



# iDiv Conference 2024

## Thursday, 14 November 2024

### Talk Session: Biodiversity Change - Leipziger KUBUS/1-B - Hall 1 B (11:00 - 12:15)

time	[id] title	presenter
11:00	[116] Exploring the relation between tree species diversity and forest height heterogeneity across spatial scales using Remote Sensing	RAHMSDORF, Elisabeth
11:15	[90] Links between satellite-derived forest health anomalies and biodiversity	Dr LANGE, Maximilian
11:30	[34] Effect of non-native flora on natural biogeographic regionalization of global flora	CAI, Lirong
11:45	[16] Land use modulates resistance of grasslands against future climate and inter-annual climate variability in a large field experiment	KORELL, Lotte
12:00	[23] Consistent species trends across three federal states in Germany revealed by repeated habitat mapping data	LÜTTGERT, Lina

### Talk Session: Biodiversity & Society - Leipziger KUBUS/2-AB - Hall 2 (11:00 - 12:15)

time	[id] title	presenter
11:00	[63] Forests for Well-being: Exploring public preferences for forest complexity - a European perspective	GIERGICZNY, Marek
11:15	[74] Influence of subjective and objective greenspace exposure on self-reported health & wellbeing	MEEMKEN, Marie-Theres
11:30	[123] Assessing the impact of income on life satisfaction in valuing urban nature: A study of 22 German cities	MARDER, Fabian
11:45	[86] Connecting Stakeholders for Biodiversity: A European Network	Mr LANGER, Christian
12:00	[59] Integrating Data Cubes for Biodiversity Research and Policy	ESTUPINAN SUAREZ, Lina

### Talk Session: Flexpool - Leipziger KUBUS/1-A - Hall 1 A (11:00 - 12:15)

time	[id] title	presenter
11:00	[21] Taxonomic and functional vegetation changes of dry grassland communities in Central Germany	HORKA, Susanne
11:15	[79] Flexpool Project "Archives4BioDiv" - A Window to the Past: The Use of Archive Data for Collecting Baseline Information on Biodiversity	Mr WU, ChenHuan
11:30	[15] Spatial patterns of genomic variation and temporal genomic offset in a common grassland plant and their relation to seed transfer zones	HÖFNER, Johannes
11:45	[42] PlantCAPNet: A Novel Tool for the Extraction of Plant Species Abundances and Plant Phenology from Images	Mr KÖRSCHENS, Matthias
12:00	[91] Enhancing Nigeria's Biodiversity Strategy: Recent Progress and Future Directions	BELLO, Abubakar

**Talk Session: Biodiversity and the functioning of Ecosystem - Leipziger KUBUS/1-A - Hall 1 A (13:30 - 14:45)**

time	[id] title	presenter
13:30	[138] Effects of Artificial Light At Night extend below ground to limit soil respiration	HINES, Jes
13:45	[104] Ecosystem Monitoring using Multi-source Optical Remote Sensing Data at Bavarian Forest National Park	Dr Ji, Chaonan
14:00	[89] Priority effects in native and exotic European grassland plants are mediated by direct competition and soil fungi	DIESKAU, Julia
14:15	[8] TOWARDS CLIMATE-SMART REWILDING	SCHWARZ STARK, Gavin
14:30	[106] Reflecting spectral information: Global leaf and canopy optical dimensions and their associations to traits and the environment.	Dr JOSWIG, Julia S.

**Talk Session: Biodiversity Change - Leipziger KUBUS/1-B - Hall 1 B (13:30 - 14:45)**

time	[id] title	presenter
13:30	[64] Revegetation across Europe primarily benefits common and generalist pollinator species	GLENNY, William Robb
13:45	[151] The impact of urban development on diversity, performance and fitness of cavity-nesting Hymenoptera	ÇELIKGIL, Atilla
14:00	[67] Land use effects on freshwater biodiversity: synthesis based on a new global database	SHEN, Minghua
14:15	[65] Synthesizing over 30 years of soil biodiversity data in Germany (and beyond)	RISTOK, Christian
14:30	[101] Disproportionate declines of formerly abundant species underlie insect loss	VAN KLINK, Roel

