

SESSION SCHEDULE (24.08.10)

Session	Monday	Tuesday		Wednesday				Thursday			
	16:15- 17:30	9:15- 10:30	14:00- 15:15	16:30- 17:45	9:15- 10:30	11:00- 12:15	14:00- 15:15	16:30- 18:15	9:15- 10:30	11:00- 12:15	14:00- 15:45
1. <i>Drylands as model ecosystems</i>											
2. <i>Aquatic ecosystems & wetlands</i>											
3. <i>Biodiversity, function & stability of forests*</i>											
4. <i>High mountains biodiversity</i>											
5. <i>Soil biota & global element cycles</i>											
6. <i>Landscape ecology & biogeography</i>											
7. <i>Plant population ecology</i>											
8. <i>Plant invasion</i>											
9. <i>Latitudinal & altitudinal gradients</i>											
10. <i>Climate change effects</i>											
11. <i>Animal evolution & survival</i>											
12. <i>Future of pollination services</i>											
13. <i>Trophic levels</i>											
14. <i>Niche dynamics</i>											
15. <i>Land use, biodiversity & processes</i>											
16. <i>Man-made habitats</i>											
17. <i>Indicators of species diversity</i>											
18. <i>Remote sensing</i>											
19. <i>Modeling of complex systems</i>											
20. <i>Complexity in functional biodiversity research</i>											
21. <i>Biodiversity & Society</i>											
22. <i>Science-policy interface</i>											
23. <i>Ecological risks</i>											
24. <i>Nature conservation</i>											
25. <i>Conservation in mammals</i>											
*additional Co-Chair requested											

SESSION SCHEDULE (24.08.10)

1) Drought, stress, variability, adaptation: Drylands as model ecosystems (Anja Linstädter & Karsten Wesche)

Scheduled: Monday 16h15 – Tuesday 10h30

ORALS

1. **The dispersal-dormancy trade off in dryland annuals - putting model predictions to a test**
Katja Tielbörger, Wolfgang Siewert
2. **Effect of plant-plant interactions on phylogenetic structure of a Mediterranean plant community along an aridity gradient**
Raúl García Camacho, Johannes Metz, Katja Tielbörger
3. **Vegetation border lines in arid areas depending on topography and surface processes**
Sarah Christine Strähl
4. **Zonal or azonal? The contribution of termite mounds as microhabitats for the floristic diversity of West Africa Savannas**
Arne Erpenbach, Karen Hahn-Hadjali, Rüdiger Wittig
5. **Plant species responses to grazing and climate manipulations along the Jordan River Valley**
Mark Bilton, Johannes Metz, Sara Bangerter, Katja Tielbörger
6. **Dryland pastures: How to find indicators in a highly variable system?**
Anja Linstädter, Gisela Baumann
7. **Rain-use efficiency: A concept revisited. Recent challenges and possible approaches**
Jan Ruppert, Anja Linstädter
8. **Modelling livestock numbers in the Gobi desert: responses to variation in climate and productivity**
Karsten Wesche, Henrik von Wehrden, Petra Kaczensky
9. **The role of key resources to ensure sustainable range management - a modeling study**
Romina Drees, Birgit Müller, Karin Frank, Anja Linstädter
10. **Benefits of pattern oriented parameterisation for generic models with an example from semi-arid rangeland management**
Oliver Jakoby, Volker Grimm, Martin F. Quaas, Karin Frank

POSTER

- 1.1. **Impact of *Retama raetam* and biological soil crust cover on the distribution of nutrients in a semiarid dune ecosystem, NW Negev**
Sylvie Drahorad, Peter Felix-Henningsen
- 1.2. **Response of dryland natural vegetation to simulated change of climate and land use**
Katja Geißler, Martin Köchy, Florian Jeltsch
- 1.3. **Feedbacks between vegetation and hydrology with a special view on extreme events in Israel**
Stefanie Prange, Katja Geißler
- 1.4. **Plant biodiversity and phylogenetic diversity patterns of the southern Mongolian Gobi**
Jan Treiber, Henrik von Wehrden, Jan Hanspach, Jürgen Kluge, Karsten Wesche



- 1.5. **Effects of the savanna woody species *Acacia mellifera* and *Tarchonanthus camphoratus* on soil chemistry**
Juliane Trinogga, Kerstin Wiegand, David Ward, Sabine Reinsch, Jana Schleicher, Ingo Schöning
- 1.6. **Response of chlorophyll fluorescence, photosynthesis and transpiration in *Robinia pseudoacacia* L. to drought stress**
Maik Veste, Wolf-Ulrich Kriebitzsch



2) Biodiversity of aquatic ecosystems and wetlands (Jürgen Marxsen, Stefan Hotes & Elisabeth Pohlen)

Scheduled: Tuesday 9h15 – 17h45

ORALS

1. **Spatial and temporal variations of deep-sea bacterial diversity at the Arctic long-term observatory HAUSGARTEN**
Marianne Jacob, Alban Ramette, Thomas Soltwedel, Michael Klages, Antje Boetius
2. **Effect of seawater acidification on microbial community diversity – lessons from natural CO₂ leaks**
Judith Neumann, Alban Ramette, Matthias Haeckel, Dirk deBeer, Fumio Inagaki, Antje Boetius
3. **Role of seed bank and vegetative growth in re-colonization of gaps in Baltic salt grassland vegetation**
Kristin Ludewig, Antonia Wanner, Kai Jensen
4. **Large lakes of Holarctic as donors and recipients of aquatic invasions**
Nina Bogutskaya, Marina Orlova
5. **Why does restoration of aquatic macrophytes fail? A case study on *Potamogeton malaianus* at Lake Kasumigaura, Japan**
Stefan Hotes, Jun Nishihiro, Izumi Washitani
6. **Use of cross-taxon congruence analysis to identify potential surrogate taxa for freshwater biodiversity**
Margherita Gioria
7. **Quantifying the simultaneous effects of multiple pressures on the biodiversity of agricultural ponds to obtain an integrated indicator**
Taku Kadoya, Munemitsu Akasaka, Takashi Aoki, Noriko Takamura
8. **Assessing responsible species traits for local extinction of aquatic macrophytes: Impact of urbanization and bank protection**
Munemitsu Akasaka, Shinsuke Higuchi, Mitsunashi Hiromune, Takamura Noriko, Kadono Yasuro
9. **Rhizosphere dynamics of 3 riparian plant species from TGR water fluctuation zone – A floodable rhizobox as an approach to observe oxygen, pH and soil solution properties in high resolution**
Christina M. Schreiber, Ulrich Schurr, Bo Zeng, Agnes Höltkemeier, Arnd J. Kuhn
10. **Longitudinal distribution of riparian vegetation in a Chinese temporary stream**
Chen Xiu, Mathias Scholz, Christiane Ilg, Zhiyun Ouyang
11. **A trait-based method to assess pesticide effects on freshwater communities and to evaluate the efficiency of buffer strips for mitigation**
Mira Kattwinkel, Jeanette Völker, Dietrich Borchardt, Matthias Liess
12. **Changes of plant diversity in riparian grassland after extreme hydrologic events – A case study at the Elbe, Germany**
Franziska Konjuchow, Peter J. Horchler, Judith Glaeser, Christiane Ilg, Eva Mosner, Mathias Scholz
13. **Reaction of carabid beetles to the extreme summertime flood event of the river Elbe in 2002**
Veronica Agostinelli, Michael Gerisch, Frank Dziock
14. **Simulating the population dynamics of *Corbicula fluminea* under varying environmental conditions – An energy budget based approach**
Gunnar Petter, Otto Richter, Sylvia Moenickes



15. 15 MIN DISCUSSION TIME

POSTER

- 2.1. **Habitat mapping in the german Wadden Sea**
Ina Bruening, Dietmar Kraft
- 2.2. **Ship-induced waves alter the macrozoobenthos community composition of the Havel River by favouring neozoa**
Friederike Gabel, Xavier-Francois Garcia, Martin Pusch, Norbert Walz
- 2.3. **Habitatverlust von Auenwiesen in Norddeutschland seit den 1950er Jahren**
Benjamin Krause, Heike Culmsee, Karsten Wesche, Erwin Bergmeier, Christoph Leuschner
- 2.4. **Men induced long term vegetation changes in the Ciénaga Grande de Santa Marta (Colombia)**
Marie-Luise Schnetter, Marina Röderstein, Laura Perdomo, Carlos Villamil
- 2.5. **Characterization of temporary ponds situated on alluvial fans in the Csík Basin (Eastern Carpathians, Romania)**
László Demeter, Anna-Mária Csergő, Gabriella Péter, Edina Miklós, Éva György
- 2.6. **Estimating the effect of global change on riverine carbon dynamics – an Amazon case study**
Fanny Langerwisch, Anja Rammig, Kirsten Thonicke, Wolfgang Cramer
- 2.7. **Vegetation of floodplain meadows along the climatic gradient at the Middle Elbe river**
Lotte Korell, Kristin Ludewig, Franziska Konjuchow, Mathias Scholz, Kai Jensen
- 2.8. **Following the footsteps of the zebra mussel – a new freshwater mussel alarms Europe**
Katharina C. M. Heiler, Sascha Brandt, Christian Albrecht and Thomas Wilke



3) Biodiversity, function and stability of forests (Annett Wolf, Anja Rammig & Fanny Langerwisch)

