

iDiv Annual Conference 2025

Tuesday 30 September 2025

Biodiversity and the functioning of Ecosystems - Lecture Hall XXIII (16:00 - 17:30)

-Conveners: Robert Rauschkolb; Rike Schwarz; Henriette Christel

time	[id] title	presenter
16:00	[13] Soil food web functions in forests of different dominant mycorrhiza type	POTAPOV, Anton
16:15	[39] The use of plant, bacterial and fungal resources in soil food webs of ecto- and arbuscular mycorrhiza-dominated deciduous forests	HAUER, Amelie
16:30	[9] Functional and taxonomic shifts in nematode diversity following enhancement of structural β -complexity in forests	SCHWARZ, Rike
16:45	[82] How microbial physiological traits and functions shape necromass contributions to soil organic carbon: Insights from the Biodiversity Exploratories	Dr BI, Qing-Fang
17:00	[72] Bursting with Potential: The Dual Role of Prophages in Gene Flow and Carbon Cycling	Dr GHANEM, Nawras
17:15	[6] Drivers of foliar fungal endophyte communities in subtropical forests	DROST, Tibor
17:17	[54] MiCoDa: the Microbial Community Database	JURBURG, Stephanie
17:18	[98] Stomatal regulation across 38 tree species as a window into water-use strategies under climate change	SACHSENMAIER, Lena
17:19	[27] Prospects for virus research in natural terrestrial ecosystems	Mrs ZUEVA, Anna
17:20	[116] Above-belowground interactions, biodiversity, and global change research	Dr FERLIAN, Olga

Wednesday 1 October 2025

Biodiversity and the functioning of Ecosystems - Lecture Hall XXIII (11:30 - 13:00)

-Conveners: Rike Schwarz; Henriette Christel; Robert Rauschkolb

time	[id] title	presenter
11:30	[16] Space-for-Time substitution to study phenological shifts in herbaceous species is most reliable for early-flowering species	RAUSCHKOLB, Robert
11:45	[55] Floral vs. vegetative structure fingerprints identified by terrestrial laser scanning intensity	MORA, Karin
12:00	[30] How pollen traits are shaped by aerodynamic and vegetative constraints in anemophilous plants	HORNICK, Thomas
12:15	[51] From point clouds to tree morphometrics: Assessing shape variation in forest LiDAR data	HODAČ, Ladislav
12:30	[95] Transformers vs. Recurrent Neural Networks for Predicting CO2 Uptake in Forest Ecosystems	MONTERO LOAIZA, David

Biodiversity and the functioning of Ecosystems - Lecture Hall XXIII (14:00 - 15:30)

-Conveners: Rike Schwarz; Henriette Christel; Robert Rauschkolb

time	[id] title	presenter
14:00	[18] Functional Diversity Buffers Insect Disturbance Impacts in Forest Ecosystems: A Process-Based Modelling Study Using QUINCY	MA, Yimian
14:15	[84] Effects of tree diversity and facilitation on microclimate in the Brazilian Caatinga	KÖHLER, Michael
14:30	[45] Traits in the light of diversity: Exploring intra-individual leaf trait responses to local light availability and biodiversity in a subtropical forest experiment	PROSS, Tobias
14:45	[11] Functional traits explain growth response to successive hotter droughts across a wide set of common and future tree species in Europe	KRETZ, Lena
15:00	[19] Fine root traits mediate drought resistance in a rhizo-tube experiment	SAXENA, Srijna
15:15	[47] Utilizing belowground traits to predict ecosystem productivity across different environments	ANDRACZEK, Karl