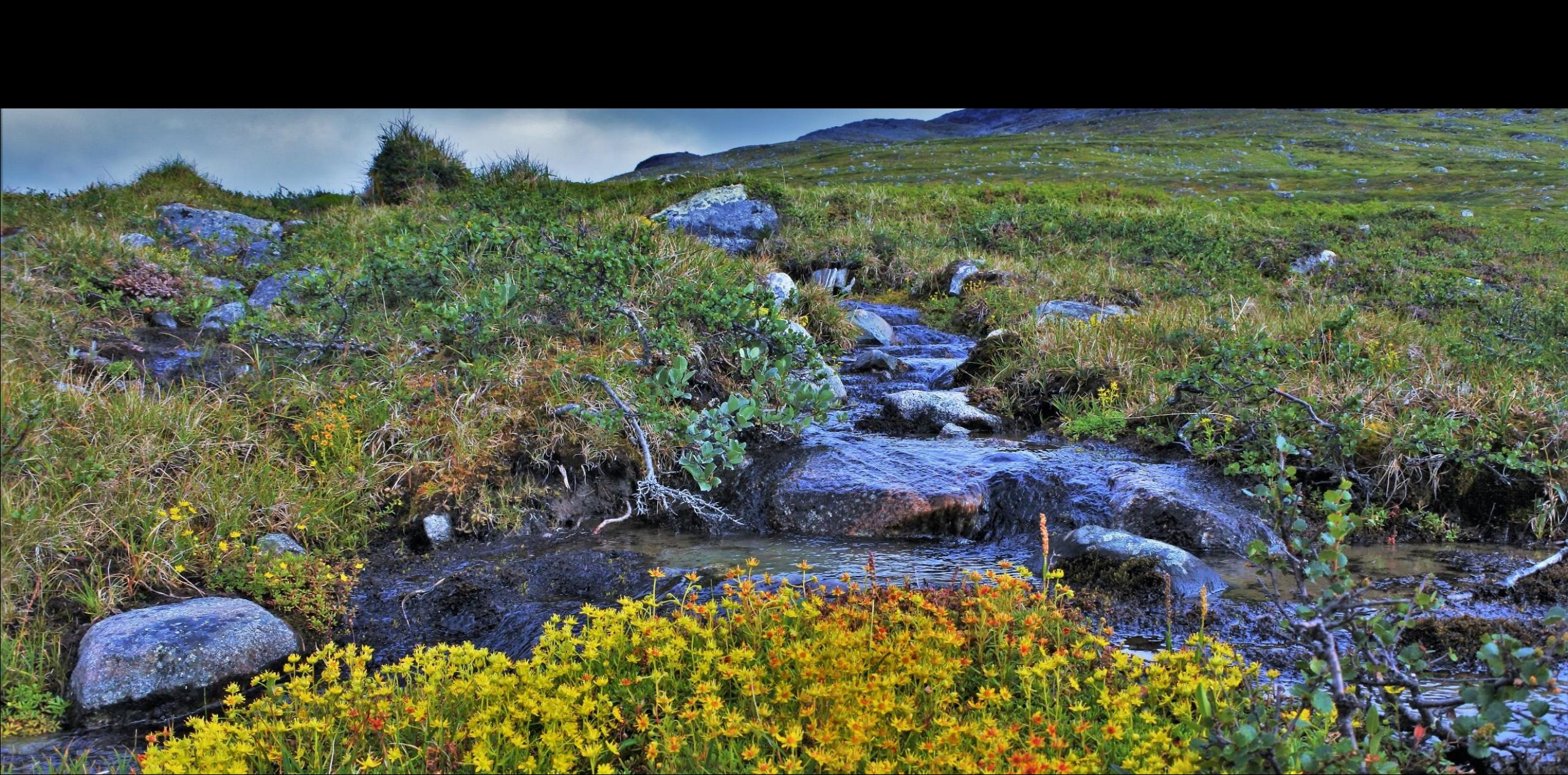


Water as a resource, stress and disturbance shaping tundra vegetation

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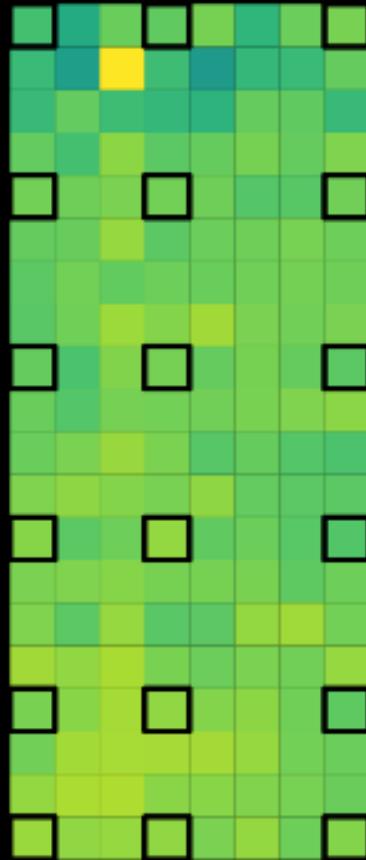


Soil moisture controls tundra vegetation.