Additional session chair for the talks 18-24 required

Scheduled: Wednesday 09h15 – Thursday 10h30

ORALS

1. **TRY - a global database of plant functional traits**
Jens Kattge, Gerhard Bönisch, Sandra Diaz, Sandra Lavorel, Paul Leadley, Colin Prentice
2. **Effect of forest cover continuity over time on plant species diversity and composition in a Mediterranean area**
Valerio Amici, Giovanni Bacaro, Francesco Geri, Elisa Santi, Alessandro Chiarucci
3. **Life from related scales of investigation in mountain forests**
Michael Rudner, Frank Bode, Melanie Manegold
4. **Pattern and process of large-scale tree mortality waves in the mountains of the SW United States**
Harald Bugmann, Alison Macalady
5. **May climate change driven ENSO droughts affect forest stability in Southeast Asia?**
Bernhard Schuldt, Gerald Moser, Michael Köhler
6. **Water relations of mature *Picea abies* under future CO₂ concentrations**
Sebastian Leuzinger, Roman Zweifel, Martin Bader, Christian Körner
7. **Interaction between Douglas fir and European beech**
Martin Haßdenteufel, Willy Werner, Frank M. Thomas
8. **Neighbourhood relations and influence of diversity and sloping terrain in a subtropical Chinese forest**
Anne Christina Lang, Werner Härdtle, Goddert von Oheimb
9. **Repeller, attractor and neutral tree species in tropical rain forests**
Andreas Huth, Thorsten Wiegand, C. V. Salvitri Gunatilleke, I. U.A. Nimal Gunatilleke
10. **Multi-scale spatial genetic structure of an understory shrub in subtropical evergreen broad-leaved forest**
Xueqin Zeng, Walter Durka
11. **Forest regeneration dynamics in differently disturbed South African scarp forests**
Alexandra Botzat, Lena Fischer, Nina Farwig
12. **Successional stages and species-specific traits influences on the response of old-growth temperate rainforests to climate change**
Alvaro G. Gutierrez, Andreas Huth
13. **The significance of intraspecific trait variability in modelling forest growth**
Klara Dolos, Björn Reineking
14. **Constant functional diversity during secondary succession of a subtropical forest in China**
Martin Böhnke, Wenzel Kröber, Erik Welk, Christian Wirth, Helge Bruelheide
15. **Estimation of biomass and NPP in Tugai Forests of Central Asia**
Allan Buras
16. **Productivity of trees in deciduous temperate forests related to different climatic conditions**
Mascha Jacob, Frank M Thomas, Christoph Leuschner



17. **Will the CO₂ fertilization effect in forests be offset by reduced tree longevity?**
Harald Bugmann, Christof Bigler
18. **Forest management and gastropod diversity**
Heike Kappes
19. **Effects of tree diversity on insect herbivory in subtropical forests of southeast China**
Andreas Schuldt, Martin Baruffol, Martin Böhnke, Helge Bruelheide, Werner Härdtle, Anne Lang, Karin Nadrowski, Goddert von Oheimb, Winfried Voigt, Hongzhang Zhou, Thorsten Assmann
20. **Comparison of the biocoenosis of oribatid mites as indicators for soil biodiversity (Oribatida, Acari) in beech and spruce forest stands in the Eifel National Park.**
Nadine Willius, Andreas Toschki, Bernhard Theißen, Martina Roß-Nickoll
21. **The impact of forest management on ground-dwelling invertebrates: A subtropical – temperate contrast**
Markus Lange, Carlos R. Fonseca, Martin Gossner, Wolfgang W. Weisser
22. **15 MIN DISCUSSION TIME**
23. **Partitioning of the impacts of forest structures and climate on the community composition of arthropods in the canopy of Norway spruce (*Picea abies*)**
Juliane Röder, Roland Brandl, Jörg Müller
24. **Spatiotemporal variation of true diversity: Doubling the estimate of canopy spider richness in temperate forest**
Samuel Yu-Lung Hsieh, Karl Eduard Linsenmair
25. **The structure of forest soil food webs across a land-use gradient**
Ulrich Brose
26. **Computational prediction of food-web interaction strengths in an experimental forest floor community**
Florian Schneider, Ulrich Brose
27. **15 MIN DISCUSSION TIME**

POSTER

- 3.1. **Micro-site variation and beetle extraction efficiency: Studying factors influencing comparative biodiversity surveys in the Eifel National Park**
Vanessa Bursche, Ursula Rings, Maike Guschal, Philipp Hopp, Martina Roß-Nickoll
- 3.2. **Hydrochorous diaspore dispersal in a restored river mouth area**
Birgit Bürzle, Constanze Buhk, Carsten Eichberg
- 3.3. **Identifying effects of tree diversity and tree identity on nematode community composition**
Simone Cesarz, Stefan Scheu, Matthias Schaefer, Liliane Ruess
- 3.4. **Impact of shallow landslides on forest dynamics in a south Ecuadorian montane forest**
Claudia Dislich, Peter Vorpahl, Boris Schröder, Andreas Huth
- 3.5. **Bark beetle outbreak patterns: A theoretical study of the evolution of dispersal distances and aggregation strength**
Klara Dolos, Alexander Kubisch, Emanuel A. Fronhofer, Thomas Hovestadt, Björn Reineking
- 3.6. **Influence of tree diversities on root system development**
Silke Gerhardt, Jens Wöllecke
- 3.7. **Effect of spruce to beech forest conversion on epigeal beetle assemblages in the Eifel National Park**
Maike Guschal, Philipp Hopp, Martina Roß-Nickoll
- 3.8. **Canopy arthropod assemblage: Do the spider diversity and composition change with growth of European beech trees?**
Samuel Yu-Lung Hsieh, Karl Eduard Linsenmair



- 3.9. **Regeneration of *Ocotea usambarensis*, a key tree species in montane forests in East Africa, is still inhibited 10 years after logging**
Fritz Kleinschroth, Arne Cierjacks, Ingo Kowarik, Caspar Schöning, James Kung'u
- 3.10. **How does intraspecific variability translate into decomposition processes?**
Hanno Müller, Martin Zimmer, Harald Auge
- 3.11. **Community assembly mechanisms in forest herb layer communities along gradients of fertility and disturbance**
Tobias Naaf
- 3.12. **Modelling the diversity of forest types in the Bavarian Alps**
Birgit Reger, Ralf Schüpferling, Jörg Ewald, Elke Dietz, Christian Kölling
- 3.13. **Study of floristics, life form and chorology of plants in the east of forests, Iran**
Narjes Seighali, Saeed Zaker Bostanabad, Masumeh Ramezanighara, Pardis Karimi, Mohammad Ghomi
- 3.14. **Birch forest plant diversity of the Kazbegi region (the Central Caucasus)**
Nato Tephnadze
- 3.15. **Soil mineral nitrogen status along a successional forest gradient in subtropical China**
Stefan Trogisch, Jin-Sheng He, Andy Hector, Michael Scherer-Lorenzen
- 3.16. **Diversity patterns of ferns along a climatic gradient in Bolivian Amazonia**
Patrick Weigelt, Felix Normann, Michael Kessler, Hanna Tuomisto, Karsten Wesche, Kalle Ruokolainen
- 3.17. **Rootsystem development in mixed stands**
Jens Wöllecke, Silke Gerhardt



4) High mountains biodiversity and ecology (Dietmar Simmering)

Scheduled: Wednesday 9h15 – 10h30

1. **Identifying regions with similar spatial conditions for the European Alps and their surroundings**
Caroline Pecher, Erich Tasser, Ulrike Tappeiner
2. **Patch configuration affects alpine plant distribution**
Karl Hülber, Stefan Dullinger
3. **Treeline dynamics in response to climate change in dry and mesic regions of the central Himalaya, Nepal**
Krishna Shrestha, Annika Hofgaard, Vigdis Vandvik
4. **Regional differentiation in life history and susceptibility to grazing in a widespread Alpine monocarp**
J.F. (Niek) Scheepens, Eva S. Frei, Jürg Stöcklin
5. **Quantitative genetic differences in growth, reproduction and leaf morphology mirror phylogeography in a widespread Alpine plant**
Eva S. Frei, J.F. Scheepens, Georg F.J. Armbruster, J. Stöcklin



5) Scaling up – soil biota and global element cycles (Liliane Rueß)

Scheduled: Thursday 14h00 – 15h45

ORALS

1. **From genes to ecosystems – Nitrogen turnover as an example**
Michael Schlöter
2. **Biochar use in soils: A mitigation strategy for greenhouse gas emissions?**
Claudia Kammann, Ludger Grünhage, Christoph Müller
3. **Biochar use in soils: Establishment of reproducible toxicity tests for biochars (pyrolysis) and HTC-biocoals from hydrothermal carbonization**
Daniela Busch, Claudia Kammann
4. **Biochar use in soils: Eco-physiological plant responses to biochar use in a poor sandy soil**
Sebastian Linsel, Johannes Goessling, Claudia Kammann, Hans-Werner Koyro
5. **Rhizobial plants do it better (but smell worse) – Belowground mutualists favour growth and defence**
Martin Schädler, Daniel Ballhorn
6. **Biological soil crusts: Response to short- and long-term disturbance and their global relevance**
Bettina Weber, Burkhard Büdel
7. **15 MIN DISCUSSION TIME**

POSTER

- 5.1. **Detritivorous activity of the terrestrial isopod *Armadillidium vulgare* in laboratory microcosms**
Bérénice Bois, Gael Freyssinel, Benjamin Bourdon, Freddie-Jeanne Richard, Catherine Souty-Grosset
- 5.2. **Effects of protozoan grazers on microbial carbon fluxes in the detritosphere**
Maike Hünninghaus, Robert Koller, Susanne Kramer, Sven Marhan, Ellen Kandeler, Michael Bonkowski
- 5.3. **Decomposer richness effects on plant productivity: Predominance of sampling effects aboveground and complementarity effects belowground**
Britta Merkel, Stefan Scheu, Nico Eisenhauer
- 5.4. **Primary succession in a post mining area in Lower Lusatia – A soil-zoological investigation**
Cornelia Reißmann, Daniel Einfalt



6) Landscape ecology and biogeography (Ingo Hahn & Duccio Rocchini)

