



## PROGRAMME

## MONDAY, 12TH | AFTERNOON

**14h30 | Hall | Registration**

**16h00 | Room A | Opening ceremony, with:**

**Jorge Palmeirim, Conference Chair**

Professor at the Faculty of Sciences of the University of Lisbon

**Luís Carriço**

Dean of the Faculty of Sciences of the University of Lisbon

**Cristina Máguas**

Coordinator of CE3C - Centre for Ecology, Evolution and Environmental Changes

**Pierre-Michel Forget**

President of gö, the Society of Tropical Ecology

**16h30 | Room A | Miguel B. Araújo**

*Moving away from individual species models of biodiversity response to climate change*

**17h15 | Hall | Welcome cocktail, music & network**



## PROGRAMME

## TUESDAY, 13TH | MORNING 1/2

**09h00 | Room A | Ricardo Rocha**

*The role of secondary forests in mitigating fragmentation-related extinctions: Insights from an Amazonian whole-ecosystem manipulation experiment*

**Room B**

**S1: Dogs in conservation: the nose knows**

**09h45** | O01 Leopold [Slotta-Bachmayr](#)  
*Dogs as a possible tool to improve research in the tropics*

**10h00** | O02 Noreen [Mutoro](#) #  
*Impact of weather conditions on cheetah (*Acinonyx jubatus*) monitoring with scat detection dogs*

**10h15** | O01 Brian [Sedio](#)  
*Species differences in foliar metabolites define fundamental niche dimensions in a tropical forest*

**10h30** | O02 Omer [Nevo](#)  
*Fruit scent: an evolved signal for seed dispersal?*

**10h45** | O03 Linh M.N. [Nguyen](#) #  
*Unveiling the Scent Evolution of Madagascar's Figs*

**11h00** | O04 Katharina [Brandt](#)  
*How do prey signals attract wasps as pollinators in two generalist plant species of the Caatinga?*

**S4: Tropical chemical ecology**

**Room C**

**S9: Tropical biomonitoring in a molecular era**

**09h45** | O00 Christina Islas [Lynggaard](#)  
*Gathering terrestrial biodiversity data through environmental DNA*

**10h00** | O01 Naiara [Sales](#)  
*Ecosystem monitoring powered by eDNA surveys in megadiverse areas: challenges and perspectives*

**10h15** | O02 Céline [Condachou](#)  
*Application of eDNA for species conservation: the case of *Harttiella* (*Siluriformes*, *Loricaridae*)*

**10h30** | O03 R. [Haderlé](#)  
*Environmental DNA (eDNA) in the French West Indies: a non-invasive molecular method to monitor the biodiversity of mobile marine species*

**10h45** | O04 Jan F. [Gogarten](#)  
*Flies as tools for studying disease ecology in tropical ecosystems*

**11h00** | O05 Anais K. [Tallon](#)  
*A dive into landfill ecology: The role of New World vultures in the dissemination of anti-microbial resistance*

**Room D**

**S3: Multi-trophic networks in tropical forests**

**09h45** | O02 Marie [Séguigne](#)  
*Interactive effects of drought and deforestation on multitrophic communities and aquatic ecosystem functions – an experimental test using tank bromeliad ecosystems*

**10h00** | O03 Mingqiang [Wang](#)  
*Tree diversity effects on higher trophic levels in a subtropical forest experiment of China*

**10h15** | O04 Georg [Albert](#) #  
*Multi-trophic network properties mediate tree biodiversity effects on forest ecosystem multi-functionality*

**10h30** | O05 Eva T. [López](#)  
*Recovery of tree seedling-herbivore interactions along a tropical chronosequence*

**10h45** | O06 Elise [Sivault](#) #  
*Bats and birds top-down regulate arthropods to a similar magnitude across temperate and tropical forests*

**11h00** | O07 Katerina [Sam](#)  
*Insights from the canopy: Both vertebrate- and ant-mediated regulation of arthropod communities and herbivory was revealed in temperate and tropical forests*

**11h15 | Hall | Break for coffee & posters**

Eligible candidates for the Merian Award are marked with an #



# PROGRAMME

## TUESDAY, 13TH | MORNING 2/2

### 11h15 | Hall | Break for coffee & posters

#### Room B

##### S5: Adaptations of neotropical biodiversity

**11h45** | O01 Guido Briceno

*Diversity of frontier processes and frontier metrics to uncover major types of forest cover changes*

**12h00** | O02 Crystal McMichael

*Ecological legacies of past fire and human activity in a Panamanian forest*

**12h15** | O03 Edith Villa Galaviz

*Dynamics of species turnover along a chronosequence in the Ecuadorian Chocó forest: a comparison across different ecological communities*

**12h30** | O05 Luís M. Rosalino

*Drivers of the density and conservation of red-handed howler monkeys, *Alouatta belzebul*, in an Amazonian savannah*

**12h45** | O06 Clarisse Palma-Silva

*Adaptive Genomics of Bromeliads Along an Elevational Gradient in the Mountains of the Brazilian Atlantic Forest*

**13h00** | O07 Lucas Buffan

*Palaeogene climate deterioration increased South American mammal turnover near the Eocene-Oligocene Transition*

#### Room C

##### S6: Ecology of tropical mountains

**11h45** | O01 Hermann Behling,

*Ecological response on environmental change in tropical South America during the late Quaternary*

**12h00** | O02 Homeier Jürgen

*Functional properties of Andean upper montane forest trees – the role of rare species*

