



# Schedule

## Sunday 08.09.2024

Time	Event
08:00–19:00	<b>Upper Isar: 1-day excursion with Thomas Wagner</b> <i>Location: Freising</i>
09:00–16:00	<b>Vegetation and management of calcareous grasslands in the Munich gravel plain - 1-day excursion with Johannes Kollmann</b> <i>Location: Freisinger Tagblatt</i>

## Monday 09.09.2024

Time	Event
08:30–18:00	<b>Registration</b> <i>Location: ZHG, foyer</i>
08:30–20:20	<b>Recharge, Reflect, Revive pt 1</b> <i>Location: ZHG, S3</i>
08:30–20:20	<b>Recharge, Reflect, Revive pt 2</b> <i>Location: Forestry, S4</i>
13:00–13:45	<b>Opening ceremony</b> <i>Location: ZHG, HS14</i>
14:00–15:30	<b>PE1: Plant responses to the environment across scales</b> <i>Location: ZHG, HS15</i> PE1-01 - Dryland Mechanisms - do temperate ecosystems copy deserts when adjusting to a warming and drying climate? Speaker: José Grünzweig PE1-02 - Plant functional composition buffers productivity loss in semi-arid rangelands under drought and high grazing intensity Speaker: Lisa-Maricia Schwarz PE1-03 - Drought resistance and seed dormancy drive population temporal stability Speaker: Johanne Gresse PE1-04 - Relevance of osmotic adjustment during drought in mature temperate trees Speaker: Tobias Zhorzel PE1-05 - Effects of climate, stand structure, soil characteristics and topography on leaf unfolding in Switzerland Speaker: Isabella Ostovary

Time	Event
14:00–15:30	<p><b>FE1: Reconciling forest conservation, forest protection and forest management in the climate crisis</b></p> <p><i>Location: ZHG, HS16</i></p> <p>FE1-01 - Forests in the climate crisis – are we protecting forests from themselves? Speaker: Henrik Hartmann</p> <p>FE1-02 - Bark beetles in mountain forests: Challenges and opportunities Speaker: Concetta Lisella</p> <p>FE1-03 - Drought resilience and legacy of a mixed beech-spruce forest – results from a 10-year throughfall exclusion experiment Speaker: Thorsten Grams</p> <p>FE1-04 - Investigating novel disturbance interactions among 33 tree species with simulated late-frost and drought events Speaker: Vincent Wilkens</p> <p>FE1-05 - European beech in times of climate change – Insights on tree growth, wood anatomy and leaf morphology from a provenance study along a north-south gradient in Germany Speaker: Juliane Stolz</p>
14:00–15:30	<p><b>NC1: Perspectives on biodiversity monitoring are diverse</b></p> <p><i>Location: Forestry, HS21</i></p> <p>NC1-01 - Results from the first five years of Biodiversity Monitoring South Tyrol (Province of Bolzano/Bozen, Italy) Speaker: Andreas Hilpold</p> <p>NC1-02 - Benefits of an advanced sampling design for national vegetation monitoring of protected biotopes Speaker: Klaus Ecker</p> <p>NC1-03 - Human-Computer interaction - reflections on the impact of design and development of a smartphone-app for citizen science and nature experience Speaker: Ulrike Sturm</p> <p>NC1-04 - Measuring aquatic environments: upscaling the resolution of a biotic index Speaker: Rosetta Blackman</p> <p>NC1-05 - Rapid Biodiversity Assessment survey for efficient forest biodiversity evaluation in central European forests Speaker: Owen Bradley</p> <p>NC1-06 - Systematic changes in diversity and composition of tree-related microhabitats across climate and human impact gradients on a tropical mountain Speaker: Giovanni Bianco</p>

Time	Event
14:00–15:30	<p><b>NC2: Trends in grassland conservation and restoration</b></p> <p><i>Location: Forestry, HS22</i></p> <p>NC2-01 - Is trait-based restoration able to achieve European habitat types? Speaker: Markus Bauer</p> <p>NC2-02 - Spatial patterns of taxonomic, phylogenetic, and functional diversity in plant communities across grassland habitat types Speaker: Selina Baldauf</p> <p>NC2-03 - Estimating grassland restoration success across environmental conditions using beta diversity and metanetworks Speaker: Frank Jauker</p> <p>NC2-04 - Evaluating the impact of grassland management on wild bee communities along an elevational gradient Speaker: Lisa Obwegs</p> <p>NC2-05 - Does the protection of Swiss dry grasslands of national importance work? Speaker: Steffen Boch</p>
14:00–15:30	<p><b>CM1: Bringing together theory and data to understand ecological communities</b></p> <p><i>Location: Forestry, HS23</i></p> <p>CM1-01 - Do we have the right data? Which ecosystem properties matter? Speaker: Yuval Zelnik</p> <p>CM1-02 - Ecological resilience: Inconsistencies, challenges, and new empirical approaches Speaker: Martina Sánchez-Pinillos</p> <p>CM1-03 - Disentangling metacommunity assembly mechanisms from eDNA using joint species distribution models Speaker: Maximilian Pichler</p> <p>CM1-04 - The multiple advantages of bridging theory and data in the study of interaction networks Speaker: Marco Mello</p> <p>CM1-05 - Dynamics of a plant-pollinator network: Extending the Bianconi-Barabási model Speaker: William J. Castillo</p> <p>CM1-06 - Species diversity, food web structure and the temporal stability of ecosystems: bridging the gap between theory and data? Speaker: Elisa Thebault</p>

Time	Event
14:00–15:30	<p><b>SL1: Illuminating the black box of soil food webs across ecosystems, scales, and approaches</b></p> <p><i>Location: Forestry, HS24</i></p> <p>SL1-01 - Sustainable land use strengthens microbial and herbivore controls in soil food webs in current and future climates Speaker: Marie Sünemann</p> <p>SL1-02 - Decreasing trophic transfer efficiency in soil food webs along an altitudinal gradient Speaker: Chen Haozhen</p> <p>SL1-03 - Energetic and functional development of soil micro- and macro-food webs along a secondary succession Speaker: Ajuan Zhang</p> <p>SL1-04 - Soil food web states across successional stages, climates, and land use types Speaker: Anton Potapov</p> <p>SL1-05 - Niche dimensions in soil oribatid mite community assembly under native and introduced tree species Speaker: Johanna Noske</p> <p>SL1-06 - Broader trophic niches of soil animals under land use and in warmer climate Speaker: Zheng Zhou</p>
15:30–16:00	<p><b>Coffee break</b></p> <p><i>Location: Foyers</i></p>
16:00–17:30	<p><b>PE1: Plant responses to the environment across scales</b></p> <p><i>Location: ZHG, HS15</i></p> <p>PE1-06 - Smoothing out the misconceptions of the role of bark roughness in vascular epiphyte attachment Speaker: Jessica Tay</p> <p>PE1-07 - Arctic tundra ecosystems under fire – potential trajectories for stable state shifts Speaker: Ramona Heim</p> <p>PE1-08 - Quantifying the changes along the shrub encroachment gradient in sub-alpine grasslands Speaker: Lucia Laorden</p> <p>PE1-09 - The role of functional plant traits in grassland recovery from drought Speaker: Marie-Louise Schärer</p> <p>PE1-010 - Bryophyte functional traits are highly responsive to small-scale environmental changes in temperate forest ecosystems Speaker: Till Deilmann</p> <p>PE1-011 - Physiological response of a mixed forest stand to stress conditions assessed by a novel cuvette system Speaker: Clara Stock</p>

Time	Event
16:00–17:30	<p><b>FE1: Reconciling forest conservation, forest protection and forest management in the climate crisis</b></p> <p><i>Location: ZHG, HS16</i></p> <p>FE1-06 - Tree species classification for monitoring ecological succession and assessing forest resilience Speaker: Sebastian Preidl</p> <p>FE1-07 - Intraspecific variation in phenology of <i>Fagus sylvatica</i> - causes and implications for forestry Speaker: Ilka Beil</p> <p>FE1-08 - Exploring Barriers to Silvicultural Adaptation for Resilient Forests: Insights from a European Survey Speaker: Julius Willig</p> <p>FE1-09 - Temperature buffering capacity of deadwood Speaker: Orsi Decker</p> <p>FE1-010 - Influence of forest structure on above- and belowground microclimate Speaker: Barbara Brunschweiler</p> <p>FE1-011 - Forest temperature buffering in thinned stands and forest gaps Speaker: Kerstin Pierick</p>
16:00–17:30	<p><b>NC1: Perspectives on biodiversity monitoring are diverse</b></p> <p><i>Location: Forestry, HS21</i></p> <p>NC1-07 - High throughput digital processing of bulk insect samples for biodiversity monitoring Speaker: Harald Meimberg</p> <p>NC1-08 - Wild bee monitoring in agricultural landscapes – A conceptual approach incorporating DNA analyses in biodiversity monitoring Speaker: Wiebke Sichel</p> <p>NC1-09 - Butterfly monitoring – survey methods and their applications Speaker: Friederike Barkmann</p> <p>NC1-010 - Evaluation of non-destructive lysis for insect DNA metabarcoding Speaker: Lisa Wolany</p> <p>NC1-011 - CRISPR-Dx assays detect more elusive and endangered amphibians in environmental DNA samples compared to traditional monitoring Speaker: Flurin Leugger</p> <p>NC1-012 - Metatranscriptomics of soil eRNA: a test study analysing soil animal communities along two elevation gradients in the Alps Speaker: Ina Schaefer</p>

Time	Event
16:00–17:30	<p><b>NC2: Trends in grassland conservation and restoration</b>  <i>Location: Forestry, HS22</i></p> <p>NC2-06 - Nitrogen limitation promotes the competitive strength of invasive plants in temperate grasslands  Speaker: Leonardo H. Teixeira</p> <p>NC2-07 - Alien plant invasions in a temperate grassland biome: a case study from northern Kazakhstan  Speaker: Tatyana Vakhlamova</p> <p>NC2-08 - Grazing effects on insect communities and insect-plant networks in mountain pastures  Speaker: Bernd Panassiti</p> <p>NC2-09 - Productivity, moisture, competition - Habitat conditions affecting population viability of the wet grassland orchid <i>Dactylorhiza majalis</i> under conservation-oriented management  Speaker: Laura Josephin Hartmann</p> <p>NC2-010 - Sowing functional grasslands: Effects of forb- and legume-rich seed mixtures on biomass yield and fodder quality – a mesocosm experiment  Speaker: Kathrin Möhrle</p> <p>NC2-011 - Bringing back bumblebees: Modest diversification in intensively used grasslands promotes pollinators  Speaker: Regine Albers</p>
16:00–17:30	<p><b>CM1: Bringing together theory and data to understand ecological communities</b>  <i>Location: Forestry, HS23</i></p> <p>CM1-07 - Ecological coexistence, in theory and practice  Speaker: Adam Clark</p> <p>CM1-08 - An empirical validation test of modern coexistence theory to forecast time-toextinction under rising temperatures  Speaker: Chris Terry</p> <p>CM1-09 - Combined land-use and climate change: Using a metabolic community model to simulate drought effects on species coexistence in fragmented landscapes  Speaker: Leonna Szangolies</p> <p>CM1-010 - Revealing species coexistence mechanisms through the lens of causations among environmental hypervolume niches, functional traits, and phylogeny  Speaker: Guanzhen Liu</p> <p>CM1-011 - Foreseeing forest futures: ARIMA vs. Neural Networks vs. TBATS in tree growth predictions  Speaker: Carlos Landivar</p> <p>CM1-012 - Mechanistic insights into animal movement and its ecological implications  Speaker: Myriam Hirt</p>

