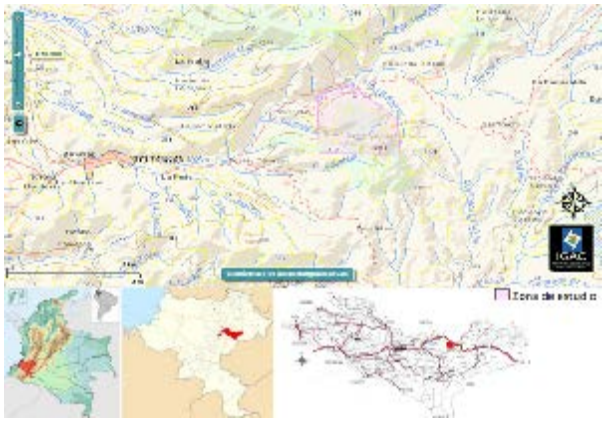
Project Update: April 2014

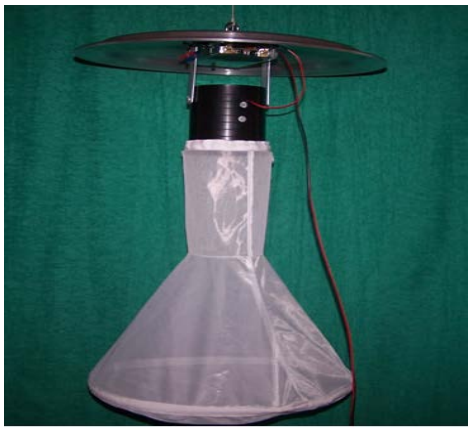
Location of the village el Cofre, Totoró, Cauca (IGAC, 2013)



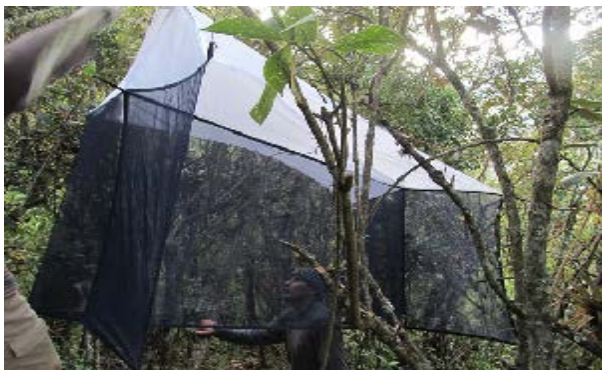
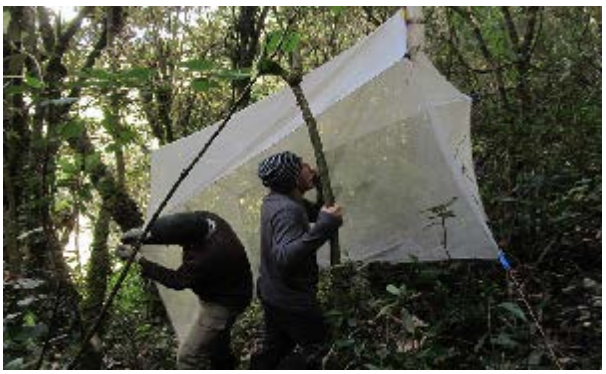
The sampling area is located between 2900 and 3300 m, in the quadrant with coordinates 30'50 "N, 76 ° 20'14" W and 2 ° 31'44 "N, 76 ° 21'18" W on the village El Cofre, Municipality of Totoro, Cauca. The annual average rainfall is 2000 mm corresponding climatic seasonality presenting a bimodal state, where most rainfall occurs in the months of April to May and the shortage of rainfall in the months of November to January (Martínez, 2011). The area has a relative humidity between 79.3 and 83.1%. The annual average temperature is between 9 and 13 º C. This point has a slope between 20 and 70%. It is reached by the road leading to the town of Totoro.

First, we acquired the strictly necessary to carry out the proposed methodology in the project. Field trips are made from the month of January to June. Here is an example of some methodologies and traps used to capture Canopy Arthropods of high Andean forest.
Teams that can be seen here, are a sample of the field equipment that were acquired with the help of Rufford small grant.

Trap white light and magnifier

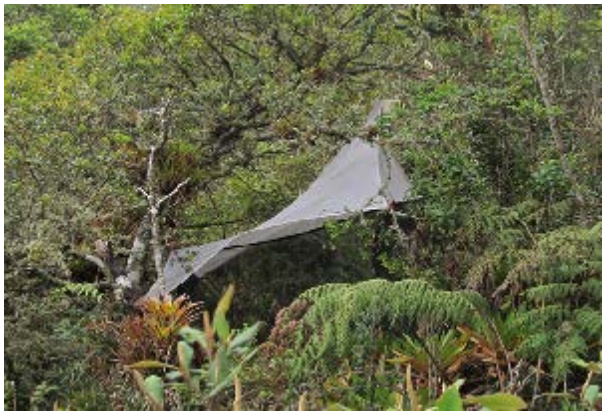


Malaise traps installed to catch bees (Hymenoptera-Apoidea)

