

# TUESDAY 07 FEBRUARY 1/7

**08:25**      **PLENARY TALK 02 - Noeline RAONDRY RAKOTOARISOA - Auditorium Q Maathai**  
*The world network of biosphere reserves: learning places for Sustainable development*

\* Eligible for the Merian Award

**09:15**      **PARALLEL SESSIONS**

Sessions	<b>S07: Tropical biodiversity for development (1/3)</b>	<b>S02: Dry tropical woodlands in Africa (3/3)</b>	<b>S01: Traits and functions in the tropics (3/3)</b>	<b>S05: Species delineation in the tropics (2/2)</b>
<i>Chairs</i>	<i>Jean HUGÉ, Bruno VERBIST, Luc JANSSENS DE BISTHOVEN</i>	<i>Manfred FINCKH, Casey RYAN, Rasmus REVERMANN</i>	<i>Hans BEECKMAN, Maike DE RIDDER, Adeline FAYOLLE, Vincent MERCKX, Sofia GOMES</i>	<i>Jean-François FLOT, Olivier J. HARDY</i>
<i>Rooms</i>	<b>Auditorium D03 Aké Assi</b>	<b>Auditorium D02 Fossey</b>	<b>Auditorium D07 Wilson</b>	<b>Auditorium D08 Clark</b>
<b>09:15</b>	<b>S07-O01: Anne-Julie ROCHETTE</b> Capacity building for the monitoring, reporting and verification (MRV) of biodiversity and ecosystem services in Africa	<b>S02-O14: Paulina ZIGELSKI</b> Trees seizing new landscapes - Evolutionary avoidance strategies of abiotic stresses allowed tropical forest tree taxa to survive in open grasslands	<b>S01-O14: Leandro VAN LANGENHOVE</b> Free living N <sub>2</sub> fixation in the Imbalance-P experiment on French Guianese pristine rainforests	<b>S05-O08: Jean-François FLOT</b> Haplowebs: an allele sharing-based approach to species delimitation
<b>09:30</b>	<b>S07-O02: Erik VERHEYEN</b> Biodiversity research and monitoring related capacities in Kisangani (DRC)	<b>S02-O15: David BAUMAN*</b> Improving the detection of dispersal limitation in plant communities	<b>S01-O15: Vincent MERCKX</b> The role of mycorrhizal specificity in plant evolution and diversification	<b>S05-O09: Kasso DAINOU</b> Cryptic species diversity in the tree genus <i>Milicia</i> : an assessment based on nuclear SNPs, SSRs and a DNA sequence
<b>09:45</b>	<b>S07-O03: Luc JANSSENS DE BISTHOVEN</b> Transfer under Nagoya Protocol of traditional knowledge to scientists in Burundi, mediated by ministries of environment and health	<b>S02-O16: William APTED</b> Satellite Monitoring for Forest Management (SMFM) project	<b>S01-O16: Jorinde NUYTINCK</b> Out of Africa: evolutionary history of hyper-diverse ectomycorrhizal milkcap genera (Russulales, Basidiomycota)	<b>S05-O10: Catalina RAMIREZ-PORTILLA</b> Species delimitation and hybrid detection in tropical <i>Acropora</i> coral species
<b>10:00</b>	<b>S07-O04: Marie-Lucie SUSINI</b> Using taxonomic research results to achieve a better conservation and management of biodiversity and ecosystem services	<b>S02-O17: Natasha RIBEIRO</b> Miombo network of Southern Africa: a platform for collaborative research for decision-making on restoring miombo woodlands	<b>S01-O17: Sofia GOMES</b> Cheating belowground interactions	<b>S05-O11: Susan ROTHERFORD</b> Varying levels of interspecific plasticity confounds species delimitation in closely related eucalypts
<b>10:15</b>	<b>S07-O05: Pieter MOONEN</b> Perceptions and management of land and resources in rural communities in the DR Congo: lessons for sustainable development		<b>S01-O18: Diana GOMEZ GONZALEZ</b> Epiphytic matter and water storage dynamics in a tropical montane forest Fortuna, western Panama	<b>S05-O12: Catherine REEB</b> Are cryptic <i>Riccardia</i> species really cryptic? Unraveling a puzzling thalloid liverwort genus using integrative taxonomy