Time	Event
16:00–17:30	<p><b>SL1: Illuminating the black box of soil food webs across ecosystems, scales, and approaches</b></p> <p><i>Location: Forestry, HS24</i></p> <p>SL1-07 - Introducing the Circum-Arctic Present and Future Ecology of the Soil Food Web group Speaker: Sylvain Monteux</p> <p>SL1-08 - High litter and root- derived resources quality enhance plant energy channelling by earthworms Speaker: Linlin Zhong</p> <p>SL1-09 - Macro-decomposers can rapidly transfer litter carbon and nitrogen into soil mineral-associated organic matter: direct evidence from a novel microcosm experiment of tropical forest Speaker: Niu Guoxiang</p> <p>SL1-010 - Widespread occurrence of plant cell wall degrading enzymes (PCWDEs) in Oribatida: Revisiting their role in soil food webs Speaker: Bastian Heimburger</p> <p>SL1-011 - Root–nematode economics space drives the carbon cycle Speaker: Chongzhe Zhang</p> <p>Wrap-up discussion</p>
18:00–18:45	<p><b>Keynote: Harnessing agricultural landscapes for biodiversity and ecosystem services: key evidence and knowledge gaps</b></p> <p><i>Location: ZHG, HS14</i></p> <p>Speaker: Emily Poppenborg Martin</p>
19:00–22:00	<p><b>Welcome mixer</b></p> <p>Location: ZHG, foyer</p>

## Tuesday 10.09.2024

Time	Event
08:00–08:45	<p><b>Keynote: Persistent problems in plant functional ecology: Why can't we predict traits from climate?</b></p> <p><i>Location: ZHG, HS14</i></p> <p>Speaker: Leander Anderegg</p>
08:00–21:00	<p><b>Recharge, Reflect, Revive pt 1</b></p> <p><i>Location: ZHG, S3</i></p>
08:00–21:00	<p><b>Recharge, Reflect, Revive pt 2</b></p> <p><i>Location: Forestry, S4</i></p>



Time	Event
09:00–10:30	<p><b>NC3: Conserving and restoring biotic interactions</b></p> <p><b>Location: ZHG, HS14</b></p> <p>NC3-01- Restoration success through socio-ecological interactions Speaker: Elena Velado-Alonso</p> <p>NC3-02 - Recovery dynamics of the functional diversity of plant-frugivore interactions after deforestation Speaker: Anna Rebello Landim</p> <p>NC3-03 - Disrupted connections: Rainforest fragmentation affects the robustness of interaction networks between frugivorous birds and fruit-bearing trees Speaker: David Becker</p> <p>NC3-04 - Forest composition shapes seed-rodent interactions in a gradient of broadleaves and conifers Speaker: Pedro Uchoa Mittelman</p> <p>NC3-05 - Restoration models based on diversity and facilitation that benefit nature and people Speaker: Gislene Ganade</p> <p>NC3-06 - Seasonally changing interactions of species traits of termites and trees promote complementarity in coarse wood decomposition Speaker: Chao Guo</p>
09:00–10:30	<p><b>PE1: Plant responses to the environment across scales</b></p> <p><b>Location: ZHG, HS15</b></p> <p>PE1-012 - Hydraulic constraints at low root temperatures as cause for the cold limit of tree growth Speaker: Günter Hoch</p> <p>PE1-013 - Do functional composition gradients mimicking land-use intensification affect grassland performance under and after increasingly severe drought? Speaker: Yvonne Künzi</p> <p>PE1-014 - Natural root grafting: A vector for hydraulic redistribution? Speaker: Marie-Christin Wimmer</p> <p>PE1-015 - From root to shoot: understanding plant hydraulic regulation across different soil moistures Speaker: Samantha Spinoso Sosa</p> <p>PE1-016 - Modelling dry-season response of two tree species in a tropical dry forest in Costa Rica Speaker: Gregor Rickert</p> <p>PE1-017 - Does climate constrain woody species distribution according to their phloem anatomical properties? Speaker: Yan Wang</p>

Time	Event
09:00–10:30	<p><b>FE1: Reconciling forest conservation, forest protection and forest management in the climate crisis</b></p> <p><i>Location: ZHG, HS16</i></p> <p>FE1-012 - Assessing the impact of multi-year droughts on German forests in the context of increased tree mortality Speaker: Rico Fischer</p> <p>FE1-013 - Dynamic forest models and decision support tools for silvicultural decisionmaking in Swiss mountain protection forests Speaker: Gina Marano</p> <p>FE1-014 - How to adapt forests? – Exploring the role of leaf trait diversity for long-term forest biomass under new climate normals Speaker: Maik Billing</p> <p>FE1-015 - Inventory and tree-ring based estimates from young tropical trees of five species to identify climate extremes Speaker: Viktoria Dietrich</p> <p>FE1-016 - Forest recovery patterns in managed and unmanaged forests in Central Europe Speaker: Kirsten Krüger</p> <p>FE1-017 - LabForest - Consequences of disturbance management and silvicultural treatments on ecosystem services Speaker: Wolfgang Obermeier</p>
09:00–10:30	<p><b>EE1: Pollinators and pollination services under global change</b></p> <p><i>Location: Forestry, HS21</i></p> <p>EE1-01 - Pollinator dependency and regional climate affect crop yield development under climate change Speaker: Paula Prucker</p> <p>EE1-02 - Trait-based responses of wild pollinators in fragmented calcareous grasslands to habitat-associated and agricultural matrix variables Speaker: Carolin Biegerl</p> <p>EE1-03 - Small-scale, mixed food production systems and semi-natural grasslands support complementary pollinator populations Speaker: Maxime Eeraerts</p> <p>EE1-04 - Buzzing in the city: How garden features affect bee functional diversity along an urban gradient Speaker: Astrid Neumann</p> <p>EE1-05 - How plants and bees are exposed and affected by something tiny: micro plastics Speaker: Kenneth Kuba</p> <p>Wrap-up discussion</p>

Time	Event
09:00–10:30	<p><b>UE1: Urban biodiversity: how to assess the social-ecological value of urban environments</b></p> <p><i>Location: Forestry, HS22</i></p> <p>UE1-01 - Urban biodiversity: how to assess the social-ecological value of urban environments Speaker: Marco Moretti</p> <p>UE1-02 - Urbanization affects freshwater macroinvertebrate richness in tropical reservoirs Speaker: Christina Belle</p> <p>UE1-03 - Quantifying functional contrasts between native and commercial plant species in Swiss urban green spaces Speaker: Vivien Grothe</p> <p>UE1-04 - Hierarchical filtering of plant traits in urban ecosystems Speaker: Louise Dädlow</p> <p>UE1-05 - The seasonal influence of vegetation structure on the cooling potential of urban greenspaces in Munich, Germany Speaker: Sophie Arzberger</p> <p>UE1-06 - Plant communities and their management practices in park green space affect pollinator diversity – A case study of Chongqing city, China Speaker: Fengping Yang</p>
09:00–10:30	<p><b>SC1: Fostering collaboration between ecological sciences and the arts: opportunities and challenges</b></p> <p><i>Location: Forestry, HS23</i></p> <p>SC1-01 - Connecting theater performance to science: on the creation of the play 'The Circus of the Trees - about the Future Role of Trees in the City' Speaker: Somidh Saha</p> <p>SC1-02 - City soundscapes as an artistic way to understand links between people and nature</p> <p>SC1-03 - Ways of knowing - Potentials of a transdisciplinary integration of knowledge through art-science collaborations Speaker: Florian D. Schneider</p> <p>SC1-04 - iDiv Artist Residency 2023 - 'From the perspective of the safety net' Speaker: Thore Engel</p> <p>SC1-05 - Szabadonbalaton: Methodology of a science–art collaboration around Lake Balaton, Hungary Speaker: Diana Berecz</p> <p>SC1-06 - On facilitating the imagination of regenerative futures Speaker: Oliver Szasz</p>

Time	Event
09:00–10:30	<p><b>ME1: Macroecology: investigating large-scale biodiversity patterns under global change</b>  <b>Location: Forestry, HS24</b></p> <p>ME1-01 - Modelling the impact of forest loss and fragmentation on bird species richness at large spatial and temporal scales  Speaker: Stav Gelber</p> <p>ME1-02 - Exploring the drivers of ecological specialization in the geography  Speaker: Axel Arango</p> <p>ME1-03 - Rethinking functional equivalence in island bird communities  Speaker: Ana Maria Bastidas Urrutia</p> <p>ME1-04 - Species traits and community structure can drive scale-dependent propagation of effects in ecosystems  Speaker: David Garcia-Callejas</p> <p>ME1-05 - The importance of biotic interactions among Fynbos Proteaceae for ecological niches, geographical ranges and species' vulnerability to global change  Speaker: Joern Pagel</p> <p>ME1-06 - Land use effects on freshwater biodiversity: synthesis based on a new global database  Speaker: Minghua Shen</p>
10:30–11:00	<p><b>Coffee break</b>  <b>Location: Foyers</b></p>
11:00–12:30	<p><b>NC3: Conserving and restoring biotic interactions</b>  <b>Location: ZHG, HS14</b></p> <p>NC3-07 - Impact of increased honeybee densities and landscape conservation measures on flower-visitor networks  Speaker: Kathrin Czechofsky</p> <p>NC3-08 - Effects of local and landscape restoration on plant-pollinator networks in calcareous grasslands across Europe  Speaker: Ira Hannappel</p> <p>NC3-09 - Comparison of plant and insect diversity on different flowering field mixtures and densities  Speaker: Franziska Mück</p> <p>NC3-010 - Small scale spatial repartition of plant and pollinator communities shape the structure of plant-pollinator networks in semi-natural grasslands  Speaker: Demetra Rakosy</p> <p>NC3-011 - Balancing biodiversity and yield: Innovative agricultural practices in the Swiss lowlands  Speaker: Maura Ganz</p> <p>Poster pitches</p>