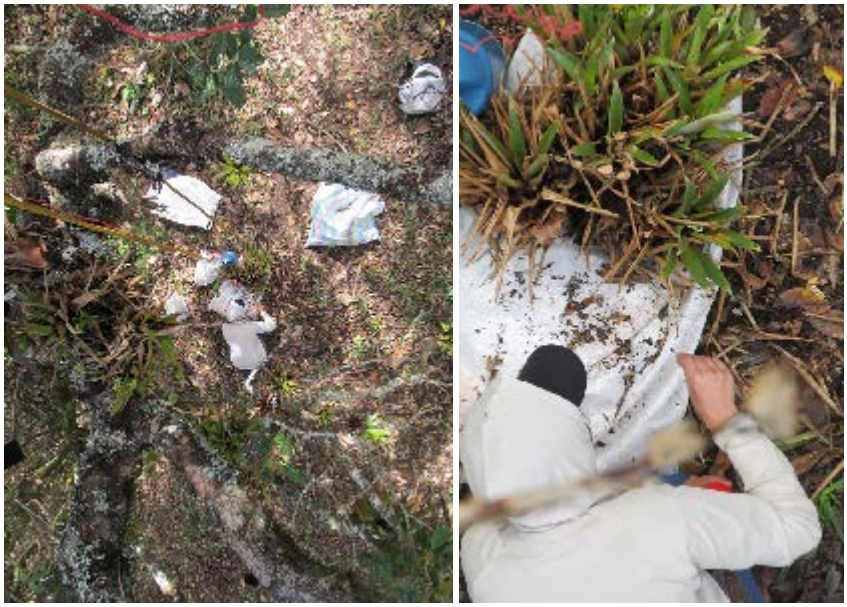
Installing malaise traps in the forest canopy to capture arthropods in transit


Instalaccion of adapted McPhail traps for capturing arthropods in transit through the branches and foliage of canopy trees

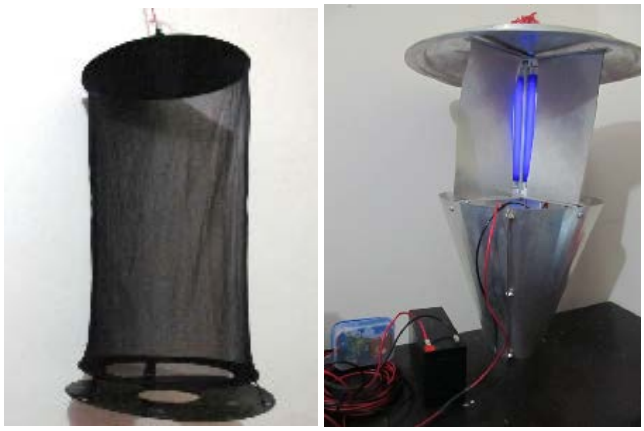


Capture canopy arthropods by manual collection

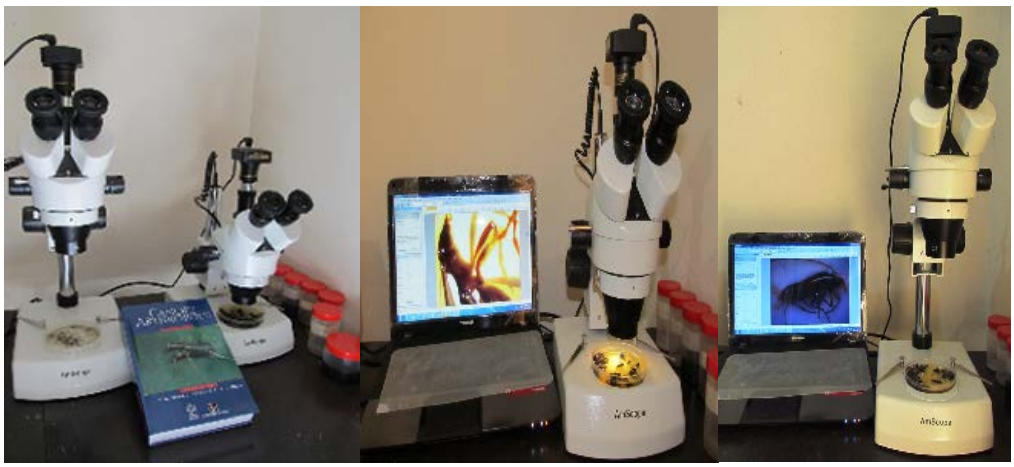
Traps Van someren Rydon who settled in the forest canopy to capture Lepidoptera and Diptera