Scheduled: Tuesday 9h15 – 17h45

ORALS

1. **Global diversity of island floras: Species richness, endemism, and threat**
Holger Kreft, Wilhelm Barthlott, Pierre L. Ibisch, Walter Jetz, Gerold Kier, Tien Ming Lee, Jens Mutke, Christoph Nowicki
2. **Reproduction and island endemics: Nest ecology and conservation of landbirds of the Juan Fernandez Islands, Chile**
Ingo Hahn, Pablo Vergara
3. **Vegetational diversity in a hyper-karstic, hyper-humid oro-Mediterranean environment**
Pavle Cikovac, Christian Bräuchler
4. **Analyzing biodiversity using landscape metrics in strategic environmental impact assessment studies**
Matthias Pietsch
5. **Projected and observed changes of vascular plant species richness at the landscape scale in Switzerland**
Hiltrud Brose, Matthias Plattner, Ingolf Kühn, Michael Nobis
6. **Impacts of habitat fragmentation on woodland species in consideration of landscape metrics**
Britta Eggers, Raul Köhler
7. **Landscape connectivity for biodiversity: Testing indices, improving approaches**
Guy Pe'er, Lucia Schober, Klaus Henle, Karin Frank
8. **Hedge-forest connectivity and crop-field neighbourhood affect bee and hoverfly diversity**
Sebastian Haenke, Anikó Kovács, Péter Batáry, Birgit Meyer, Teja Tschardtke, Andrea Holzschuh
9. **Could homogeneous silviculture provide biodiversity in a modified agricultural landscape?**
Gael Freyssinel, Damien Deschamps, Benjamin Bourdon, Roland Raimond, Catherine Souty-Grosset
10. **Agricultural landscape diversity and landscape function**
Zdzislaw Bernacki
11. **Dispersal traits in grassland plant communities are related to the historical landscape**
Oliver Purschke, Martin T. Sykes, Peter Poschlod, Honor C. Prentice
12. **Seed bank and seed rain in a rural landscape mosaic**
Alistair Auffret, Sara A. O. Cousins
13. **Strong genetic differentiation at regional scale despite of an outcrossing mating system in the common grassland species (*Geranium pratense*)**
Stefan Michalski, Walter Durka
14. **Forget the patch! The response of birds and bats to environmental gradients in a variegated landscape**
Jan Hanspach, Joern Fischer



POSTER

- 6.1. **Correlation between wing melanisation of European butterflies and mean insolation over the distributional range of species**
Stefan Brunzel, Roland Brandl
- 6.2. **Effects of population density and prey availability on body condition of spiders in fragmented landscapes**
Roman Bucher, Martin Schmidt-Entling
- 6.3. **Theoretical complications in the link between biodiversity and ecosystem productivity**
Joseph Chipperfield, Thomas Hovestadt
- 6.4. **Effects of habitat fragmentation and landscape composition on biodiversity and ecosystem services**
Sandra Krause, John Herrmann, Sonja Stutz, Roman Bucher, Yolanda Stocker, Felix Herzog, Martin Schmidt-Entling
- 6.5. **A framework for delineating biogeographical regions based on species distributions**
Holger Kreft, Walter Jetz
- 6.6. **Experimental study of metapopulation dynamics and viability using *Tetrahymena thermophila* microcosms**
Frank Pennekamp, Nicolas Schtickzelle
- 6.7. **The impact of hedgerow-forest connectivity on small mammals in agricultural landscapes**
Hella Schlinkert, Christina Fischer, Martin Ludwig, Andrea Holzschuh, Anikó Kovács, Teja Tschardtke, Péter Batáry
- 6.8. **Species and functional diversity in semi-natural grasslands: when local management and landscape context matter**
Reto Schmucki, Josefin Reimark, Sara Cousins



7) Plant population ecology (Arndt Hampe)

Scheduled: Tuesday 9h15 - 15h15

ORALS

1. **A comparison of central and peripheral populations of *Carduus defloratus***
Andrea Vaupel, Diethart Matthies
2. **Phenological differences in frost hardiness of different central European tree species**
Maria Auerswald, Helge Bruelheide
3. **Why do imports grow higher up New Zealand mountains than native conifers?**
Ellen Cieraad, Margaret Barbour, Robert Baxter, Matt McGlone, Brian Huntley
4. **Assessing the carbon source for fruiting in mature trees one year after long-term ¹³C-labelling**
Günter Hoch, Qingmin Han, Rolf Siegwolf, Christian Körner
5. **15 MIN DISCUSSION TIME**
6. **Are epiphytic tank bromeliads nitrogen or phosphorus limited?**
Gerhard Zotz, Uwe Winkler, Wolfgang Wanek
7. **Functional diversity of beech ectomycorrhizas for nitrogen uptake**
Rodica Pena, Andrea Polle
8. **Nitrogen enrichment limits seedling recruitment of a widespread tree species in farmland hedgerows**
Matthias Schleuning, Christoph Böhm, Katrin Böhning-Gaese
9. **Evolution and dispersal of an herbicide resistant weed**
Janin Rummland, Dirk Kerlen, Henning Nordmeyer, Otto Richter
10. **15 MIN DISCUSSION TIME**

POSTER

- 7.1. **Leaf and flower asymmetry in *Saxifraga rosacea subsp. sponhemica*: Relationship with population size, genetic variation and fitness**
Melanie Bodenseh, Tania Walisch, Sylvie Hermant, Guy Colling, Diethart Matthies
- 7.2. **The Italian populations of *Viola pumila Chaix* – Their ecological and genetic characterization for an integrated conservation strategy**
Fabrizio Buldrini, Daniele Dallai, Lucia Conte, Carlo Del Prete, Carlo Ferrari
- 7.3. **Patterns of pollen dispersal in cultivated and natural populations of cacao – First approaches**
Claudia Chumacero de Schawe
- 7.4. **Regional population biology analysis of *Dianthus carthusianorum***
Virginia Duwe, Birgit Gemeinholzer, Daniel Lauterbach, Okka Tschöpe, Michael Burkart
- 7.5. **Nucleotide Variation in drought stress response genes at a geographic scale in *Abies alba Mill***
Natascha Hasenkamp, Katharina Fettweis, Christina Mengel, Birgit Ziegenhagen, Sascha Liepelt
- 7.6. **Phenology of flowering and seed dispersal: Timing and patterns**
Felix Heydel, Oliver Tackenberg
- 7.7. **The reproduction niche of *Armeria maritima ssp. elongata* – character species of semiarid grassland on acidic sandy soils**
Rüdiger Knösche



- 7.8. **Microsite and seed limitation of recruitment in a deciduous forest herb**
Annette Kolb, Katharina Barsch
- 7.9. **Three-dimensional morphology of plant infructescences**
Sören Kottner, Felix Heydel, Oliver Tackenberg
- 7.10. **High clonality in a natural regenerated stand of poplars along a river stretch?**
Iris Landschulze, Silke Knoche, Birgit Ziegenhagen, Ronald Bialozyt
- 7.11. **Genetic diversity of *C. lanatus* var. *lanatus oleaginous* at the scale of a village**
Laure-anne Minsart, Pierre Bertin
- 7.12. **Is the high floristic diversity of central European and dinaric meadow communities accompanied by divergence in functional traits?**
Natasa Pipenbaher, Mitja Kaligarić, Sonja Skornik, Norman W.H Mason.
- 7.13. **Is population structure indicating ongoing gene flow among two parapatric *Abies* species?**
Lea Schenkelberg, Andreas D. Drouzas, Birgit Ziegenhagen, Sascha Liepelt
- 7.14. **Population fitness of habitat specialist grass in declining habitats**
Krista Takkis, Aveliina Helm, Liina Saar, Meelis Pärtel
- 7.15. **Can phenotypic plasticity be an initial prerequisite for invasiveness in *Brachypodium sylvaticum*?**
Kathleen Flade, Ewald Weber, Anton Fischer, Markus K. Zaplata
- 7.16. **Chlorophyll fluorescence of three Chilean *Nothofagus* (Fagaceae) species – Can we related photosynthetic performance to ecological behavior?**
Maik Veste, Carlos Ramirez
- 7.17. **Contrasting effect of plant diversity on plant biomass**
Nadine Sandau, Louis-Felix Bersier, Yvonne Fabian, Odile Bruggisser



8) Plant invasion (Lutz Eckstein & Anton Fischer)

Scheduled: Thursday 9h15 – 12h15

ORALS

1. **Mechanistic understanding of a rapid and variable plant invasion**
Frank Schurr, Anna Kuparinen, Jürgen Groeneveld, Susanne Lachmuth
2. **Pinpointing the spread of the giant hogweed in changing landscapes**
Sylvia Moenickes, Jan Thiele, Marlene Gelleszun, Mona Richter
3. **Colonization potential of the opportunistic herb *Conyza canadensis* at the landscape scale in an initial catchment**
Markus Zaplata, Susanne Winter, Detlef Biemelt, Anton Fischer
4. **Plant invasion from a scale perspective: The case of *Oxalis pes-caprae* in a Mediterranean island**
Akis Siamantziouras, George Papamichael, Yiannis Matsinos
5. **15 MIN DISCUSSION TIME**
6. **First results of the biological control of Japanese knotweed in Europe**
René Eschen, Alex Brook, Anna Harris, Richard Shaw
7. **The role of propagule pressure, genetic diversity and microsite limitation for *Senecio vernalis* invasion**
Lydia Hantsch, Helge Bruelheide, Alexandra Erfmeier
8. **Influence of different litter types and moisture on germination success of the expanding therophyte *Ceratocarpus claviculata***
Nicole Voß, Walter Durka, R. Lutz Eckstein
9. **Low impact of tree diversity on herb layer productivity and invasion resistance in experimental communities in subtropical China**
Sabine Both, Helge Bruelheide, Alexandra Erfmeier
10. **15 MIN DISCUSSION TIME**

POSTER

- 8.1. **Potential solutions for the control of riparian and aquatic invasive weeds: A review of the progress of classical biological control programmes in the UK**
Richard Shaw, Rob Tanner, Djami Djeddour, Ghislaine Cortat, René Eschen, Corin Pratt
- 8.2. **Impacts of invasive *Acacia longifolia* on the vegetation structure and regeneration dynamics in Mediterranean-atlantic open dunes and dune forests**
André Große-Stoltenberg, Katherine G. Rascher, Andreas Vogel, João Augusto Alves Meira-Neto, Cristina Máguas, Christiane Werner
- 8.3. **Development and phenology of *Ambrosia artemisiifolia* populations from different European sites**
Marion Leiblein, Oliver Tackenberg
- 8.4. **Common ragweed and road traffic: Influence of different traffic intensities on seed dispersal distances along roadside verges**
Andreas Lemke
- 8.5. **Control of invasive species on protected areas – Comparison of German and Polish experiences**
Agnieszka Sendek, Barbara Tokarska-Guzik, Katarzyna Koszela, Izabela Żabińska, Sabina Tarłowska, Stefan Klotz