Time	Event
11:00–12:30	<p><b>PE1: Plant responses to the environment across scales</b></p> <p><b>Location: ZHG, HS15</b></p> <p>PE1-O18 -The effects of elevated CO<sub>2</sub> and phosphorus limitation shaping fine root functioning in Central Amazon forests Speaker: Laynara Lugli</p> <p>PE1-O19 - Nutrient dynamics and potential limitations of <i>Quercus petraea</i> L. under experimental canopy nitrogen deposition Speaker: Daniel Minikaev</p> <p>PE1-O20 - The underground economy: Reassessing the ecological impact of trade imbalances in common mycorrhizal networks Speaker: Anupa Alice Mathew</p> <p>PE1-O21 - How grassland plant-soil relationships shift under moderate and extreme climate change Speaker: Tyson Terry</p> <p>PE1-O22 - Exploring the influence of floral chemodiversity on alpine plant-microbepollinator dynamics Speaker: Maximilian Hanusch</p> <p>Poster pitches</p>
11:00–12:30	<p><b>FE1: Reconciling forest conservation, forest protection and forest management in the climate crisis</b></p> <p><b>Location: ZHG, HS16</b></p> <p>FE1-O18 - Forest protection measures in Germany only marginally rely on plant protection products Speaker: Nadine Bräsicke</p> <p>FE1-O19 - Regeneration gap in climate-resilient tree species Speaker: Leonie Gass</p> <p>FE1-O20 - Exploring climate change effects on Alpine forests: a Swiss case study from the Eco2Adapt project Speaker: Maximiliano Costa</p> <p>FE1-O21 - Modelling of natural forest development under climate change in Europe Speaker: Samuel Zweifel</p> <p>FE1-O22 - Assessing climate change adaptation gaps in Germany's forests using simulation of future potential natural vegetation Speaker: Jonas Kerber</p> <p>Poster pitches</p>

Time	Event
11:00–12:30	<p><b>EE1: Pollinators and pollination services under global change</b></p> <p><i>Location: Forestry, HS21</i></p> <p>EE1-06 - Nutrient-driven foraging behavior: Pollen collection patterns among alpine bumble bee species Speaker: Marielle Schleifer</p> <p>EE1-07 - How can we better understand the impact of global change on bees using mechanistic simulation models and monitoring campaigns? Speaker: Jürgen Groeneveld</p> <p>EE1-08 - Using complex networks to understand species persistence in empirical plantpollinator communities Speaker: Virginia Domínguez-García</p> <p>EE1-09 - How resilient are tropical pollinators? Flower-visiting insect communities show diverse recovery trajectories in a neotropical rainforest biodiversity hotspot Speaker: Ugo Mendes Diniz</p> <p>Wrap-up discussion Poster pitches</p>
11:00–12:30	<p><b>UE1: Urban biodiversity: how to assess the social-ecological value of urban environments</b></p> <p><i>Location: Forestry, HS22</i></p> <p>UE1-07 - Night shift in the city: Temporal and spatial patterns of wildlife in relation to residents' perceptions Speaker: Simon Sebastian Moesch</p> <p>UE1-08 - Multi-functional solar parks promoting biodiversity – an ecological-industrial perspective Speaker: Nora Adam</p> <p>UE1-09 - Opportunities for nature conservation in heavily utilised recreational areas in the city – the success story of the former Tempelhof airfield, Berlin Speaker: Moritz von der Lippe</p> <p>UE1-010 - NDVI and green volume as proxies for urban bird diversity Speaker: Andrew Fairbairn</p> <p>UE1-011 - Rethinking urban co-habitats through the lens of a novel agnostic four-level classification Speaker: Gabriele Oneto</p> <p>Poster pitches</p>

Time	Event
11:00–12:30	<p><b>SC2: Biodiversity and citizen science</b></p> <p><i>Location: Forestry, HS23</i></p> <p>SC2-01 - Counting butterflies - Are old-fashioned ways of recording data obsolete? Speaker: Elisabeth Kühn</p> <p>SC2-02 - 'Nature of the Year' organisms in Germany: Awarding does not make a flagship species Speaker: Hilke Hollens-Kuhr</p> <p>SC2-03 - Tracking the phenology of invasive hogweeds using citizen-science photo observations Speaker: Yves P. Klinger</p> <p>SC2-04 - Butterfly assembly along space and season: The role of body size and colour Speaker: Roberto Novella Fernandez</p> <p>SC2-05 - Emerging technologies in citizen science - potential for monitoring, data integration and visibility Speaker: Julie Sheard</p> <p>Poster pitches</p>
11:00–12:30	<p><b>ME1: Macroecology: investigating large-scale biodiversity patterns under global change</b></p> <p><i>Location: Forestry, HS24</i></p> <p>ME1-07 - On the role of microclimatic heterogeneity on biodiversity in mountain landscapes: Impacts on organisms of different strata Speaker: Sebastian König</p> <p>ME1-08 - Interactive effects of macro- and microclimate on species diversity Speaker: Lisa Geres</p> <p>ME1-09 - How rising temperatures might elevate rates of evolution Speaker: Susanne Fritz</p> <p>ME1-010 - Projected impacts of climate and land-use change on terrestrial mammal diversity Speaker: Alke Voskamp</p> <p>ME1-011 - Stop stubbornness: needs, opportunities and obstacles for integrative research in climate change ecology Speaker: Christian Hof</p> <p>Poster pitches</p>
12:30–14:00	<p><b>Lunch break</b></p> <p><i>Location: Foyers</i></p>
12:45–13:45	<p><b>Publishing tips and tricks from the other side</b></p> <p><i>Location: ZHG, HS15</i></p>
12:45–13:45	<p><b>A disco in city soundscapes</b></p> <p><i>Location: IGZW, rooftop</i></p>

Time	Event
13:15–13:45	<p><b>Yoga</b></p> <p><i>Location: Forestry, foyer</i></p>
14:00–15:30	<p><b>Poster sessions</b></p> <p><i>Location: Foyers</i></p>
15:45–16:30	<p><b>Award ceremony: Honour medal talk</b></p> <p><i>Location: ZHG, HS14</i></p> <p>Speaker: Christian Körner</p>
16:30–17:00	<p><b>Coffee break</b></p> <p><i>Location: Foyers</i></p>
17:00–18:30	<p><b>NC3: New perspectives on biodiversity conservation and restoration success through biotic interactions</b></p> <p><i>Location: ZHG, HS14</i></p> <p>NC3-O12 - Flower-bee vs pollen-bee metanetworks in fragmented landscapes Speaker: Felipe Librán Embid</p> <p>NC3-O13 - Fitness of four parasitoid Hymenoptera species is related to nest quality and the size of their 15 bee and wasp host species, but not to the wider environment Speaker: Riko Fardiansah</p> <p>NC3-O14 - Community dynamics modifies pollutant-driven species extinction risk: Simulation study with dynamic food web models Speaker: Rajaditya Das</p> <p>NC3-O15 – From the FFH directive to practical implementations Speaker: Juliane Vogt</p> <p>NC3-O16 - Towards climate-smart rewilding Speaker: Gavin Stark</p> <p>NC3-O17 - Rewilding indicators across Europe Speaker: Magali Weissgerber</p>
17:00–18:30	<p><b>PE1: Plant responses to the environment across scales</b></p> <p><i>Location: ZHG, HS15</i></p> <p>PE1-O23 - Causes and consequences of phenotypic variation in plants Speaker: Bernhard Schmid</p> <p>PE1-O24 - A developmental perspective on phenotypic plasticity of tree xylem traits: how life history trajectories in the species' morphospace define opportunities and risks for tree acclimatization Speaker: Martin Zwanzig</p> <p>PE1-O25 - Genetic response of a perennial grass to warm and wet environments interacts and is associated with trait means as well as plasticity Speaker: Zuzana Münzbergová</p> <p>PE1-O26 - The great trait debate Speaker: Emma Sayer</p>



Time	Event
17:00–18:30	<p><b>FE1: Reconciling forest conservation, forest protection and forest management in the climate crisis</b></p> <p><b>Location: ZHG, HS16</b></p> <p>FE1-023 - Identifying forest refugia under climate change in the central European mountains Speaker: Sarah Le Berre</p> <p>FE1-024 - Observations of forest functioning following climate extremes and bark beetle infestation at the Wetzstein long-term study site Speaker: Daniel Magnabosco Marra</p> <p>FE1-025 - Risks and benefits of managing non-native tree species in the European alpine space Speaker: Reneema Hazarika</p> <p>FE1-026 - Douglas fir (<i>Pseudotsuga menziesii</i>) in European forests: consequences for wood decomposers and wood decomposition Speaker: Nicolas Roth</p> <p>FE1-027 - Assessing multiple dimensions of resilience to compounded disturbances and related management drivers in a mixed forest landscape Speaker: Matteo Cerioni</p> <p>FE1-028 - Resilience and vulnerability: distinct concepts to address global change in forests Speaker: Judit Lecina-DiazPoster</p>
17:00–18:30	<p><b>EE2: Manipulation and control - the experimental foundation of global change research</b></p> <p><b>Location: Forestry, HS21</b></p> <p>EE2-01 - Artificial Light At Night drives diel shifts in soil respiration Speaker: Jes Hines</p> <p>EE2-02 - AgraSim: an experimental simulator for the comprehensive analysis of global change impacts on biogeochemical, hydrological and physiological processes in agricultural systems Speaker: Nicolas Brüggemann</p> <p>EE2-03 - Does hypobarica affect <i>Arabidopsis thaliana</i> along an elevational gradient? Effects of prolonged low air pressure exposition in Ecotron chambers Speaker: Silvia Lembo</p> <p>EE2-04 - Eco-physiological responses of alpine plant species to low air pressure Speaker: Bouchra el Omari</p> <p>EE2-05 - Putting the 'Change' into 'Climate' – current methods of simulating climate in modern controlled environment facilities and ecotrons Speaker: Bálint Jákl</p> <p>EE2-06 - How to optimize sampling effort in ecological experiments and observational studies Speaker: Andreas Schweiger</p>

Time	Event
17:00–18:30	<p><b>UE2: Collaborative insights: A transdisciplinary perspective on urban biodiversity projects and lessons learnt</b></p> <p><i>Location: Forestry, HS22</i></p> <p>UE2-01 - Designing and implementing evidence-based insect conservation interventions with and for city neighborhoods Speaker: David Schoo</p> <p>UE2-02 - Co-creation of pollinator conservation interventions: Experiences from working with urban community gardeners Speaker: Susan Karlebowski</p> <p>UE2-03 - 'GrüneLunge' (green lung) project in the city of Karlsruhe – map applications showing urban biodiversity Speaker: Ferdinand Betting</p> <p>UE2-04 – Bon appetit! Using citizen science and deep learning to study the foraging activity of ants Speaker: Julie Sheard</p> <p>UE2-05 - InsectMobil: Impacts of landscape on insect diversity and composition through the use of citizen science and DNA metabarcoding Speaker: Birte Peters</p> <p>UE2-06 - FLOW - Citizen science shows that Germany's small streams are in poor ecological status Speaker: Julia von Gönner</p>
17:00–18:30	<p><b>SC3: Bridging the gap between knowledge and action: applying biodiversity knowledge in society, policy and economy</b></p> <p><i>Location: Forestry, HS23</i></p> <p>SC3-01 - Is that normal? How to encourage farmers to stay calm when perennial wild flower strips go wild Speaker: Anne-Kathrin Schneider</p> <p>SC3-02 - Tackling biodiversity decline within the agricultural landscape – Development of future pathways based on an expert-based scenario analysis in Germany Speaker: Amibeth Thompson</p> <p>SC3-03 - From experience to action: the role of knowledge and nature-relatedness on pro-conservation behaviour intentions in adolescents and adults Speaker: Tanja Straka</p> <p>SC3-04 - Can closer-to-nature forest management help maintain biodiversity and ecosystem services in European forests? Speaker: Ana Stritih</p> <p>SC3-05 - Brazilian dry forests: from science to conservation actions Speaker: Carlos Roberto Fonseca</p> <p>SC3-06 - Implementing a bottom-up stepping stone program in Austria Speaker: Janine Oettel</p>