**10:30**      **COFFEE BREAK AND POSTERS - Building D**

# TUESDAY 07 FEBRUARY 2/7

11:00

## PARALLEL SESSIONS

Sessions	<b>S07: Tropical biodiversity for development (2/3)</b> <i>Jean HUGÉ, Bruno VERBIST, Luc JANSSENS DE BISTHOVEN</i> Auditorium D03 Aké Assi	<b>S08: Savanna ecology and functioning (1/2)</b> <i>Julie C. ALEMAN, Laurent BREMOND, Charly FAVIER</i> Auditorium D02 Fossey	<b>S09: The mangrove biodiversity enigma (1/2)</b> <i>Stefano CANNICCI, Nico KOEDAM, Farid DAHDOUH-GUEBAS</i> Auditorium D07 Wilson	<b>S10: Forests in space and time (1/2)</b> <i>Rico FISCHER, Edna RÖDIG, Andreas HUTH</i> Auditorium D08 Clark
<b>11:00</b>	<b>S07-O06: Katherine VANDE VELDE</b> Analysing discourses of environmental stakeholders on effective conservation of Mangrove forests in Singapore	<b>S08-O01: Charly FAVIER</b> Savanna ecology in space and time	<b>S09-O01: Ian HENDY</b> Terrestrial and marine consortia of wood degraders in mangrove forests are divided by a sharp tidally-defined boundary	<b>S10-O01: Konstantinos PAPANASSIOU</b> Measuring forest structure by means of synthetic aperture radar techniques
<b>11:15</b>	<b>S07-O07: Soraya CANDIDO*</b> Biodiversity integration in development cooperation: why and how? A Delphi study to identify ways forward	<b>S08-O02: Julie ALEMAN</b> Long-term forest and savanna distribution in West and Central Africa	<b>S09-O02: Patrick GROOTAERT</b> Patched distribution of mangrove insects urges protection of multiple areas to maintain insect diversity	<b>S10-O02: Andreas HUTH</b> Observation of global forests with L-band SAR satellites ¶andem-L
<b>11:30</b>	<b>S07-O08: Patricia MERGEN</b> Importance of UNESCO Man and Biosphere Reserves in the tropics	<b>S08-O03: Judith SITTERS</b> The yin and yang of African savanna: a stoichiometric perspective of herbivore dung on ecosystem functioning	<b>S09-O03: Abdulloh SAMOH</b> Diversity of Mangrove Dolichopodid flies (Diptera: Dolichopodidae) in Peninsular Thailand	<b>S10-O03: Jasper VAN DONINCK</b> Mapping Amazonian biodiversity and geology from Landsat imagery and fern species inventories
<b>11:45</b>	<b>S07-O09: Francesca LANATA</b> Responsible economic development and biodiversity conservation in Virunga National Park: the role of Botanic Garden Meise	<b>S08-O04: Francesco ACCATINO</b> Spatial ecological processes allow tree-grass coexistence in savannas despite repeated fires	<b>S09-O04: Columba MARTINEZ ESPINOSA</b> Crab community structure as ecological indicator of Matang Mangrove Forest in Malaysia	<b>S10-O04: Marcelo NASCIMENTO</b> Plantation establishment and native species regeneration in two contrasting situations in a restinga formation in southeastern Brazil
<b>12:00</b>	<b>S07-O10: Ute SCHMIEDEL</b> Paraecologists and parataxonomists are key for stakeholder scientist interactions	<b>S08-O05: Sa LISBOA</b> Modelling the spatial variability of soil organic carbon and soil total nitrogen in Mabalane district, Mozambique	<b>S09-O05: Laura MICHIE</b> Can we all just get along; understanding coexistence in Fiddler Crabs	<b>S10-O05: Pedro L. SILVA DE MIRANDA</b> The importance of floristic data for biologically meaningful biomes in Lowland Tropical South America (L TSA)
<b>12:15</b>				<b>S10-O06: Edna RÖDIG*</b> Spatial heterogeneity of biomass and forest structure of the Amazon rainforest: linking a forest gap model and remote sensing
<b>12:30</b>	<b>LUNCH BREAK</b>			

