

# 7 *TROPI-DRY Part I: Human and Biophysical Dimensions of Neotropical Dry Forests:  
Results from a Collaborative Research Network*

**Organizer** by:

- G. Arturo Sanchez-Azofeifa, Tropi-Dry Principal Investigator, Earth and Atmospheric Sciences Department, University of Alberta, Canada
- Mauricio Quesada, Centro de Investigaciones en Ecosistemas, Universidad Nacional Autónoma de México

**Co- Organizer** by:

- Geraldo Wilson Fernandez, Biology Department, Universidade Federal de Minas Gerais, Belo Horizonte, Minas Gerais
- Jon Paul Rodriguez, Instituto Venezolano de Investigaciones Científicas (IVIC), Caracas, Venezuela

13:50 **Overview** by Symposium Organizer

14:00 Extent, threats and conservation of tropical dry forests in the Americas  
**Carlos Portillo-Quintero** and **G. Arturo Sanchez-Azofeifa**

14:20 Changes in tree and liana communities along a successional gradient in a tropical dry forest in southeastern Brazil  
**Mário M. Espírito-Santo, Bruno G. Madeira, Santos D'Ângelo, Yule R. F. Nunes**  
**G. Arturo Sanchez Azofeifa<sup>2</sup>, Geraldo W. Fernandes<sup>3</sup> and Mauricio Quesada<sup>4</sup>**

14:40 Functional Traits of Woody Species Growing Under Different Successional Stages of a Tropical Dry Forest  
**Mariana Y. Alvarez-Anorve<sup>1</sup>, Mauricio Quesada<sup>1</sup> and G. Arturo Sanchez-Azofeifa<sup>2</sup>**

15:00 Coffee break

15:20 Multi-scale assessment of tropical dry forest extinction risk and conservation priorities in northern Venezuela  
**Rodríguez, Jon Paul<sup>1,2</sup>, Jafet M. Nassar<sup>1</sup>, Kathryn M. Rodríguez-Clark<sup>1</sup>, Carlos A. Portillo Q.<sup>3</sup>, Irene Zager<sup>2</sup>, Fabián Carrasquel<sup>2</sup>, and Sergio Zambrano<sup>1</sup>**

15:40 Mapping liana coverage from hyperspectral data in a tropical dry forest: leaf and crown levels  
**Margaret Kalacska** and **G. Arturo Sanchez-Azofeifa**

16:00 The effect of forest age on response to climatic variation in tropical dry forests: regional to continental scales  
**Deborah Lawrence**

# 7 *TROPI-DRY Part II: Human and Biophysical Dimensions of Neotropical Dry Forests:  
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10:00 Vegetation and flora of Central Brazil dry forests and the strategy for its conservation  
**Anderson C. Sevilha, Taciana B. Cavalcanti, and Aldicir Scariot**

- 10:20 Linkages between ecosystem structure, composition and leaf area index along a tropical dry forest chronosequence in Mexico  
**Yingduan Huang, Arturo Sanchez-Azofeifa, Benoit Rivard and Mauricio Quesada**
- 10:40 Mass loss and nitrogen dynamics of decomposing leaf litter of 26 tropical dry forest species: a trait-based approach  
**Jennifer S. Powers**
- 11:00 Coffee break
- 11:20 Ecological Basis for the Conservation and Management of Endangered Dry Forests Trees in Central Brazil  
**Aldicir Scariot<sup>1</sup>, Daniel L. M. Vieira<sup>2</sup>, Anderson C. Sevilha<sup>1</sup>, Alexandre B. Sampaio<sup>3</sup>, Antonieta N. Salomão<sup>1</sup> and Ernestino Guarino<sup>1</sup>**
- 11:40 Human dimensions of land use and land cover change around the Chamela-Cuixmala Biosphere Reserve  
**Alicia Castillo**
- 12:00 Deforestation and Restoration of Tropical Dry Forest: the case of the Chorotega Region in Costa Rica  
**G. Arturo Sánchez-Azofeifa<sup>1</sup>, Julio C. Calvo-Alvarado<sup>2</sup>, Alexander Pfaff<sup>3</sup> and Juan Andres Robalino<sup>4</sup>**
- 12:30 Lunch

*# 7 TROPI-DRY Part III: Human and Biophysical Dimensions of Neotropical Dry Forests:  
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- 14:00 Natural regeneration and restoration of dry forests of Central Brazil  
**Daniel L. M. Vieira<sup>1</sup>, Alexandre B. Sampaio<sup>2</sup>, Aldicir Scariot<sup>3</sup> and Anderson C. Sevilha<sup>3</sup>**
- 14:20 The changing context of forest protection: Investigating the influence of socioeconomic change on forest regrowth in the Guanacaste Conservation Area, Costa Rica  
**Blythe McLennan, Theresa Garvin and Arturo Sanchez-Azofeifa**
- 14:40 Changes in composition, structure, and diversity of phyllostomid bat communities during the natural regeneration of tropical dry forest  
**Luis Daniel Ávila Cabadilla and Kathryn E. Stoner**
- 15:00 Coffee break
- 15:20 Diversity of fruit-feeding butterflies on three successional stages of a seasonally dry tropical forest in northern Minas Gerais, Brazil  
**Bruno Gini Madeira, Elton Bordoni, Victor Hugo Fonseca Oliveira and Carlos Frankl Sperber**
- 15:40 Reproductive phenology and pollination ecology of Ipomoea in different successional stages in a dry tropical forest  
**Víctor M. Rosas-Guerrero, Mauricio Quesada, Yunuen García-Rojas and Pablo Cuevas-Reyes**

16:00 Sustainability of tropical dry forests: informatics needs in an interdisciplinary and multidisciplinary world  
**John Gamon** and **G. Arturo Sanchez-Azofeifa**

16:20 Conclusion Symposium