Time	Event
17:00–18:30	<p><b>ME1: Macroecology: investigating large-scale biodiversity patterns under global change</b>  <b>Location: Forestry, HS24</b></p> <p>ME1-O12 - Burrowing facilitated the distributional success of mammals and imposes contrasting responses to climatic stability  Speaker: Stefan Pinkert</p> <p>ME1-O13 - Phylogenetic diversity patterns and drivers of trees in mountains across the globe  Speaker: Maria Laura Tolmos</p> <p>ME1-O14 - Tracing the impact of global change on populations of marine gastropods: A phylogeographic perspective from the Macaronesian islands  Speaker: Frederik Feldmann</p> <p>ME1-O15 - Distributions, drivers, and trends of submerged macrophytes: Insights from lakes and rivers in Bavaria  Speaker: Anne Lewerentz</p> <p>ME1-O16 - Macroecology of host-parasite interactions: patterns and drivers of the variation of parasitism across latitudinal gradients  Speaker: Kawsar khan</p> <p>ME1-O17 - Species distribution modeling of freshwater invertebrates in the Guineo-Congolian region: A Predictive conservation approach  Speaker: Emmanuel Akindele</p>
18:45–19:45	<p><b>AK meetings</b>  <b>Location: div.</b></p>
20:00–20:20	<p><b>Award Ceremony: Best dissertation award</b>  Speaker: Vera Wersbeckmann</p>
20:20–20:40	<p><b>Award ceremony: GfÖ Award</b>  Speaker: Rachel R.Y. Oh</p>
20:45–21:30	<p><b>Public talk: Changing forest disturbance regimes – implications for sustainable land use</b>  <b>Location: ZHG, HS14</b>  Speaker: Rupert Seidl</p>

## Wednesday 11.09.2024

Time	Event
08:00–08:45	<p><b>GfÖ Award 2023: Pathways to climate-smart rural landscapes</b>  <b>Location: ZHG, HS14</b>  Speaker: Sandra Lavorel</p>
08:00–22:00	<p><b>Recharge, Reflect, Revive pt 1</b>  <b>Location: ZHG, S3</b></p>

Time	Event
08:00–22:00	<p><b>Recharge, Reflect, Revive pt 2</b></p> <p><i>Location: Forestry, S4</i></p>
09:00–10:30	<p><b>NC4: Emerging challenges in wildlife ecology and management in the Anthropocene</b></p> <p><i>Location: ZHG, HS14</i></p> <p>NC4-O1 - Feed on fire: Forage quality dynamics after wildfire in semi-natural grassland grazed by red deer Speaker: Friederike Riesch</p> <p>NC4-O2 - Estimating human and wildlife activities in a Bavarian multi-use forest ecosystem Speaker: Phil Garthen</p> <p>NC4-O3 - Mountain ungulates and humans - Experimental behavioural analyses of the reaction of male chamois (<i>Rupicapra rupicapra</i>) to hiker Speaker: Nicolas Cybulska</p> <p>NC4-O4 - Seasonal habitat selection by Alpine chamois (<i>Rupicapra rupicapra</i>) in the Bavarian Alps Speaker: Daniela Nagl</p> <p>NC4-O4 - Modelling seasonal space-use of multiple ungulate species in mountain forest ecosystems using camera traps Speaker: Hendrik Edelhoff</p> <p>Wrap-up discussion</p>
09:00–10:30	<p><b>PE2: Root traits across biomes - links between belowground traits, species diversity and ecological implications</b></p> <p><i>Location: ZHG, HS15</i></p> <p>PE2-O1 - Root traits across biomes - links between belowground traits, species diversity and ecological implications Speaker: Laynara Lugli</p> <p>PE2-O2 - Rhizosphere engineering: Mind the soil textures Speaker: Bahareh Hosseini</p> <p>PE2-O3 - Dynamics of fine root biomass and morphology of European beech (<i>Fagus sylvatica</i>) in sandy soils with different moisture regimes Speaker: Alexandra Koller</p> <p>PE2-O4 - Tree carbon allocation to root exudates in temperate biomes under varying environmental conditions Speaker: Benjamin Hafner</p> <p>PE2-O5 - Simulating ecosystem adaptation in response to a changing climate by capturing belowground plant functional traits in an eco-evolutionary vegetation model (Plant-FATE) Speaker: Florian Hofhansl</p> <p>PE2-O6 - Experimental warming effects on hyphal growth and depth distribution in a wet-tropical forest of Puerto Rico Speaker: Ana Caroline Miron Pereira</p>

Time	Event
09:00–10:30	<p><b>FE2: Silviculture beyond the climax phase: Adaptation strategies for a dynamic forest management in times of change</b></p> <p><i>Location: ZHG, HS16</i></p> <p>FE2-01 - Promoting diverse forest landscapes: How landscape structural complexity affects forest understorey vegetation Speaker: Pia Bradler</p> <p>FE2-02 - Impacts of forest management on the spatio-temporal variability of forest microclimates Speaker: Martin Ehbrecht</p> <p>FE2-03 - Restoration of coniferous monocultures towards mixed broad-leaved forests in Central Europe – Dynamics of stand structure, tree composition, and understorey vegetation Speaker: Alexander Seliger</p> <p>FE2-04 - Drought risk spreading through admixtures of Douglas fir and silver fir with European beech Speaker: Isabelle Lanzrein</p> <p>FE2-05 - Sustainable management of forests on poor soils and in increasingly drier and hotter climate Speaker: Frank Sterck</p> <p>FE2-06 - Safeguarding reforestation efforts on former spruce plantations: Exploring forest irrigation to mitigate drought stress Speaker: Leonie Hahn</p>
09:00–10:30	<p><b>EE3: Understanding and safeguarding wetland functioning and ecological networks</b></p> <p><i>Location: Forestry, HS21</i></p> <p>EE3-01 - The use of amino acid isotopes and fatty acids to track the utilization of blue, green and brown carbon by predators in riparian habitats Speaker: Bastiaan Drost</p> <p>EE3-02 - Contrasting drivers of occurrence and fertility in an endangered species of a dynamic riparian habitat Speaker: Sabine Fink</p> <p>EE3-03 - A day on the shore: the impact of recreation activities on composition, diversity and structure of lakeshore vegetation Speaker: Nora Meyer</p> <p>EE3-04 - Species-specific elevational niches at the salt marsh edge mediated by biotic interactions and site-specific characteristics Speaker: Boris Schröder-Esselbach</p> <p>EE3-05 - Reviving alpine wetlands in China: How ecological restoration boosts soil carbon stability Speaker: Hao Tang</p> <p>EE3-06 – Rice paddies can help amphibian populations in Swiss agricultural landscapes Speaker: Yvonne Fabian</p>

Time	Event
09:00–10:30	<p><b>UE3: Urban ecology meets urban planning - using ecological insight to increase peoplenature interactions</b></p> <p><i>Location: Forestry, HS22</i></p> <p>UE3-01 - What urban planners need from urban ecologists Speaker: Thomas Hauck</p> <p>UE3-02 - Planning cities for a nature positive future for people and biodiversity conservation Speaker: Assaf Shwartz</p> <p>UE3-03 - Ecological objectives for the built-up area of a city Speaker: Wolfgang Weisser</p> <p>UE3-04 - Assessing functional connectivity in 3-D and the importance of green roofs as stepping-stones in urban areas Speaker: Julia Schiller</p> <p>UE3-05 - Urban biogeography to enhance city ecosystems for people and nature Speaker: Joan Casanelles Abella</p> <p>Wrap-up discussion</p>
09:00–10:30	<p><b>CM2: The future of bio- and eco-acoustic monitoring across scales and ecosystems: Methods, challenges and applications</b></p> <p><i>Location: Forestry, HS23</i></p> <p>CM2-01 Exploring the impact of forest management on diurnal soundscape dynamics: insights from a forest experiment Speaker: Dominik Arend</p> <p>CM2-02 - Large-scale acoustic monitoring and automated identification of bird species in an Alpine environment Speaker: Jarek Scanferla</p> <p>CM2-03 - Exploring the application of bioacoustics for monitoring the biodiversity, health, and functional diversity of wetland environments Speaker: Ian Thornhill</p> <p>CM2-04 - Recent technological developments allow for passive acoustic monitoring of Orthoptera (grasshoppers and crickets) in research and conservation across a broad range of temporal and spatial scales. Speaker: David Bennett</p> <p>CM2-05 - Landscape-level monitoring of farmland birds using automated recordings and BirdNET identification Speaker: Marit Kasten</p> <p>CM2-06 - Towards individual bird counting with deep learning Speaker: Alexander Gebhard</p>

Time	Event
09:00–10:30	<p><b>ME2: Collection-based research in plant ecology</b>  <i>Location: Forestry, HS24</i></p> <p>ME2-01 Plant photographs: an important resource for biodiversity research  Speaker: Negin Katal</p> <p>ME2-02 - What can we learn from individually based phenology data in a botanical garden?  Speaker: Tereza Mašková</p> <p>ME2-03 - Seasonal patterns in flowering intensity in herbaceous species are strongly influenced by temperature and flowering duration  Speaker: Robert Rauschkolb</p> <p>ME2-04 - Exploring historical plant archives – their potential to reveal long-term changes in arthropod-plant interactions and biodiversity.  Speaker: Lisa Mahla</p> <p>ME2-05 - Revealing global macroecological gradients from open-access biodiversity data  Speaker: Daria Svidzinska</p> <p>Wrap-up discussion</p>
10:30–11:00	<p><b>Coffee break</b>  <i>Location: Foyers</i></p>
11:00–12:30	<p><b>NC4: Emerging challenges in wildlife ecology and management in the Anthropocene</b>  <i>Location: ZHG, HS14</i></p> <p>NC4-06 - Red deer habitat selection in the face of forest and human disturbances  Speaker: Juliana Eggers</p> <p>NC4-07 - Maternal and neonatal behavioral components of roe deer bed-site selection in grassland habitats: implications for mowing activities  Speaker: Sophie Baur</p> <p>NC4-08 - An experimental assessment of acceleration, energy expenditure and behavior-specific metabolic rates in European brown hares  Speaker: Jonas Roth</p> <p>NC4-09 - Hot topics in butterfly research: filling gaps in our knowledge of the vulnerability of butterflies to climate change  Speaker: Esme Ashe-Jepson</p> <p>NC4-010 - Thirty years of Smooth-coated Otter presence in Singapore: Emerging challenges and future research perspectives on the return of charismatic freshwater fauna into an urban environment  Speaker: Christina Belle</p> <p>Poster pitches</p>