# TUESDAY 07 FEBRUARY 3/7

**13:30**

## PARALLEL SESSIONS

Sessions	<b>S07: Tropical biodiversity for development (3/3)</b>	<b>S08: Savanna ecology and functioning (2/2)</b>	<b>S09: The mangrove biodiversity enigma (2/2)</b>	<b>S10: Forests in space and time (2/2)</b>
<i>Chairs</i>	<i>Jean HUGÉ, Bruno VERBIST, Luc JANSSENS DE BISTHOVEN</i>	<i>Julie C. ALEMÁN, Laurent BREMOND, Charly FAVIER</i>	<i>Stefano CANNICCI, Nico KOEDAM, Farid DAHDOUH-GUEBAS</i>	<i>Rico FISCHER, Edna RÖDIG, Andreas HUTH</i>
<i>Rooms</i>	<b>Auditorium D03 Aké Assi</b>	<b>Auditorium D02 Fossey</b>	<b>Auditorium D07 Wilson</b>	<b>Auditorium D08 Clark</b>
<b>13:30</b>	<b>S07-O11: Koen VANDERHAEGEN</b>	<b>S08-O06: Kaly OUATTARA</b>	<b>S09-O06: Sara FRATINI</b>	<b>S10-O07: Nikolai KNAPP*</b>
	Do Private Sustainability Standards walk the talk in improving economic and environmental sustainability?	The benefit of perennial grass tufts in association with ant nest in Lamto savanna (Ivory Coast)	Genetic diversity in mangrove crabs is affected by population fecundity and demographic history	Remote sensing of tropical forest carbon fluxes: What can we learn from an individual-based model?
<b>13:45</b>	<b>S07-O12: Africa BARRIOS TRULLOLS</b>	<b>S08-O07: Celine DE CALUWE</b>	<b>S09-O07: Jani SLEUTEL</b>	<b>S10-O08: Franziska TAUBERT</b>
	Can mangrove silviculture in Matang Mangrove Forest Reserve be carbon-neutral?	Biomass accumulation and patterns of natural regeneration in savannas in the Bas Congo province of the DRC	Impact of mangrove forest management on birds: field assessment and reflections on ecological functionality	The packing of trees in forests and its implications for remote sensing
<b>14:00</b>	<b>S07-O13: Mark ABRAHAMS</b>	<b>S08-O08: Amah AKODEWOU</b>	<b>S09-O08: Christina Ani SETYANINGSIH*</b>	<b>S10-O09: Mateus DANTAS DE PAULA</b>
	Living with the enemy; crop raiders in neotropical rainforests	torical analysis of landscape change using remote sensing techniques in Togodo Protected Area and its surrounding areas in southeastern Togo	A contribution to the understanding of long-term ecology and dynamics of the mangrove forests in Jambi, Sumatra (Indonesia)	Quantifying the effects of Forest Fragmentation on Transpiration and Total surface runoff using a forest simulation model
<b>14:15</b>	<b>S07-O14: John NDARATHI</b>	<b>S08-O09: Anna LEßMEISTER</b>	<b>S09-O09: Nathalie TONNE</b>	<b>S10-O10: Chloe BROWN</b>
	Trends in Artisanal Fish Trade in coastal Kenya (trade commodities ,challenges and organization among key stakeholders)	Vegetation changes in a human disturbed West African savanna over the past two decades	Coming of age the mangrove propagule, parental investment and the dual functionality towards autonomy and establishment	Remote sensing investigation of how oil palm cultivation is degrading Malaysia's tropical peatland ecosystem services
<b>14:30</b>	<b>S07-O15: Bernard RIERA</b>	<b>S08-O10: Simone VACCARI</b>	<b>S09-O10: Molly CZACHUR*</b>	<b>S10-O11: Christine WALLIS*</b>
	Xper reconnaissance base of plants and their uses for the management and conservation of protected are : Antrema, Madagascar	Multi-sensor remote sensing approach to monitor pasture quality in savanna ecosystems	Tracking biodiversity benefits of a carbon offset project in mangroves of Kenya	Remotely-sensed forest productivity: Performance of spectral and textural information
<b>14:45</b>	<b>S07-O16: Jeanne Agrippine YETCHOM FONDJO</b>	<b>S08-O11: Katharina STEIN</b>	<b>S09-O11: J-Hude E. MOUDINGO*</b>	<b>S10-O12: Mahmoud BAYAT*</b>
	Effects of anthropogenic disturbances on Acridoidea species diversity and distribution in the natural ecosystem of the Coastal Region, Cameroon	Thank you for Bee-ing there Bee pollination increases yield and quality of cash crops in Burkina Faso, West Africa	Invadability/invasiveness of non-native Mangrove Palm ( <i>Nypa fruticans</i> Wurmb.) from long-term monitoring of permanent sample plots in Cameroon	Determination of crown canopy classes map using aerial photographs of 1955-1995 and GIS
<b>15:00</b>		<b>S08-O12: Guillaume DELHAYE</b>		<b>S10-O13: Seraphine Ebenye MOKAKE*</b>
		Functional composition and diversity along a natural metal toxicity gradient in central Africa		Impacts of selective logging on plant community structure, floristic richness and diversity in the eastern forest of Cameroon
<b>15:15</b>		<b>S08-O14: Edouard ILUNGA WA ILUNGA</b>		<b>S10-O14: Athukorala Arachchige SUMUDU DARSHANA*</b>
		Ecosystem reconstruction for metalliferous plant communities during dry season: the importance of mulching for plant species regrowth		Spatio-temporal transformation of Western Wetlands in Sri Lanka: a case study of Muthurajawela Marsh and Negombo Lagoon
<b>15:30</b>	<b>COFFEE BREAK - Building D</b>			

