

The Rufford Small Grants Foundation

Final Report

Congratulations on the completion of your project that was supported by The Rufford Small Grants 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 | Jenilee Maarit Montes Fontalvo |
| Project title | Protocol For Monitoring Dragonflies Populations (Insecta: Odonata) In Colombian Protected Areas With The Purpose Of Aquatic Habitats Protection |
| RSG reference | 11793-1 |
| Reporting period | 12 |
| Amount of grant | 4905 |
| Your email address | jenileemontes@gmail.com |
| Date of this report | March, 31. 2014 |

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 |
|---|--------------|--------------------|----------------|---|
| Standardisation for Colombia protected areas of a sampling model technique that allows easy monitoring of the dragonflies populations and easy analysis of the aquatic habitats over time. | | X | | The first part of this standardisation was satisfactory for the sampled areas and was achieved positively the identification flagship species by area, which are species by its adaptation to special means or certain characteristics of the habitats are restricted to its population, therefore can be species with high potential for status indication habitats. |
| Establish a registration forms provided to officials of the areas for monitoring natural dragonflies communities and their habitats. | | | X | |
| Design of a series of informative guides representing the fauna of each reserve in order to promote the knowledge and study of the Odonata fauna of the region, these publications are aimed at the general public and especially the inhabitants of the areas surrounding the Reserves to create a sense of belonging to the ecosystems around them. | | | X | |
| Give to scientific community and general public a vision of the status and the future of this important resource in the country and the world. | | X | | This part of the work is completed with the publication of a scientific article that is in the process. |
| Education campaign | | | X | We have launched a campaign for the conservation of aquatic environments through small informal talks. |
| Additionally, Poster for Congress | | | X | This is an additional work that did not appear in the proposal. |

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

The difficulties encountered during the project were linked to the response time of applications by entities that give permits collection and studies in reserves, which were very delayed and in some cases there was no response to the request, another big problem presented were related to law and order problems in the country that changed the dates of collection. A few selected places previously had no access so we conducted sampling in areas with the same value and importance of biodiversity in the Odonata fauna of the country, but there are future plans for a visit.

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

Get an inventory of dragonfly species in nature reserves and achieve a selected relationship between habitat and natural history of some species, which were recognised as flagship species.

Testing the implementation of the sampling method as a triangle, which present satisfactory results, in addition to achieve the design of tracking table's populations of dragonflies, which proved to be easy to use for the general public.

Promote dragonflies' insects as a group of easy monitoring, easy identification and closely related to aquatic habitats through promotional material design that also functions as a tool to promote the aquatic habitats conservation, which contains the species identified, this item is complementary to the tracking tables because they help to identify easily the flagship species of each area.

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

In the field work we have incorporated local people as guides and field assistants, teaching the importance of the group and incentivised to teach the knowledge acquired to other people in the area, these people were given a certificate of participation in the project, we also conducted informal talks with people living in the zones of reserves influence. In the future we want to propose talks with local children as we observe special interest in the work from this part of the population.

5. Are there any plans to continue this work?

Definitely this work should continue for at least 2 more years because the protocol in general should be considered more samples, and more detail in the association of habitat with flagship species, in addition to standardisation is necessary to consider the most habitat featuring on Colombia because the country is one of the most diverse in the type of aquatic habitats that is associated with the life cycle of dragonflies (Odonata).

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

The results of the protocol will be published in scientific journal and talks for the general public will be made, especially with people living near the reserves and local environmental agencies for a future partnership approach and to solve environmental problems that may present in aquatic environments.

As a result of this study design is created promotional material, this material will be part of the collection of dragonflies Colombia, and in it the flagship species of each book is entered.

Preliminary results of this work were presented at the Congress of the Venezuelan Society of entomology at modality poster and where first place in professional category was obtained, the final result will also be exposed to other congress in the area of conservation and entomology.

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

The grant was used for the sampling phase throughout 2013 and the first two months of 2014 making sampling in locations, some of which were visited once and other more than twice all relating to the availability of visit permits, accessibility, security and diversity of dragonflies found it. He was able to make work at one year under the proposed project time.

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 |
|-------------------------------|-----------------|---------------|------------|--|
| MATERIALS AND SUPPLIES | 264 | 478 | -214 | The materials had a higher cost than budgeted |
| FIELD TRIPS | 4641 | 4377 | 264 | Trips are conducted and organised by the budget remained in the grant. |
| Total | 4905 | | | |

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

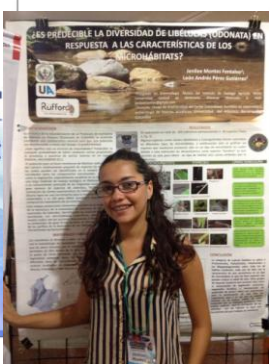
The most important is to get funding for the publication and dissemination of material designed and formally present them to the community parks.

Conducting surveys in other habitat types Colombia to achieve access to the different conditions that dragonflies live in the country.

Publication of scientific article about the correlations of species of dragonflies with certain habitats or habitat parameters of a more statistical and scientific study of the subject.

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

Yes, the RSGF logo has been used properly in all material associated with the project such as the disclosure material that is in design, poster Congress and certification were given to people who helped us in the field.



We greatly appreciate everyone who helped us in this part of the project (Chocó, Quindio, Caqueta, Risaralda, Putumayo), we hope will be a great contribution to the conservation of our aquatic habitats in **Colombia** and dragonflies that inhabit them.