Time	Event
11:00–12:30	<p><b>PE2: Root traits across biomes - links between belowground traits, species diversity and ecological implications</b></p> <p><i>Location: ZHG, HS15</i></p> <p>PE2-07 - Fine roots in the litter layer: an efficient nutrient acquisition mechanism in the Amazon rainforest Speaker: Nathielly Pires Martins</p> <p>PE2-08 - Convergence of leaf and root traits is driven by different environmental factors in Hengduan Mountain forests Speaker: Ya-Huang Luo</p> <p>PE2-09 - Impacts of vegetation diversity on invertebrate fauna and microbial communities on agroecosystems Speaker: Paula Thitz</p> <p>Wrap-up discussion Poster pitches</p>
11:00–12:30	<p><b>FE3: Understanding the impacts of climate and land Use change on tundra and northern boreal forest ecosystems</b></p> <p><i>Location: ZHG, HS16</i></p> <p>FE3-01 - Determining drivers of boreal mountain treeline ecotone responses in changing climates Speaker: Sarah Haupt</p> <p>FE3-02 - Differential sensitivity of sub-arctic peatland versus tundra heath CO<sub>2</sub> fluxes to drought Speaker: Valentin Heinzelmann</p> <p>FE3-03 - Impacts of climate change on ecosystem functions of moss and lichen communities at high latitudes Speaker: Philipp Porada</p> <p>FE3-04 - Using remote sensing data in arctic tundra conservation planning Speaker: Antonia Ludwig</p> <p>FE3-05 - Monitoring progress towards adequate and representative protection of the Arctic tundra Speaker: Hao Xia</p> <p>Poster pitches</p>



Time	Event
11:00–12:30	<p><b>EE3: Understanding and safeguarding wetland functioning and ecological networks</b></p> <p><i>Location: Forestry, HS21</i></p> <p>EE3-07 - Paludiculture can support biodiversity conservation in rewetted fen peatlands Speaker: Alexander Drexler</p> <p>EE3-08 - Greenhouse gas fluxes in tidal marsh soils along a salinity gradient in the Elbe Estuary Speaker: Fay Lexmond</p> <p>EE3-09 - Livestock grazing controls methane emissions from Baltic and North Sea coastal wetlands Speaker: Clarisse Gösele</p> <p>EE3-010 - Mesocosm study: How does warming affect the carbon cycle of Baltic coastal marshes? Speaker: Ella Logemann</p> <p>EE3-011 - Understanding warming effects on soil microbial communities, redox conditions and their interactions along the elevational gradient of salt marshes Speaker: Julian Mittmann-Götsch</p> <p>Poster pitches</p>
11:00–12:30	<p><b>UE3: Urban ecology meets urban planning- using ecological insight to increase peoplenature interactions</b></p> <p><i>Location: Forestry, HS22</i></p> <p>UE3-06 - The spatial distribution inequity and relationship between green surface area and green volume: a perspective from public and private green Speaker: Xia Yao</p> <p>UE3-07 - Demographic and experience-based correlates of attitudes towards and preferred proximity of 32 different animals among the population of Munich Speaker: Fabio Sweet</p> <p>UE3-08 - Roadsides as novel ecosystems and potential ecological traps: reviewing the state of knowledge Speaker: Johannes Kollmann</p> <p>UE3-09 - The effect of optimizing a building envelope for plants and humans: a case study using simulated green roof communities Speaker: Laura Windorfer</p> <p>UE3-010 - Biologische Vielfalt in der Städtebauförderung berücksichtigen – Ergebnisse und Empfehlungen Speaker: Rieke Hansen</p> <p>Poster pitches</p>

Time	Event
11:00–12:30	<p><b>CM3: Advancing ecology with deep learning</b></p> <p><i>Location: Forestry, HS23</i></p> <p>CM3-O1 - Next-generation biodiversity assessment: An automated approach Speaker: Philipp Meyer</p> <p>CM3-O2 - From pixels to populations: AI-driven insights into grassland insect ecology Speaker: Robert Künast</p> <p>CM3-O3 - Automated plant-pollinator interaction monitoring with an open-source DIY camera trap Speaker: Maximilian Sittinger</p> <p>CM3-O4 - Computer-vision based automated assessment of post-disturbance forest resilience Speaker: Kilian Hochholzer</p> <p>CM3-O5 - Integrating empirical connectivity models and deep learning to prioritize sites for greening to improve ecological connectivity for urban birds Speaker: Lisa Merkens</p> <p>Poster pitches</p>
11:00–12:30	<p><b>ME3: Insights from globally coordinated and distributed experiments and surveys</b></p> <p><i>Location: Forestry, HS24</i></p> <p>ME3-O1 - General independent negative effect of drought and positive effect of nutrients on grassland biomass production Speaker: Viviana Bondaruk</p> <p>ME3-O2 - Decade-long active restoration of extremely degraded alpine meadows improved turnover and stability of soil carbon Speaker: Yanfu Bai</p> <p>ME3-O3 - LegacyNet – An international voluntary network investigating multi-species grassland leys to support sustainable agriculture Speaker: Sebastian T. Meyer</p> <p>ME3-O4 - Controlled environment experiments: key findings from the Montpellier European Ecotron Speaker: Alexandru Milcu</p> <p>ME3-O5 - 15-year seasonal warming effects on plant community dynamics Speaker: Yujie Niu</p> <p>Poster pitches</p>
12:30–14:00	<p><b>Lunch break</b></p> <p><i>Location: Foyers</i></p>
12:45–13:45	<p><b>Open data publishing in biodiversity science and ecology: The viewpoint of a scholarly publisher</b></p> <p><i>Location: ZHG, HS15</i></p>
13:15–13:45	<p><b>Yoga</b></p> <p><i>Location: Forestry, foyer</i></p>

Time	Event
14:00–15:30	<p><b>Poster sessions</b></p> <p><i>Location: Foyers</i></p>
15:45–16:30	<p><b>Keynote: Designing Cities for Everyday Nature</b></p> <p><i>Location: ZHG, HS14</i></p> <p>Speaker: Sarah Bekessy</p>
16:30–17:00	<p><b>Coffee break</b></p> <p><i>Location: Foyers</i></p>
17:00–18:30	<p><b>NC4: Emerging challenges in wildlife ecology and management in the Anthropocene</b></p> <p><i>Location: ZHG, HS15</i></p> <p>NC4-011 - Crop diversity but not smaller field size benefits bats in landscapes dominated by agriculture Speaker: Thomas Hiller</p> <p>NC4-012 - The spatial configuration of maize fields and its impact on bird diversity in summer and autumn Speaker: Mirjam Rieger</p> <p>NC4-013 - The raptor lockdown menu—Shifts in prey composition suggest urban peregrine diets are linked to human activities Speaker: Brandon Mak</p> <p>NC4-014 - Birdie, albatross, eagle? - Avian diversity on golf courses Speaker: Pia Tappe</p> <p>NC4-015 - A death trap in the nest. Anthropogenic nest material entanglement causes significant nestling mortality in a terrestrial bird Speaker: Ursula Heinze</p> <p>NC4-016 - Interactive effects of forest quality and weather on nestling conditions of a cooperative breeding Afro-tropical bird Speaker: Gladys Nyakeru Kungu</p>

Time	Event
17:00–18:30	<p><b>NC5: The future of biodiversity in interdisciplinary research</b></p> <p><i>Location: ZHG, HS16</i></p> <p>NC5-01 - Novel natures: New technologies in nature conservation require interdisciplinary debates Speaker: Tina Heger</p> <p>NC5-02 - What can environmental ethics do? A critique of the use of 'relational values' in nature conservation Speaker: Sonja N. K. Daum</p> <p>NC5-03 - Eco-cultural comparison of alpine farming methods in Val Senales and Verçenik Valley under traditional ecological knowledge Speaker: Oguz Basar</p> <p>NC5-04 - Joint environmental and social benefits from diversified agriculture Speaker: Ingo Grass</p> <p>NC5-05 - Promoting insect appreciation in urban areas: Combining social and natural sciences to improve system and transformation knowledge Speaker: Deike Lüdtké</p> <p>NC5-06 - Bridging ecological, interdisciplinary research and public engagement: Insights from the BioDivKultur project Speaker: Johanna Berger</p>
17:00–18:30	<p><b>PE3: Carbon allocation in plants and ecosystems under climate change</b></p> <p><i>Location: Forestry, HS21</i></p> <p>PE3-01 - Long-term warming effects on carbon allocation dynamics in a subarctic grassland Speaker: Fabrizio Protti</p> <p>PE3-02 - High vapour pressure deficit hampers carbon allocation in tropical trees through turgor limitation Speaker: Richard L. Peters</p> <p>PE3-03 - No future growth enhancement expected at the northern edge for European beech due to continued water limitation Speaker: Stefan Klesse</p> <p>PE3-04 - Tree growth responses to drought – stress type and timing matters Speaker: Nadine Ruehr</p> <p>PE3-05 - Carbon dynamics in beech and spruce saplings under future climate change scenarios Speaker: Qiao-Lin Gu</p> <p>PE3-06 - Using bomb <sup>14</sup>C to study nonstructural carbon dynamics in European beech and Norway spruce Speaker: Boaz Hilman</p>

Time	Event
17:00–18:30	<p><b>EE4: Lighting up the landscape: Effects of artificial light at night on natural, agricultural and urban landscapes</b></p> <p><i>Location: Forestry, HS22</i></p> <p>EE4-O1 Light pollution of freshwater ecosystems: ecological impacts and remedies Speaker: Franz Hölker</p> <p>EE4-O2 - Combining field and lab experiments: the impact of different streetlights on the flight behaviour of moths Speaker: Jacqueline Degen</p> <p>EE4-O3 - Effects of artificial light at night on alien plant invasions Speaker: Yanjie Liu</p> <p>EE4-O4 - Exploring a cryptic diversity of parasitoid wasps affected by Artificial Light at Night (ALAN) Speaker: Manuel Dietenberger</p> <p>EE4-O5 - Slugs hide in the dark: Impact of Artificial Light at Night on herbivory Speaker: Eva Knop</p> <p>EE4-O6 - Exploring conservation approaches for nocturnal biodiversity Speaker: Gregor Kalinkat</p>
17:00–18:30	<p><b>CM4: Can good modeling practices foster sustainable land management?</b></p> <p><i>Location: Forestry, HS23</i></p> <p>CM4-O1: Beyond guides, protocols and acronyms: adoption of good modelling practices depends on challenging academia's status quo in Ecology Speaker: Tatiane Micheletti</p> <p>CM4-O2 - Reusable building blocks for strengthening agent-based modelling and theory of socio-ecological systems Speaker: Jürgen Groeneveld</p> <p>CM4-O3 - Developing multidisciplinary models for sustainable land use: challenges and approaches Speaker: Daniel Vedder</p> <p>CM4-O4 - pyMANGA: Harnessing the power of modularity and reusability for robust ecological modeling Speaker: Marie-Christin Wimpler</p> <p>CM4-O5 - BeeScapeR: The Swiss Army Knife for BEE-STEWARDS Research Speaker: Max Luttermann</p> <p>Wrap-up discussion</p>

