# NATURAL HISTORY AND REPORT OF LEPIDOPTERA HOST PLANTS IN SOUTHEASTERN PERU

Retuerto-Silva, Lizett<sup>1</sup>, Gallice, Geoffrey<sup>2</sup>

1. Alianza para una Amazonía Sostenible Perú, Las Piedras, Perú. 2. Departamento de Ingeniería, Pontificia Universidad Católica del Perú, Lima, Perú., Alliance for a Sustainable Amazon, Potomac, USA., Department of Natural History, Florida Musuem of Natural History, University of Florida, Gainesville, US

## Background & Aims



The accelerated loss of plant biodiversity in recent years seriously affects the most biodiverse region of the world, directly affecting the interaction with insects. We focus on the study of lepidoptera as bioindicator species to know the change and adaptation of dry land forests in lowland rainforest.

The main objective is to show the progress of a project that aims to know all the host plants of lepidoptera in the southeastern Peruvian Amazon.





### Study area

This study is carried out in Madre de Dios, Peru, at the Finca Las Piedras Research Station (FLP).



Methodology





Figure 2. Collection of Lepidoptera immatures.

Figure 1. Summary of immature breeding from 2018 to present.



Figure 3. Survival rate in immature rearing.





**Searching for and** collecting immature lepidoptera





Figure 4. Relationship between host plants and Lepidoptera

## **Discussion & Future Directions**

This study underlines the importance of continued research and protection of the complex relationships between lepidopterans and their host plants. In addition, they can be used to develop more effective management and conservation strategies.

The data collected provides a solid basis for future research on the ecology and evolution of plant-insect relationships in the region. To which DNA barcode analysis can be added to provide a more reliable and complementary set of results.



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identification



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