

	Session 1 (cont.)	Session 5 (cont.)	Session 4 (cont.)	Session 6 (cont.)	Session 2 (cont.)	Session 3 (cont.)
15:10	1-3 R van Klink: Insect declines in Europe? Contrasting long-term trends among commonly assessed taxonomic groups	5-3 J Pagel: Models of ecological niches and biotic interactions to explain local co-variability and joint species distributions across the geographic ranges of plants	4-3 M Striebel: Stoichiometric constraints on phytoplankton resource use efficiency in monocultures and mixtures	6-2/3 A Kahmen (cont.)	2-3 M Bauer: Developing novel restoration substrates – re-use of waste bricks for land-fill coverage and urban tree planting	3-3 M Steinbauer: Integrating within-island heterogeneity into theory of island biogeography
15:25	1-4 C Skarbek: Trends in ground beetle (Carabidae) abundance and species richness over 33 years in Southwest Germany	5-4 L Heiland: How does the establishment niche of European forest trees differ from the niche of 'adult' occurrence?	4-4 C Plum: Stoichiometric relations in plankton communities along the West Antarctic Peninsula	6-4 R Patthey: Can continuous recordings of stem diameter variations be used to predict canopy water potential in mature trees during extreme drought events?	2-4 S Meyer: Leaf litter decomposition and litter fauna in urban forests	3-4 C Hof: Inter- and intraspecific variation of arthropod thermal tolerances along elevational gradients in Pakistan
15:40	Foyers: Coffee break until 16:10 LWL Museum: Poster session & coffee break until 16:50					

Monday, 9 September 2019						
Time	Fürstenberghaus			Juridicum		
	F1	F2	F5	JUR1	JUR3	JUR4
	Session 1 (cont.) Data for biodiversity change assessment D Bowler, A Bonn, H Bruelheide, F Jansen	Session 5 (cont.) Niche concept O Krüger, J Gadau	Session 4 (cont.) Ecological stoichiometry U Hamer, T Kleinebecker, D Ott	Session 6 (cont.) Water in plants MM Lehmann, B Schuldt, T Grams	Session 2 (cont.) Urban ecosystems L Neuenkamp, R Schröder, LK Fischer, V Klaus	Session 3 (cont.) Synthesis of large-scale biodiversity patterns S Pinkert, MJ Steinbauer
16:50	1-5 T Gottschalk: Do we understand regional patterns of biodiversity changes using the German butterfly monitoring scheme?	5-5 S Ibanez: Positive plant-soil feedbacks trigger tannin evolution by niche construction: a spatial stoichiometric model	4-5 V Minden: Nutrient deficiency induces a shift in the silicon to carbon balance in plant tissue	6-5 K Schumann: Hydraulic response of European beech, Norway spruce and Douglas fir during an exceptionally dry summer	2-5 L Neuenkamp: Sustainable urban greenspaces: Do citizens' needs and biodiversity conservation meet?	3-5 M Brändle: Drivers of species richness variation of phytophagous insects among plants in Germany
17:05	1-6 M Frenzel: Adding years, adding certainty? Drivers of temporal change in bees and birds in agricultural landscapes	5-6 J Gadau: What is a social niche and how does it change our view of social evolution?	4-6 V Busch: Macronutrient ratio homeostasis of grassland plant species along a land-use intensity gradient	6-6 BD Hesse: Water uptake and allocation upon re-watering after 5 years of repeated summer drought in mature Beech and Spruce	2-6 LK Fischer: "Nature to go": Wild vegetation along urban railway stations allows people everyday contact with nature	3-6 J Hagge: Congruent patterns of functional diversity in saproxylic beetles and fungi across European beech forests
17:20	1-7 F Jansen: Moderately common plants suffer most from overall diversity loss	5-7 M Dammhahn: A risky niche: among-individual differences in landscapes of fear	4-7 K Potthast: Grasshoppers induced acceleration of C and N cycling in N-limited pasture system	6-7 J Burkhardt: Hygroscopic aerosols cause 'hydraulic activation of stomata' and decrease stomatal control	2-7 AK Schneider: Learning from Mimi, Pelle & co: tracking domestic cats in a citizen science project	3-7 S Pinkert: The signature of Quaternary climate change in patterns of species richness and endemism across Africa and its consequences for conservation

	Session 1 (cont.)	Session 5 (cont.)	Session 4 (cont.)	Session 6 (cont.)	Session 2 (cont.)	Session 3 (cont.)
17:35	1-8 L Zoller: 120 years of change: using historical data to assess the effects of climate change on Arctic plant-pollinator interactions	5-8 F Menzel: Coping with the climate: how cuticular hydrocarbons are linked to the climate niche of an insect	4-8 M Kotowska: Nutrient recycling and the contribution of wood versus leaves to tree nutrient budgets	6-8 MA Cormier: Differential deuterium enrichment occurring during the synthesis of organic compounds under different metabolisms affects hydrological signal of n-alkanes and α -cellulose	2-8 M Egerer: Local and landscape drivers of ecosystem services trade-offs and synergies in urban agroecosystems	3-8 I McFadden: Temperature shapes opposing latitudinal gradients of plant taxonomic and phylogenetic β diversity
17:50	1-9 H Bruelheide: Using permanent and quasi-permanent vegetation plot records to identify winners and losers of biodiversity change in Germany	5-9 N Haack: The influence of niche parameters on the diversity of xylobiont beetles in the canopy of the Leipzig floodplain forest	4-9 A Tischer: Effects of plant-derived dissolved organic matter on soil microbial C:N:P stoichiometry	6-9 RM Link: Growth rates of tropical trees depend on size and canopy position but not on hydraulic potential and wood density	2-9 M Boura: Landscape typology of urban vegetation ecosystem services across European urban areas	3-9 F May: A global synthesis reveals general effects of ecosystem decay on multiple components of biodiversity in habitat remnants
18:05	1-10 A Nakamura: Invitation to forest canopy ecology: global scale collaborations in a changing world	General discussion	General discussion	6-10 PA Waite: Xylem vulnerability to embolism in natural and transformed tropical systems in Sumatra, Indonesia	General discussion	3-10 I Franić: Worldwide and host-dependent variation in fungal endophyte diversity in twigs of eleven tree genera
18:20	<i>Transition time</i>					
18:30	Schloss: Ice breaker					
20:30	Starting at Schloss: Early career pub networking (open end)					