8.6. **Greenhouse experiments reveal: Invasive Salicaceae in Patagonia out-compete the native by vegetative reproduction**

Lena Tölle



9) Biodiversity along latitudinal and altitudinal gradients (Annette Kolb, Kris Verheyen, Bente Graae & Pieter de Frenne)

Scheduled: Monday 16h15 – Tuesday 10h30

ORALS

1. **Germination requirements and seed mass of slow- and fast-colonizing temperate forest herbs along a latitudinal gradient**
Bente Jessen Graae, Kris Verheyen, Annette Kolb, Martin Hermy
2. **Phenotypic plasticity across latitude: A buffer against climate warming in forest herbs?**
Pieter De Frenne, Bente J. Graae, Kris Verheyen, Martin Hermy
3. **Phenotypic plasticity of forest herbs along environmental gradients in the context of climate change**
Isgard Lemke, Annette Kolb, Martin Diekmann
4. **Isolation by elevation in a subtropical dominant tree**
Miaomiao Shi, Stefan Michalski, Xiao-Yong Chen, Walter Durka
5. **15 MIN Discussion Time**
6. **Lessons from altitudinal gradients: Niche evolution and range margins of alien species**
Jake Alexander, Peter Edwards
7. **Macroecological lessons from Siberian mayflies – The Rapoport effect and why species with wider altitudinal ranges have narrower geographical distribution?**
Mikhail Beketov
8. **Effects of habitat fragmentation on two specialist herbivores along an altitudinal gradient in the Tongariro National Park, New Zealand**
Claas Damken, George Perry, Jacqueline Beggs
9. **30 MIN DISCUSSION TIME**

POSTER

- 9.1. **Effects of altitudinal on population genetic structure and clonal growth in *Briza media***
Thomas Hahn, Chris J. Kettle, Andrea R. Pluess, Jaboury Ghazoul



10) Climate change effects on the species and ecosystem level (Camilla Wellstein, Carl Beierkuhnlein, Jürgen Kreyling & Michael Scherer-Lorenzen)

Scheduled: Wednesday 11h00 – 18h15

ORALS

1. **Homogenization of European summit floras under global warming**
Gerald Jurasinski, Jutta Kapfer, Kari Klanderud, Gian-Reto Walther, John-Arvid Grytnes
2. **Projection of habitat-specific plant species pools under climate change**
Sven Pompe, Franz Badeck, Jan Hanspach, Stefan Klotz, Helge Bruehlheide, Ingolf Kühn
3. **Are cool types mild guys?**
Dominik Katterfeldt, Ingolf Kühn, Martin Nebel
4. **Rapid recovery of diversity through long-distance pollen dispersal in a northern pioneer population of holm oak (*Quercus ilex*)**
Arndt Hampe, Rémy J. Petit
5. **Rapid evolutionary alteration of eco-physiological and fitness related traits of plants in response to elevation of carbon dioxide concentration and temperature**
Georg Frenck, Leon van der Linden, Teis N. Mikkelsen, Hans Brix, Rikke B. Jørgensen
6. **Biodiversity and ecosystem function under simulated climate change**
Lars R. von Riedmatten, Carsten F. Dormann, Michael Scherer-Lorenzen
7. **Plant performance under simulated climate change strongly depends on land use type, study region, and species identity**
Astrid Bütof, Lars R. von Riedmatten, Carsten F. Dormann, Michael Scherer-Lorenzen, Erik Welk, Helge Bruehlheide
8. **Global climate change – Only bad news for boreal forest herb layer species?**
Kathrin Kirchner, Helge Bruehlheide
9. **Local adaptation to drought and warming in four common grass species**
Daniel Thiel, Jürgen Kreyling, Anke Jentsch, Carl Beierkuhnlein
10. **Extreme weather events alter flower phenology of *Calluna vulgaris* and *Genista tinctoria***
Laura Nagy, Kreyling Jürgen, Beierkuhnlein Carl, Jentsch Anke
11. **Impacts of sea level rise on the decomposition rate of the eelgrass *Zostera muelleri***
Andrea Nicastro
12. **Effects of climate change on ecosystem functions**
Camilla Wellstein, Carl Beierkuhnlein, Jürgen Kreyling, Franziska Niemitz, Anke Jentsch
13. **The importance of winter climate change on ecological processes**
Jürgen Kreyling
14. **Impact of extreme weather events on the microbial function of soil**
Verena Hammerl, Carl Beierkuhnlein, Anke Jentsch, Michael Schloter, Karin Pritsch
15. **Effects of intra-annual rainfall variability on productivity of semi-natural grassland communities**
Kerstin Grant, Jürgen Kreyling, Carl Beierkuhnlein, Anke Jentsch
16. **Extreme weather events and plant community diversity influence herbivore performance**
Julia Walter, Kerstin Reifenrath, Roman Hein, Carl Beierkuhnlein, Anke Jentsch
17. **Simulating the influence of climate change on soil moisture regimes in Namibia**
Susanne Meyfarth, Britta Tietjen, Alexander Gröngroft, Florian Jeltsch



POSTER

- 10.1. **Adaptive or passive response to climate change?**
Sabine Hänel
- 10.2. **Impact of climate change on biotic interactions**
Ellen Gellesch, Roman Hein, Carl Beierkuhnlein, Anke Jentsch
- 10.3. **Breeding during contrasting environmental conditions: Influence of ENSO in a colony of burrowing parrots at the atlantic coast of Patagonia**
Juan F. Masello, Petra Quillfeldt
- 10.4. **Adaption of silver fir (*Abies alba MILL.*) to a warmer climate - An investigation of the standing variation hypothesis**
Anna Roschanski, Sascha Liepelt, Birgit Ziegenhagen
- 10.5. **Sky exposition effect on phenological rhythm and seed set in *Primula* species**
Natalia Togonidze
- 10.6. **Responses of 64 plant species growth traits to climate change**
Yanli Zhuang, Alexandra Weigelt, Christian Wirth
- 10.7. **Variability of clonal growth of European grass species in climate change experiments**
Camilla Wellstein, Patrizia Paci, Daniel Thiel, Jürgen Kreyling, Anke Jentsch, Roberto Canullo, Diego Campetella, Carl Beierkuhnlein
- 10.8. **Ecosystem research regarding climate adaptation**
Andreas Gohlke, Camilla Wellstein, Carl Beierkuhnlein, FORKAST Consortium



11) Animal evolution and survival (Oliver Martin)

Scheduled: Wednesday 14h00 – 15h15

ORALS

1. **Field preference and diet of foraging skylarks in winter**
Flavia Geiger, Heiner Flinks, Maurits Gleichman, Geert R. de Snoo, Frank Berendse, Arne Hegemann, Irene Tieleman
2. **Sexual segregation and inter-annual flexibility in the foraging ecology of imperial shags**
Petra Quillfeldt, Juan Masello
3. **Ecological speciation over small scales – new insights from a field study on *Microcebus griseorufus* (Cheirogaleidae) in Southwestern Madagascar**
Peggy Giertz, Rakotomalala Yedidya Ratovonamana, Thomas Püttker
4. **Axial skeleton defects in *Rutilus rutilus* (Teleostei: Cyprinidae) exposed to radiation contamination in the area of the Eastern-Urals Radioactive Trace**
Nina Bogutskaya, Alexander Naseka, Mikhail Zuykov
5. **A matter of habitat size? Genetic erosion in a stenotopic heathland ground beetle (Coleoptera: Carabidae)**
Claudia Drees, Andrea Matern, Thorsten Assmann

POSTER

- 11.1. **Early gonado- and gametogenesis in juvenile protogenous hermaphrodites: A case study of two European lampreys (*Lethenteron ninae* and *Lampetra fluviatilis*)**
Marina Mosyagina, Alexander Naseka, Nina Bogutskaya, Andrey Shil'dyaev, Sako Tuniev
- 11.2. **Soil susceptibility to black locust (*Robinia pseudoacacia*) invasion outside woodland in agricultural landscape**
Danijel Ivajnsic, Mitja Kaligarić
- 11.3. **DNA barcoding as a method for species identification in the hyperdiverse ant genus *Pheidole***
Rossa Ng'endo, Jochen Bihn, Roland Brandl
- 11.4. **Elevated environmental temperature alters the balance between costs and benefits of reproduction**
Oliver Martin, Vera Grazer
- 11.5. **Do carabids follow Bergmann's rule? A macroecological study on ground beetles in the Western Palaearctic (Coleoptera: Carabidae)**
Katharina Schäfer, Andreas Schuldt, Claudia Drees, Thorsten Assmann



12) The future of pollination services: Perspectives on conservation actions (Frank Jauker & Catrin Westphal)

Scheduled: Tuesday 14h00 – 17h45

ORALS

1. **Introducing the pollinator session and an attempt to disentangle functional responses of pollinators to mass flowering crops**
Frank Jauker, Franziska Peter, Volkmar Wolters, Tim Diekötter
2. **Spatial resolution of spillover effects by pollinators and herbivores from oilseed rape fields into the agricultural landscape**
Christian Schellhorn, Tim Diekötter, Florian Vorwalder, Volkmar Wolters
3. **Pollen dispersal in grasslands: Facilitation or competition at high plant species diversity?**
Lena Kloss, Walter Durka
4. **Effects of population size on pollinator guild, reproductive success, and long term sustainability of *Comarum palustre* (Rosaceae)**
Laurent Somme, Carolin Mayer, Anne-Laure Jacquemart
5. **The impact of *Heracleum mantegazzianum* on plant-pollinator interactions – Bully or gentle giant?**
Ulrich Zumkier, Manfred Kraemer
6. **Insect diversity and pollination of *Celtis africana* in human modified South African scarp forests**
Eike Lena Neuschulz, Ingo Grass, Nina Farwig
7. **Win some, loose some – Pollinator shifts in a fragmented habitat?**
Nils Hasenbein, Manfred Kraemer
8. **Finding communities in weighted pollination networks**
Carsten Dormann, Rouven Strau
9. **One hundred key questions for pollination ecology**
Carolin Mayer, Lynn Adler, Scott Armbruster, Amots Dafni, Connal Eardley, Shuang-Quan Huang, Peter Kevan, Jeff Ollerton, Laurence Packer, Simon Potts, Axel Ssymank, Jane Stout
10. **15 MIN DISCUSSION TIME**