Time	Event
17:00–18:30	<p><b>UE4: Potential and challenges of urban restoration</b></p> <p><i>Location: Forestry, HS24</i></p> <p>UE4-O1 - The potential of tree-related microhabitats (TreMs) and other ecosystem services among cemetery trees in Karlsruhe city Speaker: Somidh Saha</p> <p>UE4-O2 - The role of roadsides for urban rehabilitation: Trait–environment and trophic interactions in cavity-nesting bees, wasps, and their antagonists Speaker: Simon Dietzel</p> <p>UE4-O3 - Maintenance effects on the biodiversity of floodplain grasslands: vegetation, ground beetles and general arthropod fauna Speaker: Andrea Schneider</p> <p>UE4-O4 - The acceptability of urban rewilding among local communities Speaker: Brenda Maria Zoderer</p> <p>UE4-O5 - Blooming beauty or withered weeds? Empirical study of public perception and acceptance of insect-friendly urban meadows over the course of the year Speaker: Barbara Zaunbrecher</p> <p>UE4-O6 - What hinders the restoration of urban ecosystems? Results from a pan-European survey Speaker: Ann Solveig Krouthén</p>
18:45–19:45	<p><b>General assembly</b></p> <p><i>Location: ZHG, HS16</i></p>
20:00–22:00	<p><b>Theatre: The Circus of the Trees - about the future role of trees in the city</b></p> <p><i>Location: ZHG, HS14</i></p>

## Thursday 12.09.2024

Time	Event
08:00–08:45	<p><b>Keynote: Planning urban green infrastructure to enhance social-ecological resilience</b></p> <p><i>Location: ZHG, HS14</i></p> <p>Speaker: Sara Meerow</p>
08:00–20:00	<p><b>Recharge, Reflect, Revive pt 1</b></p> <p><i>Location: ZHG, S3</i></p>
08:00–20:00	<p><b>Recharge, Reflect, Revive pt 2</b></p> <p><i>Location: Forestry, S4</i></p>

Time	Event
09:00–10:30	<p><b>NC6: New developments in the field of insect declines in Central Europe</b></p> <p><i>Location: ZHG, HS14</i></p> <p>NC6-O1 - Temperature stress for overwintering ground-nesting bees Speaker: Marie Tuchtfeldt</p> <p>NC6-O2 - Neonicotinoids negatively affect life history functions of widespread dung fly species Speaker: Aditi Rawal</p> <p>NC6-O3 - Perception and effects of pesticides in the food of <i>Bombus terrestris</i> Speaker: Carmen Nebauer</p> <p>NC6-O4 - New insights into the impact of land use on taxonomic and phylogenetic insect diversity Speaker: Mareike Kortmann</p> <p>NC6-O5 - Simplification of insect communities across land-use and elevational gradients: conservation insights from an alpine region Speaker: Elia Guariento</p> <p>NC6-O6 - Pitfalls in measuring insect populations and biodiversity trends Speaker: Jörg Müller</p>
09:00–10:30	<p><b>EE5: Biodiversity Exploratories (BE): the value of long-term research platforms in the real world-land-use, biodiversity, ecosystem processes and services</b></p> <p><i>Location: ZHG, HS15</i></p> <p>EE5-O1 - 18 years Biodiversity Exploratories: Review, developments and future perspectives Speaker: Victoria Griebmeier</p> <p>EE5-O2 - Data management within the BE - a key factor for enabling successful research Speaker: Andreas Ostrowski</p> <p>EE5-O3 - Effects of spatiotemporal variation of land-use intensity in grasslands Speaker: Nico Blüthgen</p> <p>EE5-O4 - Long-term assessment of the impact of mowing intensity on grassland biodiversity Speaker: Margarita Hartlieb</p> <p>EE5-O5 - From microscale to landscapes: the importance of nitrifiers and soil mineral associations for N storage in grasslands under different land use intensities Speaker: Narda Pacay-Barrientos</p> <p>EE5-O6 - IntraFlor – How do grazing, mowing, and fertilization intensities affect floral cues and rewards of common meadow plants, their pollinator interactions and pollination outcome? Speaker: Vidisha Bansal</p>

Time	Event
09:00–10:30	<p><b>FE4: Trends and advances in forest ecology: Ecological patterns and processes</b></p> <p><i>Location: ZHG, HS16</i></p> <p>FE4-01 - Creating biodiversity rich forest landscapes in Europe: What we know and what we can do Speaker: Britta Uhl</p> <p>FE4-02 - Historical land use effects on biodiversity: A case study from southern Germany Speaker: Miriam Diez</p> <p>FE4-03 - How long does it take? – Comparing the structure of beech forest reserves and virgin beech forests using the Development Stage Index Speaker: Eike Feldmann</p> <p>FE4-04 - Community assembly history of initial decomposer insects can explain later successional communities and deadwood decomposition Speaker: Shamik Roy</p> <p>FE4-05 - Elevation modifies associations between aboveground and belowground communities in forests across different climatic regions Speaker: Jiayun Zou</p> <p>FE4-06 - Do forest fires have an impact on moth communities? Speaker: Cathrina Balthasar</p>
09:00–10:30	<p><b>PE4: Water in plants under climate change - From cells to ecosystems</b></p> <p><i>Location: Forestry, HS21</i></p> <p>PE4-01 - Climate change sensitivity of Central Europe's major forest tree species – species comparison and options for forestry Speaker: Christoph Leuschner</p> <p>PE4-02 - Drought legacy effects on tree water fluxes in a temperate Scots Pine forest at its tipping point Speaker: Simon Haberstroh</p> <p>PE4-03 - Tree water status and root water uptake of mature European beech and Douglas fir in pure and mixed stands throughout the drought summer 2022 Speaker: Christina Hackmann</p> <p>PE4-04 - Water use and growth patterns of European beech and Douglas fir in pure and mixed stands in wet and dry years, and the role of canopy structural traits and tree neighborhood Speaker: Sharath Paligi</p> <p>PE4-05 - Simulating drought-stress of Lower Saxonian forests under climate change using regionalised climate projections Speaker: Ramona Riedel</p>



Time	Event
09:00–10:30	<p><b>PE5: Multiple stressors in Global-Change Ecology</b></p> <p><i>Location: Forestry, HS22</i></p> <p>PE5-01 - Number of simultaneously acting global change factors affects composition, diversity and productivity of grassland plant communities Speaker: Benedikt Speier</p> <p>PE5-02 - Stress-resistant plant communities for urban stormwater management Speaker: Nadja Katharina Berger</p> <p>PE5-03 - Over 100 years of change: stronger diversity decline in lowland than in mountain grasslands Speaker: Stefan Widmer</p> <p>PE5-04 -Climate change and management independently affect the nutrition of grassland plants Speaker: Yva Herion</p> <p>PE5-05 - Global change in experimental above-belowground multitrophic grassland communities Speaker: Hendrik Mohr</p> <p>PE5-06 - Land use modulates resistance of grasslands against future climate and interannual climate variability in a large field experiment Speaker: Lotte Korell</p>
09:00–10:30	<p><b>RS1: Remote sensing of biodiversity</b></p> <p><i>Location: Forestry, HS23</i></p> <p>RS1-01 Copernicus Data Space Ecosystem is transformative for landscape ecology Speaker: Andrs Zlinszky</p> <p>RS1-02 - Exploring the relation of forest height heterogeneity and tree species diversity using Remote Sensing Speaker: Elisabeth Rahmsdorf</p> <p>RS1-03 - Reaching new heights: Unraveling the quality of global canopy height maps Speaker: Vitezslav Moudry</p> <p>RS1-04 - Quantifying tree cover loss across European forests from 1984 to 2023 Speaker: Katja Kowalski</p> <p>RS1-05 - Plant trait retrieval from spectral data: Collective efforts of the scientific community outperform data simulations Speaker: Daniel Mederer</p> <p>RS1-06 - Establishing a novel training data set to aid circumboreal AI applications to detect individual trees and species in northern boreal forests and the tundra transition: BorFIT Speaker: Stefan Kruse</p>

Time	Event
09:00–10:30	<p><b>AG1: Role of IPM-based biodiversity measures in agricultural landscape transformation</b></p> <p><i>Location: Forestry, HS24</i></p> <p>AG1-01 - The contribution of insect-promoting measures to IPM in agricultural transformation processes – Lessons learned from the FinAL project Speaker: Tiemo von Steimker</p> <p>AG1-02 Positive effects of wildflower strips on invertebrate organisms and ecosystem services above and below ground Speaker: Sonja Knapp</p> <p>AG1-03 Overwintering of ground-dwelling arthropods in wildflower strips: do agricultural practices matter? Speaker: Alfredo Ventura</p> <p>AG1-04 The effect of strip cropping with oilseed rape and wheat on pest densities and natural enemies Speaker: Michelle Grote</p> <p>AG1-05 - Understanding the impact of insect-promoting measures on beneficial and pest occurrence: The FinAL project approach Speaker: Niels Lettow</p> <p>AG1-06 - Less yield for more biodiversity – seeking a compromise when undersowing maize with biodiversity-enhancing partners Speaker: Vera Werssebeckmann</p>
10:30–11:00	<p><b>Coffee break</b></p> <p><i>Location: Foyers</i></p>
11:00–12:30	<p><b>NC7: Temporal biodiversity change analyses to support sustainable land management and conservation</b></p> <p><i>Location: ZHG, HS14</i></p> <p>NC7-01 - MonA: Mobilisation and analysis of raw vegetation data from German federal monitoring programs Speaker: Jana Bürger</p> <p>NC7-02 - Consistent species trends across three federal states in Germany revealed by repeated habitat mapping data Speaker: Lina Lüttgert</p> <p>NC7-03 - Half a century of vegetation changes across temperate non-forest habitats: minor changes in species richness, considerable shifts in taxonomic and functional composition Speaker: Klára Klinkovská</p> <p>NC7-04 - Effects of habitat age and ploughing on ground-dwelling arthropods in perennial flower strips Speaker: Christopher Hellerich</p> <p>NC7-05 - Herbivore community stability coupling with dynamics of tree communities in a subtropical forest Speaker: Ming-Qiang Wang</p> <p>NC7-06 - Archived natural DNA samplers reveal four decades of biodiversity change across the tree of life Speaker: Isabelle Junk</p>

Time	Event
11:00–12:30	<p><b>EE5: Biodiversity Exploratories (BE): the value of long-term research platforms in the real world-land-use, biodiversity, ecosystem processes and services</b></p> <p><i>Location: ZHG, HS15</i></p> <p>EE5-07 - Rethinking the quantification of land use in forests Speaker: Michael Staab</p> <p>EE5-08 - Landscape structure and composition impact forest biodiversity and ecosystem services within the Biodiversity Exploratories Speaker: Leana Gooriah</p> <p>EE5-09 - The role of tree species identity, forest management and abiotic conditions for biodiversity in deadwood and wood decomposition – synthesis of the 14-year BELongDead Experiment Speaker: Sebastian Seibold</p> <p>EE5-010 - Tree microhabitat dynamics at the stand and tree scale Speaker: Peter Schall</p> <p>EE5-011 - Canopy openness affects decomposer communities of carrion in forests Speaker: Marit Hertlein</p> <p>EE5-012 - Changes in moth communities along land-use intensity gradients in forests and grasslands Speaker: Rafael Achury</p>
11:00–12:30	<p><b>FE4: Trends and advances in forest ecology: Ecological patterns and processes</b></p> <p><i>Location: ZHG, HS16</i></p> <p>FE4-07 - Quantifying the impacts of lightning-induced tree mortality using a dynamic global vegetation model Speaker: Andreas Krause</p> <p>FE4-08 - Exploring future disturbance scenarios for Europe's forests Speaker: Marc Grünig</p> <p>FE4-09 - Beyond resilience: Responses to changing climate and disturbance regimes in temperate forest landscapes across the Northern Hemisphere Speaker: Christina Dollinger</p> <p>FE4-010 - Effect of climate change on the recovery capacity of <i>Fagus sylvatica</i> after a severe disturbance event along its productivity gradient in Central Europe Speaker: Katarina Merganicova</p> <p>FE4-011 - Quantifying the pace of succession: Turnover rates of tree functional composition after disturbances Speaker: Bettina Ohse</p> <p>FE4-012 - Enhancing reforestation success through scale-adapted spatiotemporal coordination of natural and artificial regeneration: insights from simulation experiments with the iLand model Speaker: Xinying Zhou</p>

