

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	Ariel Isaías Ayma Romay
Project title	Restoration and management of Queñua (<i>Polylepis racemosa</i>) and Pino de Monte (<i>Podocarpus glomeratus</i>) woodlands in the Yungas of Independencia, Bolivia
RSG reference	10169-2
Reporting period	From September 2011 to August of 2012
Amount of grant	£5991
Your email address	ariel.isaias.aymar@gmail.com
Date of this report	29 th September 2012

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
Four workshops to analyse and plan practices of woodland protection, management and restoration will be organised for each community			X	We had workshops and meetings with the communities of Pajchanti and Salviani (seven with each one). They analysed, planned and created new local rules to protect and manage their forest.
An incentives mechanism will link actions of organic agriculture and woodlands conservation		X		I did modification on mechanism of incentives to make it better. Then, little by little the farmers received agricultural seeds, balls and sportswear to play soccer. So they had more motivation to do workshops and meetings to analyse subjects of forest conservation. Leaders of the communities helped us. However, we still haven't made practices of reforestation and other activities of management of forest, because they first preferred to make new rules before these practices. These activities will be done in November and December in rainy season.
Supported by indigenous knowledge, GIS (Geographic Information Systems) will be integrated to make one map of the woodlands (scale 1:5000)			X	We did one handmade map of the forest together with indigenous knowledge. This map and some control points with GPS receiver were used to elaborate a map of native forest of each community. This map helped to plan new rules of use of forest together with the farmers. The map has a scale of 1:25000 because I don't have images with more height resolution.
Teach about forest management, protection and restoration on five radio programmes			X	I made agreements with the "Domingo Savio" radio station to produce and spread radio programmes. So, we have until now eight programmes for children, teenagers and adults, more than expected. Topics about burning, over-grazing of livestock, illegal logging of wood and firewood, hunting of wildlife and forest rules previously

				created by the municipal government were diffused.
An environmental education guide (EEG) on woodlands and threatened wildlife		x		I made agreements with the local education office to facilitate the production of this guide. So, they called to a municipal competition for teachers to send us their experiences in class to teach about the situation of the woodlands and other threatened species. Now, they are sending their manuscripts. The best manuscripts will be published in the guide. At least, 15 teachers just sent their proposals.
Two workshops on "Management and restoration of <i>Polylepis</i> and <i>Podocarpus</i> woodlands"		x		I made three workshops with professionals of municipal government together with other organisations. I will organise one more in November. Also, I did three workshops for university students within the class of professors of "San Simon" University.
Evaluation of native tree plantations of the first RSG project		x		We are publishing a paper in the scientific journal "Chapingo" about the use of fertilisers and biostimulants to improve the growing of seedling of <i>Podocarpus</i> on nursery. In February of this year we evaluated some seedling of <i>Podocarpus</i> planted on land; this data is being analysed by one of the volunteers.

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

In 2010, new authorities took charge of the municipal government and they didn't know about our previous work. I tried to do workshops with them twice, but they were demotivated to participate. The production of the guide together with the teachers was difficult. Some teachers weren't ready to help. For that, we organised one competition for teachers. The initiative is helping motivate them and start the teaching on themes of forest conservation and other species within the class. Further I will receive manuscripts with ideas from the teachers to make the guide.

The community of Pajchanti was not very motivated to programme workshops. So, I gave them incentives to work together. I am planning to use incentives again to work in activities of management and reforestation in rain season. The first idea of incentive mechanism in the project didn't work, so I took other strategy according the context.

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

The communities created protected areas and forest management areas with new rules of use. Now, approximately 526 acres of forest are being protected by themselves in protected areas and 1230 acres are being managed by themselves to harvest wood and firewood only for traditional use.

Activities of control and heavy sanctions will be implemented. The community authorities have included responsibilities to sanction and control. They elected a person to denounce, control and monitor the forest. Also, they decided that nobody from another community can cut trees or hunt wildlife within the communities.

Now, *Polylepis racemosa* is a protected species in both communities and it will not be cut. This species neither will be cut nor will be burned by the communities. So, approximately 741 acres will be protected. Moreover, *Podocarpus glomeratus* will not be cut for selling purposes as before. New rules determine that this tree will be cut only for domestic use and will be harvested according to new rules (young and mature trees are being protected, only very old trees and naturally fallen trees will be harvested). So, approximately 882 acres are under managed.

Environmental education for the people of Independencia was other important result. At least 60% of the inhabitants now know some benefits of the *Polylepis* and *Podocarpus* forest (for example, protection of soils, the capture of water of rain in basins, production of wood and firewood). Also, we disseminated the effects of overgrazing of livestock, deforestation, illegal logging of native trees, contamination of soils in agricultural practices and hunting of wildlife. Finally, we are disseminating local rules of the communities (Salviani and Pajchanti) and of the municipal government to protect the forest. These radio programmes are helping the population to follow the rules. After 7 months of dissemination of radio programmes, more of 18 claims of burned forest and the illegal logging of native forest in the municipality were carried out and 80% of these were sanctioned by communities and sometimes with help of municipal government at the request of the farmers. Recently, local people think that this year there were fewer burned forest and illegal harvest of wood.

Some teachers are including more classes of environmental education for children and teenagers, because they have the incentive of the competition and the publication of their manuscripts in the local guide of environmental education.