**12h15** | O03 João D.V. Junior

*Climate-driven loss of plant diversity in African mountains*

**12h30** | O04 Göran Wallin

*Warming responses of growth and mortality of tropical montane tree species in relation to functional traits*

**12h45** | O06 Bianca Zoletto

*The effects of lightning on tropical forests in Central Africa*

**13h00** | O05 Camille Ziegler #

*Heat and drought plasticity in hydraulic traits of Afrotropical tree species from contrasting successional types*

#### Room D

##### S3: Multi-trophic networks in tropical forests

**11h45** | O08 Jingting Chen

*The ecological effect of tree diversity on spider-prey interaction in subtropical forest*

**12h00** | O09 Mareike Mittag

*Thriving in Diversity – herbivory and predation rates respond to tree diversity in a subtropical forest biodiversity experiment in China*

**12h15** | O10 Karen M. Pedersen

*Tritrophic mammal dung dung beetle seed interactions in the Ecuadorian Choco*

**12h30** | O11 Sarah Tossens

*Impacts of carnivores on tropical forest dynamics through trophic cascades: the study case of Central African wild cats*

**12h45** | O12 Natalia Revilla-Martín

*Stable landscapes help maintain stable bird communities*

### 13h15 | Hall | Lunch

### 14h30 | Group photo

Eligible candidates for the Merian Award are marked with an #



## PROGRAMME

## TUESDAY, 13TH | AFTERNOON 1/2

**14h45 | Room A | Anna Traveset**  
*Deciphering the complexity of ecological interactions in tropical islands. A multilayer network approach*

## Room B

S5+

**15h30** | O08 Mauricio Bacci  
*Climate change may differently affect pest and non-pest leafcutter ants and threaten food security*

**15h45** | O09 Isabel Marques  
*Effects of natural hybridization on the diversity of Neotropical orchids*

**16h00** | O10 David Draper  
*Species extinction in neotropics: how far have we gone and what will future climate change bring?*

S8: Free session

**16h15** | O01 Guillermo Porriños  
*Fish community composition in the tropical archipelago of São Tomé and Príncipe*

**16h30** | O02 Patrícia Guedes  
*Reassessing the conservation status of the Príncipe's island endemic shrew *Crocidura fingui*, Central Africa*

**16h45** | O03 Gonçalo Curveira-Santos  
*Postwar defaunation in Angola: mammal assemblages in Bicular National Park*

## Room C

S6+

**15h30** | O07 Olivier J. L. Manzi  
*Partial thermal acclimation of the photosynthetic heat tolerance in tropical trees*

**15h45** | O02 Antoine Plumacker  
*Comparative Analysis of Large Tree Segmentation in the Canopy of African Tropical Forests*

**16h00** | O03 Sá N. Lisboa  
*Drivers of deforestation and degradation of miombo woodlands in Mozambique: what is the extent and shares of forest change?*

**16h15** | O04 Carly Batist  
*Eavesdropping on Nature: How ecoacoustics can scale up biodiversity monitoring and inform conservation*

**16h30** | O05 Dylan Carbone  
*Automated monitoring of insects supports new research into flying insect populations in tropical ecosystems*

**16h45** | O06 Massimo Martini  
*Using DNA barcoding to resolve quantitative multi-trophic interaction network response to tree identity*

S2: Cutting-edge biomonitoring in the tropics

## Room D

S7: Tropical forest/tree functioning

**15h30** | O01 Adeline Fayolle  
*How seasonal is tropical forest/tree functioning?*

**15h45** | O03 Anais Gorel  
*How tropical trees in Africa adapted to cope with seasonal drought? Exploring the phylogenetic and climatic distribution of the species leaf habit, maximum height, and wood density*

**16h00** | O05 Megan K. Sullivan #  
*Climate & tree crown phenology in Nyungwe National Park, a montane tropical forest in Rwanda*

**16h15** | O06 Marjane Kaddouri  
*Tracking the seasonal rhythm of tropical forests and savannas with phenocams in Lopé NP, Gabon*

**16h30** | O07 Bo Zhou  
*Are intra-annual responses of subtropical trees to climatic variation consistent across species?*

**16h45** | O08 Achim Bräuning  
*Forming leaves does not mean not grow: dendrometer records reveal growth failure of dry tropical forest tree species in extreme years*

**17h00 | Hall | Break for coffee & posters**

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# PROGRAMME

# TUESDAY, 13TH | AFTERNOON 2/2

**17h00 | Hall | Break for coffee & posters**

## Room B

S8: Free session

**17h30** | O04 Marion Tafari  
*Angola as a pivot to promote wildlife ecology research and capacity building opportunities through the establishment of a dynamic collaboration network*

**17h45** | O05 Filipe Rocha  
*Unveiling the impacts of fire severity on herbivore occupancy patterns*

**18h00** | O06 Víctor Fernández-García  
*Exploring the relationships between fire regimes, plant diversity, and carbon stocks in African savannas*

**18h15** | O07 Luis Pedro Pratas-Santiago  
*Withdrawal and expansion: a decade of dynamic ungulate distribution in Amazonian lowland sanctuaries (2010-2020)*