Time		Tuesday, 10 September 2019, "Practitioner's day"					
08:30	F1: Keynote by David Kleijn: Effective biodiversity restoration requires a landscape-level multi-stakeholder approach						
09:25	Foyers & LWL Museum: Coffee break						
	Fürstenberghaus		Juridicum				
	F1	F2	F5	JUR1	JUR2	JUR3	JUR4
	Session 7 Conservation & restoration A Bucharova, N Farwig, J Kollmann	Session 10 Insektenschutzprogramm Deutschland M Niekisch, I Dege	Session 8 Naturschutzpraxis trifft Wissenschaft K Kiehl, N Hölzel, I Leyer, G Rosenthal, N Stanik	Session 16 Microplastic pollution F Gabel, K Wendt-Potthoff, B Philipp	Session 14 An interdisciplinary view on peatlands KH Knorr, PJH Mathijssen	Session 2 (cont.) Urban ecosystems L Neuenkamp, R Schröder, LK Fischer, V Klaus	Session 12 Physiological plant ecology A Gessler, A Kahmen, C Grossiord
09:55	7-1 M Felipe-Lucia: Multiple forest attributes underpin the supply of multiple ecosystem services	10-1 Sprecher des BMU: Das Aktionsprogramm Insektenschutz	8-1 N Hölzel: Naturschutzfachliche Aufwertung von Grünland durch Artenanreicherung – Stand des Wissens, Möglichkeiten und Fallstricke	16-1 E Brandes: Estimating the spatial distribution of microplastics in agricultural soils – a top-down approach	14-1/2 J Kreyling: WETSCAPES – from understanding to sustainable use of peatlands	2-10 M Moretti: Assessing biotic homogenization in cities – A taxonomic and functional beta diversity approach	12-1 K Schrieber: Population differentiation in metabolic cold stress responses of an endemic high mountain tree: implications for forest retractions and conservation under global change
10:10	7-2 I Doerfler: Is the success of deadwood restoration diminished by isolation and small size of forests?	10-2 M Niekisch: Für einen flächenwirksamen Insektenschutz – Stellungnahme von SRU und WBBGR	8-2 AK Mainz: Wildpflanzensaatgut - wertvoller Baustein zur Förderung der Artenvielfalt	16-2 R Pinheiro Machado Rehm: Soil erosion as a transport pathway of microplastic from agricultural soils to inland waters		2-11 C Helletsgruber: Cross-city analysis of mutual influences of urban trees and microclimate	12-2 SF Bucher: Maximum carboxylation capacity, electron transport rates and leaf nutrients in five calcareous grassland species across Europe

	Session 7 (cont.)	Session 10 (cont.)	Session 8 (cont.)	Session 16 (cont.)	Session 14 (cont.)	Session 2 (cont.)	Session 12 (cont.)
10:25	7-3 EA Lawer: Small-scale disturbance regimes alter small mammal communities in a tropical West African forest	10-3 I Dege: Klotzen statt kleckern: Wirksamer Insektenschutz muss systemischen Probleme angehen	8-3 A Bucharova: Regiosaatgut zur Wiederherstellung von Pflanzengemeinschaften	16-3 F Gabel: All rivers flow into the ocean – all their plastic too? (Temporal) sinks of microplastics in freshwaters	14-3 F Närmann: Effects of wet fen utilisation on biodiversity – a literature-based review	2-12 A Grossmann: Cities promote diverse wild bee communities and specific functional groups	12-3 S Gypser: Hotspot biocrusts: Combining chlorophyll fluorescence and NDVI to analyze spatial and temporal variations of photosynthesis
10:40	7-4 B Ohse: The Belgian Gagea (<i>Gagea spathacea</i>) in Germany: How to safeguard a species of national conservation responsibility within the context of global change and sustainable forest management	10-4 J Dauber: Das Aktionsprogramm Insektenschutz aus Sicht der agrarökologischen Forschung	8-4 K Kiehl: Renaturierung urbaner Lebensräume durch Ansaat gebietseigener Wildpflanzen – Ergebnisse, Erfahrungen und Herausforderungen	16-4 B Philipp: Functional analysis of microbial biofilm communities on polyethylene-microplastic particles in freshwater environments	14-4 GJ Duinen: Hand in hand? Restoration, Sphagnum, fauna and GHG-emission in a Dutch bog remnant	2-13 S Keinath: Trait change in insect species in urban and rural habitats from 1900 to now	12-4 E Jung: Drought response traits in tropical deciduous woody species: opposite relation of turgor loss point to rainfall than expected
10:55	7-5 A Zizka: A global Red List of orchids stresses the reliability of automated conservation assessment based on species occurrence records from public databases	10-5 C Hölzer: Deutschland summt! Summen Sie mit?	8-5 V von Königslöw: Förderung von Bienen in Apfelplantagen durch naturnahe Vegetationsstrukturen	16-5 A Holzinger: The effects of different concentrations of different polymer particles on the earthworm <i>Eisenia fetida</i>	14-5 T Dworrak: Nature conservation considering vector ecological burdens	2-14 H Reininghaus: The importance of plant resources at multiple spatial scales for a key pollinator	12-5 M Holloway-Phillips: The hydrogen isotope composition of cellulose is related to the carbon status of leaves

Time								Tuesday, 10 September 2019, "Practitioner's day"							
			Fürstenberghaus					Juridicum							
F1		F2		F5		JUR1		JUR2		JUR3		JUR4			
Session 7 (cont.) Conservation & restoration A Bucharova, N Farwig, J Kollmann		Session 10 (cont.) Insektenschutzprogramm Deutschland M Niekisch, I Dege		Session 8 (cont.) Naturschutzpraxis trifft Wissenschaft K Kiehl, N Hölzel, I Leyer, G Rosenthal, N Stanik		Session 16 (cont.) Microplastic pollution F Gabel, K Wendt-Potthoff, B Philipp		Session 14 (cont.) An interdisciplinary view on peatlands KH Knorr, PJH Mathijssen		Session 2 (cont.) Urban ecosystems L Neuenkamp, R Schröder, LK Fischer, V Klaus		Session 12 (cont.) Physiological plant ecology A Gessler, A Kahmen, C Grossiord			
11:10	7-6 S Fink: Conservation planning for riparian plant species under changing climate		Diskussion		8-6 A Brinkert: Wiederansiedlung von Offenlandlebensräumen im Hotspot-Projekt „Wege zur Vielfalt“ und im Projekt „Hotspot goes LEADER“		16-6 D Michler-Kozma: Served on a plastic plate - Testing the nutritional value of plastic-associated biofilm for the freshwater pulmonate <i>Physa fontinalis</i>		14-6 L Zeh: Root carbon input to peatland soils as affected by plant functional types and temperature: insights from 13CO2 pulse labelling		2-15 A Hiller: Phylogenetic conservation of functional diversity in plant communities declines with urbanization		12-6 V Vitali: High frequency stable isotope signals as proxy for physiological responses to climate - Dual isotope approach at a European scale		
11:25	7-7 L Smits: Abiotic conditions and bottlenecks for <i>Luronium natans</i> populations in Atlantic Germany				8-7 P Raabe: Ansiedlung und Vermehrung von Bulttorfmoosen in der Hochmoorrenaturierung		16-7 LE Rothe: Effekte von Mikroschadstoffen aus konventionellem und ozoniertem Abwasser auf Makrozoobenthosorganismen: Ein Projektüberblick		14-7 KH Knorr: Elevated Nitrogen Deposition Resulted in Enhanced Peat Decomposition Across Europe During the 20th Century		2-16 B Braschler: The function of a set-aside railway bridge in connecting urban habitats		12-7 BD Hafner: Hydraulic Redistribution – Relevance and mechanisms among Central European tree species		
11:40	7-8 R Nikolaus: Impact of recreational fisheries on aquatic and riparian biodiversity in artificial lake ecosystems				8-8 T Brandt: Erfolg einer Wiederansiedlung von Europäischen Laubfröschen (<i>Hyla arborea</i>) in der Steinhuder Meer-Niederung, Niedersachsen		General discussion		14-8 J Limpens: Shrubs and degraded permafrost pave the way for tree establishment in subarctic peatlands		2-17 J Casanelles Abella: Modelling biodiversity in urban areas: a first study in the city of Zurich		12-8 S Kurze: Grazing response strategies of winter annuals: Linking traits to species' responses in the field		
11:55	Lunch break														

