



# Diego J. Lizcano

BIODIVERSITY SPECIALIST · TNE NATURE CONSERVANCY (TNC-NASCA)

Calle 67 No. 7-94, Piso 3, Torre Colfondos, Bogotá, Colombia

☎ (+57) 320-2818712 | ✉ [diego.lizcano@tnc.org](mailto:diego.lizcano@tnc.org) | 🏠 [dlizcano.github.io](https://dlizcano.github.io) | 📱 [dlizcano](#) | 📺 [lizcano](#) | 🐦 [@dlizcano](#) | 📧 [diego\\_lizcano](#) | 🔍 [scholar.google](#)

*"The mountains are calling and I must go. - John Muir"*

## Education

### University of Kent (UK), Durrell Institute of Conservation and Ecology (DICE)

Canterbury, Kent, UK

PH.D. IN BIODIVERSITY MANAGEMENT

2001 - 2006

- Ecology and conservation of large mammals in the tropical Andes
- Supervisor: Richard E. Bodmer, Ph.D.

### Universidad de los Andes

Bogotá, Colombia

B.Sc. IN BIOLOGY

1990 - 1996

- Work with mountain tapirs in Colombia

## Short Courses

### Bat Acoustics Training and Analysis

Knoxville, TN USA

INSTRUCTORS: MICHAEL FISHMAN, KATIE O'CONNOR PH.D. PRESCOTT WELDON PH.D.

2017

- Introduced to bat monitoring using bioacoustics, data techniques and species identification

### Occupancy modeling in BUGS/JAGS and unmarked. Applied hierarchical modeling in ecology using BUGS, JAGS and R

Patuxent, MD, USA

INSTRUCTORS: MARC KERY, PH.D. AND ANDY ROYLE, PH.D.

2013

- Introduced to advanced modeling techniques in occupancy, abundance, and spatial capture recapture, using R

### Training in Geographic Information Systems for Wildlife Conservation (Wildlife Conservation Society)

Bronx, New York, USA

INSTRUCTORS: ERIC SANDERSON, PH.D. AND GILLIAN WOOLMER PH.D

2000

- Introduced to mapping techniques, spatial analysis and geo databases using Esri software

## Skills

**Programming** R, Python, LaTeX, SQL

**Web** HTML5, Shiny, Markdown

**O. System** Windows, Linux, Mac OS

**Languages** English, Spanish (Native), Portuguese (Lecture)

**Software** MaxEnt, MARXAN, Zonation, NetLogo

**GIS** ArcGis, Erdas Imagine, QGIS, GRASS GIS, PostGIS, R

**Wildlife Tools** GPS, Telemetry VHF-GPS, Data Loggers, Camera Traps, Bioacoustics

## Experience

### The Nature Conservancy (TNC)

Bogotá, Colombia

BIODIVERSITY SPECIALIST FOR NASCA

Oct. 2016 - Today

- Tasks: Biodiversity Monitoring for Projects in the Northern Andes and Southern Central America (NASCA)

## Central Research Department (DCI), Universidad Laica Eloy Alfaro de Manabí (ULEAM)

*Manta, Manabí, Ecuador*

### RESEARCHER TYPE III

*Sep. 2014 - Oct. 2016*

- Director of the project: Wildlife in Protected and Framented Areas of Manabí, Ecuador.
- Tasks: Personnel management, equipment acquisition and scientific production.
- Project Website: <http://faunamanabi.github.io>
- Teaching: Ecology, Statistics

## Conservation Strategy Fund

*Washington DC, USA*

### RESEARCH FELLOW

*Oct. 2013 - Sep. 2014*

- Identification of theoretical and econometric models driving deforestation patterns.
- with an emphasis on institutional and government factors as underlying causes.
- <http://conservation-strategy.org/en/profile/diego-j-lizcano>

## TEAM, Tropical Ecology Assessment and Monitoring at Conservation International

*Arlington, VA 22202, USA.*

### VISITING SCIENTIST

*Mar. 2012 - Oct. 2013*

- Assistance analyzing camera trap data of five years from Costa Rica, using Bayesian statistical models and occupancy models. Support in species identification for TEAM network
- <http://www.teamnetwork.org/user/1082>

## World Bank

*Washington DC, USA*

### CONSULTANT

*Jun. 2012 - Jul 2012*

- Vegetation change analysis (2000-2010) using MODIS satellite images of product 44 for the protected areas: Pench, Periyar, Palamau, Buxa, Ranthambhore, and Kanha in India

## Sciences Faculty, Universidad de Pamplona, Colombia

*Pamplona, N. de Santander,  
Colombia*

### ASSISTANT PROFESSOR

*Jan. 2006 - Feb. 2012*

- Subject taught: Ecology, Evolution, Vertebrate Biology, Biogeography, Experimental Design
- 12 Undergrad Students Advised
- Research Group Director (5 year). Biology - Chemistry Department Director (1 year)

## Biology Department, Universidad de los Andes

*Bogota, Colombia*

### RESEARCH ASSISTANT

*Jan. 1997 - Dec. 2000*

- Mountain Tapir Project under supervision of Jaime Cavelier, Ph.D.
- Funded by Corporación Autonoma Regional de Risaralda (CARDER), Wildlife Conservation Society (WCS), and Banco de la Republica

## Honors & Awards

---

### INTERNATIONAL

2000-2018 **IUCN/SSC Tapir Specialist Group (TSG)**, Mountain Tapir Coordinator

2006 **IUCN/SSC Deer Specialist Group (DSG)**, Reporting on Mazama rufina

### DOMESTIC

1997 **Best Student Presentation**, First Colombian Congress of Conservation Biology

