

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	Atagana Patrick Jules
Project title	Bat Community Response To Forest Loss And Habitat Conversion In Southern Cameroon
RSG reference	25283-1
Reporting period	2018-2019
Amount of grant	£5000
Your email address	Apatrickjules@Yahoo.Fr
Date of this report	June 2019

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
Compare the bats species richness, composition and species abundance between agriculture clearing, secondary forest, primary forest and human settlement				In spite the fact that the sampling effort was not 100% in different habitats, we have collect more data for 1 year. We expect continuous sampling for a 2 nd year to investigate the others sites that we didn't investigate in this first years.
Compare the activity pattern of different species (spatial and temporal use of different habitats)				For the first year, we done a comparison only at the level of spatial use of different habitats. We expect to have more species present and abundances during the second year of sampling.
Describe the factors that influence bats choice of roosting and foraging habitats				We observed that availability of food and seasons influences bats choice of roosting and foraging habitats. However, the factors as season could be well appreciate with 2 years of sampling.

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

N/A

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

- Provide a comparative measure bats species richness, composition and abundance between different types of land use - agriculture clearing, secondary forest, primary forest and human settlement in the Deja Biosphere Reserve.
- Provide a comparative activity pattern of the most frequent species (spatial use of different habitats).
- Understanding of the impacts of deforestation on bats diversity and distribution in the study site.

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

An awareness campaign was carried at 12 villages near capture sites. It consisted of explaining to local populations the morphology, physiology and ecological importance of bats using a live specimen. At the end of the explanation, populations were allowed to ask questions in order to clarify any doubts.

5. Are there any plans to continue this work?

Yes there are plans to continue this work, this project is the first part of my PhD project. The fieldwork timescale is 2 years for these PhD project. This is necessary to cover more area in the Dja Biosphere Reserve and surrounding.

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

Regarding this project, I am in collaboration with the Ministry of Forestry and wildlife as well the Ministry of Scientific Research and innovation who both delivered me authorisations. These collaborations imply that I have to make reports which will be submitted in these ministries. Oral presentations are equally to be made in front the authorities of these ministries. The aim of these presentations is the implementation of measures for the conservation of these animals. The results of this project will equally be presented orally in front of scientific committees from scientific institutions of the country as well as at the international level if possible.

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

It was used over a period of 12 months like the initially proposed

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. 1£ = 745,544 XAF as used in the original budget.

Item	Budgeted Amount	Actual Amount	Difference	Comments
Accommodation and feeding for four persons	1344	1344		
Per diems for three Guides	1267	1267		
Transportation of four persons	344	344		
Garmin Handheld GPS	145	145		
Austbank harp trap-three bank 4.2 m square	1900	1900		
TOTAL	5000	5000		

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

I think the next step is to apply for another grant to do more sampling sessions to have enough data to predict potential range shifts for southern Cameroon bat distribution – past, present and future.

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, I presented part of my work at the scientific days and doctoral seminars of the faculty of sciences of the University of Maroua. As part of acknowledgements, I used the Rufford logo and vocally thanked Rufford for being a major funder of my project. I will also acknowledge Rufford at the futures conferences that I plan to attend.

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

Dr Bakwo Fils E., M: Supervision of the project

Aaron Manga: Identification of bat species

Ndzengue Elvis: Eco-guard, transportation of field equipment

Lonkeng Tido Christian: Eco-guard, transportation of field equipment

Abosso Gerard: Guide, and transportation of others logistics.