Time	Event
11:00–12:30	<p><b>PE4: Water in plants under climate change - From cells to ecosystems</b></p> <p><i>Location: Forestry, HS21</i></p> <p>PE4-06 - Hydraulically redistributed water by mature oak trees is taken up by neighbouring seedlings of three different species during natural drought periods Speaker: David Dluhosch</p> <p>PE4-07 - Comparing the drought vulnerability of mature and juvenile trees in a mixed temperate forest stand Speaker: Raphael Dups</p> <p>PE4-08 - Pinpointing the shift from environmental to stomatal control of transpiration Speaker: Martin Bader</p> <p>PE4-09 - Continuous monitoring of stem water potential in deciduous forests: Assessing a novel microtensiometer for ecosystem hydraulics research Speaker: Ruth-Kristina Magh</p> <p>PE4-010 - Can we derive early warnings on tree drought stress intensity from stem shrinkage? Speaker: Yanick Ziegler</p> <p>PE4-011 - City trees under drought – relating functional ecology to remote sensing Speaker: Tamalika Chakraborty</p>
11:00–12:30	<p><b>PE5: Multiple stressors in Global-Change Ecology</b></p> <p><i>Location: Forestry, HS22</i></p> <p>PE5-07 - Fertilization alters resistance but not recovery responses to drought intensity in an experimental grassland community Speaker: Svenja Wanke</p> <p>PE5-08 - Metacommunity processes shape multi-scale biodiversity dynamics in fragmented landscapes Speaker: Zachary Hajian-Forooshani</p> <p>PE5-09 - Applying metacommunity theory to understand the dynamics of extinction debt Speaker: Beatriz Prado Bastos Monteiro</p> <p>PE5-010 - Multi-resource dung beetle networks within the context of forest recovery Speaker: Karen Marie Pedersen</p> <p>PE5-011 - Are ant and termite communities dispersal- or habitat-limited along a forest recovery gradient? Speaker: Nina Grella</p> <p>PE5-012 - Multiple-stressor impacts on multitrophic interactions and ecosystem functioning – lessons learnt from experimental forest systems Speaker: Malte Jochum</p>

Time	Event
11:00–12:30	<p><b>RS1: Remote sensing of biodiversity</b></p> <p><i>Location: Forestry, HS23</i></p> <p>RS1-07 - Phenological heterogeneity and forest stand improvement management in Southern Germany Speaker: Haiyin Ye</p> <p>RS1-08 - Fresh leaves in fall: a binary indicator of stress in <i>Fagus sylvatica</i>? Speaker: Julia Joswig</p> <p>RS1-09 - Grassland decline and land cover change in Lower Saxony – classification and quantification Speaker: Hauke Itzek</p> <p>RS1-010 - Monitoring of eco-hydrological changes following rewetting of European peatlands – Towards the integration of earth observation in restoration management Speaker: Laura Giese</p> <p>RS1-011 - Ecosystem and landscape restoration across spatial and temporal scales to enhance biodiversity and climate resilience in agricultural landscapes Speaker: Ayushi Kurian</p> <p>Wrap-up discussion</p>
11:00–12:30	<p><b>AG1: Role of IPM-based biodiversity measures in agricultural landscape transformation</b></p> <p><i>Location: Forestry, HS24</i></p> <p>AG1-07 - Including beneficial functional traits of weeds in control strategies Speakers: Mona Schatke</p> <p>AG1-08 -Sound manipulation and proximity to natural vegetation augment bat abundance in Mediterranean vineyards Speaker: Itamar Giladi</p> <p>AG1-09 - Differential contribution of biological control by bats and birds and the role of the landscape structure Speaker: Mina Anders</p> <p>AG1-010 - Increases in ecological infrastructure and the potential of changing pest dynamics by structural complexity: a review of effective strategies in orchards Speaker: Tim Mark Ziesche</p> <p>AG1-011 - Utilizing functional biodiversity in fruit and arable farming. Socioeconomic lessons learned from project experience Speaker: Bettina Wenzel</p> <p>AG1-012 - Fruit production in coffee (<i>Coffea arabica</i> L.) crops is enhanced by the behaviour of wild bees (Hymenoptera: Apidae) Speaker: Patricia Landaverde</p>
12:30–14:00	<p><b>Lunch break</b></p> <p><i>Location: Foyers</i></p>
12:45–13:45	<p><b>What is the role of ecologists in the climate and environmental crisis? – A case for public action</b></p> <p><i>Location: ZHG, HS15</i></p>

Time	Event
13:15–13:45	<p><b>Yoga</b></p> <p><i>Location: Forestry, foyer</i></p>
14:00–14:45	<p><b>Keynote: Blue nature-based solutions: value, knowledge, and rules hindering and leveraging river restoration.</b></p> <p><i>Location: ZHG, HS14</i></p> <p>Speaker: Aude Zingraff-Hamed</p>
15:00–16:30	<p><b>NC8: Evaluating protected areas for biodiversity conservation currently and in the future</b></p> <p><i>Location: ZHG, HS14</i></p> <p>NC8-O1 - Evaluating ecological representation in protected area networks - metrics and tools from systematic conservation planning Speaker: Kerstin Jantke</p> <p>NC8-O2 - Single large or several small: Exploring the effect of reserve size on biodiversity in protected forest areas Speaker: Anne Huber</p> <p>NC8-O3 - Influence of land use on bird communities, taxonomic and functional diversity in the Vjosa River National Park in Albania Speaker: Dea Zyruku</p> <p>NC8-O4 - The impact of road traffic on protected areas and biodiversity across the globe Speaker: Maarten van Strien</p> <p>NC8-O5 - Identifying conservation and restoration potential of biodiversity under climate change Speaker: Sven Rubanschi</p> <p>NC8-O6 - Climate change is expected to severely impact protected designation of origin olive growing regions over the Iberian Peninsula Speaker: Inês Guise</p>
15:00–16:30	<p><b>EE6: Beta diversity and beta ecosystem functioning: Landscape homogenization, new indices and the potential for beta BEF research</b></p> <p><i>Location: ZHG, HS15</i></p> <p>EE6-O1 - BETA-FOR – Enhancing structural diversity in production forests – a blueprint for experimental beta diversity research in real world ecosystems Speaker: Oliver Mitesser</p> <p>EE6-O2 - Restoring structural beta-heterogeneity promotes diversity of higher trophic level taxa in a forest landscape Speaker: Clara Wild</p> <p>EE6-O3 - Shifts in seed disperser communities in spring: The diversity of ants and gastropods, and slug-mediated seed removal in temperate forests with enhanced structural heterogeneity Speaker: Lisa Albert</p> <p>EE6-O4 - Beta complexity Speaker: Ulrich Brose</p> <p>EE6-O5 - The global human impact on ecological communities Speaker: François Keck</p>

Time	Event
15:00–16:30	<p><b>FE4: Trends and advances in forest ecology: Ecological patterns and processes</b></p> <p><i>Location: ZHG, HS16</i></p> <p>FE4-O13 - Increasing frequency of drought years threatens the viability of beech forests in Central Germany Speaker: Nadja Rüger</p> <p>FE4-O14 - Drought resistance of <i>Abies alba</i> seedlings of different provenances to simulated drought Speaker: Thomas Medicus</p> <p>FE4-O15 - Deciphering the future dynamics of temperate montane forest: Early snowmelt's influence on winter herbivory and seedling drought resistance. Speaker: Miguel Munoz Mazon</p> <p>FE4-O16 - High nitrate and sulfate leaching in response to wetter winters in temperate beech forests Speaker: Aron Garthen</p> <p>FE4-O17 - Impacts of a thermohaline circulation shutdown on European tree-species distributions Speaker: Allan Buras</p> <p>Wrap-up discussion</p>
15:00–16:30	<p><b>Water in plants under climate change - From cells to ecosystems</b></p> <p><i>Location: Forestry, HS21</i></p> <p>PE4-O12 - SCC II Throughfall Exclusion Experiment: First results indicate high sensitivity and vulnerability of temperate tree species to progressing drought Speaker: Ansgar Kahmen</p> <p>PE4-O13 - Mature beech and spruce under five years of recurrent summer drought – The impact of stomatal regulation and leaf area adjustment on tree water use Speaker: Benjamin Hesse</p> <p>PE4-O14 - Mechanistic modelling of extreme drought stress in European forests Speaker: Phillip Papastefanou</p> <p>PE4-O15 - Effect of flooding on physiological vitality and survival of floodplain-forest tree species Speaker: Josef Urban</p> <p>PE4-O16 - Rooting for hyphae: Functional persistence of AMF water transport to plants during soil drying Speaker: Alora Kraus</p> <p>PE4-O17 - Beyond mean annual precipitation: How rainfall variability shapes tree water use in a semi-arid savanna Speaker: Tim Herkenrath</p>

Time	Event
15:00–16:30	<p><b>PE5: Multiple stressors in Global-Change Ecology</b></p> <p><i>Location: Forestry, HS22</i></p> <p>PE5-013 - Earthworm invasion derails belowground multidiversity and ecosystem multifunctionality Speaker: Olga Ferlian</p> <p>PE5-014 - Centuries of change: The role of climate, pollution, and eutrophication in shaping Lake Biodiversity Speaker: Miklós Bálint</p> <p>PE5-015 - Eco-phenotypic feedbacks differ in multi-stress environments Speaker: Lynn Govaert</p> <p>PE5-016 - Diversity and climate are main drivers of riverine fish stability across spatial scales Speaker: Fei Ma</p> <p>PE5-017 - A mechanistic description of the interplay of soil moisture and soil water salinity as abiotic driving factors for the establishment of vegetation patterns in tropical saltmarshes Speaker: Ronny Peters</p> <p>PE5-018 - Flexible foraging behaviour increases predator vulnerability to climate change Speaker: Benoit Gauzens</p>
15:00–16:30	<p><b>RS2: Remote sensing for understanding sustainable land use across scales</b></p> <p><i>Location: Forestry, HS23</i></p> <p>RS2-01 - Remote sensing and machine learning-based maps of the environment and the need to account for the area of applicability Speaker: Hanna Meyer</p> <p>RS2-02 - Branch biomass estimation for urban trees based on TLS data Speaker: Leila Parhizgar</p> <p>RS2-03 - Leaf to Landscape: Deciphering Vegetation's Effect on Rainfall Erosivity by Lidar Speaker: Johannes Senn</p> <p>RS2-04 - Drone models to predict rangeland resources are transferable in space and time Speaker: Vistorina Amputu</p> <p>RS2-05 - A hybrid modelling approach to establish links between forest attributes and hyperspectral data Speaker: Samuel Fischer</p> <p>RS2-06 - From pixels to birds: Remote sensing reveals habitat heterogeneity's role in Alpine bird communities. Speaker: Matteo Anderle</p>



