

Final Project Evaluation Report

Your Details	
Full Name	Azarys de Jesús Paternina Hernández
Project Title	Distribution and evaluation of threats of the amphibians in the Sanctuary of Fauna and Flora Guantá-Alto Río Fonce, Colombia.
Application ID	23720-1
Grant Amount	£4,941
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Date of this Report	December 06/2018

1. Indicate the level of achievement of the project's original objectives and include any relevant comments on factors affecting this.

Objective	Not achieved	Partially achieved	Fully achieved	Comments
Presentation of the project to the local communities				The activity was completed on the stipulated date according to the activity schedule
Application of surveys				The activity was completed on the stipulated date according to the activity schedule
Exposure of results obtained				Socialisation seminars were held with the communities of Avendaños I and II and with the technical staff of the SFF Guanentá Alto Río Fonce
Approach of joint strategies				Joint strategies were formulated with the community based on biological data
Development of the pre-sampling				The activity was completed on the stipulated date according to the activity schedule
Sampling of amphibians				The activity was completed on the stipulated date according to the activity schedule
Measurement of other variables				The activity was completed on the stipulated date according to the activity schedule
The data ordering				The activity was completed on the stipulated date according to the activity schedule
Analysis of the data				The activity was completed on the stipulated date according to the activity schedule
The writing phase final report				The activity was completed on the stipulated date according to the activity schedule

2. Please explain any unforeseen difficulties that arose during the project and how these were tackled.

The objectives of the project were met according to what was stated, however, it is necessary to indicate that logistical difficulties arose, given that the work areas and human communities lacked access routes, which made it difficult to access them.

3. Briefly describe the three most important outcomes of your project.

- a) The non-discovery of critically endangered species of the protected area that ignites the alarms about the continuity of the population decline registered by other authors and that shows the need to continue the exhaustive monitoring programs in the area.
- b) The finding of *Centrolene acantidicephalum* (Santander giant glass frog) species of which there were no records for more than 30 years, which is registered in the IUCN as Deficient Data (DD).
- c) The acceptance of human communities for the presentation of participatory conservation projects, which represents the cornerstone to successfully achieve the preservation of the natural capital of a given region.

4. Briefly describe the involvement of local communities and how they have benefited from the project.

Human communities, specifically Avendaños I and II, played an important role in the development of the project, both socially and biologically. They received training on issues related to environmental education and the care and protection of biodiversity and playful stimuli for children and school teachers to impart from the conservation perspectives the areas of natural sciences and biology.

5. Are there any plans to continue this work?

With the socialisation of the partial results of the project before the officials of the SFF, a link of inter-institutional cooperation was achieved between them and our research group to continue the work of monitoring the amphibian fauna in the area during the next two years. Likewise, it was possible to conduct sampling sessions with professionals from the Wildlife Conservation Society WCS-Colombia, which allowed for an initial link for future research in the short term in the study area.

6. How do you plan to share the results of your work with others?

A technical-scientific report will be delivered to the SFF Guanentá Alto Río Fonce, posters will be made alluding to the amphibian fauna and the ecosystem of Páramo and a scientific publication will be made that will be framed in the main results obtained in the project.

7. Timescale: Over what period was the grant used? How does this compare to the anticipated or actual length of the project?

The grant given by The Rufford Foundation was used between January and December 2018 in field trips, transportation, food, accommodation, among others.

The items awarded in the grant were spent according to the work plan that was agreed with the administration of the SFF Guantentá Alto Río Fonce, which resulted in obtaining relevant results for the project, however, as of this investigation they are opened new research questions that will take place in the coming months.

8. Budget: Provide a breakdown of budgeted versus actual expenditure and the reasons for any differences. All figures should be in £ sterling, indicating the local exchange rate used. It is important that you retain the management accounts and all paid invoices relating to the project for at least 2 years as these may be required for inspection at our discretion.

Item	Budgeted Amount	Actual Amount	Difference	Comments
Living stipends (work with communities) 15£ daily * 90 days* 3 persons. Items to cover expenses of food and equipment stay	1,485	1,485	0	The item awarded was used in its entirety for the expenses of food and equipment stay
Transportation (work with communities) 160£ each travel * 18 travels * 3 persons. Displacement of the research team towards the work paths	918	918	0	With this item the different mobilization routes were covered within and to the study area
Living stipends (amphibians samples) 15£ daily * 90 days* 3 persons. Items to cover expenses of food and equipment stay	1620	1620	0	The item awarded was used in its entirety for food and equipment stay expenses
Transportation (amphibians samples) 180£ each travel * 18 travels * 3 persons. Displacement of the work team to the study area, mobilization at the sampling sites	919	919	0	With this item the different mobilization routes were covered within and to the study area

9. Looking ahead, what do you feel are the important next steps?

1. Work in the short and medium term with primary and secondary schools in the area.
2. Continue with monitoring especially of the conservation values of the genus *Atelopus*, of which there are no records for decades.

3. Evaluate other faunistic groups that help to strengthen the baseline of knowledge of the protected area and contribute to the conservation of this.

10. Did you use The Rufford Foundation logo in any materials produced in relation to this project? Did the Foundation receive any publicity during the course of your work?

The logo was used in the posters, in the presentations and in the survey forms. At each step of the project's development, The Rufford Foundation was credited as the project's funding entity, in some cases of its work towards the conservation and knowledge of the biodiversity of selected countries at a global level.

11. Please provide a full list of all the members of your team and briefly what was their role in the project.

Azarys Paternina-Hernández, general coordination of project activities, participation in the biological and social field phase.

Olga Victoria Castaño Mora, contributed in the ecological characterization (uses of habitat, niche overlap) and taxonomy of amphibian species in the study area.

Gladys Cárdenas Arévalo, contributed in the characterization of the amount and quality of available habitat for each type of ecosystem in the protected area.

Diego F. Higuera-Rojas, participated in both social and biological field work and in the preparation of preliminary project progress reports.

12. Any other comments?

The funding from The Rufford Foundation had great benefits for the development of the project. First it was possible to comply with the proposed activities, second links were achieved with national and international entities that in some way will be the starting point for the continuity of the project in the area.