

Poster session

Posters shaded in grey are eligible for the Merian Award

		Poster area	Position
S1	Plant-animal interactions across natural and human-induced environmental gradients		
S1-P1	Dietmar Zinner Does baboon seed dispersal promote invasion by <i>Opuntia</i> ?		
S1-P2	Elisabeth Ofner Vegetation composition and functional diversity along environmental gradients in a southern African savanna		
S2	Applied molecular ecology in the tropics		
S2-P1	Paulina Zigeliski Trees going underground: How genetics and environment shape the Zambezian Miombo Region		
S2-P2	Seyedmahmo Monemian Introducing a new method by applying molecular biology to the ecosystem damage assessment of the natural tropical forest of south of Iran		
S2-P3	Natalie Breidenbach Change of genetic diversity of dominant plant species communities in tropical lowland rainforest transformation systems in Sumatra (Indonesia)		
S4	Tropical wetland ecology		
S4-P1	Esmail Kouhgard Investigation of macro algae and seaweeds biodiversity of Bushehr coastal area		
S5	Developing sustainable land use and functional monitoring systems for the Ecuadorian Andes to cope with environmental change effects - Towards Access and Benefit Sharing (ABS)		
S5-P1	David Siddons Using acoustic monitoring to augment richness surveys of bats in montane cloud forest in Ecuador		
S5-P2	Edwin Zárate Shiny app to simplify and standardize validation of georeferenced data		
S5-P3	Ingeborg Haug Arbuscular mycorrhizal communities in South Ecuador from 1000 m to 4000 m		
S5-P4	Paulina Alava Núñez Estimations of evapotranspiration in a tropical mountain forest		
S5-P5	Carlos Manchego Climate change implications for tree species important for local livelihoods in Southern Ecuador		
S5-P6	Patrick Hildebrandt Tree species diversity, structure and natural regeneration in Tumbesian Dry Forests		
S5-P7	Andre Velescu Nutrient availability drives dissolved organic matter cycling in a tropical montane forest of Ecuador		
S5-P8	Jhenny Salgado Effects of continued N and P addition on tropical montane tree root architecture		
S5-P9	Tobias Fabian Sodium shortage increases Na retention in the phyllosphere and affects decomposition processes in a tropical montane forest in South Ecuador		

- S5-P10 **Julian Mattes** Nutrient use of ants along an elevation gradient in natural and disturbed mountain rainforests in Southern Ecuador
- S5-P11 **Leonie Greiner** Texture images derived from remotely sensed data as tool for mapping bird feeding guilds in a tropical mountain forest
- S5-P12 **Galo Carillo Rojas** Assessment of an energy-balance model for evapotranspiration mapping over the Andean Páramo of Southern Ecuador
- S7** **Human-modified tropical forests? Impacts of forest degradation and biodiversity loss on tropical ecosystem functioning**
- S7-P1 **Eleanor Slade** The LOMBOK project: Land-use Options for Maintaining Biodiversity and eKosystem Functions across human-modified tropical landscapes
- S7-P2 **Bartosz Majcher** Impact of rainforest degradation on the biodiversity of epigeic and soil invertebrates in lowland ecosystems of southern Costa Rica
- S8** **Biogeochemistry and biodiversity of tropical forest ecosystems in a changing climate: Relating observations to modelling**
- S8-P1 **Henry Hooghiemstra** Evolution of high North Andean mountain biomes during the Quaternary
- S8-P2 **James Smith** Untangling the liana dominance hypothesis: are lianas increasing in an aseasonal Neotropical forest?
- S9** **Land use change and land management: regional conflicts and sustainable development of tropical ecosystems**
- S9-P1 **Wiebke Niether** The contribution of shade tree management on throughfall and microclimatic conditions in cocoa production systems
- S9-P2 **Opeyemi Anthony Amusan** Impact of land-use and soil quality on sustainable production of cocoa in Nigeria
- S9-P3 **Marion Karmann** Monitoring and evaluation of impacts of FSC forest management certification
- S9-P4 **Ulrike Hiltner** Impacts of precipitation variability on the dynamics of a dry tropical montane forest
- S9-P5 **Tiago Breier** Forest seeds for ecological restoration and agroforestry in Haiti
- S9-P6 **Luisa F. Vega** Experimental C and N enrichment of tropical farm soil from the Brazilian Cerrado (Sinop-MT)
- S9-P7 **Mónica Salazar** Land use and land management during the past century determine mangrove dynamics in northwestern Puerto Rico: the case of the Maracayo mangrove
- S9-P8 **Maria Rocha** How the pesticides can affect the maintenance of the beehive, and what are the possible consequences for pollination services provided by them
- S9-P9 **Inocencio Buot Jr** Conservation of socioecological production landscapes: the case of the open online course of the University of the Philippines - Open University

