

Biodiversity of Africa – Observation and Sustainable Management for our Future!

International Congress, 29 Sep – 3 Oct 2008,
organised by BIOTA AFRICA

Poster Presentations (Version 26th September 2008)

Poster sessions are planned for Wednesday and
Thursday afternoon (1st and 2nd October).

This list is organised according to the congress topics.

BIOTA AFRICA Topic 1: Towards an African Biodiversity Observation System

Title	Authors
Checklist of the Flora of Burkina Faso – Out soon	Dressler, Schmidt, Thiombiano, Hahn-Hadjali, Guinko, Zizka
Gradients of species diversity on the Saharan fringe in Southern Morocco	Finckh, Oldeland, Augustin
Changes in vegetation cover in Namibian Savannas as retrieved by remote sensing and its relationship to precipitation and land use	Gessner, Hüttich, Keil, Schmidt
Acoustic assessment of insect fauna in fragmented and natural areas	Grant, Samways
Plant-pollinator networks in an agriculture-forest mosaic and how to conserve them	Hagen, Gikungu, Kraemer
The ant diversity of a Congo-Guinean rain forest in western Kenya	Hita Garcia, Fischer, Peters
Vegetation type mapping in North-Eastern Namibia based on botanical assessments and multi-scale satellite observations	Hüttich, Gessner, Keil, Schmidt, Strohbach
Reconstruction of migration pathways of plants adapted to semiarid to arid regions in Southern Africa using molecular markers	Jürgens, Oncken, Rudolph
Satellite remote sensing for biodiversity – As part of the BIOTA project in West Africa	Landmann, Wegmann, Fahr, Schmidt, Dech
Demography and biodiversity	Lang, Limpricht, Linke, Naumann, Pröpper
Cultural biodiversity knowledge – Uses and impact	Lang, Limpricht, Linke, Naumann, Pröpper, Schnegg
Biodiversity research: The holistic approach in anthropology	Lang, Limpricht, Linke, Naumann, Pröpper, Schnegg
Modelling spatial pattern of biodiversity using imaging spectroscopy	Lieckfeld, Oldeland
Variation of Lepidoptera biodiversity along an aridity gradient in central Namibia	Mey

Identification books for selected insect groups	Mey, Deckert, Koch
Remote sensing based determination of the percentage tree cover for biodiversity assessments in West Africa	Schramm, Machwitz, Landmann, Schmidt, Conrad, König, Dech
Biodiversity monitoring in Europe: The EU FP7 EBONE project European Biodiversity Observation Network	Vogel, Jongman
Fire distribution in West African Savannas using satellite data	Yao, Landmann, Schmidt, Konaté, Dech, Linsenmair
Foliicolous lichens as bioindicators for different forest types in Kakamega Forest	Yeshitela, Killmann, Sérusiaux, Fischer
Assessment and spatial pattern analysis of soil lichens along the BIOTA Southern Africa transect	Zedda, Kong, Rambold

BIOTA AFRICA Topic 2: Process Analysis

Title	Authors
Alteration of species interactions and spatial patterns under exclosure conditions in Moroccan steppes	Augustin, Finckh
Genetic structure of two demographic stages of the animal-dispersed tree <i>Prunus africana</i>	Berens, Braun, Griebeler, Böhning-Gaese
Rangeland degradation in arid savannas. Consequences for animal diversity	Blaum, Rossmannith, Seymour, Wasiolka, Meyer, Jeltsch
Understanding mechanisms and processes of possible climate and land use changes on species diversity: The BIOTA Kalahari Biodiversity Simulator KBioSim© - An educational and management tool	Blaum, Schwager, Rossmannith, Tews, Wichmann, Jeltsch
Mechanistic distribution models for Fynbos Proteaceae and their use for conservation management	Cabral, Schurr
Over-utilisation of communal farmland: Effects on the soil seed bank and limitations for veld regeneration	Dreber
Tree growth monitoring, a way of detecting the response of trees to climate change, and an African Tree Growth Network (ATGN) as a vision for the future	Gliniars, Becker, Musila, Oesker, Todt, Dalitz
Multi-scale distribution patterns of termite mounds in central Namibia – Implications for ecosystem functioning	Grohmann, Oldeland, Petersen, Gröngröft, Linsenmair
A conceptual state-and-transition model of vegetation change in the Highland Savanna: How well does the data fit it thus far?	Joubert, Smit
Predicting tropical bird diversity in response to climate change: Are woody plants a lag factor?	Kissling, Field, Korntheuer, Heyder, Böhning-Gaese
Dynamical linkage of ecological and economic models of Namibian commercial rangelands: Assessing land use impacts and identifying sustainable land use strategies	Lohmann, Blaum, Domptail, Popp, Rossmannith, Jeltsch
A generic savanna model for modelling vegetation dynamics	Meyfarth, Tietjen, Strohbach, Wesuls, Gröngröft, Rossmannith, Blaum, Jeltsch