12:55	F1: Keynote by Julie Etterson: Wild plant evolution under natural and unnatural selection						
13:50	Transition time						
	Fürstenberghaus						
	F1	F2	F5	F073	JUR1	Juridicum JUR3	JUR4
	Session 7 (cont.)	Session 9	Session 8 (cont.)	Session 11	Session 17	Session 15	Session 12 (cont.)
		Urban air pollution		Naturschutzpraxis im Rahmen von „LIFE Natur“	The Dutch way of restoration	Parasite ecology & evolution	
		A Held, O Klemm, B Paas		S Schmidt, M Raffel, T Kutter	L Lamers, E Remke	D Thieltges, B Sures, J Scharsack, M Wegner, D Benesh	
14:00	7-9 K Chen: Catastrophe of Chaohu Lake Ecosystem and Wetland Restoration and Cyanobacteria Removal in Wetland	9-1 L Ehrnsperger: The contribution of oxidized and reduced Nitrogen to particulate matter in the urban atmosphere	8-9 P Borgmann: Das Projekt Wildpflanzenschutz Deutschland (WIPs-De) - Schwerpunkte und erste Ergebnisse	11-1/2 S Schmidt: Das Integrierte LIFE-Projekt "Atlantische Sandlandschaften"	17-1 J Roelofs: The history of the OBN network – how did it evolve?	15-1 B Sures: Some like it hot: Trematode transmission in changing ecosystems	12-9 L Ivanova: Which leaf functional traits predict plant response to climate best? A case study along the latitudinal gradient in central Northern Eurasia
14:15	7-10 A Schweiger: On the dominance of rare event recruitment in our landscapes: A demographic perspective on nature conservation in the Anthropocene	9-2 U Javed: Unwanted side effects in the exhaust gas cleaning of combustion engines inferred from mobile air quality measurements	8-10/11 Diskussion: Wiederansiedlung von Pflanzen und Tieren in fragmentierten Landschaften - Möglichkeiten, Grenzen und Herausforderungen bei der Umsetzung		17-2 W Wiersinga: The Dutch Approach: the present OBN network and program on research and knowledge transfer on ecological restoration	15-2 JP Scharsack: Rising temperature intensifies fitness conflicts in a host-parasite system	12-10 I Beil: The dynamic of autumn phenology and winter dormancy in European tree species

Tuesday, 10 September 2019, "Practitioner's day"							
Time	Fürstenberghaus				Juridicum		
	F1	F2	F5	F073	JUR1	JUR3	JUR4
	Session 7 (cont.) Conservation & restoration A Bucharova, N Farwig, J Kollmann	Session 9 (cont.) Urban air pollution A Held, O Klemm, B Paas	Session 8 (cont.) Naturschutzpraxis trifft Wissenschaft K Kiehl, N Hölzel, I Leyer, G Rosenthal, N Stanik	Session 11 (cont.) Naturschutzpraxis im Rahmen von „LIFE Natur“ S Schmidt, M Raffel, T Kutter	Session 17 (cont.) The Dutch way of restoration L Lamers, E Remke	Session 15 (cont.) Parasite ecology & evolution D Thieltges, B Sures, J Scharsack, M Wegner, D Benesh	Session 13 Carbon allocation in plants & ecosystems H Hartmann, G Hoch, M Bahn
14:30	7-11 M Fabšičová: Restoration of plant and habitat diversity by small-scale ploughing of abandoned grasslands	9-3 HD Alas: Understanding the spatial variability of air pollutants in urban areas through microscale urban air quality research	8-10/11 Diskussion (cont.)	11-3 C Müller: Aktuelle Herausforderungen bei der Umsetzung von Natura 2000 in Deutschland	17-3 E Brouwer: Management and restoration of softwater lakes in The Netherlands	15-3 BW Berkhout: Complex relationships between environments, hosts and parasites	13-1/2 A Gessler: Belowground processes drive carbon allocation in trees under drought
14:45	7-12 H Pánková: Restoration of a serpentine sites of endemic species <i>Minuartia smejkalii</i>	9-4 J Voigtländer: Determination of the spatial and temporal distribution of black carbon and particulate matter with mobile backpack measurements	8-12 D Remy: Erfolgskontrolle von langjährig abgeschlossenen Vorhaben zur Auenrenaturierung	11-4 R Brauner: Das LIFE-Programm der EU – ein Beitrag zur Umsetzung des Natura 2000-Netzwerks auch in Deutschland	17-4 G van Duinen: Stepwise from wetness and Sphagnum mosses to fauna and bog landscapes	15-4 B Sures: Characterization of nutritional relationships between parasites and their hosts using stable isotope analyses	
15:00	7-13 T Hamřík: Impact of small-scale conservation managements on spider communities (Araneae) in xeric grasslands	9-5 SO Nabavi: Spatial and temporal ozone variability in northern Bavaria with a focus on Bayreuth	8-13 F Velbert: Der Einfluss des Pflegeregimes auf die Vegetation und den Nährstoffhaushalt von Feuchtwiesen im Münsterland – Ergebnisse eines 30-jährigen Freilandexperimentes	11-5 R Schlüter: Länderübergreifendes Konzept zur Umsetzung von Natura 2000 - Beispielhaftes Vorgehen im IP-Life "Atlantische Sandlandschaften"	17-5 B van Tooren: Species richness of limestone grasslands in the Netherlands	15-5 D Thieltges: Biological invasions and their impact on parasite-host interactions	13-3 E Messinger: Fine root exudation of <i>Fagus sylvatica</i> in top- and subsoil on six sites differing in soil chemical properties
15:15	7-14 O Valkó: Environmental heterogeneity is a major driver of community assembly – Lessons from the restoration of landscape scars	9-6 M Karl: Modelling the urban air quality in Hamburg with the new city-scale chemistry transport model EPISODE-CityChem	8-14 I Wynhoff: Keine Grenzen für den dunklen Ameisenbläuling!	11-6 I Bruchmann: Setting priorities for the conservation of habitat types in Lower Saxony	17-6 M Weijters: What goes up, must come down? Effect of soil pH-manipulation, addition of soil biota and addition of plant-material on heathland development on former agricultural soils	15-6 KM Wegner: Invasions create competitors: How novel interactions among established and invasive parasites influence host parasite interactions	13-4 T Stefan: Modelling of carbon allocation and dynamics of an agroforestry system using a novel tree-community model