**Talk Session: Biodiversity & Society - Leipziger KUBUS/2-AB - Hall 2 (13:30 - 14:45)**

time	[id] title	presenter
13:30	[31] Societal Dynamics and Loss of Coastal Ecosystem Biodiversity: A Sociological Multi-Level Review	YENDELL, Alexander Ms JAECKEL, Yvonne Ms ROSTEIUS, Pauline Ms LERCH, Helene Ms BÄR, Giulia
13:45	[145] Rewilding the Oder Delta, Germany: Envisioning Pluralistic Value Perspectives with Nature Futures Scenarios	QUINTERO URIBE, Laura Catalina
14:00	[33] Multi-objective management of naturally regenerating beech forests – An ecological-economic optimization approach	SCHORN, Markus Erhard
14:15	[129] Expert evaluation: Potential future scenarios for the Common Agricultural Policy	PEER, Guy
14:30	[26] Persefone.jl: evaluating biodiversity impacts of agricultural policy with a multidisciplinary mechanistic model	VEDDER, Daniel

**Talk Session: Biodiversity and the functioning of Ecosystem - Leipziger KUBUS/1-A - Hall 1 A (15:30 - 16:45)**

time	[id] title	presenter
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15:30	[98] Mycorrhiza in Tree Diversity-Ecosystem Function Relationships: the first nine years of the iDiv experimental platform MyDiv	FERLIAN, Olga
15:45	[75] Tree diversity increases carbon stocks and fluxes above- but not belowground in a tropical forest experiment	Dr SCHNABEL, Florian
16:00	[46] Inconsistent short-term effects of enhanced structural complexity on soil microbial properties across German forests	SCHWARZ, Rike Lena
16:15	[57] Assessing the role of intraspecific and intraindividual variability in tree-tree interactions	CASTRO SANCHEZ-BERMEJO, Pablo
16:30	[12] Volatile responses to branch-localized induction of <i>Quercus petraea</i> in a BEF experiment	ANJOS DE STEFANO ESCALIANTE, Gabriela

**Talk Session: Biodiversity Dynamics & Complexity - Leipziger KUBUS/1-B - Hall 1 B (15:30 - 16:45)**

time	[id] title	presenter
15:30	[155] Plant macrophenology - from individuals to synchronised group behaviour	MORA, Karin
15:45	[99] Long-time scale functional trait data from herbarium specimens shows growth strategy trade-offs in plants of agricultural fields	KÜHN, Paul
16:00	[130] Exploring how plant-pollinator network structure shapes the virome of bee communities	PLUTA, Patrycja
16:15	[159] Community Dynamics modifies Pollutant-Driven Species Extinction Risk	DAS, Rajaditya
16:30	[60] Fruits and Microbes, Friends or Foes? The hidden role of microbes in fruit chemical signaling to seed dispersers.	CHRONOPOULOU, Evangelia

**Talk Session: Molecular Biodiversity and Evolution - Leipziger KUBUS/2-AB - Hall 2 (15:30 - 16:45)**

time	[id] title	presenter
15:30	[144] Unveiling the role of phenotypic plasticity and adaptation using a grassland biodiversity experiment	DE GIORGI, Francesca
15:45	[117] A wild past? – Phylogenomic reconstruction of the evolutionary history of <i>Cedrela</i> and <i>Toona</i> (Meliaceae)	JENNERT, Pauline
16:00	[103] How do symbionts adapt in novel hosts? Using experimental evolution approach	Mr SINGH, Pratyaksh
16:15	[55] Genetic patterns of a grassland plant across a fragmentation gradient of semi-natural grasslands in Europe	Dr ENDE, L. Marie
16:30	[35] Unraveling Local Decline in <i>Antennaria dioica</i> Populations through Herbarium Specimens: The Role of Genetic Diversity, Sex Ratios, and Environmental Factors	VÖRÖS, Weronika A.

## Friday, 15 November 2024

### **Talk Session: Biodiversity and the functioning of Ecosystem - Leipziger KUBUS/1-A - Hall 1 A (09:00 - 10:15)**

time	[id] title	presenter
09:00	[141] Soil food web states across successional stages, climates, and land use types	Prof. POTAPOV, Anton
09:15	[66] The heterogeneity–diversity–system performance nexus	EISENHAUER, Nico
09:30	[113] Drivers of nutrient pools and concentrations in globally distributed grasslands with nutrient addition	SIEBENKAES, Alrun
09:45	[163] Functional and phylogenetic diversity of island birds in the Anthropocene	KALUSCHE, Jan
10:00	[147] How Knowledge Graphs can support your synthesis work - a case study integrating PlantHub trait data, public occurrence data, GBIF checklists, and environmental information	AL MUSTAFA, Tarek