- S10 Past, present and future of tropical (wetland) ecosystems**
- S10-P1 **Maria Carolina Guarinello de Oliveira Portes** Palaeoecological studies of upper montane *Araucaria forest* and grasslands in southeastern Brazil
- S10-P2 **Thomas J. Kelly** A detailed reconstruction of the late Holocene development of an Amazonian peatland
- S10-P3 **Encarni Montoya** *Mauritia* wetlands in northern South America: A palynological study of the Gran Sabana region (SE Venezuela) within a Neotropical context
- S10-P4 **Fang Gu** The sea level change reconstruction inferred from marine sediment cores in southern Brazil
- S10-P5 **Marie-Luise Schnetter** Changes of mangrove vegetation after destruction and regeneration in the Barra Viéja lagoon (Ciénaga Grande de Santa Marta, Colombia)
- S10-P6 **Anastasia Poliakova** Last ca 2800 yr history of the Java Sea environment reconstruction based on the organic-walled dinoflagellate cysts
- S10-P7 **William Gosling** 8000 years of environmental change from Lake Lanotoā, Samoa (Polynesia)
- S10-P8 **Paula A. Rodríguez-Zorro** Vegetation changes and human impact inferred from an oxbow lake in southwestern Amazonia, Brazil since the 19th century
- S10-P9 **Suzette G. A. Flantua** Overview of Quaternary pollen records in Central and South America, Caribbean and Mexico
- S10-P10 **Anna Weigand** Performance of a new climate model (CHELSA) in tropical mountains
- S10-P11 **Kamaleddin Alizadeh** The Amazon rainforest expansion at the boundary of Holocene and Pleistocene
- S11 Biodiversity, biotic interactions and ecosystem processes along elevational gradients**
- S11-P1 **Katerina Sam** Ecology of bird communities along an elevational tropical gradient in Papua New Guinea
- S11-P2 **Valeria Guzmán-Jacob** Diversity of vascular epiphytes along gradients of elevation and anthropogenic influence at Cofre de Perote, Veracruz, Mexico
- S11-P3 **Phyo Kay Kine** First plot based richness data of ferns and angiosperms along elevational gradients in Myanmar and the Himalayas
- S11-P4 **Teresa Schwarzkopf** Vegetation patterns on seven high-Andean summits: Results of two Venezuelan sites of the GLORIA climate change network
- S12 Free topics**
- S12-P1 **Lucas Jurkschat** Allometric scaling relationships in the morphology of temperate and tropical arthropods
- S12-P2 **Minnattallah Boutros** National park management in Africa: protecting biodiversity in the framework of development cooperation

- S12-P3 **Anikó Kurali** Bat conservation in Cusuco: trends of annual monitoring in the cloud forest fauna
- S12-P4 **Gabriel Arellano** A standard protocol for woody plant inventories and soil characterization using temporary 0.1-ha plots in tropical forests
- S12-P5 **Jürgen Niedballa** mtrapR: An R package for efficient camera trap data management
- S12-P6 **Mareike Liess** Sampling for regression-based spatial prediction: closing the gap between statistical desires and operational applicability
- S12-P7 **Alexandra C. Ley** The evolutionary history of central African rain forest plants: phylogeographic insights from sister species of the liana *Haumania* (Marantaceae)
- S12-P8 **Alma Patricia Bautista Bello** Taxonomic review of *Hoffmannia* Sw Genre. (Rubiaceae) in Veracruz State
- S12-P9 **Pedro Díaz Jiménez** Reproductive biology of *Spathiphyllum cochlearispathum* and *Spathiphyllum ortgiesii* (Araceae) in Los Tuxtlas, Veracruz, Mexico
- S12-P10 **Mohamed Mohamed** Occurrence of *Bacillus cereus* in raw milk with reference to its molecular profile diversity
- S12-P11 **Jyoti Kashyap** Fire frequency and its effect on the habitat use of Four-horned Antelope and Sambhar) in dry deciduous forest in India
- S12-P12 **Gloria Gessinger** Oral emission of echolocation calls in phyllostomid bats?
- S12-P13 **Jan Philipp Bechler** *Merinthopodium neuranthum* as reliable, but less profitable energy source for Neotropical nectar-feeding bats
- S12-P14 **Salma Begum** Macro-benthic assemblage of the gateway to the mangrove Sundarbans ecosystem, Bangladesh
- S13** **Managing oil palm landscapes for biodiversity and production: lessons from SE Asia**
- S13-P1 **Nattapoom Nunto** The appropriate technique for water quality assessment in oil palm plantations
- S13-P2 **Dakota Spear** Spider diversity in the oil palm landscape
- S13-P3 **Hsiao-Hang Tao** Long-term effects of crop residue application on soil biota activities and functions in oil palm agroecosystems
- S13-P4 **Anne Gérard** Ecological restoration in an oil palm landscape: early performance of trees planted in a biodiversity enrichment experiment
- S14** **Tropical forest landscapes: from ecology to sustainable management**
- S14-P1 **Isaac Unoo** A win:win tropical landscape restoration: evidence from cocoa agroforestry system
- S14-P2 **Catalina Gutiérrez-Chacón** Bee diversity responses to landscape composition in the Andes of Colombia
- S14-P3 **Francisco Gonçalves** Impact of emerging charcoal production in the Miombo woodlands of Chitembo, south-central Angola