15:30	Foyers: Coffee break until 16:00						
	LWL Museum: Poster session & coffee break until 16:40						
			Fürstenberghaus			Juridicum	
	F1	F2	F5	F073	F043	JUR3	JUR4
	Session 7 (cont.)	Town hall discussion Urban air pollution A Held, O Klemm, B Paas	Session 8 (cont.)	Session 11 (cont.)	Session 18 Die "neue" Agrarökologie T Buttschardt	Session 15 (cont.)	Session 13 (cont.)
16:30							
16:40	7-15 B Deák: Kurgans as refuges for grassland species: large-scale multi-taxon study on Eurasian burial mounds	Townhall discussion Luftverschmutzung in der Stadt: Was läuft schief?	8-15 D Rupprecht: Lassen sich Kalkmagerrasen durch Beweidung mit Schafen und Damhirschen erhalten? Ergebnisse aus einem 8-jährigen Dauerexperiment im Teutoburger Wald	11-7 B Beckers: Die Rolle der Biologischen Stationen bei der Umsetzung von NATURA 2000 und LIFE in Nordrhein-Westfalen	18-1 T Buttschardt: Die "neue" Agrarökologie: Ein Ansatz für eine nachhaltige Landwirtschaft?	15-7 A Dobson: Allometric Scaling of models for Parasitic Helminth	13-5 V Mihaila: Above- and belowground tree biomass allometry and partitioning for beech, in a primeval forest in the central Carpathian Mountains
16:55	7-16 J Kollmann: Restoration supports biodiversity on golf courses: From dense swards to biodiverse roughs		8-16 M Köhler: Ganzjahresbeweidung orchideenreicher Kalktrockenrasen – Ergebnisse aus 10 Jahren naturschutzfachlicher Erfolgskontrolle im NSG Tote Täler	11-8 P Schwartze: Maßnahmen im Kreis Steinfurt zur Verbesserung des Erhaltungszustands von LRT 3130, Moorfrosch und Froschkraut	18-2 A Hopf: Optimierung und Verstetigung von großen Naturschutzprojekten durch Ansätze der „neuen“ Agrarökologie	15-8 J Schwelm: Responses of trematode communities to river restoration in Germany	13-6 R Rehschuh: Post-stress recovery in Scots pine: Carbon allocation and turnover times differ in response to heat versus heat-drought stress
17:10	7-17 E Pagel: A Case Study on the Selection of Genetic Conservation Areas for German Species-Rich Grasslands		8-17 F Riesch: Wildlebende Rothirsche im Offenland: Eine Chance für das Naturschutzmanagement	11-9 C Göcking: Schutz und Wiederansiedlung der Knoblauchkröte (<i>Pelobates fuscus</i>) im Rahmen von LIFE	18-3 G Wicke: Naturschutzberatung in der Landwirtschaft - Eine Chance zur effizienten Umsetzung von Förderprogrammen und der Übermittlung von ökologischen Zielen	15-9 S Georgieva: Trematode communities in the Lake Tanganyika's lates perches	13-7 L Schönbeck: Fertilization stimulates carbon allocation to belowground sinks during drought

Time								Tuesday, 10 September 2019, "Practitioner's day"							
				Fürstenberghaus				Juridicum							
F1		F2		F5		F072		F041		JUR3		JUR4			
Session 7 (cont.) Conservation & restoration A Bucharova, N Farwig, J Kollmann		F2: Town hall discussion (cont.) Urban air pollution A Held, O Klemm, B Paas		Session 8 (cont.) Naturschutzpraxis trifft Wissenschaft K Kiehl, N Hölzel, I Leyer, G Rosenthal, N Stanik		Session 11 (cont.) Naturschutzpraxis im Rahmen von „LIFE Natur“ S Schmidt, M Raffel, T Kutter		Session 18 (cont.) Die "neue" Agrarökologie T Buttschardt		Session 15 (cont.) Parasite ecology & evolution D Thieltges, B Sures, J Scharsack, M Wegner, D Benesh		Session 13 (cont.) Carbon allocation in plants & ecosystems H Hartmann, G Hoch, M Bahn			
17:25	7-18 M Conrady: Rapid evolution in plants cultivated for ecosystem restoration		Townhall discussion (cont.) Luftverschmutzung in der Stadt: Was läuft schief?		8-18 K Henning: Renaturierung und Management von Sandrasen- und Heideökosystemen durch ganzjährig extensive Rinder- und Pferdebeweidung		11-10 C Höppner: LIFE BOVAR - Management der Gelbbauchunke (<i>Bombina variegata</i>) und anderer Amphibien dynamischer Lebensräume		18-4 J Horn: Perspektiven innovativer Technologien in einem integrativen Ansatz für eine nachhaltigere Weidewirtschaft		15-10 D Benesh: How parasitic worms infect grazing mammals		13-8 S Ouyang: The effects of drought and nutrition on the interplay between carbon and nitrogen relations in trees		
17:40	7-19 T Sandner: A comparison of the effects of stress and inbreeding on plants from an ex-situ cultivated population and its source population				Diskussion: Erfolgsfaktoren für die Renaturierung von Heide- und Grasland-ökosystemen		11-11 H Rößling: Erfahrungen des NaturSchutzFonds Brandenburg aus zehn Jahren LIFE-Umsetzung		18-5 S Paltrinieri: GrünSchatz – Möglichkeiten der Erhöhung der Biodiversität innerhalb ökonomisch orientierter landwirtschaftlicher Kulturen		15-11 N Hafer-Hahmann: Where the parasite goes, the host follows: Experimental evolution of parasitic host manipulation		13-9 K Hikino: Acclimation of Beech and Spruce during 5 years of repeated summer drought		
17:55	7-20 M Schneider: Restoration of species-rich grassland at high elevation using adapted seed mixtures						Diskussion		Diskussion		General discussion		13-10 G Hoch: High carbon storage in trees at long-term carbon limitation		
18:10	<i>Transition time</i>														
18:20	Working group meetings														
18:30	F040: Conservation & restoration		F042: Ecosystem Research		F043: Forest Ecology		F2: Meet the editors								
20:00	F1: Public lecture by Nico Blüthgen: Nicht nur die Biene – Ursachen und Folgen des Insektensterbens														

Time		Wednesday, 11 September 2019					
08:30	F1: Keynote by Kris Verheyen: The forest herb layer: more than a step-over						
09:25	Foyers & LWL Museum: Coffee break						
	F1	Fürstenberghaus F2	F5	JUR1	Juridicum JUR2	JUR3	JUR4
	Session 19	Panel discussion	Session 28	Session 24	Session 26	Session 21	Session 23
	Enticing farmers for ecological intensification	FAIR data principles	Dynamic ecosystems	Molecular biodiversity & interaction assessment	Remote Sensing	Forest Ecology - methods & management strategies	Plant populations across space & time
	T Fijen, D Kleijn, M Albrecht	A Ostrowski, R Gerlach, J Nieschulze, B König-Ries	S Fink, K Ludewig	J Tiede, A Keller, B Eitzinger	H Feilhauer, D Doktor	F Huth, M Bredemeier	SF Bucher, JF Scheepens, C Lampei, J Metz
09:55	19-1 D Kleijn: Ecological intensification: bridging the gap between science and practice	Panel discussion FAIR data principles in the scientific publication and funding processes: expected implications for researchers	28-1 G Friedland: Impact of open-cast lignite mining products in the Lusatian area on the spatial biogeo-chemical patterns of sediments along the river Spree (Germany)	24-1/2 S Bourlat: Molecular methods in Biodiversity monitoring: An overview	26-1 A Große-Stoltenberg: Remote sensing of an N-fixing invasive shrub species: Early indicators of high impact	21-1 H Bugmann: Stand-scale climate change impacts on forests over large areas: transient responses and projection uncertainties	23-1 RJ Heim: Fire promotes shrub encroachment in Arctic tundra
10:10	19-2 E Martin: Combining landscape and functional trait research to build ecological intensification in crops		28-2 R Wöllner: Reintroduction of an alpine river specialist under altered river dynamics – the role of habitat reachability		26-2 L Sujay Vailshery: A closer view from the sky: Use of an Unmanned Aerial Vehicle for monitoring invasion of <i>Impatiens glandulifera</i>	21-2 D Seidel: From tree to stand-level structural complexity	23-2 S Kruse: Why is the Siberian treeline migration rate not keeping pace with climate warming? – insights from individual-based modelling and trait adaptation
10:25	19-3 T Fijen: Conserving biodiversity in agricultural landscapes: a win-win for farmer and wildlife?		28-3 J Huber: No evidence for the diversity-stability hypothesis in restored grasslands on river dikes under fluctuating climatic conditions		24-3 V Zizka: Seasonal diversity patterns in aquatic macroinvertebrate communities analysed through metabarcoding and the impact on biomonitoring aspects	26-3 S Getzin: Drone-based assessment of grass vitality reveals emergent pattern formation of Australian fairy circles	21-3 Y Dorji: Response of internal architecture of beech trees to intra and interspecific competition