## Room C

S2+

**17h30** | O07 Desamarie A. Fernandez  
*Temporal ecology of carnivorans in Palawan Island, Philippines*

**17h45** | O08 Daniel V. Garcéz  
*Unveiling rat predation dynamics in São Tomé and its implications for conservation*

**18h00** | O09 Julia Ea  
*Empowering local communities for effective biomonitoring in Guinean Forests of West Africa*

## Room D

S7: Tropical forest/tree functioning

**17h30** | O09 Pauline Hicter  
*Seasonality of tree growth and carbon uptake through assessments of the cambial phenology in the Biosphere Reserve of Yangambi in the Democratic Republic of the Congo*

**17h45** | O10 Claire Wauquiez  
*Foliar water uptake: a seasonal drought mitigation strategy of central African canopy tropical trees*

**18h00** | O11 Cristina Antunes  
*How does water-table depth affect the physiological status of a tropical dune forest?*

**18h15** | O12 Ligia Vieira  
*Patterns and drivers of herb biomass in a Caatinga dry tropical forest*

Organising committee's suggestion:

*Enjoy the end of the day in Lisbon!*



## PROGRAMME

## WEDNESDAY, 14TH | MORNING 1/2

**09h00 | Room A | Aida Cuni-Sanchez**  
*Local perceptions of forest ecosystem services, insights from Africa*

## Room B

## S10: Biodiversity and sustainable tropical agriculture

**09h45** | O01 Pablo Aycart [Lazo](#) #

*Interacting effects of local and landscape factors shape bird and bat diversity in Amazonian cacao agroforestry systems*

**10h00** | O02 Blanca [Ivañez-Ballesteros](#)

*Assessing cacao pollination: impact of landscape and farming practices on pollinator diversity and fruit yield in Northern Peruvian Amazon*

**10h15** | O03 Eliza [Van de Sande](#) #

*Solving the cacao pollinator puzzle: new insights into pollinator identity and ecology*

**10h30** | O04 Jamal [Kabir](#) #

*Restoring biodiversity to oil palm plantations in Sumatra, Indonesia: can riparian buffer restoration treatments support Anuran populations?*

**10h45** | O05 Raquel [Oliveira](#)

*Conserving biodiversity and enhancing food security: understanding small mammal diversity patterns in mosaic landscapes of Guinea-Bissau (West Africa)*

**11h00** | O06 Cárol [Sierra-Durán](#) #

*Bats and rice: contribution of insectivorous bats to pest suppression services in Mexican rice fields*

## Room C

## S11: Biodiversity, biotic interactions and functioning

**09h45** | O01 Jörg [Bendix](#)

*Hyperspectral sensing of functional traits in tropical mountain forests for the parameterization and validation of a biodiversity-informed land model*

**10h00** | O02 Jürgen [Homeier](#)

*Drivers of tree diversity in Andean forests: comparing species richness, phylogenetic diversity and functional diversity*

**10h15** | O03 Laura [Würzberg](#)

*Root sap flow measurements reveal different plant water uptake strategies in a seasonal tropical dry forest in southern Ecuador*

**10h30** | O04 Lea [Kerwer](#)

*Abiotic and biotic filters shape seedling recruitment in a tropical dry forest*

**10h45** | O05 Jana E. [Schön](#)

*Do leaf traits of tree canopies shape herbivory in tropical montane rainforests?*

**11h00** | O06 Nina [Farwig](#)

*Environmental heterogeneity consistently increases diversity effects on ecosystem functioning in tropical mountains*

## Room D

## S13: Wildmeat: Opportunities and risks

**09h45** | O01 Oswin [David](#)

*Towards the conservation and sustainable use of Yellow-Spotted River Turtle (*Podocnemis unifilis*) in the Rupununi region, Guyana*

**10h00** | O02 Jonas Kakule [Muhindo](#)

*Reducing wild meat sales and promoting local food security: lessons learnt from a behavior change campaign in Yangambi, Democratic Republic of Congo*

**10h15** | O03 Sagesse [Nziavake](#)

*Uneven transmission of traditional knowledge and skills in a changing wildmeat system: Yangambi, Democratic Republic of Congo*

**10h30** | O04 Sandra [Owusu-Gyamfi](#)

*Monitoring frog meat harvesting and population estimation as a key step to sustainable wildlife utilisation in Ghana*

**10h45** | O05 Juanita [Gómez](#)

*Is place at the foundation of Indigenous Stewardship for wildlife: Case studies from Guyana and DRC*

**11h00** | O06 Jonas K. [Nyumu](#)

*Alternative livelihoods to reduce reliance on wildmeat in the Yangambi landscape, DRC*

**11h15 | Hall | Break for coffee & posters**

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## PROGRAMME

## WEDNESDAY, 14TH | MORNING 2/2

11h15 | Hall | Break for coffee &amp; posters

## Room B

S10: Biodiversity and sustainable tropical agriculture

**11h45** | O07 Madalena Sottomayor  
*Nature-based solutions to increase rice yield: an experimental assessment of the role of birds and bats as agricultural pest suppressors in West Africa*

**12h00** | O08 Gonçalo A. Fernandes  
*Patterns and predictors of insectivorous bat activity around isolated trees in rice fields of Guinea-Bissau (West Africa)*

**12h15** | O10 Eike Lena Neuschulz  
*The benefits of eco-certification for biodiversity*

**12h30** | O11 Patrícia A. P. Chaves  
*Friend or Foe? Attitudes of Rice Farmers towards Wild Animals in West Africa*

**12h45** | O12 Aster Gebrekirostos  
*Agroforestry for food security, biodiversity, and climate resilience*

**13h00** | O13 Mary A. George #  
*Influence of household livelihood assets on agrobiodiversity and food availability and accessibility outcomes along urbanisation gradients in tropical smallholder agroforestry systems*

