

Storyline "Bending the curve of biodiversity loss under climate change"

Wednesday 1 November 2023 13:30 (1h 15m)

1. Introduction to the storyline (Tiffany Knight)
2. Climate change-ready matching of seed transfer zones to genetic differentiation of grassland plant species (Johannes Höfner)
3. Low land-use intensity increases resistance of grasslands to projected future climate and inter-annual climate variability (Lotte Korell et al.)
4. Vegetation development in periglacial environments Ingolf Kühn
5. Effects of landscape structure and land-use intensity on the gut microbiome of a generalist predator, *Poecilus cupreus* (Christophe Dominik, Cassidy Slivensky, Jonna Heuscheule, Hafeez Ul Haq, Oliver Schweiger, Tesfaye Wubet)
6. Synthesis of landscape management effects on biodiversity (or: What do Hecate and Yggdrasil have in common?) (Elina Takola)
7. Can extensive grassland management pay off for farmers during droughts? (Julia Kunkel)
8. Rapid adaptation? A narrative of plant community history and diversity (Francesca De Giorgi)
9. Analysis of biodiversity trends using data from the eLTER research infrastructure (Martin Musche)
10. The future of pollinator monitoring (Oliver Schweiger, Mark Frenzel, Christophe Dominik)
11. Towards a Deep Learning based individual tree monitoring system: a case study in Halle (Saale) (Taimur Khan and Jörg Brünecke)
12. Detecting microbial diversity changes through metabarcoding (Stephanie Jurburg)
13. Co-developing the Tailored Empowerment Programs (TEPs) for coastal communities to support their transformation processes toward sustainability and resilience (Diana Dushkova)
14. Converting biodiversity knowledge into actionable knowledge: A glimpse into the new Biodiversity Knowledge governance in Europe (Marie Vandewalle)

Primary authors: KNIGHT, Tiffany; KÜHN, Ingolf; HARPOLE, Stan; SCHWEIGER, Oliver

Session Classification: Breakout Session