# TUESDAY 07 FEBRUARY 4/7

16:00

POSTERS SESSIONS - Building D

## S01 Traits and functions in the tropics

- P01 Marcelo NASCIMENTO** Foliar herbivory and leaf traits of congeneric trees of two contrasting forest formations of the Mata Atlantica biome
- P02 Brenner SILVA** Observing tree water relations and climatic variations in a mountain rainforest of SE-Ecuador
- P03 Elizabeth KEARSLEY** Rare tree species support functional diversity in resource-acquisition in central African forests
- P04 Yves BAWIN** How to crack the caffeine code? Discovering the genetic diversity behind caffeine synthesis in the genus *Coffea*

## S02 Dry tropical woodlands in Africa

- P01 Raquel KISSANGA\*** Use of Miombo-trees for fuel and construction in Cussequ (Bié, Angola): species used, biomass estimates and impacts on vegetation
- P02 Amândio GOMES** Comparative plant functional traits among trees:shrubs and geoxylic suffrutices in Bié Plateau - Angola
- P03 Arnel S.L. DONKPEGAN** Comparative phylogeography and postglacial expansion in two dry African tropical woodlands species
- P04 Ute SCHMIEDEL** Plant diversity and population dynamics in the arid Succulent Karoo of South Africa 15 years of annual monitoring
- P05 Casey RYAN** A Socio-Ecological Observatory for the Southern African Woodlands
- P06 Jonathan ILUNGA MULEDI** Permanent Plot: a novel reference tool for sustainable management of the miombo forest in Upper-Katanga

## S04 Tropical freshwater microhabitats

- P01 Helen Yetunde OMOBOYE\*** The planktonic community and primary productivity of Owalla Reservoir, Osun State, Nigeria
- P02 Christine COCQUYT** Lotic ecosystems in the MAB Reserve of Yangambi (DR Congo): exploration of the diatom biodiversity
- P03 Janet HIGUTI** Invasive *Eichhornia crassipes* has not acted as Noah's Ark for South American ostracods (Crustacea) in the Congo River (Africa)
- P04 Bartosz MAREK MAKCHER** What affects the richness of the Odonata species? We do!

## S05 Species delineation in the tropics

- P01 Katharina B. BUDE** Hybridization and species delimitation of *Symphonia* (Clusiaceae) in Madagascar
- P02 Jean-François FLOT** A farewell to cloning: disentangling double peaks and delineating species among diploid individuals
- P03 Félicien TOSSO** Evolution in the African-Neotropical genus *Guibourtia* (Fabaceae, Caesalpinioideae), combining NGS phylogeny and morphology
- P04 Brandet Junior LISSAMBOU** Taxonomic revision of the genus *Greenwayodendron* in African tropical forests based on morphology and genetic markers

