

The Rufford Foundation

Final Report

Congratulations on the completion of your project that was supported by The Rufford Foundation.

We ask all grant recipients to complete a Final Report Form that helps us to gauge the success of our grant giving. The Final Report must be sent in **word format** and not PDF format or any other format. We understand that projects often do not follow the predicted course but knowledge of your experiences is valuable to us and others who may be undertaking similar work. Please be as honest as you can in answering the questions – remember that negative experiences are just as valuable as positive ones if they help others to learn from them.

Please complete the form in English and be as clear and concise as you can. Please note that the information may be edited for clarity. We will ask for further information if required. If you have any other materials produced by the project, particularly a few relevant photographs, please send these to us separately.

Please submit your final report to jane@rufford.org.

Thank you for your help.

Josh Cole, Grants Director

Grant Recipient Details

Your name	Sofia Bardavid
Project title	Identification of priority areas in the Southern Yungas of Argentina for the conservation of threatened birds and mammals
RSG reference	27071-1
Reporting period	December 2018 - December 2019
Amount of grant	£ 5000
Your email address	bardavidsofia@gmail.com
Date of this report	2nd January 2020

1. Please 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
Acoustic monitoring				45 automatic recorders deployed along nine different allocations.
Camera traps collocation				35 cameras traps deployed along four different allocations.
Field work Activities				Fieldwork was implemented along the Yungas of Salta and Jujuy Argentina.
Educational Activities				One educational activity was implemented during 2019, with 100 children, at a rural school.
Workshops with local guides and communities				Workshops will be performed on April 2020.
Park Ranger Workshop				A 1-day workshop was carried on December 2020 at Calilegua National Park, with the participation of 15 park rangers.
Data Analysis				Data analysis will be completed by July 2020. 34 native mammals and 19 native birds have been identified.

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

Maybe the most unexpected difficulty was the yearly inflation rate of 55% that experienced the Argentinean economy, and because the original amount of the grant was converted to Argentinean currency, these made very difficult to maintain the original budget allowed to field campaigns.

Fieldwork for deployed automatic recorders in one site was interrupted in January and resumed in February 2019 due to the adverse climatic conditions occasioned by a river flood.

The overwhelming amount of bioacoustics and images data produced by the 45 automatic recorders and 35 camera traps was impossible to process manually for the analysis and generate the map of the priority areas, to the date we only could process the total of recordings of one location and 5000 images of a total of 15000 images.

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

Maybe the most outstanding result of the project was the record of the conservation species target, military macaw (*Ara militaris*), lowland tapir (*Tapirus terrestris*), white-lipped Peccary (*Tayassu peccari*) and jaguar (*Panthera onca*).

We reinforced the commitment of Calilegua NP authorities with the monitoring of conservation species target, also, we began to collaborate with a long-term monitoring programme with park rangers. We increased the native mammals and birds of Yungas awareness among Jujuy scholar students.

4. Briefly describe the involvement of local communities and how they have benefitted from the project (if relevant).

We noted a good reception of the general public to an audio-visual. The projection of images of mammals and bird species accompanied by their respective songs generated an unexpected reaction in the audience. We consider these audio-visual platforms as a very good way to engage people and change their perception of the importance of preserve the animal's diversity.

5. Are there any plans to continue this work?

In the months to come, we will finish the data process. This information will be used to create priority areas of conservation maps for the southern Yungas of Argentina. Deliver more educational brochures to the public schools.

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

The results gathered in this project will be presented in conservation and biodiversity congress. Also, will be included in two academic theses (in progress). We will continue the workshops in public schools and the park ranger's training in other national parks from Salta province.

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

The grant was implemented between the 1st January to 27th December 2019.

8. Budget: Please 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.

Item	Budgeted Amount	Actual Amount	Difference	Comments
Workshop	150	150		

Food (4 people)	800	750	-50	Food budgeted was lower than the real costs.
Education material	440	440		
Headlamps x 2	75	75		
Camera trap x6 (Bushnell Trophy Agressor)	600	750	+150	Camera trap budgeted was higher than the real costs.
Binoculars	75	75		
Field tools	600	600		
Tent (rainforest) x 2	610	610		
Sleeping bags x 2	150	150		
Vehicle rental and maintenance	500	500		
Fuel	1000	990	-100	Field campaigns budgeted was lower than the real costs.
TOTAL	5000	5000		

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

We will look for more funding in order to expand our conservation efforts with mammals and birds of Yungas. We need those funds to purchase more field equipment (automatic digital recorders and cameras trap), field surveys and generation of outreach materials (child books, etc.). The next most important step is to finish analysing the data and generate a map with the identification of priority areas in the southern Yungas of Argentina for the conservation of threatened birds and mammals.

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

Yes. We used The Rufford Foundation logo at the workshop in Calilegua National Park, also in the scholar exposition at Palmasola city.

We printed 450 educational brochures about Yungas forests and native animals. These brochures have the Rufford Foundation logo on them.

Foundation CEBio made monthly publications on the Instagram page about the exposition in the school with the children, field campaigns done and national park workshop.

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

Maila Scheffer, the principal collaborator, working on all the objectives, particularly in the field of bird surveys.

Mauro Ogara provided with field assistance and collaborating with conservation fieldwork.

Sara Cabrera provided with field assistance and collaborating with conservation fieldwork.

Daniela Gomez provided with field assistance and collaborating with conservation fieldwork.

Sofia Alcade provided with field assistance and collaborating with conservation fieldwork.

Martin Boullhesen provided with field assistance and collaborating with conservation fieldwork.

Luis Rivera, advisor of my project and collaborated with the Scholar exposition.

12. Any other comments?

We are very thankful to The Rufford Foundation for providing with a small grant to help with our conservation work with the identification of priority areas in the Southern yungas of Argentina.