S14-P4 **Maria Teresa Vilela Nogueira Abdo** Vegetation characterization by edaphic and phytosociological attributes, Pindorama Biological Reserve-SP- Brazil

S15 German and European tropical ecology and biodiversity research in Peru

S15-P01 **Yves Zinngrebe** Building communal capacities in the Amazon along FOCAL: a strategy to halt and reverse deforestation

S16

S16-P1 **Seyedmahmo Monemian** Evaluation of the abundance and frequency of the regeneration status of the primary forest in the Cuc Phuong National Park in Vietnam

S17 Linking functional traits with ecosystem processes along tropical environmental gradients

S17-P1 **Laura Salazar** A comparison of biomass, productivity and leaf functional traits between terrestrial ferns and trees along an Andean tropical elevational gradient

S17-P2 **Marian Cabrera-Pantoja** Paramo response to human influence: a trait-based approach

S17-P3 **Juan F. Doeñas-Serrano** Effects of altitude and time on arbuscular mycorrhizal fungal community dynamics: A case study from the south Andes of Ecuador

S18 Knowing the unknown, Making the most of scant data on rare species and ecosystems

S18-P1 **Melanie Forker** From identification to floristic comparison of Caatinga-forests

DAAD ALUMNI

DAAD-P1 **John Abraham** Potential long-term effect of farm herbicide application on arthropod diversity and abundance

DAAD-P2 **Ashabul Anhar** The effects of land use changes on belowground carbon loss in Tripa Peat Swamp Forest

DAAD-P3 **Victor Daniel Ávila Akerberg** Guadalupe dam catchment, a forested and biodiverse rural to urban region near Mexico City

DAAD-P4 **Verónica Chávez Calvimontes** Land use change and sustainability through Reciprocal Watershed Agreements in the Bolivian forests

DAAD-P5 **Renezita Come** Carbon Stocks assessment of a reforestation site in marginal upland in Leyte (Philippines)

DAAD-P6 **José R. Ferrer-Paris** Endangered species in endangered ecosystems: Assessment of endemic butterflies in Venezuela

DAAD-P7 **Marcos Airton de Sousa Freitas** Drought forecasting, assessment and water allocation strategies under climate change: The 2011-2015 drought period in northeast Brazil and the water crisis of the Cantareira System (São Paulo)

- DAAD-P8 **Tanya M. González Martínez** Substitution of a traditional diet as a risk factor for socio-environmental health in rural areas of central Mexico
- DAAD-P9 **Sadika Haque** Common resource management by different users with diverse interests: a sustainability
- DAAD-P10 **Temitope Kehinde** Insect diversity conservation: status of the tropical ecosystem in Nigeria
- DAAD-P11 **Rose N. Kigathi** Plants suppress their emission of volatiles when growing with conspecifics
- DAAD-P12 **Ines Ksentini** Role of soil cover and wild vegetation in maintaining biodiversity and beneficial fauna in the olive groves
- DAAD-P13 **Adia Lazos** Uses of trees in the Mexican tropics
- DAAD-P14 **Liza Melina Meza Flores** Cocoa production for sustainable development in forest regions? The case of a producers association in Satipo, Perú
- DAAD-P15 **Jerónimo Rodríguez Escobar Rosemary Murori** Progress in rice research activities in Eastern and Southern Africa
- DAAD-P16 **The Long Ngo** The status of rare tree species following logging in a tropical limestone forest, Northern Vietnam
- DAAD-P17 **Lilian Nkengla** Women and forest management in rural communities in the South West Region of Cameroon
- DAAD-P18 **Rindrahatsarana Ramanankirahina** Reducing the pressure on the critically endangered blue-eyed black lemur by means of education and technical support to the population
- DAAD-P19 **Walter Benjamín Rivera Coria** Challenges for planning and public management about the “Mother Earth” regulations
- DAAD-P20 **Jerónimo Rodríguez Escobar** Applying the Ecological Integrity (IE) concept for the management of the Bitá River (Eastern Colombia)
- DAAD-P21 **Ariel Rodríguez-Vargas** A model of sustainability analysis in La Amistad Panama Biosphere Reserve
- DAAD-P22 **Marwa Shumo** Black soldier flies driven-feed: Achieving the rising demand for protein through recycling organic waste
- DAAD-P23 **Paul Szejner** Using stable isotopes in tree-rings to understand tree performance
- DAAD-P24 **Zin Myo Thu** Challenges in conserving and managing coastal and marine ecosystems of Myanmar
- DAAD-P26 **Claudia Heindorf** An exhaustive plant list of tropical homegardens in Mexico and arguments for their conservation.
- DAAD-P27 **Ephraim Sekyi-Annan** Integrated performance assessment of reservoir-based irrigation schemes in the Upper East region of Ghana
- DAAD-P28 **Aymé Muzo** Emergence of oil palm and its land-use change dynamics in the Peruvian Amazon: smallholders and large scale business models