## S06 Tropical forest modelling

- P01 Richard SMITH** How well do vegetation models simulate mid-Holocene Amazonia?
- P02 Dushyant KUMAR** Future vegetation pattern in biodiversity hotspots in India under changing climate
- P03 Marie DURY** Modelling past and present distributions of tropical African biomes and species using a dynamic vegetation model
- P04 Ulrike HILTNER** Simulation of resource-effective management strategies in tropical forests: development of an innovative tool for decision-making

## S07 Tropical biodiversity for development

- P01 Charlotte COUCH** Tropical Important Plant Areas - a Case study from Guinea
- P02 Minnattallah BOUTROS** From Science to action - towards a science/policy interface in development cooperation
- P03 Minnattallah BOUTROS** Sangha Trinational Foundation case study from the Congo basin: challenges and chances of conservation trust funds
- P04 Christine B. SCHMITT** Promoting sustainable land use systems in sub-Saharan Africa through participatory research approaches and enhanced stakeholder interactions
- P05 Stefan KREFT** The MARISCO method: A Knowledge Map and Adaptive Navigation System for tropical biodiversity conservation
- P06 Moa MEGERSA** Natural coagulants obtained from seeds of *Moringa stenopetala* and tubers of *Maerua subcordata* could purify turbid water inexpensively and sustainably
- P07 Jean HUGE** Murky mangroves and catchy corals: the discourses of attractiveness of coastal ecosystems
- P08 Tiptiwa SAMPANTAMIT\*** Contributions of traditional knowledge to food security of a small fishing community in Thailand
- P09 Ceíça CHIOZE** Evaluation between artisanal, semi-industrial and industrial linefisheries in the exploitation of fishery resources in the South Save, Mozambique

# TUESDAY 07 FEBRUARY 5/7

## S08 Savanna ecology and functioning

- P01 André LINDNER** Vegetation structure and carbon stocks of two protected areas within the South-Sudanian savannas of Burkina Faso
- P02 Simon SCHEITER** Ecosystem management can mitigate vegetation shifts induced by climate change in West Africa
- P03 Julie ALEMAN** An index for prioritizing conservation areas in savannas of sub-Saharan Africa
- P04 Aires MBANZE** Phytosociological structure of Dambos ecosystem in the Niassa National Reserve (NNR), Northern Mozambique
- P05 Tatiane GOMES CALACA MENEZES** Effects of generalist herbivores and rainfall in a seasonally dry tropical forest in Brazil
- P06 David C. SIDONS** Influence of habitat modification by livestock on páramo bird abundance in southern Andes of Ecuador
- P07 Edwin ZARATE** Potential distribution of the Andean Condor reveals priority conservation sites in the southern Andes of Ecuador

## S09 The mangrove biodiversity enigma

- P01 Hiroke ROY\*** A Review on the threat and vulnerability to cultural extinction of Sunderbans Mangrove forest, South Asia
- P02 Anne VAN ZON** How will salt affect the acquisition of nitrogen and phosphorus of mangrove species?
- P03 Laura Elisabeth AGUSTO** To each his own: the diversity of burrow architecture of mangrove crabs and its ecological consequences
- P04 Nathalie TONNE** The heartbeat of mangrove seedlings: dendrometry and anatomy of on-tree developing and establishing *Bruguiera gymnorrhiza* seedlings

## S10 Forests in space and time

- P01 Monika RUWAIAMANA** Like a drone come true: Comparison of satellite and drone imagery for Mangrove mapping in Setiu Wetland, Malaysia
- P02 Viviana OTERO** Flying drones over mangroves: monitoring of the Matang Mangrove Forest Reserve in Peninsular Malaysia
- P03 Sruthi MOORTHY** Quantifying the impact of lianas on the vertical forest structure - A TLS approach
- P04 William APTED** Monitoring changes in rangeland and dry forest landscapes with remotely sensed data