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

Until now, principal results were done by communities themselves and the work with local radio was carried for all the people of "Independencia". Thus we have shared the results.

5. Are there any plans to continue this work?

I am thinking still continue this work until December. I will help communities to make activities of conservation and manage of forest, such as reforestation and sowing seeds of native plants. Then, I will communicate the results through articles, radio station and more workshops.

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

Currently, we are disseminating the new rules of Pajchanti and Salviani to manage and protect the forest trough 300 booklets distributed to other communities and decision makers involved in the management of the forest. Also, I am helping to communicate these rules through the radio station for 2 more months. Thus municipal authorities and the farmers of other communities will understand the work carried out. Next month, I will give talks to students of "San Simon" university and a conference in the fifth "forest congress" of Bolivia.

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

I used the funding of RSG from October 2011 until now. I think the project has 80% of the activities finished. The activities still aren't completed will be finished until December as I planned it in the project previously.

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 £ sterling =11.1935 Bolivians)

Item	Budgeted Amount	Actual Amount	Difference	Comments
50 bus tickets (Cochabamba - Independencia)	135	57,1	77,9	I still haven't finished the travels to Independencia. I will need to travel 3 more months.
Food and lodging in Independencia (300 days). I will eat in local restaurants and I will stay in a small hotel in the principal village (Villa Independencia)	1263	926,9	336,1	I still haven't finished the travels to Independencia. I will need to travel 3 more months to principal village and I will need this funds.
Food and lodging for volunteers in Independencia (100 Days). They will help with workshops and fieldwork.	422	148,2	273,8	I worked with three volunteers. They helped me in workshops. I will need more volunteers to work in reforestation in December.
Recording of 5 radio environmental education programmes.	134	285,7	-151,7	I recorded 8 radio programmes. I saw important to invest more funds on it.
Diffusion on radio (Each day the radio station will transmit the programmes)	67	553,4	-486,4	I did a strong diffusion of radio programmes for 8 months. For this reason, I did more investment of funds on this.
Print environmental education guide (100 copies of the guide will be printed in print shop)	269	0,0	269,0	I will print the guide when the teachers send their manuscript
Organisation of workshops for professionals in Independencia	134	428,5	-294,5	I did more workshops. I gave some snack and materials to annotate.
Organisation workshops for university students and professors	134	276,7	-142,7	I did more workshops.
Prize for teachers with the best manuscripts for environmental guide	36	0,0	36,0	I will give prizes to the best five manuscripts of the teachers.

Item	Budgeted Amount	Actual Amount	Difference	Comments
Rental of Data Projector (I will show images and information in the workshops)	134	249,9	-115,9	I have preferred to increase more funds on this and to buy a micro data projector. This equipment was an excellent acquisition for workshops in the communities.
Writing materials for workshops (I will buy pencils, exercise, books, cards, Bristol board, coloured pencils and paper)	90	13,8	76,2	I didn't need to buy so many materials. For that, I saved money in this.
Camping equipment (one tent, two pairs of boots, and three raincoats for the fieldwork in the communities)	269	288,3	-19,3	Additionally, I bought one digital recorder to record interviews and workshops with the farmers
Incentive programme for conservation and organic agricultural actions. According to plan done with communities	1209	637,4	571,6	I used this fund to give in each workshop lunch, snacks and refreshments. Also, I bought potato seeds and sportswear to play soccer like incentives. I still need this budget to work with them in reforestation and other activities of conservation
Print of woodlands map (For to printing of a map (80 x 100 cm, three copies, full color)	40	294,6	-254,6	I printed two maps and I added 300 booklets with the rules to manage and protect the forest made by users themselves.
Fuel for the operation of the motorcycle.	125	44,6	80,4	I didn't need to buy so much fuel. I still have enough fuel.
Use of motorcycle (60 days). I will rent one motorcycle to travel from the main village (Villa de Independencia) to the communities.	967	156,2	810,8	I still need to use a motorcycle. I have not spent so much money because usually I was walking to the communities
Labour	150	0,0	150,0	I still didn't spend this fund, because we have not carried out cultural practices in forest.
Transportation of plants (4 Contracts). I will rent one truck to transport plants (from the greenhouse to communities)	160	0,0	160,0	This fund will be spent in December, because we will carry plants from the nursery to communities.

Item	Budgeted Amount	Actual Amount	Difference	Comments
Native samplings of greenhouse. The government will produce 10.000 native plants.	33	214,2	-181,2	I didn't get to an agreement with municipality for that they produce plants. For this reasons, I have bought some accessories to produce native plants in the nursery of FUPAGEMA (other local organization).
Products and services for project administration (Ink for printing, Cellular minutes, Paper, CD's)	220	214,2	5,8	
Total	5991	4789,9		

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

I would like to continue the activities that were carried out and implement future plans as well. I would like to participate in subsequent funds with RSGF and continue looking for more financing to do more projects.

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, we always used the logo and name of RSGF in the reports, documents, printed materials and with the workshop and meeting presentations.

11. Any other comments?

I feel that the resources donated by RSGF were very well invested and put to use. Until now, I think better results than anticipated were achieved. While some activities were not carried through, they were compensated by other equally important projects.