Dark light trap for collecting nocturnal canopy arthropods



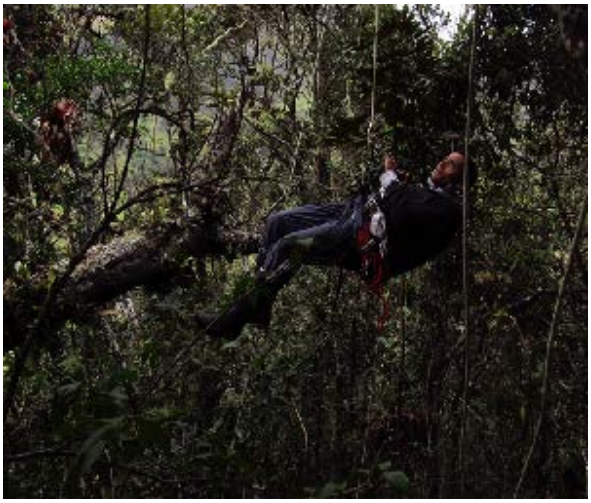
Stereoscope with camera for clean and identification of canopy arthropods



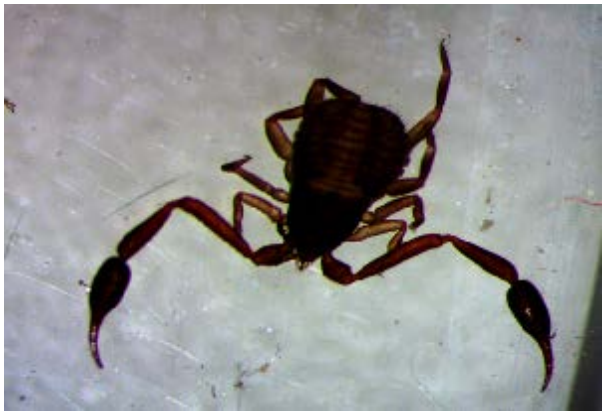
Unnel artisanal berlese

Ascent team were acquired to access the canopy more easily and safely

Looking from the canopy

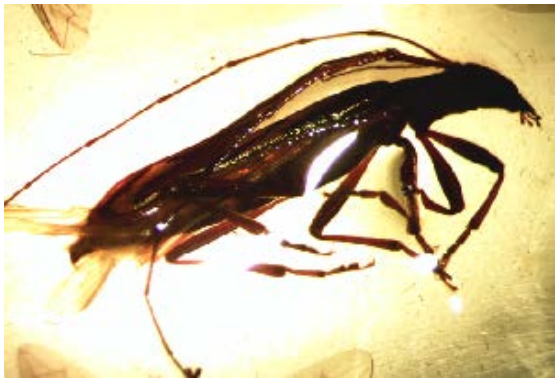



Some canopy arthropods found so far


(Pseudoscorpionidae)

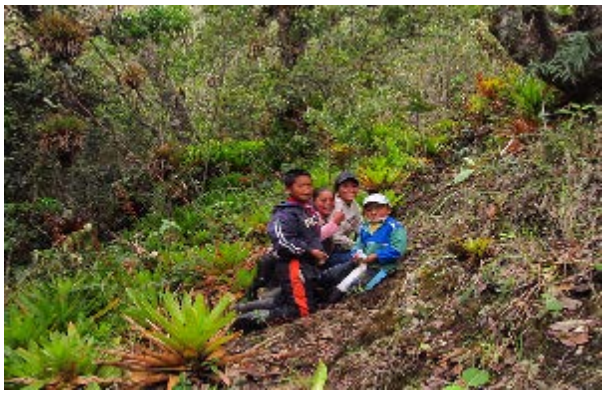
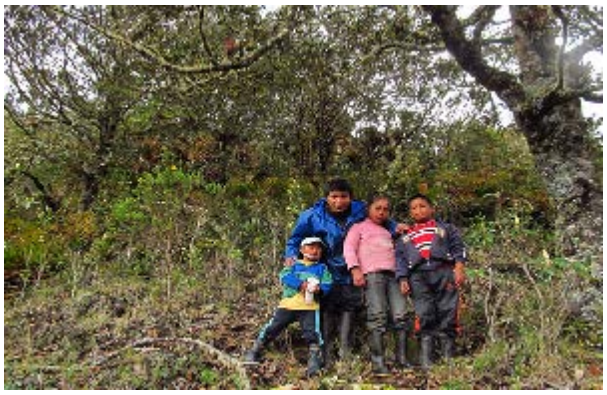

(Arachnidae, Acaridae)


(Coleoptera)




(Coleoptera)

In the forest with the community

The work so far has been very satisfactory, has been integrated to different people in the community including children that can learn which are organisms that live in the canopy of the forest, for they serve and how they can help with to the conservation of these. They and we enjoyed working together for the conservation of this ecosystem.

Second Step

- -Make all field trips in order to have a complete record of the arthropods that inhabit the canopy of this forest.
- -Cleaning the material collected for later identification, statistical and photographic registry.

Third Step

- Statistical-analysis of the data obtained during fieldwork