

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	Vagner Aparecido Cavarzere Junior
Project title	How censuses in a highly fragmented and undersampled region might corroborate mass extinctions of endemic bird species in half the state of São Paulo, Brazil
RSG reference	18269-1
Reporting period	September 2016
Amount of grant	£4180
Your email address	erezravic@gmail.com / vagnera@utfpr.edu.br
Date of this report	September 2016

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
Identification of sites			X	I initially selected 40 sites
Survey bird communities			X	I surveyed birds in 35 different sites
Accumulate enough records of Atlantic forest endemic bird species		X		So far, one species obtained enough records
Use statistical models to estimate parameters of interest (detection and occupancy probabilities)			X	For one species, I was able to estimate these parameters
Suggest different types of vegetation in inner São Paulo state		X		More surveys are need, as well as more species need to accumulate more records

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

I found some sites difficult to access, so I had to survey nearby sites which did not comply with some requirements previously selected. However, some of these sites held a few endemic species, aiding analyses of statistical models.

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

1. Considerable increase of the ornithological knowledge in several regions in the states of São Paulo and Paraná.
2. Preliminary, but novel, data on detection and occupancy probabilities of one Atlantic forest endemic species.
3. Preliminary results suggest the types of vegetation in inner São Paulo may not be represented by the Atlantic forest domain.

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

In some sites I presented talks about the project, highlighting its importance. Several guests were from the local communities and they now realise why surveying bird communities are important to indicate how well a given habitat is. They also understood why this project is necessary in order to properly investigate the types of vegetation in São Paulo state.

5. Are there any plans to continue this work?

Yes. More sites need to be visited, as well as more records of Atlantic forest endemic bird species need to be accumulated. There are still some sites which need to be selected, especially west of the Cerrado in São Paulo state.

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

Preliminary results will be presented on an International congress held in the state of Paraná, Brazil, in October 2016. In addition, I have already presented talks about this project and intend to submit manuscripts in peer-reviewed scientific journals.

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

September 2015 – September 2016. A few sites still need to be visited within a 7 months period from September 2016 – February 2017.

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
Accommodation	1500	1444.44	-55.56	
Food	1700	1733.33	+33.333	
Gasoline	800	892.67	+92.67	
Toll	180	110.00	-70	

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

Selecting other sites, especially west of the Cerrado in São Paulo state; acquiring more records of Atlantic forest endemic bird species; analysing and estimating detection and occupancy probabilities for several other Atlantic forest endemic bird species; publishing results in peer-reviewed journals and events, as well as presenting more talks to local communities and scientific society.

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

I used the Rufford Foundation logo on all talks I presented and will use it on my poster presentation in an upcoming international congress in Brazil (October 2016).