

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	Hoang Van Sam
Project title	Assessment and conservation of plant biodiversity in Pa Phanh Mountain, Thanh Hoa province, Vietnam
RSG reference	11306-B
Reporting period	September 2012 to December 2013
Amount of grant	10000
Your email address	hsamfuv@yahoo.com
Date of this report	23rd December 2013

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
The list of all vascular plant species in Pa Phan Mountain			x	441 vascular plant species belong to 250 genera and 99 families were recorded in Pa Phan Mountain
Map of forest in Pa Phan mountain			x	
List of threatened plant species in Pa Phan Mountain			x	56 threatened plant species were recorded in Pa Phan Mountain. Of them 37 species listed in Red Data Book of Vietnam, 30 species listed in IUCN Red List 2012.
Map of distribution of threatened plant species in Pa Phan mountain			x	
Data base of ecology, distribution, habitat, population and regeneration of 5 threatened gymnosperm species in Pa Phan Mountain (<i>Pinus kwangtungensis</i> , <i>Cephabtaxus manii</i> , <i>Podocarpus neriifolius</i> , <i>Taxus chinensis</i> and <i>Amentotaxus argotaenia</i>)			x	This research has been published in Science and Technology Journal of Agricultural and Rural Development of Vietnam.
300 specimens and about 1000 pictures of vascular plant species in Pa Phan mountain			x	Number of specimens more than in proposal
Increase awareness of local authority, forest rangers, local people and students on biodiversity conservation			x	
Training for students and young lecturers at the Vietnam Forestry University			x	This outcome is not included in the original in the project. But students and young lecturers were involved and trained by project

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

Pha Phan Mountain is high, really dangerous to walk and difficult to access, we have known that before, but it was really difficult to carry out field.

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

- The list of all vascular plant species in Pa Phan Mountain. There are 441 vascular plant species belong to 250 genera and 99 families were recorded in Pa Phan Mountain.
- Map of forest type in Pa Phan Mountain.
- List of threatened plant species in Pa Phan Mountain. There are 56 threatened plant species were recorded in Pa Phan Mountain. Of them 37 species listed in Red Data Book of Vietnam, 30 species listed in IUCN Red List 2012.
- Map of distribution of threatened plant species in Pa Phan Mountain.
- Provided information of ecology, habitat, population and distribution map of 5 threatened gymnosperm species in Pa Phan Mountain (*Pinus kwangtungensis*, *Cephaetax manii*, *Podocarpus neriifolius*, *Taxus chinensis* and *Amentotaxus argotaenia* in Pha Phan mountain).
- 400 specimens and about more than 1000 pictures of vascular plant species in Pa Phan mountain.
- Trained students and young lecturers of the Vietnam Forestry University on conservation of gymnosperm species.

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

- Local people in Quan Hoa district, Thanh Hoa province were involved in the project. They went with us to the field, shown us where gymnosperm species occur and shared knowledge of those species on habitat, regeneration and conservation.
- Their awareness on biodiversity conservation is increase when they work with us. We told them the significant important of protect and develop those species.

5. Are there any plans to continue this work?

- I would like very much to continue this project to study ecology, habitat, population and distribution map of all endangered species in Pha Phan Mountain.
- I will publish a book of gymnosperm species in Pha Phan Mountain.

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

- I have shared this study to my colleagues and students at the Vietnam Forestry University and other institutes in Vietnam.
- The result of project was published in a famous journal in Vietnam. I acknowledgement RSG in the paper for final support.
- I had shared my knowledge from this project to participants in several workshops in Vietnam
- I have trained 2 BSc and 1 MSc students on plant conservation in Pha Phan Mountain

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

The timescale in the proposal of the project fix with actual length of the project.

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
Literature, phone, internet and medicine	200	200	0	
Camp for four researchers and three assistants (we have to camp in the forest, because the forest far from village of local people)	600	600		
Projector	500	600	+ 100	
Digital camera	300	350	+ 50	
Basic needs supply for field inventory of 4 researches (including food)	4000	4000	0	
Food and supplies field inventory and interview for two assistants	2200	2200	0	
Transportation from Vietnam Forestry University to Quan Son district, Thanh Hoa province	500	500	0	
Local transportation	400	450	+50	
Identifying and making specimens	300	300	0	
Making specimens	300	300	0	
Purchase boxes to keep specimens	400	400	0	
Processing data and Writing report	300	300	0	
Total	10000	10200	200	

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

More activities need to be carried out on conservation of threatened species in Pha Phan Mountain. During fieldwork we found many more interesting and endangered species, especially gymnosperm, orchid and medicinal plants.

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?

I had presented this study to my colleagues at the Vietnam Forestry University with logo of RSG in my presentation. My colleagues and students at the Vietnam Forestry University all know that this project was supported by RSG. Local people in Quan Hoa district, Thanh Hoa province also known this project were funded by RSG. In the paper that publish in Agriculture and Rural development of Vietnam, I acknowledgement RSG for final support this study.

11. Any other comments?

RSG funded this project is really useful, because this is the first study carry out in Pa Phanh Mountain, a wonderful area for biodiversity conservation not only in Vietnam but also in the world.