

TROPILUNCH



Leveraging 'the power of people' for biodiversity conservation:
Insights from community science data on population dynamics,
biogeography, and local ecological knowledge

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BIO

Orlando is a PhD candidate in Interdisciplinary Ecology with concentration in Wildlife Ecology and Conservation, advised by Dr. Miguel Acevedo. He is also part of the Florida Museum of Natural History, co-advised by Dr. Scott Robinson, and the Tropical Conservation and Development program. He earned a BSc in Biology from the Universidad Nacional de Colombia in Bogotá and holds a master's degree in biology at the University of Puerto Rico-Río Piedras. His research interests are broad, ranging from participatory science and outreach programs to biodiversity monitoring and global change ecology, including the use of a variety of tools such as acoustics, community science, ecological modeling, and/or field exploration.

SUMMARY



Practices in science are changing, linking different types of knowledge in transdisciplinary ways. Orlando's team presents a study case that aimed to integrate the ecological calendar of indigenous people and community science initiatives for biodiversity monitoring of the Colombian Amazon region. By linking these two perspectives, they provide a tool for long-term monitoring tailored to local context, bridging national to global dynamics of socioeconomic growth. They propose that the ecological calendar can be an iterative device, connecting the spatial and temporal resolution needed to monitoring changes in biodiversity within the indigenous territories, without losing traditional nature-human relationship. Specifically, they claim the eagerness to collaborate by visitors to this territory, resolving current shortfalls in a community science platform. This study fosters the use of iteratively applied ecological calendars as an adaptive strategy for local communities to environmental change and management of their territory.



Tuesday - April 15, 2025

12:45 - 1:45 pm



Grinter Hall 376 or

Zoom link

Tropilunch is a seminar run by graduate students from the Tropical Conservation and Development (TCD) Program. It provides a forum for a range of discussions and presentations related to TCD work and research. Special guests, visiting scholars, and practitioners also participate. It happens weekly around lunchtime.



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