POSTER

- 12.1. **Growing crops for bioenergy: The impact on plant-pollinator communities**
Dara Stanley, Jane Stout
- 12.2. **Density or spatial patterns of inflorescences – What influences the success of shared-pollination most?**
Eva-Maria Hoch, Sven Hanoteaux, Merav Seifan, Katja Tielborger
- 12.3. **Pollinators increase fruit quality of self-pollinating *Rosa canina***
Anik Kovacs, Sebastian Hanke, Peter Batary, Birgit Meyer, Andras Baldi, Teja Tschardtke, Andrea Holzschuh
- 12.4. **Pollination ecology and breeding system of an understory herb in the Atlantic Rainforest of Brazil**
Katharina Stein, Isabell Hensen
- 12.5. **Organic dairy farming: Impacts on insect-flower interaction networks, flower-visitor assemblages and pollination services**
Eileen Power, Jane Stout



13) Biotic interactions on various trophic levels (Anna Treydte & Katja Geißler)

Scheduled: Wednesday 11h00 – 18h15

ORALS

- 1. Linking physiological based individual plant performance to community dynamics: Analysing the importance of stress and interactions for succession and coexistence of species rich communities**
Kristin Bohn, Björn Reineking, James Dyke, Ryan Pavlick, Björn Reu, Axel Kleidon
- 2. N-transfer between grassland species: Effects of community composition, species identity and simulated grazing**
Lea L.A. Martin, Uwe Rascher, Ulrich Schurr, Vicky M. Temperton
- 3. Are silica defences in grasses driving vole population cycles?**
Stefan Reidinger, Fergus Massey, Xavier Lambin, Sue Hartley
- 4. Mammalian herbivory affecting acacia trees and symbiotic ants in an African savanna**
Franziska Bucher, Anna Treydte, Lauren McGeoch, Truman Young
- 5. Multitrophic cascading effects of experimental changes in plant diversity on nesting bees, wasps, and their parasitoids**
Anne Ebeling, Alexandra-Maria Klein, Wolfgang W. Weisser, Teja Tschardt
- 6. Allometric functional responses constrain consumption preferences of epigeic arthropod predators**
Gregor Kalinkat, Björn C. Rall, Ulrich Brose
- 7. The performance of a generalist herbivore in a diverse world – Plant species richness, composition and quality matter**
Juliane Heimann, Sybille B. Unsicker, Wolfgang W. Weisser
- 8. Olfactory orientation in the host plant finding of the weevil *Ceratopion onopordi***
Esther Müller
- 9. Examination of mechanisms of predator diversity on ecosystem functioning with biological control agents**
David Ott, Ulrich Brose
- 10. Biodiversity as an important factor for mosquito control**
Iris Kroeger, Sabine Duquesne, Matthias Liess
- 11. Who decides whether the food is fine? The distinct response of leaf-cutting ants and their fungal partner to herbivory-induced plant volatiles**
Jörg Stephan, Rainer Wirth, Christian Kost
- 12. Hunger and food preference: Key factors for understanding functional response**
Tina Cornioley, Rudolf Rohr, Sven Bacher
- 13. Ecophysiology of auditory host detection**
Reinhard Lakes-Harlan
- 14. Collembolan-induced fungal response to grazing damage – The occurrence of indirect defence volatiles in the soil system**
Susanne Pfeffer, Juliane Filser
- 15. Endophytic fungi influence aphid abundance depending on study region**
Carmen Börschig, Klein Alexandra-Maria, Krauss Jochen
- 16. Individuals in a community context: Neighboring plants structure the composition of arbuscular mycorrhizal fungi in individual ragwort plants**
Tess van de Voorde, Wim van der Putten, Gera Hol, Hannes Gamper, Martijn Bezemer



17. Litter dissimilarity and macro-fauna identity drive litter diversity effects

Veronique Vos, Jasper Van Ruijven, Frank Berendse, Edwin Peeters, Matty Berg

POSTER

- 13.1. **Impact of generalist predators and different levels of NPK fertilization on soil fauna, plant performance and herbivore populations in barley**
Eva Diehl, Johannes Stern, Lena Robitzsch, Volkmar Wolters, Klaus Birkhofer
- 13.2. **Earthworm activity mediates litter effects on seedling emergence**
Tobias Donath, Lutz Eckstein
- 13.3. **Comparing geographical structures of one cynipid gall wasp and two parasitoids in Europe**
Annette Kohnen, Iris Richter
- 13.4. **Reshuffling the pack: Examining the consequences of introduced species on community structure. Plant-insect interactions of coastal Asteraceae and the role of phylogeny, landscape and scale**
Susanne Krejcek, Stephen Hartley, Kevin C. Burns, Jon Sullivan
- 13.5. **How specialized are interactions between ants and aphids**
Corsin Lang
- 13.6. **Differences in predation of dog rose seeds between hedges and forest edges**
Martin Ludwig, Hella Schlinkert, Christina Fischer, Andrea Holzschuh, Teja Tscharntke, Péter Batáry
- 13.7. **The effect of habitat heterogeneity on the spatial relationship between two competing predators in a forest floor habitat**
Elvira Melnichnova, Theo Blick, Wolfgang H.O. Dorow, Volkmar Wolters, Klaus Birkhofer
- 13.8. **Effects of generalist root feeders (*Agriotes spp.* larvae, Elateridae) on grassland plant species**
Ilja Sonnemann, Susanne Wurst
- 13.9. **Seed dispersal by slugs**
Manfred Türke, Kerstin Andreas, Wolfgang Weisser
- 13.10. **Effects of interactions between arbuscular mycorrhizal fungi, rhizobacteria, soil phosphorus and plant cytokinin levels on tobacco growth**
Marco Cosme, Eswar Ramireddy, Thomas Schmülling, Susanne Wurst
- 13.11. **Effects of *Glomus* intraradices on the larvae performance and ovipositional preference of the rice water weevil (*Lissorhoptrus oryzophilus* Kusche)**
Marco Cosme, Michael J. Stout, Susanne Wurst
- 13.12. **Characterization of initial soil food webs – Micro- and mesofauna in a post mining area**
Cornelia Reißmann, Michael Elmer, Karin Hohberg, Thomas Raab, Willi Xylander
- 13.13. **Foxes as dispersers of forest tree seeds in southern Brazilian grasslands**
Julia-Maria Hermann, Laura Beatriz Prates da Silva



14) Beyond patterns - Niche dynamics in space and time (Marten Winter, Holger Kreft & Christian Hof)

Scheduled: Thursday 9h15 – 15h45

1. **The Impact of Changing Environment on Bovids evolution in Africa**
Tim Schikora, Schrenk Friedemann
2. **Out of New Guinea: Non-density dependent cladogenesis in several families of core-corvoid passerine birds**
Susanne Fritz, Knud Jønsson, Jon Fjeldså, Carsten Rahbek
3. **Polyploid evolution and habitat segregation in the *Senecio carniolicus* complex**
Karl Hülber, Manuela Winkler, Pedro Escobar García, Ruth Flatscher, Gerald Schneeweiß, Michaela Sonnleitner, Peter Schönswetter
4. **Linking large scale analyses of climate niche evolution with population genetics**
Dennis Rödder, Sabine Jakob, Christoph Heibl, Frank Blattner
5. **15 MINUTES DISCUSSION TIME**
6. **Phylogenetic signal in community niche structure**
Tamara Münkemüller, Sébastien Lavergne, Wilfried Thuiller
7. **Cryptic niche conservatism among evolutionary lineages of an invasive lizard**
Ulrich Schulte, Stefan Lötters, Michael Veith, Axel Hochkirch, Dennis Rödder
8. **Inferring large-scale patterns of niche evolution and dispersal limitation from the phylogenetic composition of assemblages: A case study on New World palms**
Wolf L. Eiserhardt, Jens-Christian Svenning, William J. Baker, Thomas L. P. Couvreur, Henrik Balslev
9. **Functional and phylogenetic characteristics of spontaneous garden floras**
Sonja Knapp, Lucy Dinsmore, Cinzia Fissore, Sarah Hobbie, Ina Jacobsdottir, Jennifer King, Stefan Klotz, Joseph McFadden, Jeannine Cavender-Bares
10. **15 MINUTES DISCUSSION TIME**
11. **Demographic models for species distribution: Consequences for biodiversity maintenance in the face of environmental change**
Juliano Sarmiento Cabral, Frank Schurr, Florian Jeltsch
12. **Moving to stand still – The influence of the habitat niche on dragonfly dispersal and their ability to track climate change**
Christian Hof, Martin Brändle, D. Matthias Dehling, Mariana Munguía, Roland Brandl, Miguel B. Araújo, Carsten Rahbek
13. **Projections of shifts in tree species distributions: Assessing the influence of macro-climate and local processes**
Eliane Meier, Niklaus Zimmermann
14. **The spread of *Fagus sylvatica* and *Picea abies* in southern Scandinavia during the late Holocene**
Ronald Bialozyt, Lee Bradley, Richard H.W. Bradshaw
15. **Abiotic and biotic drivers of change in species phenology of six selected tree species**
Christine Römermann, Steve Higgins, Manuela Müller, Bob O'Hara
16. **30 MINUTES DISCUSSION TIME**



15) Land use, biodiversity and ecosystem processes (Markus Fischer & Simone Pfeiffer)