## Room C

S11: Biodiversity, biotic interactions and functioning

**11h45** | O07 Christoph Meyer  
*Fear or food? Prey availability is more important than predation risk in determining aerial insectivorous bat responses across a disturbed tropical forest landscape*

**12h00** | O08 Divya Divya #  
*Understanding the functional dynamics of plant-avian frugivory in novel urban ecosystem of Delhi*

**12h15** | O10 Gladys N. Kungu  
*Movement behaviour of a cooperatively breeding bird scales to the level of habitat degradation in Afrotropical cloud forests*

**12h30** | O11 Luke Powell  
*The queens of the Congo rainforest and their loyal subjects: Dorylus driver ants and the specialized birds that follow them*

**12h45** | O12 Finn Rehling #  
*Animal carrion decomposition and decomposers are influenced by canopy cover, topography, ants and tree species richness in a subtropical forest biodiversity experiment*

**13h00** | O13 Natalia Medina-Serrano #  
*Plant-animal interactions in restoration ecology: insect pollinators and other floral visitors in the semi-arid savannas of the Ferlo region in Senegal*

## Room D

S13: Wildmeat: Opportunities and risks

**11h45** | O07 Lola Nihotte  
*Are tropical countries prepared to guaranty food safety in wild meat use: a comparative analysis of legal frameworks across different countries*

**12h00** | O08 Emmanuela Mbangale  
*Using Local knowledge and camera traps to assess and monitor hunting systems in the Democratic Republic of Congo*

**12h15** | O09 Chanda Mwale  
*The legal game meat value chain in Zambia: Lessons Learned for Supporting the Socio-Economic and Sustainability Potential of Wild Meat Economies*

**12h30** | O13 Nadia Balduccio  
*Assessing the impact of traditional hunting on mammal populations in the buffer zone of Salonga National Park, DRC*

**12h45** | O14 Julia Fa  
*Wild foods are less important for those who farm for sedentarised Baka in Cameroon*

**13h00** | O15 Joshua Bauld  
*The impact of local market access on wildmeat consumption in Gabon*

13h15 | Hall | Lunch

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## PROGRAMME

## WEDNESDAY, 14TH | AFTERNOON 1/2

13h15 | Hall | Lunch

## Room B

S10: Biodiversity and sustainable tropical agriculture

**14h30** | O14 Karen Mustin  
*Impacts of agribusiness expansion on territorial development in the Savannas of Amapá*

**14h45** | O15 Jean C. Nsengiyumva #  
*Assessing Fairtrade Feasibility for Sustainable Practices in Guinea-Bissau's Cashew Agroecosystems*

**15h00** | O16 Filipa Monteiro  
*Nuts for cashews: achieving sustainable production in Guinea-Bissau (West Africa)*

**15h15** | O17 Sofía Ocaña-Cabrera  
*Sweet beekeeping from the middle of the world*

**15h30** | O18 Paola Sierra-Baquero  
*Cashew field prospection in Guinea-Bissau: characterization of the production system and pest occurrence*

**15h45** | O19 Rafael António  
*Discriminating cashew varieties from Guinea-Bissau through agromorphology, nutritional, and allergen analysis*

## Room C

S11+

**14h30** | O14 Joana Ribeiro  
*Functional and phylogenetic correlates of invasion risk across tropical biomes*

**14h45** | O15 Belinda Kahnt  
*When lizards shift to a plant-based lifestyle: The macroevolution of mutualistic lizard-plant-interactions*

**15h00** | O01 José M. V. Fragoso  
*Enhancing collaboration among scientists and traditional peoples for biodiversity research: identifying and addressing diverse interests in biodiversity monitoring programs*

**15h15** | O03 Chiara Bragagnolo  
*Tell me what you do in the park and I'll tell you who you are: Exploring human-nature interaction in the Obô Natural Park (São Tomé Tropical Island)*

**15h30** | O04 Martina Panisi  
*Which species do children prefer to protect and why? Exploring wildlife knowledge and conservation preferences in two African tropical sites*

**15h45** | O05 Opale Coutant #  
*Confronting forest dweller local ecological knowledge and eDNA measurements of biodiversity*

S12: The place of ethnoecology in tropical ecology

## Room D

S13+

**14h30** | O16 Lilian Mangama  
*The impact of subsistence hunting on local wildlife communities*

**14h45** | O17 Franciany B. Pereira  
*Access, technology, and urbanization drive wild meat trade dynamics in Guyana, at the heart of the Guiana Shield*

**15h00** | O09 Gargi R. Chowdhury  
*Sounds of survival: impact of vessel traffic on endangered Ganges river dolphins in the Hugli River*

**15h15** | O10 Eckhard W. Heymann  
*Sisi e'u ("food of the tamarins") – plant-frugivore interactions of the Neotropical understory tree *Leonia cymosa* (Violaceae)*

**15h30** | O11 Fatima Chaudhary #  
*Human visitation alters the behavioral response of wildlife: a study on vigilance behavior of Japanese pika at Mount Highashi-nupukaushi-nupuri*

**15h45** | O12 Anastasia Poliakova  
*Applied palaeoecological and molecular methods in the studies of material codicology: new aspects of known techniques used for palm-leaf manuscript studies*