Time								Wednesday, 11 September 2019							
		Fürstenberghaus			Juridicum										
		F1	F2	F5	JUR1	JUR2	JUR3	JUR4							
		Session 19 (cont.) Enticing farmers for ecological intensification T Fijen, D Kleijn, M Albrecht	Panel discussion (cont.) FAIR data principles A Ostrowski, R Gerlach, J Nieschulze, B König-Ries	Session 28 (cont.) Dynamic ecosystems S Fink, K Ludewig	Session 24 (cont.) Molecular biodiversity & interaction assessment J Tiede, A Keller, B Eitzinger	Session 26 (cont.) Remote Sensing H Feilhauer, D Doktor	Session 21 (cont.) Forest Ecology - methods & management strategies F Huth, M Bredemeier	Session 23 (cont.) Plant populations across space & time SF Bucher, JF Scheepens, C Lampei, J Metz							
10:40	19-4 G Tamburini: Agricultural diversification supports biodiversity and multiple ecosystem services without compromising yields	Panel discussion (cont.)	28-4 B Mouslim: Effect of climate change on the water birds dynamics: study case of Garaet Hadj Tahar (Algeria, occidental Numidia)	24-4 R Korn: Drivers of structure and dynamics of communities in natural microcosms	26-4 CIB Wallis: Modeling tropical montane biodiversity: potential and limitations of multispectral data	21-4 L Heidrich: On species diversity in forests: revisiting the habitat-heterogeneity hypothesis in a multi-taxon approach	23-4 B Díez Rodríguez: Epigenetic variation in <i>Populus nigra italica</i> clones along climatic and geographical gradients								
10:55	19-5 FA Boetzi: Adjacent agri-environmental schemes and landscape context shape distance functions for natural pest control in cereal fields	FAIR data principles in the scientific publication and funding processes: expected implications for researchers	28-5 N Lenzewski: Long-term vegetation changes due to loss of tidal influence at the Dove Elbe River in Hamburg (Germany)	24-5 J Harjes: Optimizing work- and dataflow for microarray hybridization and high-throughput amplicon sequencing to detect phytopathogenic fungi in orchards using internal transcribed spacer sequences	26-5 M Lange: Remote Sensing based estimation of land-use intensity in grasslands	21-5 S Heinrichs: The effect of tree species mixtures with European beech on biodiversity of plants, bryophytes and lichens at the landscape scale	23-5 A Malyshev: Once first always first: explaining the large variation in spring leaf phenology in one forest stand of <i>Fagus sylvatica</i>								

	Session 19 (cont.)	Panel discussion (cont.)	Session 28 (cont.)	Session 24 (cont.)	Session 26 (cont.)	Session 21 (cont.)	Session 23 (cont.)
11:10	19-6 M Dainese: Effectiveness of hedgerows for promoting biodiversity and ecosystem services in Mediterranean farmlands	Panel discussion (cont.) FAIR data principles in the scientific publication and funding processes: expected implications for researchers	28-6 S Nolte: A perfect Storm – Effects of extreme hydrodynamic forcing on tidal marsh vegetation	24-6 V Vikuk: Epichloë endophytes in cool season grass species in Germany	26-6 H Feilhauer: The return of the fuzzy – ups and downs of remote sensing based mapping approaches for natural vegetation	21-6 P Meyer: How to pile up oranges - the ambiguous role of science in the dispute over naturally developing forests in Germany	23-6 J Bieberich: Invasive <i>Impatiens glandulifera</i> : micro-habitat preferences and impact on native vegetation
11:25	19-7 M Albrecht: Do wildflower plantings enhance crop pollination and pest control services? A quantitative synthesis on effectiveness, drivers and impacts on crop yield		28-7 D Lamonica: Growth-competition model of newly established forest patches	24-8 L Leidinger: Genetic traits affect the occurrence and speed of island radiations - insights from an individual-based model	26-7 V Döpfer: When soils thaw: Determining the active layer depth in interior Alaska by applying floristic gradient mapping	21-7 A Mölder: Integrative management to sustain biodiversity and ecological continuity in Central European oak forests	23-7 F Gerken: Inbreeding reduces phenotypic plasticity in the response to waterlogging in <i>Mimulus guttatus</i>
11:40	19-8 J Scheper: Reducing grassland land use intensity promotes pollination and yield of adjacent sunflower crop fields, but economic benefits do not outweigh opportunity costs		General discussion	General discussion	26-8 D Basler: Emerging near-surface remote sensing methods for the assessment of the phenology of thousands of individual trees	21-8 J Müller: Primary determinants of community composition vary among taxa in a brown food web	23-8 F Schurr: Macrodemography - how large-scale demographic variation depends on functional traits and environmental conditions
11:55	Lunch break						

Time		Wednesday, 11 September 2019					
12:55	F1: Keynote by Andrew Dobson: Group Living and Infectious Diseases						
13:50	Transition time						
	F1	Fürstenberghaus F2	F5	JUR1	Juridicum JUR2	JUR3	JUR4
	Session 20 Agroecology C Scherber, T Tschardtke	Session 29 Citizen Science in Ecology D Dörler, F Heigl	Session 22 Global change experiments M Arend, N Ruehr, J Kreyling	Session 24 (cont.) Molecular biodiversity & interaction assessment J Tiede, A Keller, B Eitzinger	Session 27 Movement ecology U Schlägel, J Signer	Session 21 (cont.) Forest Ecology - methods & management strategies F Huth, M Bredemeier	Session 23 (cont.) Plant populations across space & time SF Bucher, JF Scheepens, C Lampei, J Metz
14:00	20-1 T Tschardtke: Certification of biodiversity-friendly farming needs a landscape perspective	29-1 D Bowler: Occupancy-Detection Models for Opportunistic Citizen Science: an example with German Dragonflies and simulation experiments	22-1 I Nijs: End-of-season senescence in grassland species can be traced to leaf temperature during preceding extreme summer drought	24-9 B Peters: Intensified land-use correlates with loss of pollen diversity and nutritional quality of larval provisions in solitary bees	27-1 C Fischer: Movement of Afrotropical birds across a habitat mosaic: functional traits explain responses to land-use change better than species identity	21-9 T Thrippleton: Projecting forest dynamics across Europe: potentials and pitfalls of empirical mortality algorithms	23-9 H Cooksley: How functional traits shape resource allocation and life histories of woody plants
14:15	20-2 N Beyer: The cultivation of faba beans increases bumblebee abundances at landscape scale	29-2 W Heim: Combining citizen science and tracking data to reveal the migration routes of Eastern Palaearctic songbirds	22-2 R Weigel: Ecosystem processes show uniform sensitivity to winter soil temperature change across a continental gradient of temperate forests	24-10 B Eitzinger: Metabarcoding of gut content indicates which factors shape predatory interactions along environmental gradients	27-2 A Bijleveld: Individual differences in movement strategies of free-living Red Knots	21-10 O Košulič: Can an invasive species (<i>Hymenoscyphus fraxineus</i>) enhance spider and ground beetle diversity in commercial ash plantations? Not really!	23-10 H Einzmann: Long-term change in epiphyte populations and communities