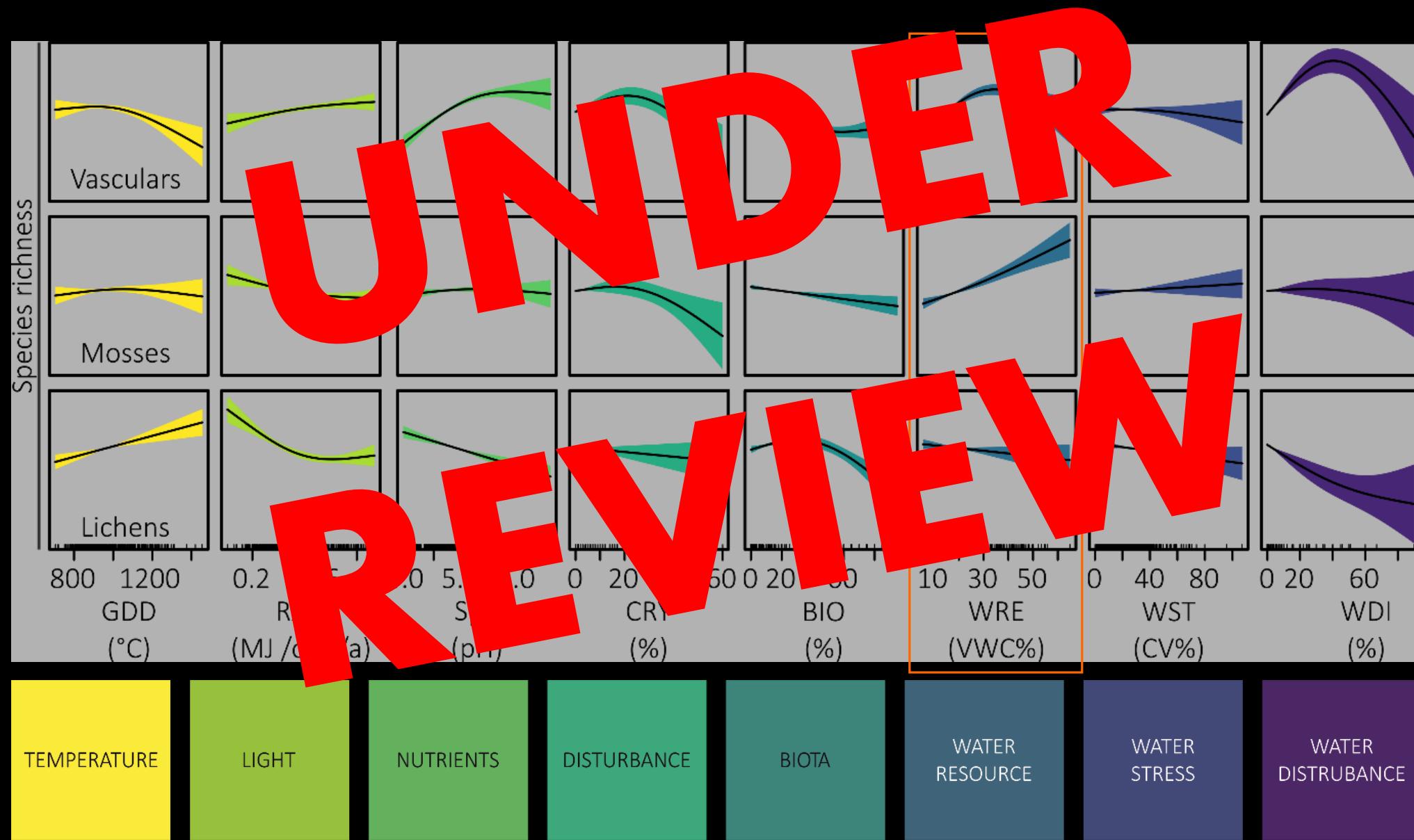
We need more research on moisture conditions,
and their impacts on Arctic biodiversity.