S8: Free session

16h00 | Hall | Break for coffee &amp; posters

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# PROGRAMME

## WEDNESDAY, 14TH | AFTERNOON 2/2

**16h00 | Hall | Break for coffee & posters**

### Room B

S10+

**16h30** | O22 Tamanna Tamanna  
*Groundwater quandary of Bathinda, Punjab: a balance between sustainable agriculture and ecology*

**16h45** | O23 Alex B.D. Etchike  
*Characterization agroforestry systems based on cocoa and oil palm on the outskirts of a forest concession in southern Cameroon*

S19: iEcology in the tropics

**17h00** | O01 Fernanda Alves-Martins  
*A culturomics approach to map African protected areas value and vulnerability*

**17h15** | O17 Sofía Ocaña-Cabrera  
*Using social media and machine learning to understand negative sentiments towards Brazilian National Parks*

### Room C

S12+

**16h30** | O06 Clémentine Durand-Bessart #  
*Local ecological knowledge enhance our understanding of Afrotropical frugivory networks*

**16h45** | O01 Pia Parolin  
*Introductory overview on diversity and the conservation of globally important tropical freshwater wetlands*

S15: Ecosystem services of tropical wetlands

**17h00** | O02 Florian Wittmann  
*Amazonian large-river floodplain forests: ecology, biogeography and conservation*

**17h15** | O03 J. Ethan Householder  
*How unique are the tree communities of the Amazon's floodplain forests?*

### Room D

S8: Free session

**16h30** | O13 Beatriz Lucas Arida  
*Consequences of floral colour polymorphism on the reproductive success of a Neotropical deceptive orchid*

**16h45** | O14 Arianna Tartara  
*Leaf litter decomposition along a chronosequence in the Ecuadorian lowland Choco' forest*

**17h00** | O15 Guido B. Castillo  
*Diversity of frontier processes and frontier metrics to uncover major types of forest cover changes*

**17h15** | O16 Gonzalo Rivas-Torres  
*Summarizing two decades of research on *Scalesia* (Asteraceae), the most endemic and iconic plant genus radiated in the Galapagos Islands*

**17h30 | Hall | Poster Session**

**17h30 | Room B | gtö's General Assembly (Members only)**

**20h00 | Conference dinner**

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## PROGRAMME

## THURSDAY, 15TH | MORNING 1/2

**09h00 | Room A | Marco Mello**  
*The elephant, the monks, and the topology of interaction networks*

## Room B

## S14: Tropical Forest management under climate change

- 09h45** | O02 Joana S. Carvalho  
*Will there be any suitable habitat left for African great apes by 2050?*
- 10h00** | O03 Noé Madingou  
*Vulnerability of African tropical rainforest to projected climate change*
- 10h15** | O04 Andrés Gerique  
*Unraveling the effects of market-based conservation on the sociocultural capital of indigenous peoples in the Western Amazon*
- 10h30** | O05 Mikkel Vindegg  
*Community perceptions of dry forest change in Tigray, Ethiopia: the role of local perspectives for governance and policy*
- 10h45** | O07 Carolina Soto Navarro  
*The AmistOsa lifeboat: building resilience to climate change through nature-based solutions in one of Central America's last great forests*
- 11h00** | O08 William Gosling  
*A 2300 year perspective on land-use change in the Andes biodiversity hotspot*

## Room C

## S22: Fossil fuels in tropical forests

## S17: Current trends in tropical African plant ecology

- 09h45** | O01 Martí Orta-Martínez  
*Compensation for Rights Holders of Unextractable Fossil Fuels in Tropical Rainforests*
- 10h00** | O02 Guillem R. Taberner  
*Environmental justice for the transition away from fossil fuels in tropical rainforests*
- 10h15** | O03 Gorka Muñoz  
*Assessing unburnable fossil fuels in the world's tropical rainforests: scaling down to oil and gas fields and coal deposits*
- 10h30** | O01 Antonia Reinhardt  
*Rainforest fragmentation in northern Madagascar during the past millennium - a result of intensified human impact and climate dynamics?*
- 10h45** | O02 Juliette Picard  
*Mapping tropical forest types and associated floristic, functional and faunistic composition in central Africa*
- 11h00** | O03 Madalena Matias  
*Between land and sea – Analysis of historical land cover dynamics at the coastal interface in Guinea-Bissau*

## Room D

## S16: Tropical Molecular Ecology

- 09h45** | O01 Helena Teixeira  
*Past volcanic activity predisposes an endemic threatened seabird to negative anthropogenic impacts*
- 10h00** | O02 Shawn Lehman  
*Dispersal dynamics of mouse lemurs in fragmented dry forests of Northwestern Madagascar*
- 10h15** | O03 Marine Ha-Shan  
*Inferring a demographic scenario accounting for population structure in two Indian Ocean bird species endemic to a single island*
- 10h30** | O04 Cock van Oosterhout  
*Genomics-informed conservation to the rescue*
- 10h45** | O05 Jordi Salmona  
*The critically endangered Coquerel's sifaka retains pre-deforestation genetic makeup*
- 11h00** | O10 Kasun Bodawatta  
*Living with toxins: convergent modifications of sodium channels against deadly batrachotoxin in New Guinean toxic birds*

**11h15 | Hall | Break for coffee & posters**



# PROGRAMME

# THURSDAY, 15TH | MORNING 2/2

**11h15 | Hall | Break for coffee & posters**

## Room B

**S14: Tropical Forest management under climate change**

**11h45** | O09 Laura Benitez

*14,000 years of climatic and anthropogenic change in the Afromontane forest of São Tomé Island, Gulf of Guinea*