## S11 Fragmentation genetics and biodiversity

- P01 Dora VILLELA** Edge effects on the necromass and heterotrophic respiration stocks in Seasonally Dry Brazilian Atlantic Forest fragments
- P02 Penny GARDNER** Behavioural adaptations of an endangered ungulate in response to tropical forest degradation in Sabah (Malaysia, Borneo)
- P03 Nicole FERNANDEZ** Acoustic variability of a native Hawaiian thrush in a fragmented landscape
- P04 Inocencio Jr BUOT** Conserving biodiversity in fragmented forest ecosystem in the Philippines
- P05 Alicja WITWICKA** Predation rates among caterpillars in response to habitat type, leaf damage and rolling behaviour
- P06 Addisie GEREMEW** Dynamics in clonal diversity and clonal growth strategies as a response to sediment gradients in tropical *Cyperus papyrus* swamps
- P07 Juan Manuel AGUILAR LEON** Understanding anuran responses to rainforest fragmentation and oil palm agriculture in the Lower Kinabatangan Wildlife Sanctuary, Sabah, Malaysia

## S12 Large vertebrates in a changing world

- P01 Nikki TAGG** Changing hunting pressures and wildlife responses and the effectiveness of secondary conservation actions in the Dja landscape, Cameroon
- P02 Peter GALBUSERA** Assessment and conservation of genetic diversity in captive and wild primate populations
- P03 Arthur BOOM** Metabarcoding : development of genetic tools for the study of the herbivore diet of *Pan paniscus*
- P04 Autumn CHONG** Intraspecific resource competition within a tropical Bird species (*Ramphocelus costaricensis*)

## S13 Riparian ecosystems in tropical drylands

- P01 Tibebe Alemu BEKERIE** Spatial pattern of riparian vegetation and diversity along human dominated highland streams south-western Ethiopia
- P02 Kai BEHN** Regeneration dynamics in floodplains: plant species guilds in the Kilombero Floodplain, Tanzania
- P03 Christine COCQUYT** Diatoms from the Congo and Zambezi basins: a guide to the genera of tropical Africa

## S14 Coral reefs at risk

- P01 Sonia BARBA HERRERA\*** Development of a Coral Reef Resilience Index (CRR): A management and conservation tool applicable for Caribbean coral reef ecosystems
- P02 Fabiola RIVERA-IRIZARRY** Immune and physiological response of coral with different life strategies to stress: A field-based approach
- P03 Friederike CLEVER\*** Local and regional differences in fish community structure on the Mesoamerican Barrier Reef
- P04 Qiyamah WILLIAMS** Wai'uli coral mapping and monitoring: Integrating Western and Native Hawaiian Sciences

# TUESDAY 07 FEBRUARY 6/7

## S15 Food production and biodiversity conservation

- P01** Dominic MARTIN Diversity Turn in Land Use Science: Transdisciplinary research in the vanilla landscapes of NE Madagascar
- P02** Pieter MOONEN\* Biodiversity and ecosystem functioning in fallow systems in the Central Congo Basin
- P03** Mathil VANDROMME Help from above - Boosting yield and conservation value in cacao production by doing nothing?
- P04** Anna LEßMEISTER Substitution of the most important and declining wild food species in south-east Burkina Faso
- P05** Hoa TRAN Utilization and conservation of an indigenous-underutilized fruit tree species: *Xerospermum noronhianum* (Sapindaceae)
- P06** Thierry HOUHANOU Quantitative ethnobotany towards conservation of food tree species of Wari Maro forest Reserve in the Sudanian zone of Benin
- P07** Aimé KAZIKA\* Improved plant genetic biodiversity through the organization and promotion of agricultural shows and seed fairs
- P08** Sarah LUKE Conservation of freshwaters in oil palm plantations

## S16 Palaeoecology of tropical ecosystems

- P01** Fang GU Late Quaternary vegetation and environment reconstruction based on pollen and dinoflagellate cysts in eastern South America
- P02** Kimberley HAGEMANS Holocene vegetation responses to changing ENSO regimes in the southwestern Andean Cordillera, Ecuador
- P03** Maria Carolina GUARINELLO DE OLIVEIRA PORTES 600 cal yr BP of *Araucaria* Forest and Grassland dynamics in the Serra da Bocaina National Park, Southeastern Brazil
- P04** Wannes HUBAU Complementary imaging techniques support detailed identification of Central African charcoal

