

**SYMPOSIUM 28: MANAGEMENT OF TROPICAL PROTECTED AREAS:
RESPONSES TO CURRENT AND FUTURE THREATS**

Bonito, 22nd June 2012 (Friday)

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Tropical ecosystems sustain much of the planet's biodiversity, and protected areas are a cornerstone of efforts to conserve this biodiversity and natural ecosystem processes in perpetuity. Unfortunately, many of the world's tropical protected areas are being besieged by serious environmental threats. Habitat loss continues apace in the tropics, and as a result many reserves are becoming isolated fragments surrounded by drastically modified landscapes. Numerous reserves are also suffering from illegal encroachment, logging, wildfires, mining, poaching, edge effects, and other degrading activities. Future climate change, moreover, could potentially pose a serious threat to reserve viability. Given this panoply of current and potential future environmental threats, can protected areas in the tropics function as arks to help conserve imperiled biodiversity, or are these arks in danger of sinking? Does each protected area face a unique combination of threats, or do many reserves suffer from common drivers of change? How can reserves be designed to maximize their resilience to environmental perils, and which management strategies are most effective for limiting the impacts of internal and external threats to reserves? These questions will underlay our proposed half-day symposium, which is designed to provide a global perspective on tropical protected areas. Our speakers will include some of the world's leading authorities on protected-area management and conservation in the tropics. This symposium is highly topical and will surely be of broad interest to many attendees at the ATBC conference in Bonito.

TALKS (Room Guaicurus, 14h00-18h00)

14h00-14h15 (S28.OC.02) **Woody vegetation change in all ecoregions and protected areas of Latin America and Caribbean, 2001-2010.** *Matthew Clark*

14h15-14h30 (S28.OC.03) **Agricultural expansion can menace Brazilian protected areas during the 21st century.** *Ricardo Dobrovolski*

14h30-14h45 (S28.OC.04) **Are parks succeeding? State of 101 protected areas in Latin America.** *John Terborgh*

14h45-15h00 (S28.OC.05) **Conservation performance of strictly-protected and sustainable-use tropical reserves under varying population density and economic prosperity.** *Carlos Peres*

15h00-15h15 (S28.OC.06) **Management challenges and perspectives in Brazilian federal protected areas.** *Katia Torres Ribeiro*

15h15-15h30 (S28.OC.07) **Homeopathy principles in the management of Cerrados: tackling the problem using small doses of the problem itself.** *Vania Pivello*

Coffee Break

- 16h30-16h45 (S28.OC.08) **Predicting changes in ecological thresholds with a spatially explicit Dynamic Global Vegetation Model.** *Carolina Blanco*
- 16h45-17h00 (S28.OC.09) **Kilimanjaro under global change.** *Andreas Hemp*
- 17h00-17h15 **Where you rear your young matters: climate change vulnerability of frogs in the Philippine global biodiversity hotspot.** *Brett R Scheffers*
- 17h15-17h30 (S28.OC.11) **Protected areas and ecological restoration: a two way path.** *Giselda Durigan*
- 17h30-17h45 (S28.OC.12) **Ecological restoration of protected areas in developing island nation: how useful is the science?** *Vincent Florens*
- 17h45-18h00 (S28.P.03) **Integrating local knowledge in land use planning through a collaborative approach in Papua, Indonesia.** *Michael Padmanaba*

POSTERS (Karuha Space, 15h30-16h30)

- S28.P.01. **Estimating the effectiveness of Malagasy protected areas in reducing deforestation.** *Ricardo Rocha*
- S28.P.02. **Comparative analysis of cost and viability of different management techniques to control the invasive grass *Melinis minutiflora* in the Cerrado conservation units.** *Gabriela Bielefeld Nardoto*
- S28.P.04. **Reconciling customary land and conservation around the Manusela national park, in Seram island, Indonesia.** *Nining Liswanti*
- S28.P.05. **Impact of household behavior on biodiversity conservation.** *Nathan Kanuma Taremwa*
- S28.P.06. **A new land cover transition model scheme for Southeast Asian tropical forest conservation with scenario approach.** *Reiichiro Ishii*
- S28.P.07. **Mountain gorilla's food abundance variability over space and time in Volcanoes National Park, Rwanda.** *Elias Bizuru*
- S28.P.09. **Conservation status of the permanent protected areas of the Coqueiral natural reserve, Minas Gerais, Brazil.** *Lisiane Zanella*
- S28.P.10. **Comparison of the bird assemblages sampled in selective logging and preserved sites in Floresta Nacional do Jamari, Rondônia, Brazil.** *Luiz Mestre*
- S28.P.11. **The contribution of protected areas to the livelihoods of the adjacent communities: case study of Volcanoes National Park in Musanze district, Northern Province of Rwanda.** *Nathan Kanuma Taremwa*