Fish diversity of the Pendjari National Park	Moritz, Linsemair
Climate reconstruction using climate-growth relationships of tropical tree species in West Africa	Orthmann, Schöngart, Hennenberg, Worbes, Sinsin, Porembski
Towards a sustainable use of the devil's claw (<i>Harpagophytum procumbens</i>) – Results from a simulation model	Schütze, Blaum, Tietjen, Strohbach, Rossmanith, Jeltsch
Small-scale vegetation-dynamics on different soils on the Etjo Erosion plains	Strohbach, Van Rooyen
Plant functional types of vegetation and their distribution over time and space on the Etjo Erosion Plains	Strohbach, Van Rooyen
Combining plant functional types and landscape functional analysis – Possible new tool for rangeland managers?	Strohbach, Van Rooyen
Climate change impacts on shrub encroachment: A simulation study of the coupled dynamics of water and vegetation in drylands	Tietjen, Zehe, Jeltsch
Spatial heterogeneity of abiotic factors – Affecting species diversity in Kakamega Forest	Todt, Gliniars, Musila, Oesker, Dalitz
Functional classification of vegetation as an instrument to detect indicators for rangeland degradation	Wesuls, Dreber, Oldeland
Upscaling hydrological processes in a Namibian savanna	Wieczorek, Tietjen, Blaum, Jeltsch, Rossmanith
Soil features influencing lichen diversity at the BIOTA observatories in Namibia	Zedda, Gröngroft, Petersen, Miehlich, Kong, Rambold

BIOTA AFRICA Topic 3: Land Use, Impact and Value

Title	Authors
Soils characteristics and phytodiversity in protected and pastoral, land used area in Burkina Faso and Benin	Anne, Runge
Rural water supply in Namibia: Effects on natural resource management and livelihoods	Bock, Falk, Kirk
Pesticide residues in soil, water and crops resulting from cash crop cultivation in Benin and Burkina Faso	Bonzi-Coulibaly, Tapsoba, Stechert, Kolb, Bahadir
Scientific and farmer perception of the great diversity of veld types in arid southern Namibia	Domptail, Dreber, Petersen
Diversity islands of special ecological and socio-economical relevance: Sustainable use of termite mounds and their products	Erpenbach, Hahn-Hadjali, Reichmann, Korb
Patterns of biodiversity and land use impact in Soebatsfontein, a biodiversity hotspot in South Africa	Falk, Gröngroft, Herpel, Linke, Petersen, Schmiedel, Vollan, Weber, Zedda
Influence of former cultivation on the endangered renosterveld in the Cape lowlands (South Africa) and implications for restoration management	Heelemann, Krug, Esler, Reisch, Poschlod
Seed banks, germination and the regeneration of Cape lowland Renosterveld	Heelemann, Krug, Esler, Reisch, Poschlod
Termite communities along a habitat degradation	Kaib, Kagezi, Brandl