	Session 20 (cont.)	Session 29 (cont.)	Session 22 (cont.)	Session 24 (cont.)	Session 27 (cont.)	Session 21 (cont.)	Session 23 (cont.)
14:30	20-3 F Klaus: Complementarity vs selection: Is flowering plant diversity or identity more important for the reproductive success of solitary wild bees?	29-3 MS McKee: Teaching ecology in times of global crises	22-3 C Kiene: Does higher nutrient availability reduce drought resistance in grassland species? - Insights from a global change experiment	24-11 C Wallinger: Species specific identification of weed seed food of carabids in cereal fields	27-3 SA Gordine: The importance of Southern Ocean frontal systems for the improvement of body condition in southern elephant seals	21-11 NK Simons: Costs and benefits of active deadwood restoration: short-term effects on biodiversity and ecosystem functions in an experimental setup	23-11 I Giladi: Reduced seed dispersal at range margins of an ant-dispersed plant
14:45	20-4 R Marja: Crop rotation determine bumblebee communities via flower resources	29-4 A Deggelmann: Flora Capture - A Citizen Science Approach to Collect Plant Picture Data	22-4 SL Rojas Botero: Effects of extreme weather events, competitive hierarchy, and propagule pressure on the invasion of <i>Solidago gigantea</i> in experimental grasslands	24-12 K Heer: The interplay of plant life-history traits and foraging behavior of tamarins affect seed dispersal distances and spatial genetic structure in two Neotropical tree species	27-4 CA Gaitán: Visitation of jaguars to seasonal ponds during dry season in a Tropical forest	21-12 L Hertzog: You cannot dance at two weddings: managing trade-offs in forest multifunctionality and multidiversity	23-12 K Kober: Trait means or coefficients of variation - what determines species local and regional abundance in dry grasslands?
15:00		29-5 RM Krug: MetaData can be easy!	Foyers: Coffee break until 15:30 LWL LWL Museum: Poster session & coffee break until 16:20				

Time								Wednesday, 11 September 2019							
Fürstenberghaus			Juridicum												
F1	F2	F5	JUR1	JUR2	JUR3	JUR4									
Session 20 (cont.)	Session 30	Session 22 (cont.)	Session 25	Session 27 (cont.)	Session 21 (cont.)	Session 23 (cont.)									
Agroecology	Atmospheric interfaces of terrestrial biota	Global change experiments	Multitrophic interactions	Movement ecology	Forest Ecology - methods & management strategies	Plant populations across space and time									
C Scherber, T Tschamtkke	J Burkhardt, A Roth-Nebelsick	M Arend, N Ruehr, J Kreyling	D Ott, M Jochum	U Schlägel, J Signer	F Huth, M Bredemeier	SF Bucher, JF Scheepens, C Lampei, J Metz									
16:20	20-5 P Batary: Flower strips and organic farming support biological pest control and pollination differently along a gradient in landscape configurational heterogeneity	30-1 MM Lehmann: New insights into isotope uptake and allocation processes from a multi-isotope labeling study in a Swiss dry pine forest	22-5 VH Klaus: Resistance and resilience of arable cropping systems in response to severe drought	25-1 LM Ohler: Microbe-assisted vegetation cover to reduce erosion in alpine environments – concept and first results	27-5 J Calabrese: How range residency and long-range perception change encounter rates	21-13 MJ Nzau: Applicability of participatory forest management: Lessons from an East African biodiversity hotspot	23-13 LJ Hartmann: Trait plasticity in a Mediterranean annual grass decreases with rising rainfall variability but increases with environmental productivity								
16:35	20-6 T Frank: Agrobiodiversity: abandonment of mountainous grasslands and establishment of lowland grasslands	30-2 B Breuer: Bidirectional fog droplet fluxes	22-6 R Schweiger: Effects of combined long-term drought and warming on leaf metabolites of <i>Plantago lanceolata</i>	25-2 C Graham: Different strategies for hummingbirds and plants in hummingbird-lant interactions	27-6 J Signer: Investigating space use of animals: A simulation-based approach	21-14 T Suliman: Optimizing the management of Calabrian pine (<i>Pinus brutia T</i>) stands in Syria based on individual-tree models	23-14 C Lampei: Plasticity is not enough: escaping from drought requires evolution								
16:50	20-7 A Hass: Alternating annual and biennial flower fields – an effective measure for promoting farmland biodiversity?	30-3 A Roth-Nebelsick: The velamen radicum of epiphytic orchids: structure and water absorption	22-7 M Schädler: Belowground communities under climate change - the role of land use	25-3 L Argens: The food choice of the marine herbivorous gastropod <i>Conomurex persicus</i> (Swainson 1821) stays consistent during an experimental heat wave	27-7 W Ullmann: The secret life of wild animals revealed by accelerometer data: How landscape diversity and seasonality influence the behaviour of European hares	21-15 R Tchifo Lontsi: Soil-atmosphere exchange of greenhouse gases following conventional selective logging and reduced-impact logging in a Congo Basin rainforest of Cameroon	23-15 J Metz: Rapid adaptive evolution in a large-scale climate change experiment								

	Session 20 (cont.)	Session 30 (cont.)	Session 22 (cont.)	Session 25 (cont.)	Session 27 (cont.)	Session 21 (cont.)	Session 23 (cont.)
17:05	20-8 T Diekötter: Wildflower strips as an integral part of multifunctional agricultural landscapes – synthesizing a potpourri of empirical knowledge	30-4 A Milcu: The global worming: do earthworms increase greenhouse gas emissions ?	22-8 L Korell: Climate effects on biodiversity depend on spatial grain, local climate and magnitude of the experimental manipulation	25-4 R Bucher: Predator-predator naïveté between native ants and the invasive ladybeetle <i>Harmonia axyridis</i> in Europe	27-8 CM Buchmann: Mammal body acceleration and epizoochory – what can we learn from wildlife collar data?	21-16 T Mette: Surveying forest damage after extreme droughts	23-16 P Dietrich: How does biodiversity loss affect the response of plant species to global change?
17:20	20-9 Y Fabian: Landscape management of nocturnal wildlife by flower fields and hedgerows	30-5 FX Sladeczek: Does the succession of dung-emitted volatile compounds structure the succession of dung-inhabiting beetles and flies?	22-9 M Herberich: Stability of semi-natural ecosystems under drought – separating resistance and resilience mechanisms	25-5 M Jochum: Responses of forest soil fauna communities to invasion of exotic earthworms	27-9 S Goossens: Movement on an empty stomach: Aerial dispersal as a threshold response in the two spotted spider mite (<i>Tetranychus urticae</i>) and the consequences for competition	21-17 B Henneberg: Diversity of saproxylic arthropod communities in tree hollows with regard to forest and landscape structure	23-17 AM Madaj: Predicting evolutionary dynamics of plant species in response to climate change
17:35	<i>Transition time</i>						
17:45	F1: GfÖ General meeting						
19:00	Jovel: Conference dinner						
22:00	Jovel (until 01:00): Club night - free admission!						