Time	Event
15:00–16:30	<p><b>AG2: Above- and belowground structures and traits of agroforestry systems: chances and trade-offs</b></p> <p><i>Location: Forestry, HS24</i></p> <p>AG2-01 - From traditional to modern agroforestry systems: Benefits for biodiversity, animal welfare, productivity and climate resilience Speaker: Felix Herzog</p> <p>AG2-02 - Long-term yield dynamics in arable alley cropping agroforestry under the influence of climatic water balance and soil properties – a case study Speaker: Olef Koch</p> <p>AG2-03 - Drought resistance and regeneration ability of three savannah tree species from agroforestry systems in the Sahel zone – results of a greenhouse experiment Speaker: Karl-Heinz Häberle</p> <p>AG2-04 Grafting as a method for the conservation of cacao genetic diversity and local biodiversity in tropical agroforests Speaker: Carolina Ocampo-Ariza</p> <p>AG2-05 - Factors driving tree community structure in traditional home gardens in the Mayan forest. Speaker: Norka Maria Fortuny Fernández</p> <p>AG2-06 - Boosting birds and bats with agroforestry Speaker: Martin Entling</p>
16:30–17:00	<p><b>Coffee break</b></p> <p><i>Location: Foyers</i></p>
17:00–18:30	<p><b>NC8: Evaluating protected areas for biodiversity conservation currently and in the future</b></p> <p><i>Location: ZHG, HS14</i></p> <p>NC8-07 - Future climate and land use changes threaten the effectiveness of Swiss protected areas Speaker: Bertrand Fournier</p> <p>NC8-08 - Where to do what – identifying focus zones for Swiss agricultural priority birds Speaker: Noëlle Klein</p> <p>NC8-09 - Evaluating German development co-operation's approaches to support protected areas, their biodiversity and their people Speaker: Anna Sting</p> <p>NC8-010 - Habitat associations of day-flying Lepidoptera and their foodplants: Lessons for the selection and management of protected areas Speaker: Esme Ashe-Jepson</p> <p>NC8-011 - Efficacy of the Mexican protected areas network in representing species' ecological niches Speaker: Andrés Lira-Noriega</p> <p>NC8-012 - Mapping 30% by 2030: An evidence base for creating resilient landscapes in Scotland Speaker: Fairlie Kirkpatrick Baird</p>

Time	Event
17:00–18:30	<p><b>EE6: Beta diversity and beta ecosystem functioning: Landscape homogenization, new indices and the potential for beta BEF research</b></p> <p><i>Location: ZHG, HS15</i></p> <p>EE6-O6 - Environmental filtering, not dispersal history, drives global patterns of phylogenetic turnover in seed plants at deep evolutionary timescales Speaker: Lirong Cai</p> <p>EE6-O7 - Exploring the interplay of area and beta diversity in scaling the diversity-stability relationship Speaker: Julia Mayr</p> <p>EE6-O8 - Biodiversity at multiple spatial scales buffers ecosystem functioning against extreme climate events Speaker: Gaëtane Le Provost</p> <p>EE6-O9 - Spatial factors influence beta-diversity patterns of invertebrate communities in water-filled tree holes more than small-scale environmental factors Speaker: Francesca Cerroti</p> <p>EE6-O10 - Landscape complexity affects trap-nesting bee and wasp communities Speaker: Sara Tassoni</p> <p>EE6-O11 - Reconciling agriculture and biodiversity: high quality butterfly communities in Northern Italian agroecosystems Speaker: Michela Audisio</p>
17:00–18:30	<p><b>FE4: Trends and advances in forest ecology: Ecological patterns and processes</b></p> <p><i>Location: ZHG, HS16</i></p> <p>FE4-O18 - Diversity-enhanced canopy space occupation and canopy leaf trait diversity jointly promote overyielding in tropical tree communities Speaker: Tama Ray</p> <p>FE4-O19 - The interplay of carbon stocks and biodiversity in European managed forests and underlying mechanisms Speaker: Julian Lunow</p> <p>FE4-O20 - Overyielding in a mixed deciduous forest is driven by both above- and belowground adaptation, and influenced by ontogenetic changes in allometry Speaker: Boris Rewald</p> <p>FE4-O21 - Experimental canopy nitrogen deposition effects in temperate forests: The case of <i>Quercus petraea</i> L. and <i>Fagus sylvatica</i> L. ring width and wood density Speaker: Daniel Minikaev</p> <p>FE4-O22 - Forest Informed Neural Networks (FINN) - Combining deep learning and process-based models to improve inference and prediction of forest dynamics Speaker: Yannek Käber</p> <p>Wrap-up discussion</p>

Time	Event
17:00–18:30	<p><b>PE4: Water in plants under climate change - From cells to ecosystems</b></p> <p><i>Location: Forestry, HS21</i></p> <p>PE4-O18 - Effects of forest fires on tree hydraulics Speaker: Stefan Mayr</p> <p>PE4-O19 - Conifers and broad-leaved trees fundamentally differ in their water storage strategies Speaker: Roman Mathias Link</p> <p>PE4-O20 - Gas movement between xylem conduits can be slow and affects xylem vulnerability curves in flow-centrifuge experiments Speaker: Luciano de Melo Silva</p> <p>PE4-O21 - Wood anatomical and hydraulic traits of Tamarix species across a large geographical gradient: climate and phylogenetic relationships Speaker: Frank Thomas</p> <p>PE4-O22 - Similarity in hydraulic safety but not efficiency among 81 temperate tree species Speaker: Fon Tezeh</p> <p>PE4-O23 - Are established non-native tree species better suited for establishing climate resilient forests compared to their native counterparts within the same genus? Speaker: Bernhard Schuldt</p>
17:00–18:30	<p><b>PE6: Ecosystem response to repeated climate extremes - an integrated approach across organizational scales</b></p> <p><i>Location: Forestry, HS22</i></p> <p>PE6-O1 - Ecosystem response to repeated climate extremes – an integrated approach across organizational scales through functional traits Speaker: Qingqing Chen</p> <p>PE6-O2 - Divergent responses of plant, soil and ecosystem processes to recurrent drought events Speaker: Michael Bahn</p> <p>PE6-O3 - Tree diversity decreases the legacy effect of compound climate extremes on forest ecosystems Speaker: Xuetao Qiao</p> <p>PE6-O4 - Resource use strategies of biodiversity can buffer grassland productivity during climate anomalies Speaker: Daniela Hoss</p> <p>PE6-O5 - A win-win global climate change adaptation and mitigation: Evidence from sustainable cocoa management Speaker: Samuel Owusu</p> <p>PE6-O6 - The role of hydrochory in structuring a metapopulation along a fragmented river Speaker: Ilaria Rita Guiducci</p>

Time	Event
17:00–18:30	<p><b>RS2: Remote sensing for understanding sustainable land use across scales</b>  <i>Location: Forestry, HS23</i></p> <p>RS2-07 - Airborne assessment of evapotranspiration across tree islands in an oil palm landscape  Speaker: Thorge Wintz</p> <p>RS2-08 - Investigating post-disturbance forest recovery dynamics in the European Alps: What can be seen from Earth observation data?  Speaker: Lisa Mandl</p> <p>RS2-09 - Mapping species-specific tree dieback across Germany using Sentinel-2 time series and regression based unmixing  Speaker: Jonas Alsleben</p> <p>RS2-010 - Evaluating machine learning techniques and data sources for dead trees detection  Speaker: Júlia Matejčíková</p> <p>RS2-011 - From phreatophyte species to habitat probability for groundwater-dependent vegetation - A multiscale approach  Speaker: Léonard El-Hokayem</p> <p>RS2-012 - Assessing northern boreal forest migration and the extent of tundra losses in a warming climate  Speaker: Stefan Kruse</p>
17:00–18:30	<p><b>AG3: Ecological and social dimensions of future renewable energy systems</b>  <i>Location: Forestry, HS24</i></p> <p>AG3-01 - Innovative hydropower: fish passage, mortality and habitat effects  Speaker: Juergen Geist</p> <p>AG3-02 - Environmental impacts of floating PV  Speaker: Jocelyn Mitchell</p> <p>AG3-03 - The role of stakeholders in corporate biodiversity management in the Middle East and North Africa (MENA) region  Speaker: Ghada Amin</p> <p>AG3-04 - Integration of nature-based solutions in ground mounted photovoltaic and onshore wind energy sites for a nature positive energy transition  Speaker: Gayathri Mohan</p> <p>AG3-05 - Red kites and wind power: Increasing the cut-in speeds of wind turbines can contribute to more effective protection of the species  Speaker: Marcel Becker</p> <p>AG3-06 - Wind turbines in forests: Implications for species conservation and regulatory responses using the example of Germany  Speaker: Julia Ellerbrok</p>

Time	Event
18:45–19:30	<b>Closing ceremony</b> <i>Location: ZHG, HS14</i>
19:30–22:00	<b>Conference dinner</b> <i>Location: Bräustüberl Weihenstephan</i>
21:30–01:30	<b>Disco night</b> <i>Location: Bräustüberl Weihenstephan</i>

## Friday 13.09.2024

Time	Event
08:00–19:00	<b>Murnauer Moos: 1-day excursion with Hanno Schäfer</b> <i>Location: Freising</i>
08:30–13:00	<b>Weltacker Landshut: Half-day excursion with Theresia Endriß</b> <i>Location: Freising Bahnhof</i>
08:30–23:59	<b>Berchtesgaden National Park: 2-day field trip on science and conservation in an iconic mountain landscape with Rupert Seidl</b> <i>Location: Freising</i>
09:00–13:00	<b>Research data management for advancing sustainable land use practices</b> <i>Location: Forestry, HS24</i>
09:00–13:00	<b>Exploration, analysis and cloud processing of free Sentinel imagery for ecological monitoring with Copernicus Data Space Ecosystem</b> <i>Location: Forestry, S4</i>
09:00–12:00	<b>Improving the contribution of ecology to the planning of green cities</b> <i>Location: Forestry, S7b</i>
09:00–12:30	<b>Kranzberg Forest Roof Experiment (KROOF) - Half-day excursion with Karl-Heinz Häberle and Thorsten Grams</b>
09:30–13:00	<b>Effective digital note taking: How to organize your knowledge and streamline your workflow with Obsidian</b> <i>Location: Forestry, S7a</i>
09:30–17:00	<b>Exploring City Oases in Munich: 1 day excursion with Monika Egerer</b> <i>Location: Marienplatz, Munich</i>

## Saturday 14.09.2024

Time	Event
12:00–17:00	<b>Berchtesgaden National Park: Two-day field trip on science and conservation in an iconic mountain landscape with Rupert Seidl</b>