gradient: Patterns and processes for ecosystem function

Termites as key elements in soil restoration (Zaï system, Burkina Faso)	Kaiser, Konaté, Linsenmair
Rural livelihood, land management and biodiversity – Community participation for biodiversity conservation	Kenea Negero
Utilisation, loss and conservation of plant diversity in cacao plantation areas: Case studies from central Côte d'Ivoire (Lamto Reserve and Oumé area)	Konan, Piba, Koulibaly, Kouamé, Goetze, Traoré, Porembski
The impact of land use type on the diversity of ants in the LAMTO region (Côte d'Ivoire)	Koné, Souleymane, Linsenmair
Estimation of fungus-growing termites and their symbiotic fungi (<i>Termitomyces</i> sp.) diversity and abundance through a gradient of land use in the LAMTO region (Côte d'Ivoire)	Koné, Konaté, Daouda, Linsenmair
Effects of land use and soil properties on vascular plant vegetation and biological soil crusts	Kunz, le Roux, Schmiedel, Wessels, Weber
Object-based analysis for imagery of the farmland surrounding Kakamega Forest for socio-economic planning scenarios	Lübker, Schaab
Land use changes in the Sandveld Region, West Coast South Africa	Magidi, Knight, Krug, Keil, Gessner, Hüttich
Exploring the disturbance of East African rainforests using three spatially explicit indices	Mitchell, Schaab
Unsustainable use of frogs and ecosystem consequences	Mohneke, Zongo, Boussim, Zongo, Thiombiano, Rödel
Farm typology, nutrient balances and soil fertility management in agricultural systems of Kakamega	Mussnug, Diwani, Ngome, Becker
Conservation versus degradation and sustainable use of termite mounds in the Pendjari region (Benin): Causalities and scopes for intervention through a farming system analysis approach	Nuppenau, Ogoudedji
The role of animal-mediated seed removal/ dispersal for shrub encroachment during a drought in a Namibian highland savannah	Osterried, Wasiolka, Rossmanith, Jeltsch, Blaum
Forest management in North-East Namibia: An interdisciplinary analysis	Pröpper, Falk, Hinz, Mapaure
Procurement auctions for conservation practices – Economic experiments in Kakamega, Kenya	Saizaki, Wünscher
Pesticide residues in non-target organisms – A consequence of land use change in West Africa?	Stechert, Kolb, Djossa, Nago, Sinsin, Rödel, Fahr, Kalko, Reichmann, Korb, Bahadir
Behavioral responses of the spotted sand lizard <i>Pedioplanis l. lineocellata</i> to grazing induced degradation	Wasiolka, Henschel, Blaum, Jeltsch
Why and how to conserve Kakamega Forest – A synthesis of E13 Phase II+III	Wünscher
Socioeconomic and cultural determinisms of cacao production in the Baoulé-V and the Lamto region (Côte d'Ivoire)	Yao, Kouassi, Goetze, Kouakou, Porembski

BIOTA AFRICA Topic 4: Interventions

Title	Authors
Fish catch assessment of the Pendjari River, Benin	Ahouansou Montocho, Lalèyè, Linsenmair
Integrating biodiversity conservation into regional planning	Aligula
Strategies to reconcile biodiversity conservation with the need to improve rural livelihoods in the setting of Kakamega District	Becker, Gaesing, Kappel, Mussgnug, Rietdorf, Schmidt-Kallert, Wünscher
Success factors for participatory forest management in Africa	Gaesing, Schmidt-Kallert
Description of fishery management in the Whedos in the north of Benin	Hauber, Lalèyè, Assongba, Linsenmair
The auctioning of forest user rights as part of participatory forest management in field pilots in Kakamega Forest, Kenya	Khalumba, Holm-Müller, Wünscher
Between a rock and a hard place: Sustainable conservation of the Cape Lowlands in the face of fragmentation & invasion	Kongor, Sharma, Krug, Esler, Horn
Conserving the last refuges – An analysis of protected area management approaches in West Africa	Konrad, Linsenmair
Multi- agent simulation of the effects of participatory management approaches on the sustainable utilization and conservation of Kakamega Forest in Kenya	Maithya, Wünscher
Causes for degradation and options for recovery of land use systems in Kakamega, Western Kenya	Mussgnug, Diwani, Nickel, Becker
Cotton production and biodiversity in Benin and Burkina Faso: Small farmers options, policies and impact on environment	Palmantier, Kirk, Senghor, Degla
Conservation status and ex-situ conservation of endangered plants from Kakamega and Budongo Forest	Rembold, Theisen, Onyango, Fischer
Resource manipulation for control of alien invasive grasses in the Fynbos Biome	Ruwanza, Musil, Esler
Geodata-based tools supporting biodiversity research and forest management in Kakamega Forest	Schaab, Asser, Dammann, Huth, Muchori, Ojha, Zimmer
The effects of grazing and rest on plants in experimental plots on two neighbouring farms in Namibia's Highland Savanna	Zimmermann, Wesuls, Kauatjirue