### **Talk Session: Biodiversity Dynamics and Complexity - Leipziger KUBUS/2-AB - Hall 2 (09:00 - 09:45)**

time	[id] title	presenter
09:00	[134] Synthesis of recovery patterns in microbial communities across environments	JURBURG, Stephanie
09:15	[76] Metacommunity processes shape multi-scale patterns of biodiversity in fragmented landscapes	HAJIAN-FOROOSHANI, Zachary
09:30	[140] Graphical representation of coexistence in a variable environment	SYNODINOS, Alexis

### **Talk Session: Flexpool - Leipziger KUBUS/1-B - Hall 1 B (09:00 - 10:15)**

time	[id] title	presenter
09:00	[161] Using machine learning for PROSAIL inversion to retrieve functional plant traits of intensively and extensively managed grasslands	DOKTOR, Daniel IAKUNIN, Maksim
09:15	[24] Met-Total: Towards an unbiased survey of habitat-dependent metabolic diversity	FRANKE, Katrin
09:30	[118] Ecomechanics - Small animals need shaky grounds, but how shaky?	WÖHRL, Toni
09:45	[115] Biodiversity effects on Plant-Atmosphere interactions analysed with Remote Sensing (PARSe Biodiversity)	FEILHAUER, Hannes MAHANAND, Swapna

### **Talk Session: Biodiversity & Society - Leipziger KUBUS/2-AB - Hall 2 (09:45 - 10:15)**

time	[id] title	presenter
09:45	[121] Mapping the global polycrisis	PEER, Guy
10:00	[10] Future fishing potential under climate change in the Western Baltic Sea	VOSS, Rüdiger

### **Talk Session: Biodiversity and the functioning of Ecosystem - Leipziger KUBUS/1-A - Hall 1 A (10:45 - 12:00)**

time	[id] title	presenter
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10:45	[17] Temporal stability of grasslands under climate change and underlying mechanisms	HERION, Yva
11:00	[30] Seasonal patterns in flowering intensity in herbaceous species are strongly influenced by their competitiveness and phenological niche	RAUSCHKOLB, Robert
11:15	[93] Are space-for-time substitution approaches appropriate in phenology research?	SILVA-CALA, Andrea
11:30	[51] Linking Plant Biomass to Herbivore Dynamics: Integrating Remote Sensing and Camera Trap Data to Assess Livestock Impacts on Wild Ungulates	ZULEGER, Annika Mikaela
11:45	[9] Rewilding indicators across Europe	WEISSGERBER, Magali

**Talk Session: Biodiversity Change - Leipziger KUBUS/2-AB - Hall 2 (10:45 - 12:00)**

time	[id] title	presenter
10:45	[153] Wildlife on the Edge: Health and Fitness of Wild Macaques in Forest-Oil Palm Plantation Habitats	Dr HOLZNER, Anna
11:00	[122] Pan-European Connectivity for Large Mammals: Connections for Continental Resilience	DETIEN, Jeremy
11:15	[83] War, Peace, and Potato: A retrospective analysis of 250 years of change in forest, defaunation, and recolonization in a rewilding landscape in Europe	SHARMA, Sandeep
11:30	[27] A time-series exploration of linkages between species diversity, functional diversity, and spectral dissimilarity in a temperate floodplain meadow	Dr RAHMANIAN, Soroor Prof. FEILHAUER, Hannes
11:45	[164] Utilizing multi-objective decision support tools for protected area selection	VOSKAMP, Alke

**Talk Session: Molecular Biodiversity and Evolution - Leipziger KUBUS/1-B - Hall 1 B (10:45 - 12:00)**

time	[id] title	presenter
10:45	[154] Genome size and trait flexibility influences evolutionary radiation of palms	Dr BHADRA, Sreetama
11:00	[92] Megafauna affects the genetic structure and demographic history of a megafruit palm in Africa	PU, Yuanshu
11:15	[43] Evolution of Wolbachia nutritional symbiosis – The Enigmatic Case of the Biotin Operon	PREUSS, Leopold
11:30	[20] Little evidence for latitudinal genetic diversity gradients within or between species	GRANJON, Anne-Celine
11:45	[11] Sources of Variation in Plant Chemical Diversity	NGUYEN, Linh Mai Nhat