**12h00** | O11 Hailemariam Tsegay #

*Modeling the current and future distribution of *Dracaena ombet* Kotschy and Peyr. under climate change in Ethiopia*

**12h15** | O12 Abrha M. Meressa

*Strict protection reduces environmental and economic sustainability of dry afromontane forests in low-income countries*

**12h30** | O13 Bianca W. Kassun

*Fuelwood or carbon: spatio-temporal trade-offs between major forest ecosystem services in a dry Afromontane Forest in Ethiopia*

**12h45** | O14 Dora M. Villela

*Edge effect caused by linear canopy openings on tree biomass dynamics in an Atlantic Forest fragment*

**13h00** | O16 Mengistu G. Mojo

*Woody carbon stock estimation and factors affecting their storage in Munessa Forest, Southern Ethiopia*

## Room C

**S17: Current trends in tropical African plant ecology**

**11h45** | O05 Francisco Gonçalves

*Leaf phenology across southern African woodlands varies with floristic composition and structure*

**12h00** | O06 Nathaly R.G. Ramírez

*Contributions of subtropical and tropical plant species to belowground ecological strategies*

**12h15** | O07 Ana Leite

*Rural communities' views on woodland contributions to people in Guinea-Bissau: the importance of wild edible plants*

**12h30** | O08 Maria Romeiras

*Conservation and sustainable use of tropical biodiversity: ongoing projects with Guinea-Bissau and Angola flora*

**12h45** | O09 Luís Catarino

*Ecology and socio-economic importance of palms in West Africa*

**13h00** | O10 Prishnee Bissessur

*Conservation lessons learnt from research on one of the fastest declining oceanic island endemic plant species worldwide*

## Room D

**S16: Tropical Molecular Ecology**

**11h45** | O06 Heike Pröhl

*Ecological and molecular mechanisms of colour diversity in tropical aposematic frogs*

**12h00** | O07 Fabio Pinheiro

*Genetic consequences of abiotic and biotic forces shaping the distribution limits of a neotropical orchid*

**12h15** | O08 Paulo de Sousa

*How fragmentation impacts the population genetics of specialist versus generalist oil-collecting bees in the Brazilian Cerrado*

**12h30** | O09 Stefan Merker

*Imperfect but improving – evolving insight into the phylogeography of Sulawesi tarsiers*

**12h45** | O11 Carina Moura

*Effects of land-use change on above and below-ground plant phylogenetic diversity and carbon storage in soil, roots, and litter*

**13h00** | O12 Chris Barratt

*Combining genomics and spatial modelling to make multi-species population vulnerability predictions*

**13h15 | Hall | Lunch**

Eligible candidates for the Merian Award are marked with an #



# PROGRAMME

# THURSDAY, 15TH | AFTERNOON 2/2

**13h15 | Hall | Lunch**

## Room B

**S21: Ecological and social dimensions of hydropower**

**14h30** | O01 Isabel Jones  
*Interdisciplinary approaches to quantifying the social-environmental impacts of large hydropower development*

**14h45** | O02 Angelica Resende  
*Renewable but not sustainable: the environmental and social costs of hydroelectric dams in the Brazilian Amazon*

**15h00** | O03 Thomas Luypaert #  
*Extending species-area relationships to the realm of eco-acoustics: Island Soundscape-Area Relationships*

**15h15** | O04 Ana F. Palmeirim  
*Disentangling the effects of habitat fragmentation and top-down trophic cascades on small mammal assemblages on Amazonian forest islands*

**S20: Understory shrubs: adapting amidst change**

**15h30** | O01 Jonas Depecker  
*Unveiling the genetic diversity and structure of wild *Coffea canephora* populations in Yangambi (DRC) and how they are impacted by forest disturbance*

## Room C

**S17: Current trends in tropical African plant ecology**

**14h30** | O11 Mohammad I.Z.A. S. Abbass  
*Application of spatial conservation prioritization for terrestrial ecosystem management: a tropical island oriented global systematic review*

**14h45** | O12 François Baguette  
*Review of tropical pioneer trees' roles for restoration and conservation management: *Harungana madagascariensis* (Hypericaceae) as a model*

**15h00** | O13 Susan Eshelman #  
*Malagasy grass flora dynamics: an exploration of environmental influences on grassy functional traits*

**15h15** | O14 Ghanishta Seeburrun  
*A review of the impact of alien species on the biodiversity of a tropical oceanic island*

**15h30** | O15 Peter Jörg Horchler  
*Invasive alien plants drive inexorable loss of native woody plant diversity in a tropical oceanic island: Insight from changes over 17 years in permanently set plots*

## Room D

**S16: Tropical Molecular Ecology**

**14h30** | O13 Margarida Henrique  
*How to deal with the impact of the reference divergence in the demographic history of non-model species*

**14h45** | O14 Lounes Chikhi  
*Reconstructing the evolutionary history of species with genomic data: what can the IICR (inverse instantaneous coalescence rate) tell us ?*

**15h00** | O15 Ravi Vishwakarma  
*Life history traits predict contrasting dynamics of genetic diversity during a ca. 14,000-year glacial cycle: a spatial simulation study*

**15h15** | O16 Ana I. Ribeiro-Barros  
*Coffee agroforestry, reforestation, and landscape genomics: the successful case of Mount Gorongosa, Mozambique*