BIOTA AFRICA Topic 5: Capacity Development and Data Centres

Title	Authors
Creating a garden for pollination education	Bergsdorf, Hagen, Kraemer, Schwichtenberg
Visual Plants – A tool for data capturing, data presentation, rapid determination and capacity building in biodiversity informatics for plants	Dalitz, Eilu, Masinde, Mbatudde, Mizrahi-Todt, Mwachala, Ssegawa, Waltemathe
The Dutch-German ABS Capacity Development Initiative for Africa: Linking identified problems with objectives, activities and tailor-shaped instruments	Drews, al-Janabi
BIOTA East Africa – Scientific support for conservation and sustainable use of biodiversity	Freund, Wägele
The website of BIOTA AFRICA – www.biota-africa.org	Hillmann, Muche
Printed field guides – Products for biodiversity identification, education and management	Holstein, Steiner, Freund, Häuser
Biodiversity data resources for West Africa – Accessibility and possible solutions to property rights issues	Janssen, Dressler, Hahn-Hadjali, Hien, Mahamane, Sambou, Schmidt, Sinsin, Thiombiano, Zizka
BIOTA East Subproject E-Scholarships: Capacity Building: High-Potential Postgraduate Scholars from Africa	Kuhn, Diwani
BioMonitoring Data Facility	Muche, Hillmann
Creating an ecology laboratory to support ecological research in Kenya	Musila, Gliniars, Oesker, Todt, Dalitz
West African Plant Database – A photo guide and identification tool	Schmidt, Brunken, Dressler, Janssen, Porembski, Thiombiano, Zizka
Gathering, maintenance, analysis, and web-presentation of lichen diversity data from the BIOTA Southern Africa observatories	Zedda, Neubacher, Köhler, Rambold

CoCE – Coffee Project

Title	Authors
Contrasting adaptation to drought stress in wild populations of <i>Coffea arabica</i> in Ethiopia	Beining, Kufa, Goldbach, Fetene, Burkhardt
CoCE – Conservation and use of wild populations of <i>Coffea arabica</i> in the montane rainforests of Ethiopia: An overview	CoCE Team
Coffee Wilt Disease caused by <i>Gibberella xylarioides</i> and its rapid spread in East Africa	Hindorf, Adugna
Effects of wild coffee management on plant diversity in the montane rainforests of southwestern Ethiopia	Schmitt, Senbeta, Denich, Boehmer, Wondafrash, Demissew
Certification – Curse or blessing for Ethiopia's dwindling coffee forests?	Volkman, Stellmacher, Gole, Senbeta, Grote
Implementation-oriented research in the CoCE Project	Zander, Moll

Cuvette Central – Congo Project

Title	Authors
Cryptic diversity of rainforest-plants used for self medication and nutrition in DR Congo	Bondjengo, Kitengie, Musibono, Fruth

Microbial diversity – Microbiology Project

Title	Authors
Fungal species associated with Pod malformation on <i>Acacia karoo</i> in Namibia	Chimwamurombe, Mapaire, Hausiku
Species richness and composition of soil bacterial communities in Namibian semiarid savanna soils	Fösel, Zul, Romann, Mayer, Overmann
Phylochip studies of <i>Acidobacteria</i> diversity in Namibian soils	Rappl, Pester, Hartmann, Starke, Wagner, Loy, Ludwig

Open contributions

Title	Authors
Soil factors that influence the abundance and distribution of threatened and endangered species in the Okavango Delta; with particular emphasis on <i>Eulophia angolensis</i>	Middleton, Mfundisi, Kurugundla
From Michel Adanson to our days: History of the study of the vegetation in Senegal	Diop, Ndiaye