Fine-scale data for understanding fine-scale patterns

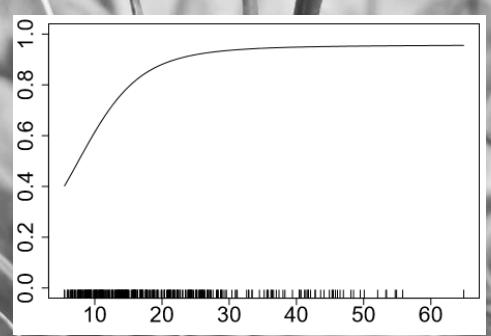




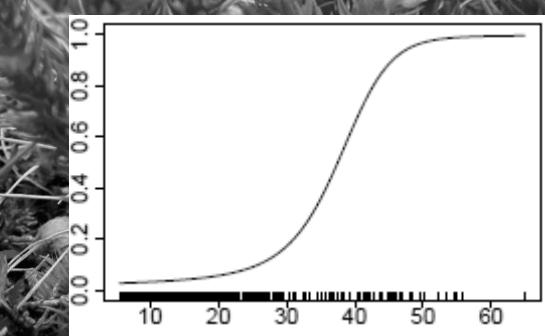




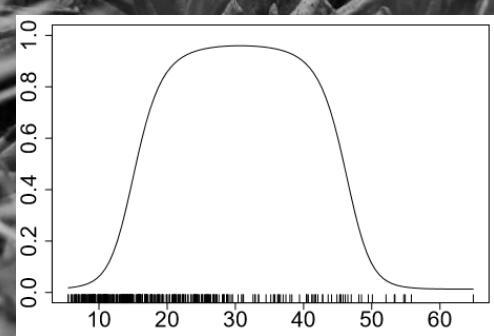
Next step: Plant-moisture relationships across the Arctic?