Scheduled: Tuesday 9h15 – 17h45

ORALS

1. **Goals, set-up, state and perspectives of the Biodiversity Exploratories**
Simone Pfeiffer, Francois Buscot, Sonja Gockel, Martin Gorke, Andreas Hemp, Elisabeth K.V. Kalko
2. **Functional diversity in grasslands of the Biodiversity Exploratory**
Daniel Prati, Steffen Boch, Jörg Müller, Setphanie Socher, Markus Fischer
3. **Response of vascular plant and lichen species richness to forest management**
Steffen Boch, Daniel Prati, Dominik Hessenmöller, Markus Fischer
4. **Chemical composition of community biomass reflects biodiversity patterns in Central European grasslands**
Valentin H. Klaus, Kleinebecker Till, Hölzel Norbert, Socher Stephanie, Boch Steffen, Müller Jörg, Prati Daniel, Fischer Markus
5. **Diversity and species turnover of herbs and insects on plot level – Similarities and correlations across trophic levels**
Martin Gossner, Stephan Getzin, Kerstin Wiegand, Wolfgang Weisser
6. **Herbivory on beech crowns**
Esther Kowalski, Markus Lange, Martin Gossner, Patricia Geesink, Wolfgang W. Weisser
7. **Orientation in complex odorous environments: Does plant species diversity affect complexity of vegetation odor and arthropod orientation?**
Torsten Meiners, Nicole Wäschke, Monika Hilker, Christine Herbst, Elisabeth Obermaier
8. **Processes at different spatial scales affect macro-invertebrate communities and their functional role in managed grasslands**
Klaus Birkhofer, Tim Diekötter, Volkmar Wolters
9. **Lack of energetic equivalence in forest soil food webs**
Roswitha B. Ehnes, Ulrich Brose
10. **Land use and host neighbor identities influence arbuscular mycorrhizal fungal community composition**
Kathryn Barto, Christine Herbst, Torsten Meiners, Elisabeth Obermaier, Nicole Waeschke, Tesfaye Wubet, Matthias Rillig
11. **Biodiversity in forests: A new assessment method using cost-effective remote sensing and fine-scale pattern analysis**
Stephan Getzin, Kerstin Wiegand
12. **Grassland ecosystem multi-functionality governed by plant community diversity and composition**
Gerlinde De Deyn, Nick Ostle, Richard Bardgett
13. **Frugivore diversity and seed dispersal of *Sorbus aucuparia* in different land-use types**
Jörg Albrecht, Eike Lena Neuschulz, Nina Farwig
14. **Impact of land use and climate on the phylogenetic and functional diversity of bats (Chiroptera)**
Verena Riedinger, Milenka Mehr, Jörg Müller, Roland Brandl
15. **15 MIN DISCUSSION TIME**



POSTER

- 15.1. **Analysing trophic links in the litter food web of temperate forests: A molecular approach**
Bernhard Eitzinger, Stefan Scheu
- 15.2. **Reproductive mode and community structure of oribatid mites along a forest land use gradient**
Georgia Erdmann, Mark Maraun
- 15.3. **Trophic interactions in a grassland management experiment (GRASSMAN)**
Georg Everwand, Christoph Scherber, Teja Tscharntke
- 15.4. **Soil macrofauna diversity in managed grasslands of the DFG Biodiversity Exploratories**
Janine Groh, Klaus Birkhofer, Tim Diekötter, Volkmar Wolters
- 15.5. **Management and plant-species richness effects on P cycling in grasslands and forests**
Yvonne Oelmann, Fabian Alt, Martin M. Gossner, Norbert Hölzel, Valentin Klaus, Till Kleinebecker, Wolfgang Weisser, Wolfgang Wilcke
- 15.6. **Spider diversity in grasslands of the DFG Biodiversity Exploratories is affected at local, landscape and regional spatial scales**
Nico Radermacher, Tim Diekötter, Volkmar Wolters, Klaus Birkhofer



16) Biodiversity of man-made habitats (Bruno Baur & Martin Dieterich)

Scheduled: Thursday 9h15 – 15h45

ORALS

1. **Effects of management abandonment on microtopography and plant traits in natural fen meadows**
Wout Opdekamp, Olivier Beauchard, Hans Backx, Tom Cox, Rudy van Diggelen, Patrick Meire
2. **Species richness of multiple taxonomic groups along a successional gradient in a coastal Baltic heathland**
Jasmin Mantilla-Contreras, Jens Schirmel, Irmgard Blindow, Stefen Zerbe
3. **Effects of shrub encroachment in dry grasslands - A case study with regard to biodiversity, environmental changes and its potential use as renewable energy**
Dorothea Pietzsch, Jasmin Mantilla-Contreras, Jens Schirmel, Kerrin Müller, Wiebke Retzlaff, Christoph Leuschner, Ulrich Hampicke, Irmgard Blindow
4. **How does secondary succession affect the biocoenosis of mountain hay meadows?**
Ira Heilburg, Silvana Siehoff, Gottfried Lennartz, Martina Roß-Nickoll
5. **15 MIN DISCUSSION TIME**
6. **Effect of grassland fragmentation on genetic diversity: Delayed response in a plant-pollinator system**
Bruno Baur, Hans-Peter Rusterholz
7. **Land use change in Stockholm archipelago and the effect on grassland plant diversity and richness**
Josefine Reimark, Sara Cousins
8. **The impact of land-use on the water balance of moderately species-rich grassland**
Laura Rose, Heinz Coners, Christoph Leuschner
9. **Changes in species richness and composition in German grasslands over the last decades – The role of nitrogen deposition and other explanatory variables**
Martin Diekmann, Cecilia Duprè
10. **15 MIN DISCUSSION TIME**
11. **Effects of functional grassland diversity and different management intensities on net N mineralisation**
Ina Hoeft, Edzo Veldkamp, Nicole Wrage
12. **Explaining grassland biomass – The importance of biodiversity and climate changes with fertilization and mowing frequency**
Markus Bernhardt-Römermann, Christine Römermann, Stefan Sperlich, Wolfgang Schmidt
13. **Stability of components of land use intensity**
Lars W. Clement, Jan Bengtsson, Piotr Ceryngier, Sebastian Hänke, Violetta Hawro, Teja Tschardtke, Camilla Winqvist, Wolfgang W. Weisser
14. **Biodiversity and the mitigation of climate change through bioenergy: Impacts of increased maize cultivation on abundance of farmland wildlife**
Jana Gevers, Toke Thomas Høye, Chris J. Topping, Michael Glemnitz, Boris Schröder
15. **Indirect land-use change by bioenergy production – A model approach**
Henning Nolzen, Hanna Weise, Erik Gawel, Karin Frank
16. **30 MIN DISCUSSION TIME**



POSTER

- 16.1. **Nitrogen loss pathways and fluxes in sloping cropland in China**
Jessica Bergmann, Klaus Butterbach-Bahl, Minghua Zhou, Tao Wang, Bo Zhu, Nicolas Brüggemann
- 16.2. **Ground beetle biodiversity (Coleoptera: Carabidae) at an arable farm under conversion to organic cultivation in Eastern Austria**
Patrick Hann, Bernhard Kromp, Eva-Maria Frauenschuh
- 16.3. **Plant functional traits are responsive to gradients in land use intensity**
Patrick Lienin, Michael Kleyer
- 16.4. **Effects of management intensity and habitat complexity on the prey of web-building spiders**
Viktoria Mader, Klaus Birkhofer, Volkmar Wolters, Eva Diehl
- 16.5. **Effects of crops and soils on the diversity of the arable vegetation in Kosovo**
Arben Mehmeti, Demaj Adem, Zogaj Muhamet, Demelezi Imri, Rainer Waldhardt
- 16.6. **Diversifying crop rotations with perennial forage crops: Potential benefits for weed management & farmland biodiversity**
Helmuth Meiss, Nicolas Munier-Jolain, Jacques Caneill, Safia Médiène, Vincent Bretagnolle, Rainer Waldhardt
- 16.7. **Urban bryophyte vegetation – Biodiversity on a smaller scale**
Sandra Richter, Ingolf Kühn, Stefan Klotz, Helge Bruelheide
- 16.8. **Fertilization superimposes the legume effect on microbial efficiency in a grassland plant diversity gradient**
Tanja Strecker, Romain Barnard, Michael Scherer-Lorenzen, Stefan Scheu, Alexandra Weigelt, Nico Eisenhauer
- 16.9. **Seed banks of arable fields in Kosovo - Impacts of land use and soils**
Friederike Luebben, Rainer Waldhardt, Mehmeti Arben, Demaj Adem
- 16.10. **The end of an early plant succession phase is accompanied by declining seed rain**
Karoline Terleth, Markus K. Zaplata, Susanne Winter, Anton Fischer
- 16.11. **Biological fixation of atmospheric nitrogen by *Robinia pseudoacacia* L. in short-rotation plantations on post-mining sites in Lower Lusatia (Brandenburg, NE Germany)**
Maik Veste, Christian Böhm, Ansgar Quinkenstein, Dirk Freese
- 16.12. **Effects of nitrogen addition – load and form- and management on acidic grassland vegetation after three years**
Cassandre Gaudnik, E. Corcket, R. Bobbink, D. Alard
- 16.13. **Stumps as hot-spots of biodiversity**
Astrid Taylor, Anna Malmström, Tryggve Persson



17) Indicators of species diversity for ecological monitoring and assessment (Alessandro Chiarucci)

Scheduled: Monday 16h15 – 17h30

ORALS

1. **Apomictic species groups as indicators of man-made habitats: The genus *Taraxacum* in the Ruhr region**
Götz Heinrich Loos
2. **Monitoring global biodiversity: The Sampled Red List Index (SRLI)**
Monika Böhm, Nadia Dewhurst, Jonathan Baillie, Ben Collen
3. **Spatiotemporal distribution patterns of epigeic, endogeic and anecic earthworms on a catchment scale in agro-ecosystems**
Juliane Palm, Julian Klaus, Loes van Schaik, Erwin Zehe, Boris Schröder
4. **Vegetation dynamics and rangeland use in northwestern Namibia - Indicators for rangeland assessment**
Jenny Eisold, Anja Linstädter
5. **Indicators of species diversity in a network of protected areas as a tool for assessing ecological diversity and monitoring biodiversity**
Alessandro Chiarucci

POSTER

- 17.1. **A brute force approach to vegetation classification**
Sebastian Schmidlein, Lubomir Tichý, Hannes Feilhauer, Ulrike Faude



18) Remote sensing for biodiversity research and habitat assessment (Sebastian Schmidlein & Martin Wegmann)