*Cali, Colombia*

- Escribano-Avila, G., L. Cervera, L. Ordóñez-Delgado, A. Jara-Guerrero, L. Amador, B. Paladines, J. Briceño, V. Parés-Jiménez, **D. J. Lizcano**, D. H. Duncan, and C. Iván Espinosa. 2017. Biodiversity patterns and ecological processes in Neotropical dry forest: the need to connect research and management for long-term conservation. *Neotropical Biodiversity* 3:107–116.
- Cervera, L., **Lizcano, D.J.**, Parés-Jiménez, V., Espinoza, S., Poaquiza, D., De la Montaña, E., Griffith, D.M. 2016. A camera trap assessment of terrestrial mammals in Machalilla National Park, western Ecuador. *Check List* 12: 1868.
- **Lizcano, D.J.**, Cervera, L., Espinoza-Moreira, S., Poaquiza-Alava, D., Parés-Jiménez, V., Ramírez-Barajas, P.J. 2016. Medium and large mammal richness from the marine and coastal wildlife refuge of Pacoche, Ecuador. *Therya* 7: 137-145.
- Cervera, L., **Lizcano, D.J.**, Tirira, D.G., Donati, G. 2015. Surveying two endangered primate species (*Alouatta palliata aequatorialis* and *Cebus aequatorialis*) in the Pacoche Marine and Coastal Wildlife Refuge, West Ecuador. *International Journal of Primatology*.
- Ortega-Andrade, H. M., D. A. Prieto-Torres, I. Gómez-Lora, and **D. J. Lizcano**. 2015. Ecological and Geographical Analysis of the Distribution of the Mountain Tapir (*Tapirus pinchaque*) in Ecuador: Importance of Protected Areas in Future Scenarios of Global Warming. *PLoS ONE* 10:e0121137.
- **Lizcano, D. J.**, J. A. Ahumada, A. Nishimura, and P. R. Stevenson. 2014. Population Viability Analysis of Woolly Monkeys in Western Amazonia. in press in T. Defler and P. R. Stevenson, editors. *The Woolly Monkey*. Springer, New York.
- Gallardo, A. O., and **D. J. Lizcano**. 2014. Organización social de una colonia del murciélago *Carollia brevicauda* en un refugio artificial, Bochalema, Norte de Santander, Colombia. *Acta Biológica Colombiana* 19:113 121.
- Ahumada, J. A., J. Hurtado, and **D. Lizcano**. 2013. Monitoring the status and trends of tropical forest terrestrial vertebrate communities from camera trap Data: A tool for conservation. *PLoS ONE* 8:e73707.
- Setina, V., **D. J. Lizcano**, D. M. Brooks, and L. F. Silveira. 2012. Population density of the helmeted curassow (*Pauxi pauxi*) in Tamá National Park, Colombia. *The Wilson Journal of Ornithology* 124:316 320.
- Cavelier, J., **D. J. Lizcano**, E. Yerena, and C. Downer. 2011. The mountain tapir (*Tapirus pinchaque*) and Andean bear (*Tremarctos ornatus*): two charismatic large mammals in South American tropical mountain cloud forest. Pages 172–181 in L. A. Bruijnzeel, F. N. Scatena, and L. S. Hamilton, editors. *Tropical Montane Cloud Forests*. Cambridge University Press, New York.
- Suárez-Payares, L. M., and **D. J. Lizcano**. 2011. Uso de refugios por tres especies de murciélagos filostómidos (Chiroptera: Phyllostomidae) en el Área Natural Única Los Estoraques, Norte de Santander, Colombia. *Mastozoología Neotropical* 28:259 270.
- **Lizcano, D. J.**, S. J. Alvarez, and C. Delgado-V. 2010. DWARFT RED BROCKET *Mazama rufina* (Pucheran 1951). Pages 177 180 in J. M. B. Duarte and S. González, editors. *Neotropical Cervidology: Biology and Medicine of Latin American Deer*. Funep, Jaboticabal, Brazil.
- **Lizcano, D. J.**, E. Yerena, S. J. Alvarez, and J. R. Dietrich. 2010. MÉRIDA BROCKET *Mazama bricenii* (Thomas 1908). Pages 181 184 in J. M. B. Duarte and S. González, editors. *Neotropical Cervidology: Biology and Medicine of Latin American Deer*. Funep, Jaboticabal, Brazil.
- **Lizcano, D. J.**, and J. Cavelier. 2004b. Using GPS collars to study mountain tapirs (*Tapirus pinchaque*) in the Central Andes of Colombia. *Tapir Conservation* 13:18–23.
- **Lizcano, D. J.**, and J. Cavelier. 2004a. Características químicas de salados y hábitos alimenticios de la danta de montaña (*Tapirus pinchaque* Roulin, 1829) en los Andes Centrales de Colombia. *Mastozoología Neotropical* 11:193 201.
- **Lizcano, D. J.**, and A. Sissa. 2003. Notes on the distribution and conservation status of mountain tapir (*Tapirus pinchaque*) in north Peru. *Tapir Conservation* 12:21 24.
- **Lizcano, D. J.**, V. Pizarro, J. Cavelier, and J. Carmona. 2002. Geographic distribution and population size of the mountain tapir (*Tapirus pinchaque*) in Colombia. *Journal of Biogeography* 29:7 15.
- **Lizcano, D. J.**, and J. Cavelier. 2000. Densidad poblacional y disponibilidad de hábitat de la danta de montaña (*Tapirus pinchaque*) en los Andes Centrales de Colombia. *Biotropica* 32:165 173.
- **Lizcano, D. J.**, and J. Cavelier. 2000. Daily and seasonal activity of the mountain tapir (*Tapirus pinchaque*) in the Central Andes of Colombia. *Journal of Zoology* 252:429 435.