## S17 Complete Altitudinal Rainforest Transects

- P01** Andy GRIFFITHS From the Amazon to the Andes: Understanding climate adaptation along a tropical elevation gradient
- P02** Kerstin PIERICK\* Variation of tree fine root architecture along a topographical gradient in an Ecuadorian tropical montane forest
- P03** Vincent MONTADE Using modern pollen data to characterize altitudinal changes of tropical mountain rainforest in Northeast Brazil
- P04** Vojtech NOVOTNY Altitudinal trends in the communities of geometrid moths along a complete rainforest altitudinal gradient in New Guinea
- P05** Petr KLIMES Nutrient utilization by ants along a complete elevational rainforest gradient in Papua New Guinea

## S18 Tropical forest in a changing climate

- P01** Francisca AKUA NUNOO Fuel Wood Use and Climate Change Implication for Sustainable Development
- P02** Mohamed NEJI De novo transcriptome sequencing and comprehensive analysis of the drought-responsive genes in *Erythrophleum* species

## S19 Seed dispersal

- P01** Chauvelin DOUH Seed bank characteristics in deep soil layers of Central African forests
- P02** Ludwig TRIEST Western and Eastern African rift lakes and wetlands harbour different ESUs of papyrus: a dispersal mediated by elephants?

## S20 Integrative Tropical ecosystems dynamics

- P01** Jérémy MIGLIORE AFRIFORD project: Genetic and paleoecological signatures of African rainforest dynamics: pre-adapted to change?
- P02** Pedro L. SILVA DE MIRANDA The importance of environmentally marginal habitats in the Atlantic Forest Domain of South America
- P03** Arne SINNESAEEL Influence of bacterial leaf symbiosis on the evolution of the genus *Psychotria* (Rubiaceae)
- P04** Samuel VANDEN ABEELE Phylogeographic study of the tropical African tree *Staudtia kamerunensis* using newly developed microsatellite markers
- P05** Pamela BURGER Diversity estimates and population structure in global *Camelus dromedarius* populations through genome-wide ddRAD sequencing
- P06** Luiza F.A. DE PAULA Sugar Loaf Land in South-eastern Brazil: a tropical hotspot of inselberg plant diversity
- P07** Inocencio Jr BUOT Structure and dynamics of plant diversity in Dong Na Tard Provincial Protected Area, Lao PDR

## S21 Human-modified tropical forests

- P01** Laurent BREMOND Origin of the Guianese Dark Earths: an anthracological approach
- P02** Frances MULLANY\* The immediate impact of hurricane disturbance on monitoring butterfly and ant communities in Belize, Central America

## S22 Legacy specimens, future goals

- P01** Patricia MERGEN Think Global ! What Biodiversity Information Standards can do for you !

## TUESDAY 07 FEBRUARY 7/7

### S23 Economic valuation, certification, and conservation of tropical forests

**P01 Africa BARRIOS TRULLOLS** Matang Mangrove Forest as a climate change mitigation system: a becoming reality

**P02 Ephrem BALOLE-BWAMI** The Total Economic Value of the Virunga National Park

**P03 Emmanuel KASONGO YAKUSU** Ecology, economics and management of forest and wood sector of species *Entandrophragma* in Africa. A review

### S24 Including lianas in vegetation models

**P01 Francis MUMBANZA MUNDONDO** The role of lianas for the carbon cycle in the tropical rainforests of the central Congo basin

**P02 Hannes DE DEURWAERDER** The role of lianas for the carbon cycle in the tropical rainforests of the central Congo basin

### S25 Arthropod ecology and conservation

**P01 Lauren KAPONO** Effect of decreasing stream flow on aquatic insect biomass in tropical streams

**P02 Johanna ROMERO ARIAS** Gut content and anatomy in termites: an insight into the Apicotermatinae assemblage rules

**P03 Janina SCHÄFER\*** The association of ant-following birds and army ants (*Dorylus* spp.) in the lowland rainforest of Korup National Park, Cameroon (Western Africa)

**P04 Michael STAAB\*** Trap nests for *Hymenoptera*: past, present, and future of a standardized sampling method in (tropical) ecology

### 18:30 PUBLIC LECTURE & DEBATE - Auditorium Q Maathai

Jean-Louis DOUCET, Katharine ABERNETHY, Paul-Emmanuel HUET, Kasso DAINOU, Richard EBA'A ATYI, Hans BEECKMAN, Maaïke  
*Can industrial logging and nature conservation be allies in Central Africa?*