Scheduled: Tuesday 16h15 – Wednesday 10h30

ORALS

- 1. Advances in forecasting species beta-diversity by remote sensing: Current status and future directions**
Duccio Rocchini, Harini Nagendra, Brian S. Cade, Kate He, Jens Oldeland, Rucha Ghate, Dirk Wesuls, Markus Neteler
- 2. Imaging spectroscopy for vegetation analysis - A case study in Brandenburg**
Annett Frick
- 3. Detailed Natura 2000 habitat mapping and reliable quality assessment with very high resolution hyperspectral imagery**
Toon Spanhove, Jeroen Vanden Borre, Guy Thoonen, Birgen Haest, Jianglin Ma, Stephanie Delalieux, Jonathan C-W Chan, Desiré Paelinckx
- 4. From mapping to modeling: Integrating multi-temporal remote sensing data into species distribution models at different spatial scales**
Anna Cord, Doris Klein, Stefan Dech
- 5. Spinning a laser web: Predicting spider distributions using lidar**
Jörg Müller, Kerri Vierling, Roland Brandl
- 6. Satellite-based assessment of the effectiveness of protected areas in Eastern Europe during transition**
Pedro J. Leitão, Jan Knorn, Anika Sieber, Leonid Baskin, Tobias Kuemmerle, Volker C. Radeloff, Patrick Hostert
- 7. Vanishing jungle – A study on the loss of orangutan habitat on Borneo**
Stefan Ziegler, Patrick Weber
- 8. Observations from space - Ecological change detection and carbon mapping in the Eastern Arc**
Marion Pfeifer
- 9. MS.MONINA - A GMES multi-scale service for habitat monitoring of European Community Interest**
Stefan Lang
- 10. 15 MIN DISCUSSION TIME**

POSTER

- 18.1. Application and evaluation of an object-based classification method for the acquisition of linear wooden landscape structures in the Muensterland region**
Julia Baumeister, Jan Thiele, Andreas Völker



19) Ecological modeling of complex systems (Hauke Reuter & Fred Jopp)

Scheduled: Wednesday 9h15 – 15h15

ORALS

1. **Spatio-temporal patterns of gene flow and dispersal under temperature increase**
Otto Richter
2. **A modelling approach to estimate regional dispersal processes: Case study on maize gene flow in Northern Germany**
Broder Breckling, Hauke Reuter
3. **Changes in bird distribution due to global warming – A first high resolution modeling approach for Germany**
Thomas Gottschalk
4. **Biome shift, tree cover change and climate driven uncertainty for 2050, West Africa**
Jonathan Heubes, Ingolf Kühn, Konstantin König, Rüdiger Wittig, Georg Zizka, Karen Hahn-Hadjali
5. **Simulating wildfires in Africa**
Veiko Lehsten, Almut Arneth
6. **A system ecology approach based on the combination of remote sensing and process modeling and its application to mangrove ecosystem in Vietnam**
Hoang Anh Nguyen, Otto Richter, Van Quy Pham
7. **Incorporating herbivore-plant-interactions into a population dynamics model of the green oak leaf roller (*Tortrix viridana*)**
Silke Knoche, Hilke Schröder, Ronald Bialozyt
8. **Ecological modelling in aquatic and terrestrial environments – How does the research object influence theory and practice**
Hauke Reuter, Fred Jopp
9. **Body mass and network structure drive food-web robustness against species loss**
Jens Riede, Ulrich Brose
10. **The next generation of biodiversity modeling: UIBM – the Universal Individual-Based Model**
Uwe Grueters
11. **Stray or stay? Evolution of dispersal polymorphisms can be triggered by a mobility-fertility trade-off**
Emanuel Fronhofer, Alexander Kubisch, Thomas Hovestadt, Hans Joachim Poethke
12. **Bet-hedging strategies in perennial grassland plants: Linking traits to stochastic growth**
Jakob Gerstenlauer, Kerstin Wiegand
13. **Quantifying the deviance of nature from forest model predictions**
Lorenz Fahse
14. **Distance correction avoids erroneous scale effects in species-habitat models**
Birgit Aue, Klemens Ekschmitt, Stefan Hotes, Volkmar Wolters
15. **Ecological Modeling - How-to teach complex dynamics?**
Fred Jopp



POSTER

- 19.1. **Comparing modeling approaches at two levels of biological organisation – Climate change impacts on selected Natura 2000 habitats**
Torsten Bittner, Anja Jaeschke, Björn Reineking, Carl Beierkuhnlein
- 19.2. **Temperature responses in physiologically structured population models for *Gammarus pulex* (L.)**
Anne-Kathrin Schneider, Sylvia Moenickes
- 19.3. **Individual based modelling of coral reef system dynamics**
Andreas Kubicek



20) Dealing with complexity in functional biodiversity research: Data, experiments and models (Florian Jeltsch)

Scheduled: Wednesday 9h15 – 12h15

ORALS

1. **Approximate Bayesian parameter estimation for a stochastic tropical rain forest model**
Florian Hartig, Claudia Dislich, Andreas Huth
2. **Linking response-and-effect traits to long-term carbon dynamics of forests via community ecology using a vegetation model**
Frederic Holzwarth
3. **Ecosystem services and disservices delivered by ants in cacao agroforests: A multi-level Bayesian SEM approach**
Yann Clough, Arno Wielgoss, Teja Tschardt
4. **Mainland-island or metacommunity dynamics? Models of plant diversity in a fragmented landscape**
Felix May, Itamar Giladi, Yaron Ziv, Florian Jeltsch
5. **Effects of plant diversity on plant water niche differentiation**
Marc-André Allers, Nina Buchmann, Romain Barnard
6. **Using plant functional types to better link models and data of grassland biodiversity**
Hans Pfestorf, Lina Weiß, Felix May, Florian Jeltsch, Daniel Prati, Markus Fische
7. **Drivers of parasitoid foraging behaviour under field conditions**
Clara-Sophie van Waveren, Katrin Meyer, Kerstin Wiegand, Martijn Bezemer
8. **Inference from data in complex models: A Bayesian approach**
Thomas Hovestadt, Joseph Chipperfield
9. **A data portal for a biodiversity ecosystem functioning research unit**
Karin Nadrowski, Christian Wirth
10. **15 MIN DISCUSSION TIME**

POSTER

- 20.1. **The intelligent plant: Paradox or ecological reality?**
Katrin Meyer, Leo Soldaat, Harald Auge, Hans-Hermann Thulke



21) Biodiversity & Society (Margherita Gioria)

Scheduled: Thursday 9h15 – 12h15

ORALS

1. **On the notion of ecological justice**
Stefanie Glotzbach
2. **Marrying forest biodiversity conservation strategies with indigenous peoples cultural beliefs in the climate change era: Glimpses from Guyana and Ghana**
John Cartey Caesar
3. **The Economic importance of non-timber forest products for livelihood maintenance of rural communities in Westafrican savannas: A case study from Benin**
Katja Heubach, Rüdiger Wittig, Karen Hahn-Hadjali
4. **An integrative ecological approach towards Insect conservation in a mediterranean agricultural landscape: The case of insect (Odonata) fauna in the Maltese Islands**
Mario V. Balzan
5. **Moral concerns about the use of GM crops: A review of scientific publications in the field of ecology and environmental ethics**
Daniel Gregorowius
6. **Young people's perception of different habitats in botanical gardens**
Katrín Lückmann, Verena Lagemann, Susanne Menzel
7. **Young adolescents' arguments about recurring wild animals in Germany**
Nadin Hermann, Susanne Menzel
8. **What do biology teachers know about the distribution and loss of biodiversity? Perspectives from a biodiversity hotspot (Costa Rica) and an industrial country (Germany)**
Florian Fiebelkorn, Susanne Menzel
9. **From Haeckel to ecological modelling - Vifabio as a guide to scientific ecology in libraries and on the internet**
Gerwin Kasperek, Judith Dähne
10. **15 MIN DISCUSSION TIME**

POSTER

- 21.1. **The traditional knowledge of the csángó peoples - Ethnogeobotanical studies in Gyimes**
Daniel Babai, Zsolt Molnar
- 21.2. **Family farm succession and impacts on HNV farming in Transylvania, Romania**
Krystyna Larkham
- 21.3. **Value and impact of SABI (south african biosystematics initiative) in stimulating biosystematics research in south africa**
Frank Mazibuko
- 21.4. **Development of a holistic evaluation method for ecosystem services on a regional scale**
Claudia Schröder, Vera Luthardt, Florian Jeltsch
- 21.5. **The Pogány-havas (Pagan Snow Cap) Region**
Robert Biro, Gergely Rodics



21.6. Costs and benefits of alternative arable production systems in Kosovo – An ecosystem services approach
Iliriana Miftari, Mujë Gjonbalaj



22) Improving the global and national science-policy interface on biodiversity - Instruments and application (Carsten Neßhöver & Katrin Vohland)

Scheduled: Wednesday 16h15-18h15

1. **The structure of IPBES as an international science-policy interface**
Axel Paulsch, Carsten Neßhöver, Christoph Görg
2. **The biodiversity research landscape in Germany**
Elisabeth Marquard, Katrin Vohland, Markus Fischer
3. **Network-Forum Biodiversity Research Germany – Instruments to increase political impact of biodiversity research**
Katrin Vohland, Carsten Neßhöver, Axel Paulsch, Elisabeth Marquard, Sebastian Tilch, Christoph Häuser
4. **15 MINUTES DISCUSSION TIME**
5. **To be announced**
Andreas Kruess
6. **To be announced**
Carsten Neßhöver
7. **15 MINUTES DISCUSSION TIME**



23) Ecological risks (Juliane Filser)

Scheduled: Thursday 14h00 – 15h45

ORALS

1. **Cassava biodiversity, starch extraction from Cassava tubers in South India and related environmental problems**
Gero Benckiser, Soora Maya, Rajendran Ranjithkumar, Kandasamy Sujatha, Dananjeyan Balachandar, Krishnamurthy Kumar
2. **Reproductive potential of oilseed rape (*Brassica napus* L.) and its relatives on ruderal sites – Implications for GMO risk assessment**
Jana Seeger, Broder Breckling, Juliane Filser
3. **Effects of genetically modified wheat on annelids**
Andreas Lindfeld
4. **Cereal aphids, powdery mildew and transgenic disease-resistant wheat - Indirect effects of GM wheat through insect pathogen interactions**
Simone von Burg, Fernando Alvarez, Jörg Romeis
5. **The role of deposited aerosols for plant ecophysiology**
Jürgen Burkhardt
6. **Why should nanotechnology bother ecologists?**
Juliane Filser
7. **15 MIN DISCUSSION TIME**



