

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	PHAM VAN THE
Project title	Conservation assessment and management of globally threatened plant species in Huu Lien Nature Reserve, Vietnam
RSG reference	29.03.09
Reporting period	Final report
Amount of grant	£5800
Your email address	phamvthe@gmail.com
Date of this report	30.12.2010

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
To assess the floral diversity of Huu Lien NR; evaluate the conservation status of rare and threatened species			✓	Please see technical report
To evaluate the value of plan resources, including gene sources of rare and threatened species			✓	Same above
To evaluate the extent of logging in the reserve			✓	Same above
To build a distribution map of rare and threatened species and recommend appropriate conservation methods			✓	Same above
To improve local people's knowledge on botanical conservation through participatory conservation activities and consultative workshops			✓	Same above
To build a community-based model for conservation: Practice conservation of <i>Cupressus torulosa</i> D. Don (<i>C. tonkinensis</i> Silba)			✓	Same above

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

The study has not met any unforeseen difficulties that arose during the project.

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

- To build a distribution map of rare and threatened species and recommend appropriate conservation methods in Huu Lien Natural Reserve.
- To improve local people's knowledge on botanical conservation through participatory conservation activities and consultative workshops.
- To build a community-based model for conservation: Practiced conservation of *Cupressus torulosa* D. Don (*C. tonkinensis* Silba)

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

This project has helped encourage biodiversity conservation activities among minority communities who live in areas surrounding Huu Lien Natural Reserve. The study has also helped in increasing

conservation awareness on threatened species and in conservation management at Huu Lien Natural Reserve.

The study involved local people, students and volunteers as active participants in the *Cupressus tonkinensis* Conservation program at Huu Lien Natural Reserve. The involvement of the Tay and Nung minority communities and students in the study area should ensure the long-term conservation impacts of the project. Local people are also involved in fieldwork surveys. The workshop conducted to disseminate the information gathered during the field surveys. Information gathered and recommendations made by the project team such as *Cupressus tonkinensis* regeneration, ratio germination of seeds or cutting, and propagation process benefited follow-up research and conservation projects at Huu Lien Natural Reserve.

5. Are there any plans to continue this work?

The long-term aim is to build and develop a conservation strategy for the many rare and endangered species in Huu Lien Nature Reserve and hence rescue them from extinction. There is an urgent need to perfect an applicable model of community-based conservation for endangered plants in Vietnam. Continuing propagation by seedling and cutting of that species (*Cupressus tonkinensis*) and continuing develop community-based model for conservation; in-situ and ex-situ conservation of that species

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

On the result of this I published three articles, presentation and poster. I will publish an article in Proceedings of the 4th national scientific conference on ecology and biological resources on September 2011.

- **Pham Van The**, Phan Ke Loc, Tran Huy Thai, Nguyen Tien Hiep (2010). Some additional data on the distribution, ecology and conservation status of *Cupressus tonkinensis* Silba in Vietnam. In 2nd Symposium of the "Flore du Cambodge, du Laos et du Vietnam", Ha Noi 6-8 December 2010, Vietnam. Abstract, pp. 45 and PowerPoint presentation.
- **Phan Ke Loc**, Wu S.K., **Pham Van The**, Nguyen Sinh Khang, Xiang J.Y. & Zhang X.C. (2010). *Abrodictyum pluma* (Hook.) Ebihara & K. Iwats. (Hymenophyllaceae) and *Adiantum juxtapositum* Ching (Adiantaceae), two new occurrences for the fern flora of Vietnam. Journal of Fairylake Botanical Garden, the 5th on Symposium of Asian Pteridology and Fern Show, 15-21/11/2010. Vol. 9 No.3-4 NOV 2010. Poster (A species was collected in Huu Lien NR under supporter of Rufford Small Grant, ID. 29.03.09)
- **Pham Van The**, Tran Huy Thai, Nguyen Tien Hiep. Some additional data on the ecology and conservation status of *Cupressus tonkinensis* Silba. In Huu Lien Natural Reserve, Huu Lung district, Lang Son Province. Proceedings of the 3rd national scientific conference on ecology and biological resources. Agriculture publishing house. 10-2009. pp: 1660-1667.

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

Almost the project objects were well done in timescale except the object of propagation of *Cupressus tonkinensis*. This species takes long time to root and the project needs second year for long-term study.

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
Domestic travel costs (three times)	1000	1000	0	
Accommodation	450	450	0	
Food	450	450	0	
Payment to local team for helping to implement project's activities at study sites such as field surveys, consultative workshop, look after seedling etc.	800	800	0	
Local stakeholder consultative workshop (with participation of collectors, users, traders, herbalists, and local, provincial authorities and forest ranger)	1000	1000	0	
Material for propagation	500	500	0	
Identification, make the distribution map, etc,	800	800	0	
Miscellaneous (communication, newspapers, alcohol, shoes, chemical, substance print, photocopy, etc.)	400	400	0	
Data analyses and final report writing	400	400	0	

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

Improving the management and protection in Huu Lien NR, especial for globally threatened species such as *Cupressus tonkinensis*; *Burretiodendron hsienmu* and *Chukrasia tabularis*. Continue publishing articles to provide additional information for government and managers. Continuing improving local people's knowledge on botanical conservation. Continuing propagation by seedling and cutting of that species (*Cupressus tonkinensis*). Continuing develop community-based model for conservation; in-situ and ex-situ conservation

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?

No.