**S18: Tropical Ecological Modelling**

**15h30** | O02 Mateus D. de Paula  
*Modeling the influence of herbivory on plant functional trait diversity and nutrient availability in a tropical mountain forest gradient*

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# PROGRAMME

# THURSDAY, 15TH | AFTERNOON 2/2

## Room B

S20+

**15h45** | O03 Thomas Couvreur  
*Evolutionary dynamics of central African rain forest trees and understory plants reveal contrasting responses to past climatic fluctuations*

**16h00** | O04 Rémi Tournebize  
*Ecological and genomic vulnerability to climate change across native populations of Robusta coffee (*Coffea canephora*)*

## Room C

S17+

**15h45** | O16 Cláudia Baider  
*Control of invasive alien plants from native forests of a tropical oceanic island improves forest biomass against a backdrop of strong benefits to threatened biodiversity*

**16h00** | O17 F.B. Vincent Florens  
*Control of invasive alien plants promotes seed dispersal mutualisms and human-wildlife conflict mitigation: Case of the flying fox *Pteropus niger* on tropical oceanic island Mauritius*

## Room D

S18+

**15h45** | O05 Angelica Resende  
*Tracking successional stages of the Atlantic Forest through space technology*

**16h15** | **Hall** | Break for coffee and posters

**17h30** | **Room A** | Closing ceremony + Awards + Invitation for 2025

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## POSTER PRESENTATIONS

### S2: Cutting-edge biomonitoring in the tropics

P01 Carolina [Soto Navarro](#)

*The Osa conservation campus: protecting central America's greatest pacific lowland rainforest*

P02 Claudia [Viganò](#) #

*Shedding light on the dark side of the forest: using camera traps to uncover nocturnal plant-animal interactions in the canopy of *Handroanthus chrysanthus*, a neotropical tree species*

P03 Ricardo Jorge [Lopes](#)

*Automated acoustic monitoring for tropical biodiversity assessment - prospects for small island developing States*

### S3: Multitrophic networks in tropical forests

P01 Malika [Gottstein](#)

*Seed dispersal by brown-headed spider monkeys in the Chocó biodiversity hotspot, Ecuador*

P02 Patrícia A.P. [Chaves](#)

*Unveiling the role of bats and birds in rice pest control: A case study in Guinea-Bissau's rice paddies*

P03 Selma [Kosmas](#)

*Trophic simplification of predator-prey mammal systems in postwar Angola*

### S4: Tropical chemical ecology

P01 Malika [Gottstein](#)

*Seed dispersal by brown-headed spider monkeys in the Chocó biodiversity hotspot, Ecuador*

### S5: Adaptations of neotropical biodiversity to changes

P01 Patricia [Morellato](#)

*Center for Research on Biodiversity Dynamics and Climate Change, a Brazilian center dedicated to research, innovation and science dissemination*

P02 Beatriz Lucas [Arida](#) #

*Different but not isolated: investigating reproductive barriers and morphological divergence between ecotypes of *Epidendrum fulgens**

P03 María Rita [Guzman](#)

*Impacts of salinity on Guatemalan marigold (*Tagetes patula* L.) flowers: small and fewer flowers despite high antioxidant performance*

P04 Anaïs K [Tallon](#)

*A 10-year case study: How do global changes influence hummingbird survival and phenology?*

P05 Luís Pedro [Pratas-Santiago](#)

*Withdrawal and Expansion: A Decade of Dynamic Ungulate Distribution in Amazonian Lowland Sanctuaries (2010-2020)*

P06 Sean [Glynn](#)

*Impacts of small-scale artisanal gold mining on understory bird communities in Guyana*

### S7: Tropical forest/tree functioning

P01 Luis Amadeu [Pungulanhe](#)

*Horizontal composition of miombo species in two areas with different fire frequencies. Gilé National Park, Zambezia Province*

P02 Laura Helena Porcari [Simões](#)

*Functional composition in different canopy strata in unmanaged *Eucalyptus* plantations*

### S8: Free session

P01 João [Albuquerque](#)

*Dietary segregation between two sympatric West-African swallows: Red-chested Swallow *Hirundo lucida* and Wire-tailed Swallow *Hirundo smithii**

P03 Megan K. [Sullivan](#)

*Disturbance dynamics: abiotic understory characteristics that are altered by selective logging and elephant trails impact seedling performance in a Gabonese tropical forest*

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## POSTER PRESENTATIONS

### S8: Free session +

P04 Diego P. [Santos](#)

*The problem of conserving an ecosystem that has not been completely delineated and mapped: the case of the Cocais Palm Forest*

P05 Filipe [Pedroso-Santos](#)

*Vertebrate taxonomic and functional hotspots in the Brazilian Atlantic Forest*

P06 Diego P. [Santos](#)

*Production of Babassu Coconut Almonds in the "Core" region of the Cocais Forest*

P07 Alfred [Houngnon](#)

*Floristic clues to the origins of the Dahomey Gap from the Ewe-Adakplame forest (Benin, West Africa)*

P08 Cláudia [Ribeiro](#)

*Assessing colonization trends of translocated ungulates using camera-trapping data*

P09 Jason [Vleminckx](#)

*Inter-annual changes in plant phenology in a tropical ever-wet forest community of Western Amazonia*

### S9: Tropical biomonitoring in a molecular era

P01 Elise [Sivault](#)