Thursday, 12 September 2019						
08:30	F1: Keynote by Nancy Schellhorn: Searching for the win-win of sustainable food production: habitat conservation and landscape scale pest management					
09:25	Foyers & LWL Museum: Coffee break					
	F1	Fürstenberghaus F2	F5	JUR1	Juridicum JUR3	JUR4
	Session 31 Traits, networks, and ecosystem functioning M Moretti, C Graham, M Dehling	Session 34 Biodiversity monitoring schemes J Dauber, P Dieker, E Knop	Session 20 (cont.) Agroecology C Scherber, T Tscharnke	Session 39 Tree-associated microbes K Goldmann, J Moll	Session 36 Grasslands N Blüthgen, N Simons	Session 38 Scale, stability, and coexistence AT Clark, Y Zelnik
09:55	31-1 N Farwig: Reward regulation in plant-frugivore interactions: the role of fruit and bird traits	34-1 S Bae: Mapping forest biodiversity of tiny organisms from space is not a vision any more	20-10 C Scherber: Farming for the future: Approaches to reconcile biodiversity and production in European farming systems	39-1 J de Dieu Habiyaremye: Soil microbial community of the tree root zone is impacted by both host tree selection effect and site specificity	36-1/2 J-Y Humbert: Larval and phenological traits predict insect community response to mowing regime manipulations	38-1/2 JF Arnoldi: On the stability of complex ecological systems: moving across and within stability concepts
10:10	31-2 L Ledru: How adaptive is adaptive foraging ?	34-2 K Ecker: Advanced sampling strategy for monitoring agricultural species and habitats in Switzerland	20-11 M Lang: Effects of farming practice on the establishment of rare arable plant species in different three-year crop rotations	39-2 A Prinzing: What drives evolution of mycorrhiza symbiosis in oaks (<i>Quercus petraea</i>)?		
10:25	31-3 J Fründ: A global synthesis of Hymenoptera trap nest studies: how host-parasitoid food webs change with plant diversity	34-3 D Fuchs: Establishing a Germany-wide monitoring scheme of habitat types	20-12 L Sutcliffe: Arable weed diversity in intensive agricultural landscapes: does scale matter?	39-3 K Goldmann: Early stage root-associated fungi show a high temporal turnover, but are independent of beech progeny	36-3 F Straub: Effects of land-use stress and pesticides on the chemical communication of wild bees	38-3 C Jacquet: Stability of complex ecosystems: theory against data
10:40	31-4 A Neu: Resource availability shapes the spatiotemporal dynamics of plant-pollinator interaction networks	34-4 S Butschkau: DNA metabarcoding - Genetic identification of species and its implications for a biodiversity monitoring 20 in the digital age	20-13 I Grass: Trade-offs between multifunctionality and profit in tropical smallholder landscapes	39-4 DO Okach: Altitudinal variation and tree composition drive heterogeneity of soil fungal communities in a temperate forest in the State of Bavaria - Germany	36-4 S Heinz: Do Agri-Environment Schemes Increase Species Diversity in Grassland? - Long Term Development of Managed Grassland	38-4 D Hodapp: Spatial scaling of stability in natural communities

	Session 31 (cont.)	Session 34 (cont.)	Session 20 (cont.)	Session 39 (cont.)	Session 36 (cont.)	Session 38 (cont.)
10:55	31-5 M Pereira-Peixoto: Exotic garden plants substitute native plants as resources for pollinators when native plants become seasonally scarce without altering functional network structure	34-5 H Burger: Monitoring scheme to study wild bee diversity in the project BienABest	20-14 D Ganser: Wildflower strips enhance wild bee reproductive success	39-5 LD Prada Salcedo: Fungal communities and soil functionality respond rather to tree traits than to tree species richness in European forests	36-5 B Tóthmérész: Resistance of loess steppe fragments to native woody encroachment	38-5 V Domínguez-García: Measuring the stability of ecological communities
11:10	31-6 R Michalko: The reforestation type alters predator-prey interactions in understories of tropical forests	34-6 G Lüscher: Community completeness – a promising aspect of biodiversity used for monitoring	20-15 U Hamer: Soil microbial indicators for the assessment of temporal diversification in agroecosystems	39-6 J Lu: The impact of planting Douglas-fir in Central Europe on microbial biomass and community structure	36-6 J Kamp: The impact of large-scale agricultural change on biodiversity and ecosystem processes across the Eurasian steppes	38-6 S König: Functional stability in soil ecosystems - Insights from the microscale modelling perspective
11:25	31-7 F Neff: Plant-herbivore interaction networks change along land-use intensity gradients in forest and grassland systems	34-7 A Bonn: Effective biodiversity monitoring needs integration	20-16 D Schilling: The influence of habitat, colony density and nest marking on Northern Lapwing (<i>Vanellus vanellus</i>) nest survival in an industrial agricultural landscape	39-7 A Zarkov: Effects of Forest Management and Fungal Community Dynamics on Deadwood Decomposition in Temperate Woodlands	36-7 E Slabbert: Scale-dependent impact of land management on above- and belowground biodiversity	38-7 C Meyer: Towards “strategic theory-building” addressing ecological dynamics in the Anthropocene
11:40	31-8 HD Li: The functional roles of species in metacommunities, as revealed by metanetwork analyses of bird-seed dispersal networks	Plenary discussion: Innovative methods in biodiversity monitoring	20-17 V Rösch: Effects of food availability, vegetation and landscape structure on woodlark <i>Lullula arborea</i> in vineyards	39-8 J Moll: Deadwood-based fungal and prokaryotic networks are highly modular and specialized	36-8 A Rindisbacher: Effects of land-use and biodiversity on ecosystem resilience - a meta-analysis of manipulative experiments in German grasslands	38-8 Y Zelnik: Utilizing the scale of disturbances
11:55	31-9 A Lázaro: Linking species-level network metrics to flower traits and plant fitness	Lunch break				

Thursday, 12 September 2019						
Time	F1	Fürstenberghaus F2	F5	JUR1	Juridicum JUR3	JUR4
	Session 31 (cont.) Traits, networks, and ecosystem functioning M Moretti, C Graham, M Dehling	Session 34 (cont.) Biodiversity monitoring schemes J Dauber, P Dieker, E Knop	Session 32 European plant-pollinator communities D Rakosy, A Thompson	Session 40 Tree interactions affect ecosystem functioning S Trogisch, X Liu, G Rutten, H Bruelheide	Session 36 (cont.) Grasslands N Blüthgen, N Simons	Session 38 (cont.) Scale, stability, and coexistence AT Clark, Y Zelnik
12:55	31-10 LF Bersier: The matching-centrality decomposition and network forecasting	34-9 K Pascher: Challenges of settings and financial constraints for biodiversity monitoring schemes in farmland	32-1 R Tropek: Influence of spatio-temporal variability of nectar rewards on plant-pollinator networks in Central European wet meadows	40-1 MD Perles-Garcia: Spatio-temporal dynamics of individual-tree crown plasticity as affected by local neighbourhood interaction in BEF-China	36-9 M Freitag: Increasing plant diversity in agriculturally used grasslands via disturbance and seeding	38-9/10 T Wiegand: Towards a spatial coexistence theory for species rich communities
13:10	31-11 M Pichler: Machine learning can infer trait matching and predict species interactions in ecological networks	34-10 M Wiemers: Successful long-term engagement in a Citizen Science project - lessons from 14 years of the German Butterfly Monitoring Scheme	32-2 A Kovács-Hostyánszki: Pollinator communities and flower-visitation networks in a traditional low-intensity agricultural system and their vulnerability to honeybee loss	40-2 FJ Bongers: Stronger species than within-species genotypic richness effects on tree demography in species diverse tree experiment due to trait variation	36-10 MT Bleicher: How can grassland management help to reduce a poisonous plant without jeopardising biodiversity?	
13:25	31-12 RP Rohr: How a mechanistic approach can predict the temperature increases effect on the biodiversity-ecosystem functioning relationship	34-11 H Kappes: Bridging Agricultural and Forest Biodiversity Monitoring in Germany	32-3 M Georgi: Game meadows – a forgotten habitat for pollinator communities? Early mulching impairs hoverflies as key flower visitors on game meadows of the Black Forest	40-3 A Davrinche: Neighborhood species diversity affects leaf trait variation at inter-specific and intra-specific scales	36-11 TA Lehmailr: Don't judge a book by its cover - Genetic and epigenetic variation among populations of <i>Trifolium pratense</i> from contrasting habitats	38-11 L Hülsmann: Do dynamic estimates of conspecific negative density dependence correlate with global diversity patterns?