24) Nature conservation and sustainable management: Concepts, strategies and examples (Nina Farwig & Ilona Leyer)

Scheduled: Monday 16h15 – Tuesday 10h30

ORALS

1. **Species conservation in protected areas under climate change: Problems, trends and future needs in scenario development and forecasting**
Mungla Sieck, Jeltsch Florian, Ibisch Pierre
2. **Long-term conservation and promotion strategies for the arable plant vegetation in Germany**
Thomas van Elsen, Stefan Meyer, Martin Dieterich, J. Metzner & C. Leuschner
3. **Promoting farmland birds in high-intensity agricultural areas: From occurrence data to landscape management**
Pedro J. Leitão, Carsten F. Dormann, Sarah Effertz, Bernd Gruber, Mathias Scholz, Klaus Henle
4. **Experiences from population genetic analyses for regionally focused nature conservation strategies**
Birgit Gemeinholzer, Daniel Lauterbach, Michael Ristow, Elke Zippel, Andreas Herrmann
5. **Genetic diversity vs. habitat quality – Effects upon plant fitness in the endangered *Silene chlorantha***
Daniel Lauterbach, Birgit Gemeinholzer
6. **Phylogeographical patterns of the noble crayfish (*Astacus astacus*) and recommendations for a regional conservation project in Hessen, Germany**
Anne Schrimpf, Holger Schulz, Ronald Polivka, Christoph Dümpelmann
7. **Europe's dragonflies on the move**
Anja Jaeschke, Torsten Bittner, Björn Reineking, Helmut Schlumprecht, Carl Beierkuhnlein
8. **Variation of biomass quality in chalk grasslands – Consequences for conservation management**
Till Kleinebecker, Heidi Weber, Norbert Hölzel
9. **Cessation of traditional land-use and its effect on biodiversity in a sandy desert in Israel**
Ittai Renan, Pua Bar (Kutiel), Eli Groner, Amnon Freidberg
10. **Sustainable resource use – An approach to combine bioenergy, climate and nature protection**
Christian Hildmann

POSTER

- 24.1. **Innovative waste management for open-air festivals: Minimizing environmental damage caused by crowds in semi-natural landscapes**
Arne Cierjacks, Friederike Behr, Ingo Kowarik
- 24.2. **The influence of genotype of donor plants on the induction of embryogenesis of DH-lines of brassicas**
Mykola Klymchuk
- 24.3. **Factors influencing early grassland succession in the Eifel National Park: Wild boar (*Sus scrofa*), field paths, former land-use and neighbourhood relationships**
Klara Krämer, Silvana Siehoff, Gottfried Lennartz, Martina Roß-Nickoll



- 24.4. **Biodiversity scenarios for the 21st century**
Cornelia Krug, Paul Leadley, Anne Larigauderie
- 24.5. **Recultivation and sustainable biofuel production in former mining areas?**
Elisabeth Kuhnert, Maximiliane Huth, Stefan Hempel, Jessica Gutknecht, Harald Auge
- 24.6. **The effect of branch length estimates on measures of phylogenetic diversity**
Stefan Michalski, Ingolf Kühn, Oliver Schweiger
- 24.7. **Monitoring high nature value grassland in Transylvania, Romania**
Laura Sutcliffe, Krystyna Larkham
- 24.8. **Proposal for the creation of a new Natura 2000 site in the Csík mountains (Munții Ciucului), Eastern Carpathians, Romania**
Anna-Mária Csergő, László Demeter, Zsolt Molnár, Gusztáv Jakab



25) Basics and tools for effective conservation in mammals / Grundlagen und Instrumente für effektiven Artenschutz bei Säugetieren (Jorge A. Encarnação & Uwe Kierdorf) – German Session

Scheduled: Thursday 9h15 – 15h45

ORALS

1. **Effects of contaminant exposure on mammal populations – Large mammals and fluoride / Einfluss von Schadstoffbelastungen auf Säugetierpopulationen – Fluorid und Großsäuger**
Uwe Kierdorf
2. **Monitoring of large mammals with a combination of aerial infrared and high resolution RGB images in forested areas – A status report / Monitoring von Großsäugern in Waldlandschaften mittels Luftbildern**
Ulrich Franke, Bianca Goll, Felix Wilmes, Ulf Hohmann, Anja Stache, Marco Heurich, Niels Hahn
3. **Bats and small mammals as model species of ecological research / Fledermäuse und Kleinsäuger als Modellarten ökologischer Forschung**
Jorge A. Encarnação
4. **Feeding ecology and conservation of the Pond bat (*Myotis dasycneme*) / Nahrungsökologie und Schutz der Teichfledermaus (*Myotis dasycneme*)**
Frauke Krüger
5. **Relevance of movement ecology and energetics for bat conservation / Bedeutung energetischer Grundlagen für den Fledermausschutz**
Nina I. Becker, Jorge A. Encarnação, Marco Tschapka, Elisabeth K. V. Kalko
6. **Current state of conservation data storage in Hesse / Stand der Naturschutzdatenhaltung in Hessen**
Bernd Rüblinger
7. **Habitat distribution models as instruments for effective conservation efforts / Habitatmodelle als Instrumente für effektiven Artenschutz**
Tobias Erik Reiners, Jorge A. Encarnação
8. **The situation of beavers (*Castor fiber albicus*) in Germany / Zur Situation des Elbebibers (*Castor fiber albicus*) in Deutschland**
Dietrich Heidecke, Annett Schumacher, Jens Teubner, Jana Teubner
9. **Beaver in the Southwest of Germany / Biber in Südwestdeutschland**
Rainer Allgöwer
10. **Large carnivores in Germany – Challenges for Nature Conservation / Große Karnivoren in Deutschland – Herausforderungen an den Naturschutz**
Andreas Kruess
11. **A safety-net for the wildcat / Ein Rettungsnetz für die Wildkatze**
Thomas Norgall, Thomas Mölich
12. **Wild cats - Research past and present / Wildkatzen – Forschung in Vergangenheit und Gegenwart**
Clara Stefen
13. **The Eurasian lynx in the Greater Bohemian Forest Ecosystem – Management implications based on space use and prey distribution / Der eurasische Luchs im Ökosystem Bayrischer Wald – Schlußfolgerungen zum Management auf Grundlage von**



Raumnutzung und Beuteverbreitung

Anja Stache, Tom Brand, Manon Kaandorp, Sabine Müller, Marco Heurich

14. **Evaluation of two successive camera-trapping sessions of Eurasian lynx (*Lynx lynx*) using digital cameras to reveal survival, population trends and abundance estimates / Evaluierung zweier sukzessiver Fotofallenmonitorings des Europäischen Luchses (*Lynx lynx*) zur Aufdeckung von Überleben, Populationstrends und Abundanzschätzungen**
Kirsten Weingarh, Luděk Bufka, Felix Knauer, Marco Heurich
15. **The raccoon (*Procyon lotor* L., 1758) – An invasive species in Germany? / Der Waschbär (*Procyon lotor* L., 1758) – Eine invasive Art in Deutschland?**
Irina Muschik, Berit Köhnemann, Frank-Uwe Michler
16. **Two for the road? / Andenbär (*Tremarctos ornatus*) und Straßenbau in Ecuador**
Sofia Eichhorn, Frank von Walter, Jan Barkman
17. **15 MIN DISCUSSION TIME**

POSTER

- 25.1. **Home range dynamics of red deer (*Cervus elaphus*) at multiple scales**
Mirjana Bevanda, Claudia Dupke, Lorenz Fahse, Marco Heurich, Björn Reineking
- 25.2. **Capture success and -efficiency of trawling bats**
Marko Böhm, Jorge A. Encarnação
- 25.3. **Basal metabolic rate of male Daubenton's bats in relation to microclimate, habitat location and group size**
Moritz Krafft, Nina Becker, Elisabeth K. V. Kalko, Jorge A. Encarnação
- 25.4. **Genetic diversity of common hamster populations revealed by non-invasive genetics**
Tobias E. Reiners, Jorge A. Encarnação, Volkmar Wolters
- 25.5. **Habitat-dependent diversity and community structure of forest inhabiting dwelling bats and small mammals**
Melanie Richter, Tobias E. Reiners, Jorge A. Encarnação
- 25.6. **Comparative analysis of prey attacks in Daubenton's bats (*Myotis daubentonii*) at natural foraging areas and in a flight-tent**
Ralf Sauerbrei, Jorge A. Encarnação
- 25.7. **GIS-based analysis and spatial modeling of roost-site selection by Daubenton's bats (*Myotis daubentonii*)**
Dominika B. Pfeifer, Tobias E. Reiners, Jorge A. Encarnação
- 25.8. **Waste not, want not – Thermoregulation in male Daubenton's bats**
Jorge A. Encarnação, Nina I. Becker, Matthias S. Otto
- 25.9. **Retention times of the gastrointestinal tract of Central European bats**
Anna Roswag, Nina I. Becker, Jorge A. Encarnação
- 25.10. **Three peas in a pod? Energetics of three sympatric gleaning bats**
Nina I. Becker, Jorge A. Encarnação, Marco Tschapka, Elisabeth K.V. Kalko



26. OPEN TOPICS

POSTER

- 26.1. **Biogeography and genetic diversity of phyllosphere pink-pigmented facultative methylotrophic bacteria**
Stefanie A. Wellner, Nicole Lodders, Peter Kämpfer
- 26.2. **Characterisation of nitrogen deposition and source attribution by using N-concentrations and $\delta^{15}\text{N}$ -signatures of epiphytic lichens (*Xanthoria parietina* and *Hypogymnia physodes*) in Germany**
Stefanie H. Boltersdorf, Willy Werner
- 26.3. **A novel automatic minirhizotron system for root research**
Maik Veste, Jürgen Müller, Andreas Bolte, Hans-Peter Schäfer, Gerhard Kast
- 26.4. **Seed surface structure: An easy measurable trait related to seed dispersal**
Christina Hoppe, Oliver Tackenberg
- 26.5. **Physical-chemical properties of different biochars**
Sonja Schimmelpfennig, Bruno Glaser
- 26.6. **Quantification of nitrogen transformation processes in terrestrial ecosystems**
Christoph Müller