*Fecal DNA metabarcoding and stable isotopes shed light on the short-term and long-term diet of frugivorous bat species in Papua New Guinean rainforests*

### S10: Biodiversity and sustainable tropical agriculture

P01 Bruna [Xavier da Silva](#)

*Consequences of replacing natural savannas with eucalyptus plantations and soybean fields for the taxonomic and functional diversity of bats in the Amazonian Savannas*

P02 Inês [Morais](#)

*Gleaning insectivorous bats eat seasonably on a West African rice farming landscape: implications for ecosystem services*

P03 Paula [Lopes](#)

*Guild-dependent patterns of bird abundance along the rice growth cycle in lowland rice fields of Guinea-Bissau (West Africa)*

P04 Inês [Lacerda](#)

*Sowing Seeds, Soaring Feathers: Exploring the role of temporal and spatial heterogeneity in shaping bird assemblages of Guinea-Bissau's freshwater rice fields*

P05 Tiago [Conçalves](#)

*Variation of pest consumption by insectivorous bats and birds in smallholder rice fields in West Africa*

P06 Eliza [Van de Sande](#)

*Global variation in the flowering phenology of cacao trees (*Theobroma cacao*)*

P07 Eliza [Van de Sande](#)

*Simulating the potential effects of cocoa-related deforestation on species connectivity in a West African biodiversity hotspot*

P08 Rafael [António](#)

*Effects of land use change on soils from Guinea-Bissau*

P10 Miguel [Brilhante](#)

*African wild beans as a source of nutritional and bioactive compounds*

P11 Carla [Tavares](#)

*Characterization of the invasive pest fall armyworm, *Spodoptera frugiperda* Smith (Lepidoptera, Noctuidae), populations in Cape Verde*

P12 Adriana Padilha

*Communities of pollinating arthropods in the agroecosystems of São Tomé*

### S11: Biodiversity, biotic interactions and functioning

P01 Charuta Murkute

*Water and carbon fluxes induced by seasonal variations of microclimatological conditions using eddy-covariance measurements over a tropical mountain dry forest ecosystem in South Ecuador*

P02 Kim Lea Holzmann #

*From large mammals to small dung beetles: Diversity & abundance along a forest elevational gradient in Peru*

P03 Pablo Aycart [Lazo](#)

*Detecting functional rarity in a hyperdiverse Amazonian dung beetle assemblage*

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## POSTER PRESENTATIONS

P04 Pedro [Alonso-Alonso](#)

*From Andes to Amazonia: Abundance of bees along a tropical forest elevational gradient*

### S14: Tropical Forest management under climate change

P01 Bianca [Nunes dos Reis](#)

*Forest regeneration in a chronosequence of restored areas in the Atlantic Forest of Rio de Janeiro, Brazil*

P02 Madalena [Matias](#)

*People, Rice and Mangroves in coastal Guinea-Bissau: modelling sea level rise and its potential effects*

P03 Berihu [Kahsay](#)

*Forest regeneration in a chronosequence of restored areas in the Atlantic Forest of Rio de Janeiro, Brazil*

P04 Juan David [González-Trujillo](#)

*Protected areas are more exposed to extreme weather than unprotected areas across Central America*

### S15: Ecosystem services of tropical wetlands

P01 Flavia Machado [Durgante](#)

*Drought affects tree growth in two species (*Nectandra amazonum* and *Hydrochorea corymbosa*) in Central Amazonian Floodplain Forests*

P02 Chung Hoai [Nguyen](#)

*Late Holocene riparian vegetation dynamics, environmental changes, and anthropogenic impact in the Harapan forest of Sumatra, Indonesia*

P03 Djeuni Romuald [Duplex](#)

*Floristic diversity and carbon stock of cocoa-based agroforestry systems in the Littoral department Cameroon*

### S16: Tropical Molecular Ecology

P01 Camille [Steux](#)

*A demographic model of structured populations for common chimpanzees (*Pan troglodytes*) to infer past changes in connectivity*

P02 Ninda L. [Baptista](#)

*Filling gaps in tropical Africa: the fascinating diversity of Angolan frogs*

### S17: Current trends in tropical African plant ecology

P01 Víctor [Fernández-García](#)

*Recent fire history and plant diversity in Madagascar Central Highlands*

P02 Domingos [Francisco](#)

*Forest cover dynamics in Angolan protected areas between 2001-2022*

P03 Tewachew Worku [Kegne](#)

*Tree species diversity as a function of environmental conditions in potential seed collection areas in Amhara Region, Ethiopia*

P04 Claudete [Bastos](#)

*Wild edible plants in Angola: diversity, uses and properties, and socio-economic potential*

P05 Vanezia [Rocha](#)

*Thriving in dry tropical ecosystems: species functional adaptation*

P06 Fátima José [Inácio da Costa](#) #

*Mangrove restoration in Africa: case of success stories of the Western Indian Ocean*

### S20: Understory shrubs: adapting amidst change

P01 Thomas [Nicole](#)

*Monitoring plant-animal interactions with camera trap: *Heliconia* model in Martinique*

### S21: Ecological and social dimensions of hydropower

P01 Isabel [Jones](#)

*"Power Up!" A mobile phone videogame collecting big data on sustainable development decision-making: Insights from COP26*

P02 Norbert Tchamadeu [Ngameni](#)

*Benthic macroinvertebrates as bioindicators of water quality in view of the construction of a hydropower dam on the Dibombe River in Cameroon*

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