	Session 31 (cont.)	Session 34 (cont.)	Session 32 (cont.)	Session 40 (cont.)	Session 36 (cont.)	Session 38 (cont.)
13:40	<p>31-13 J Häussler: A Bayesian network approach to trophic metacommunities: habitat loss accelerates top species extinction rates in fragmented landscapes</p>	<p>34-12 A Krüß: Nationwide biodiversity monitoring in Germany - status and perspectives</p>	<p>32-4 E Motivans: Heterogeneous habitats promote diverse plant-pollinator interactions in Estonia</p>	<p>40-4 T Proß: Within-individual leaf trait variation in a tropical rain forest biodiversity-ecosystem functioning experiment</p>	<p>36-12 S Höckendorff: Does the effect of nutrient addition and competition differ between stable and declining species from Molinia meadows of the Lower Lake Constance area – a garden pot experiment</p>	<p>38-12 C Karakoç: Diversity and stability are directly linked to fluctuating species interactions in a predator-prey system</p>
13:55	<p>31-14 B Schwarz: Structure and dynamic of plant-pollinator networks depend on the temporal scale of data aggregation</p>	<p>34-13 P Dieker: Biodiversity monitoring schemes and indicators – challenges and feasibilities</p>	<p>32-5 D Rakosy: The influence of management practices on plant-pollinator interactions in Central Europe - a case study</p>	<p>40-5 J Connolly: The influence of species identity effects on functional responses in mixtures</p>	<p>36-13 E Remke: Improvement of mesotrophic grasslands in The Netherlands</p>	<p>38-13 AT Clark: A more generalizable approach to scale-wise analysis of stable coexistence, or, Chasing the Dragon, and two other methods</p>
14:10	<p>Plenary discussion: Challenges and lessons learned</p>		<p>Foyers: Coffee break until 14:40 LWL Museum: Poster session & coffee break until 15:20</p>			

Thursday, 12 September 2019						
Time	Fürstenberghaus			JUR1	Juridicum	JUR4
	F1	F2	F5	JUR1	JUR3	JUR4
	Session 31 (cont.) Traits, networks, and ecosystem functioning M Moretti, C Graham, M Dehling	Session 37 Wildlife Detection Dogs in science and practice A Berger, J Röder	Session 33 Predictors of microbiomes S Geisen, M Thakur	Session 40 (cont.) Tree interactions affect ecosystem functioning S Trogisch, X Liu, G Rutten, H Bruelheide	Session 35 Means vs extremes T Mette, W Falk	Session 38 (cont.) Scale, stability, and coexistence AT Clark, Y Zelnik
15:05					35-1 H Bugmann: Australian aquatic fauna in European mountain forests: black swans (<i>Cygnus atratus</i>) are coming	
15:20	31-15 MM Gossner: Relationship between habitat availability, insect trait-composition and leaf decomposition in water-filled tree holes	37-1/2 R Cristescu: Sniffing out solutions to enhance conservation: How detection dogs can maximise research and management outcomes, some lessons learnt through working with detection dogs for koalas	33-1 S Geisen: Microbiomes: State-of-the-art and future challenges	40-6 D Matevski: Tree diversity effects on arboreal spider communities in a European forest experiment	35-2 H Hartmann: No easy answers for complex questions - lessons from a decade of intense research on ecophysiological responses of trees to extreme drought	38-14/15 F Taubert: Dynamics of grasslands and forests - integrating vegetation modeling, remote sensing and observations
15:35	31-16 S Fontana: Trait-based interactions across trophic levels drive leaf litter decomposition		33-2 S Schmidt: Groundwater ecosystem functioning in a central European floodplain	40-7 S Berthelot: Exotic tree species protects better than biodiversity against bark beetle infestation	35-3 S Rubanschi: Quantifying spatial patterns of forest resilience to local drought stress using NDVI and defoliation data across Europe	

	Session 31 (cont.)	Session 37 (cont.)	Session 33 (cont.)	Session 40 (cont.)	Session 35 (cont.)	Session 38 (cont.)
15:50	31-17 M Dehling: Do specialists contribute more to functional diversity and ecological processes?	37-3 A Grimm-Seyfarth: Advantages and Limitations of wildlife detection dogs – a case study and a review	33-3 P Gaube: Floral microbiomes are species specific, but also influenced by land-use intensity	40-8 A Schuldt: Structural and functional diversity of tree communities drive arthropod diversity in subtropical forests	35-4 M Arend: Impact of the extreme summer drought 2018 on the physiological integrity of European tree species	38-16 F Pennekamp: Temperature effects on ecological stability across scales of ecological organization
16:05	31-18 C Scherber: A network perspective on biodiversity effects in real-world farming systems	37-4 L Hollerbach: Nose, eyes and ears: Method comparison for monitoring a wolf pack in an alpine region	33-4 M Thakur: Legacy of an extreme climatic event persists for multi-generations in microbial communities	40-9 H Lin: How do litter species identity and richness affect litter mixture decomposition via modifying fungal decomposers?	35-5 MAS Arfin Khan: Ecological impacts of climatic extreme events: Heavy rainfall has clearer effects on grassland ecosystem functioning than drought	38-17 M Herberich: Unknown buffers – which facets of biodiversity stabilize natural plant communities against extreme droughts?
16:20	Synthesis, feedback, discussion	37-5 U Kielau: Tell Me if it was a Wolf!?! Dogs as a supplementary tool for the on-site confirmation of wolf (<i>Canis lupus</i>) suspects in Schleswig Holstein	33-5 A Potapov: Studying interactions between fauna and microorganisms to understand soil functioning	40-10 G Rutten: Leaf traits affect foliar fungal richness and infestation in a subtropical tree community	35-6 N Stanik: Immediate plant trait and community response to extreme drought indicate high sensitivity and performance advantages in montane Nardus grasslands	General discussion
16:35	<i>Transition time</i>					
16:45	F1: GfÖ Award session					
17:45	F1: Closing address					
18:15	<i>Transition time</i>					
19:00	Botanical garden guided tour					