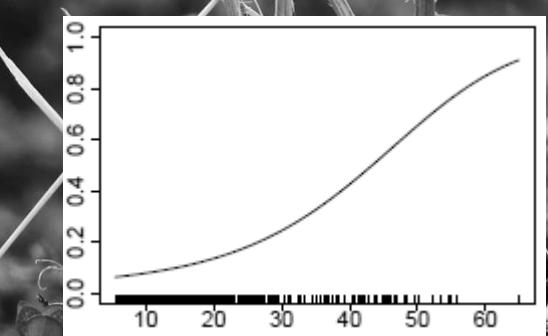
Bistorta vivipara



Huperzia selago



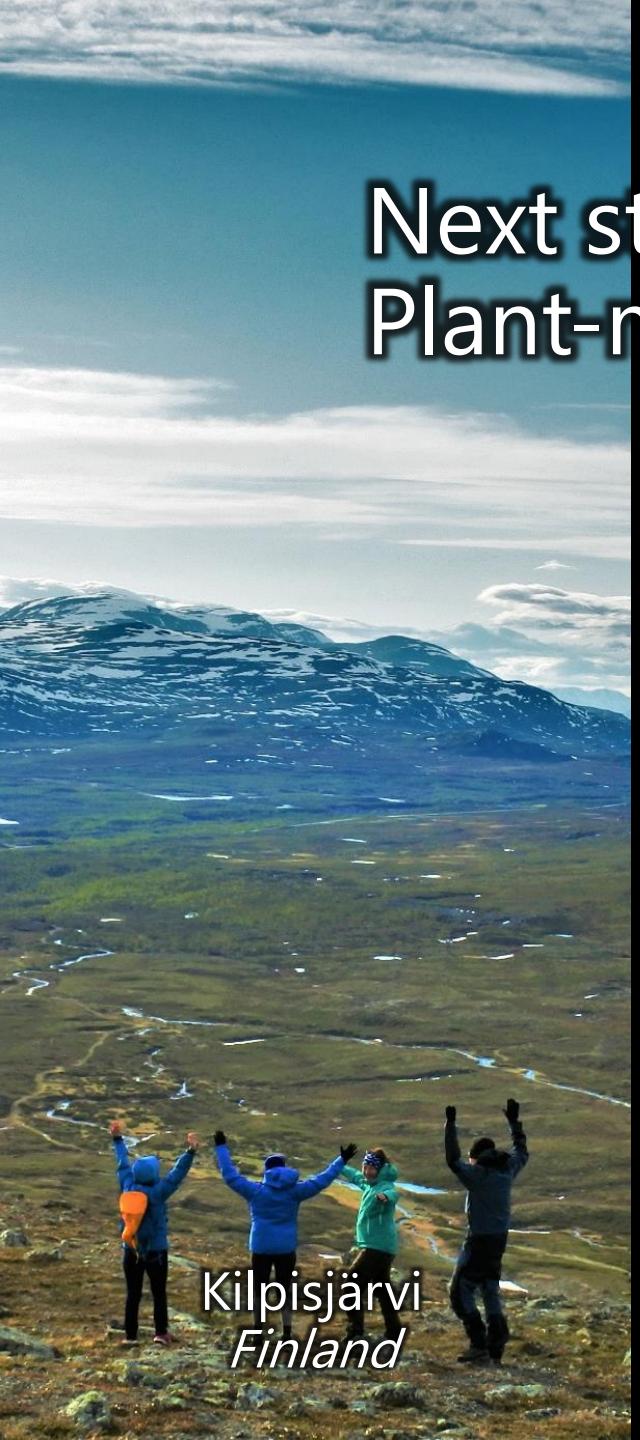
Dryas octopetala



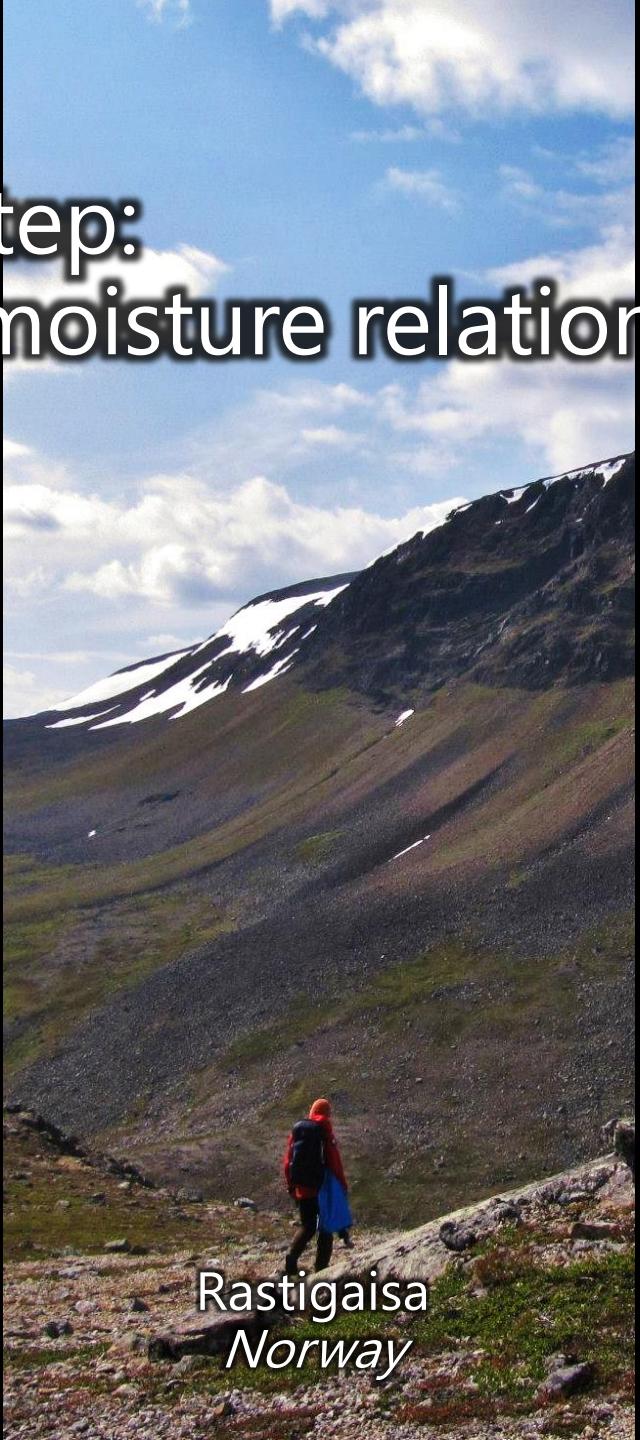
Luzula confusa



Next step: Plant-moisture relationships across the Arctic?



Kilpisjärvi
Finland



Rastigaisa
Norway



Kangerlussuaq
Greenland



Longyearbyen
Svalbard

THANK YOU

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@juliakemppinen

Check out the poster!

Water as a resource, stress and disturbance shaping tundra vegetation

We investigated the significance of different water aspects for Fennoscandian tundra vegetation patterns, using solely in situ measurements.

Water as a resource exceeded the importance of temperature for fine-scale species distribution of three taxonomical groups. We found different responses between and also within the groups.

While controlling all other important environmental variables, we demonstrated that water is a significant multifaceted driver of tundra vegetation patterns.

