

Wednesday, 8th Jan 2025, 16:15 h, BIOM 1060

Alice Claßen

Animal Ecology Group
University of Bremen, Germany



Insect communities under global change: lessons from the mountains

Mountains harbor a substantial part of the world's biodiversity, including many cold-adapted species. Climate change is generally believed to threaten this diversity. However, there are also theoretical reasons to expect that – especially for ectothermic organisms like insects – warming in mountain ecosystems could even increase species richness and abundances by raising rates of metabolism, activity, and reproduction. By using elevational gradients across the world, the Animal Ecology group investigates, among other things, how temperature alters alpine insect communities in space and time. We examine traits and biotic interactions that facilitate or limit species' responses to climate change and seek to better understand the ecological consequences of community shifts. Join us to explore the fascinating world of alpine insect communities and gain deeper insights into the ecological impacts of climate change on mountain ecosystems.

