

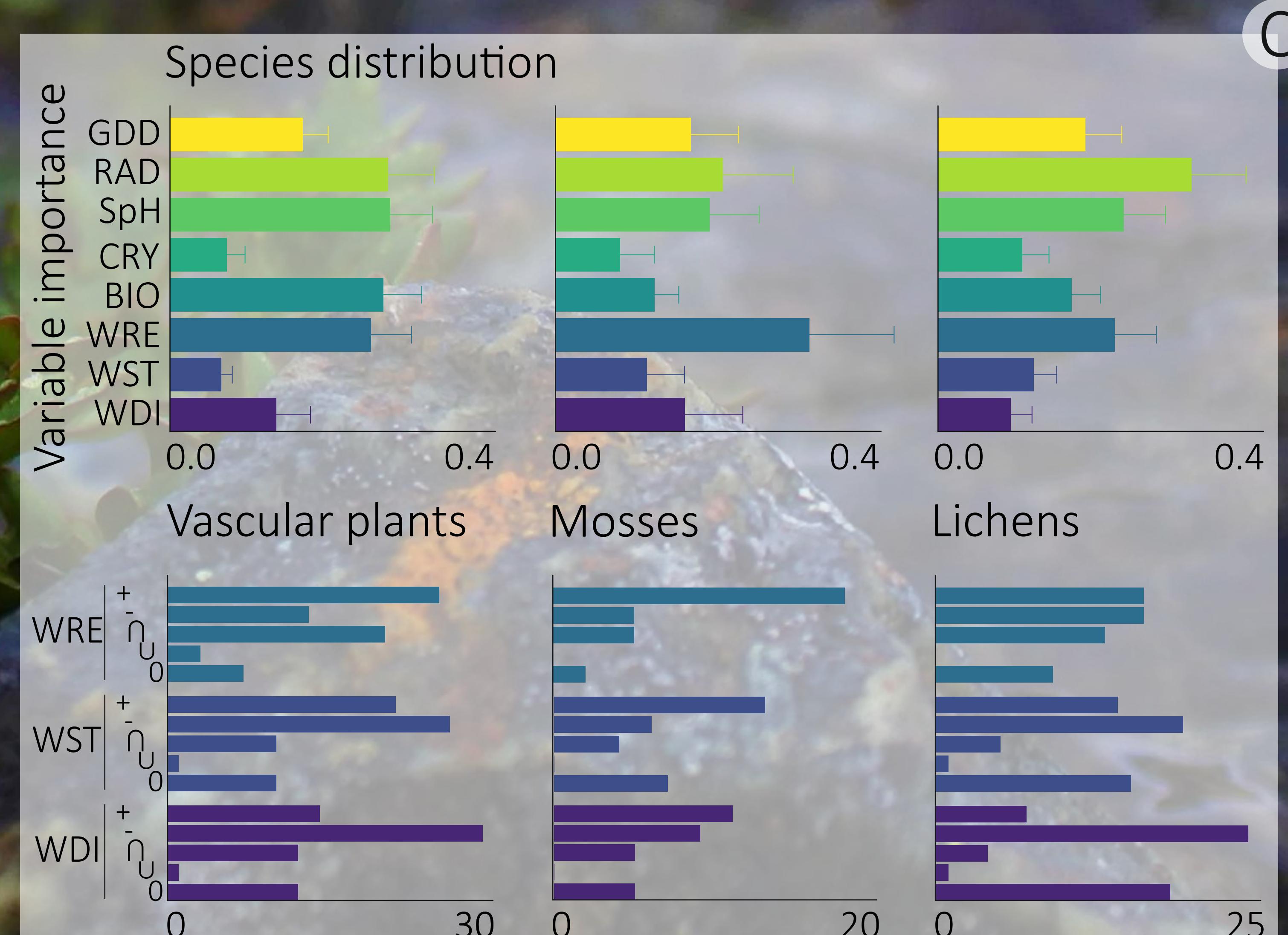
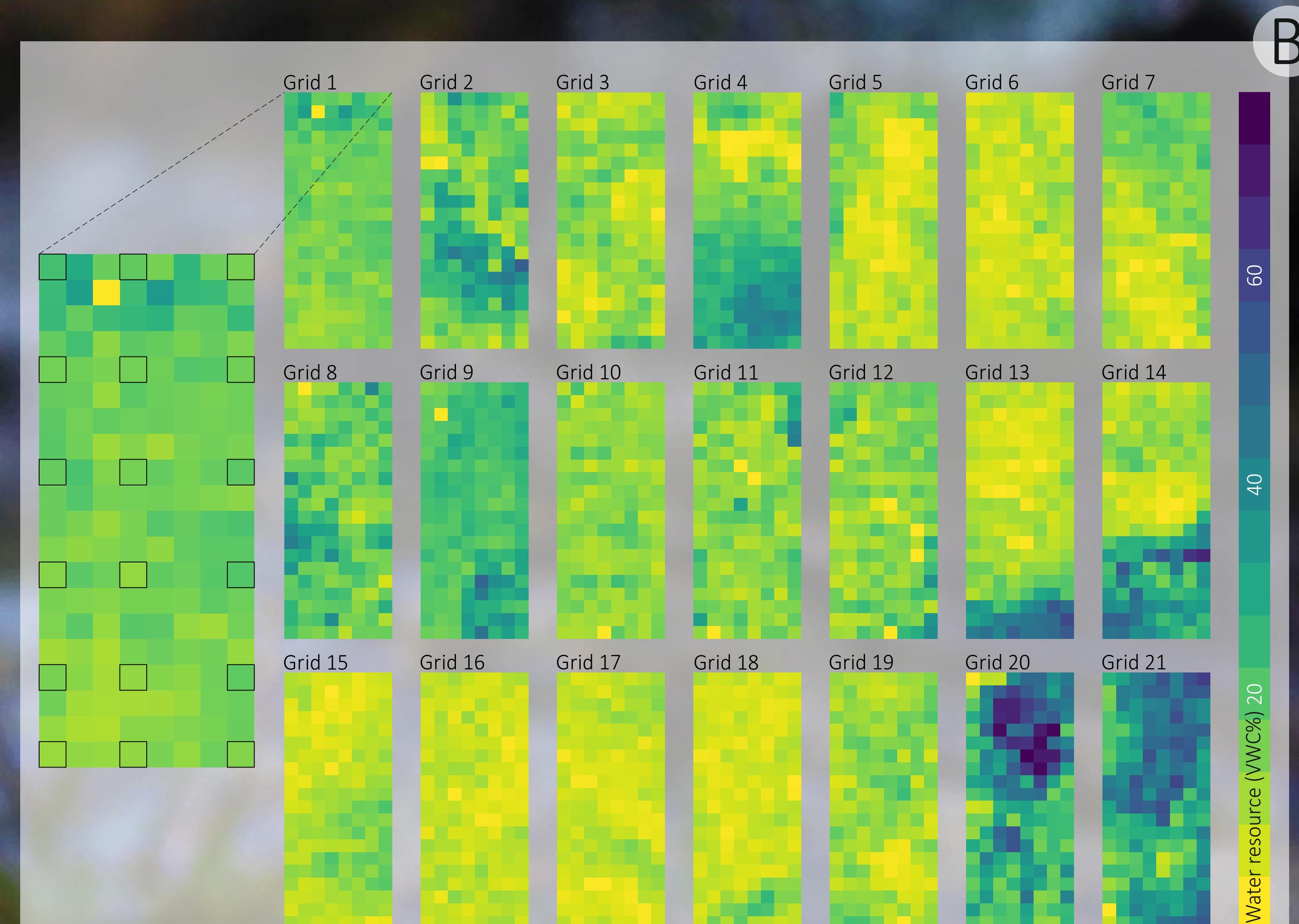
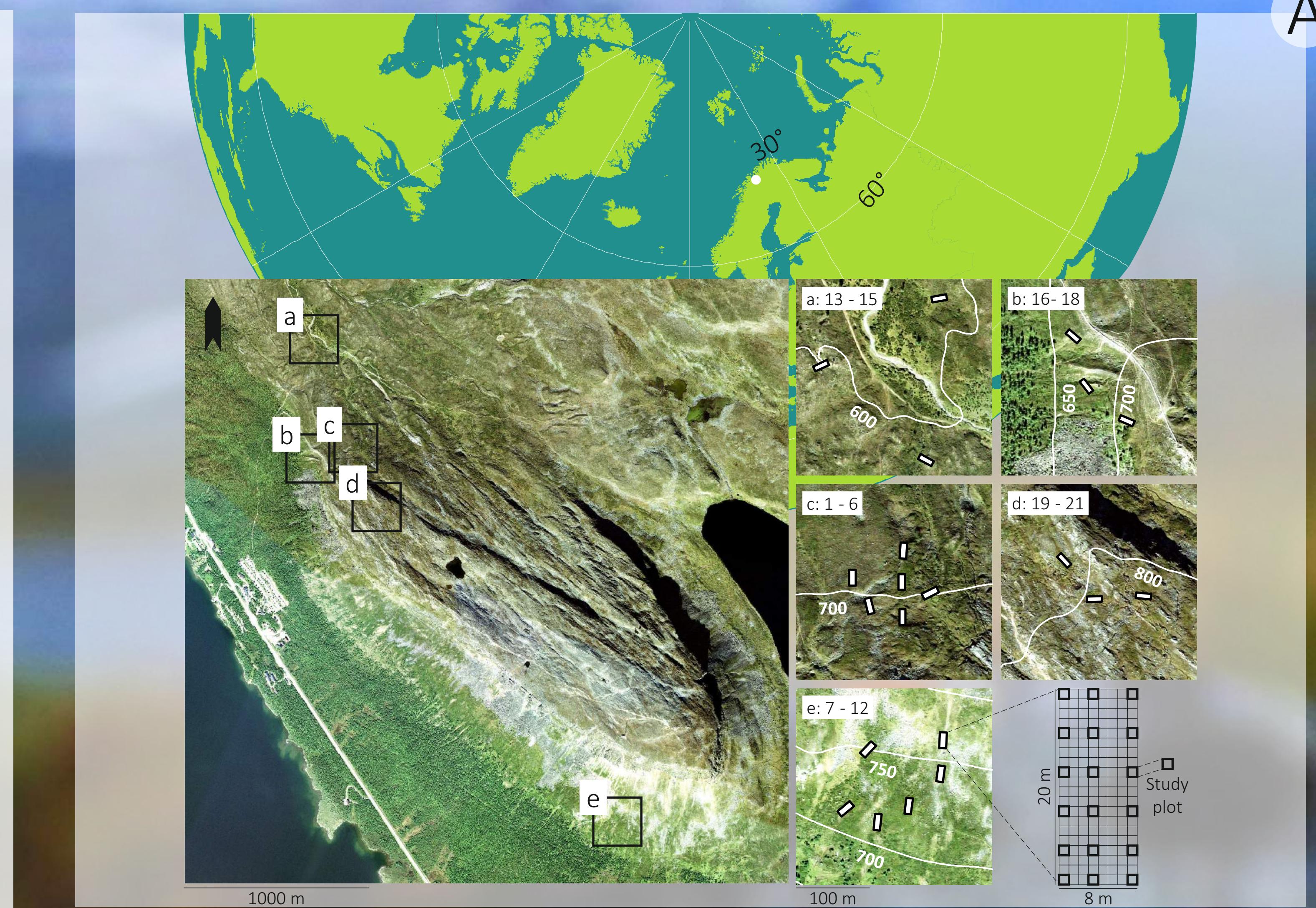
Water as a resource, stress and disturbance shaping tundra vegetation

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We investigated the significance of different water aspects for Fennoscandian tundra vegetation patterns_A using solely in situ measurements_B.

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

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



Kemppinen, J., P. Niittynen, H. Riihimäki, and M. Luoto (2017). Modelling soil moisture in a high-latitude landscape using LiDAR and soil data. *Earth Surface Processes and Landforms*.

le Roux, P. C., J. Aalto, and M. Luoto (2013). Soil moisture's underestimated role in climate change impact modelling in low-energy systems. *Global Change Biology*.

