CRITICAL ECOSYSTEM

CEPF Final Project Completion Report

Dahari Identifying and Monitoring Terrestrial Conservation
Priorities in the Comoro Islands, and Building Results into Policy and Practice
65752
Madagascar and Indian Ocean Islands
2 Enable civil society to mainstream biodiversity and
conservation into political and economic decision- making.
\$259,258.90
July 01, 2015 - August 31, 2019
October 31, 2019

Implementation Partners

List each partner and explain how they were involved in the project

University of the Comoros - Co-led research on GPS tracking of the Livingstone's fruit bat, provided six interns for fieldwork, co-organised field day for 54 students Oxford University - Prof Owen Lewis provided input into devising fieldwork methodologies, analysis, and write-up, including one field visit Ecosystem Restoration Alliance (ERA) - Collaboration on research on GPS tracking of Livingstone's fruit bat Initiative Développement - Provided data for wood-use study and performed dedicated studies on household wood consumption

Bristol Zoological Society - Hosted student for write-up of lemur research

Conservation Impacts

Summarize the overall impact of your project, describing how your project has contributed to the implementation of the CEPF ecosystem profile

The project resulted in the first comprehensive assessment of the status of key terrestrial endemic vertebrate species and their habitats across the island of Anjouan, Comoros. Detailed scientific surveys allowed for accurate insights into population sizes and distribution areas of endemic birds and reptiles as well as the flagship mammal species: the Critically Endangered *Eulemur mongoz*

and the Critically Endangered Livingstone's flying fox, *Pteropus livingstonii*. Studies into the regeneration of natural forest indicated that seedling survival rates differ between habitats with different levels of agricultural use and a detailed study into wood-use demonstrated the importance of timber extraction to natural forest loss, confirming that ylang ylang distillation and firewood comes largely from agroforests. In combination, these components allowed for the identification of priority zones and species for conservation on Anjouan, the development and implementation of a participatory biodiversity monitoring system, and led to the production of a set of conservation recommendations for integration into policy and practice. The project also contained a strong component of capacity-building for the NGO Dahari, which benefited from dedicated training from various experts to its board of trustees, senior management team, and ecology team. The project also supported the participation of senior team members in exchange trips and to present results at conferences in Madagascar, Kenya and Thailand. Long-term relationships were established with a number of well-respected organisations (see above) - in particular the University of Comoros, which has become a key partner for Dahari in-country.

Planned Long-term Impacts - 3+ years (as stated in the approved proposal)

Impact Description	Impact Summary
Status of key terrestrial endemic species in the Comoro Islands improved through the development and implementation of conservation strategies based on rigorous scientific research and monitoring, integrated into national policy and practice.	The impact is under way.

Planned Short-term Impacts - 1 to 3 years (as stated in the approved proposal)

Impact Description	Impact Summary
Identify priority conservation actions and	The impact has been achieved.
develop a long-term participatory	
monitoring system for key terrestrial	
endemic species and their habitat on	
Anjouan.	

Describe the success or challenges of the project toward achieving its short-term and long-term impact objectives

The short-term impact goal has been successfully achieved (Identify priority conservation actions and develop a long-term participatory monitoring system for key terrestrial endemic species and their habitat on Anjouan). The work towards this goal included extensive field surveys which were subject to weather conditions, and impacted by the logistical difficulties and political upheaval of Anjouan. Devising surveys and assessing the data also posed a challenge as support from the three different expatriate ecology technical assistants varied during the project, and the post remained vacant for one year of the project duration. In the end, only the agriculture sustainability assessment (due to political disruption cancelling advisor trips) and habitat mapping (due to political disruption ending the mission of the first expert, and metereological conditions delaying acquisition of images for the second) components remained uncompleted.

The long-term impact is to improve the status of key terrestrial endemic species through the development and implementation of conservation strategies which are integrated into national policy and practice. This is being addressed under Dahari's other project 66087, and by new actions coming out of the conservation recommendations produced on the back of this research. Dahari is starting to work with other institutions in the Comoros such as the Mohéli National Park towards wider implementation. The main challenges will be those inherent to implementing conservation actions in a context such as the Comoros, as well as the collaboration potential with other organisations.

Were there any unexpected impacts (positive or negative)?

No unexpected impacts were encountered.

Project Components and Products/Deliverables

Component		Deliverable		
#	Description	#	Description	Results for Deliverable
1	Conservation	1.1	Bi-annual data	The deliverable was achieved on Anjouan. Population
	priorities		on the	counts were conducted twice yearly at all 15 known roost
	identified for		population of	sites. We estimate an average population of around 680
	two flagship		Pteropus	bats on Anjouan, but the numbers fluctuate between the
	terrestrial		livingstonii on	seasons, with lower counts (average 608 bats) during the
	species:		Anjouan and	dry season, and higher population numbers (average 746
	Pteropus		changes to	bats) during the wet season. A report on population
	livingstonii		habitat and	numbers between 2015 and 2019 is submitted in the
	(Endangered on		land-use	'Attachments' section. Land-use was assessed around all
	the IUCN's Red		around each	15 roost sites: only three are located in undisturbed
	List) and		roost site.	natural forest, the remaining roosts are all located in land
	Eulemur mongoz		Assessment of	used for agriculture with varying degrees of human
	(Critically		threats to	activities. Threats to roosts were identified to be: felling
	Endangered)		each roost	of large trees around roost sites which directly disturb the
			site.	bats, diminish the protection of the roost and lead to
			Potentially	landslides. The results of this study contributed to the
			extended to	delimitation of zones important for biodiversity
			Mohéli from	conservation as Pteropus livingstonii is considered a
			Year 2	keystone species and classified as Critically Endangered
				by the IUCN.
1	Conservation	1.2	A scientific	Eulemur mongoz was found to be widespread on the
	priorities		paper	island of Anjouan, extensively using introduced plant
	identified for		published with	species for feeding. They were found to be associated
	two flagship		a population	with clove-tree plantations, presumably because of other
	terrestrial		estimate and	non-native fruit trees (bananas, mangoes, papaya) which
	species:		distribution	are planted together with clove trees by farmers. The
	Pteropus		map of	population of this Critically Endangered primate was
	livingstonii		Eulemur	estimated to be around 9919 individuals. The study
	(Endangered on		mongoz	resulted in a published MSc thesis (Bristol University, UK)
	the IUCN's Red			which is included in the 'Attachments' section. The
	List) and			production of the scientific publication is under way.
	Eulemur mongoz			
	(Critically			
	Endangered)			
2	Conservation	2.1	Species under	Besides the Critically Endangered species Eulemur
	priorities and		particular	mongoz and Pteropus livingstonii, at least five birds
	indicator species		threat and/or	species, or sub-species, were identified to classify as
	for the taxa		of indicator	'Vulnerable' or 'Endangered' given their low population
	birds, butterflies		status for	numbers (below 10,000 individuals) and limited

Describe the results from each product/deliverable:

	and reptiles		natural forest	distribution range. These results informed directly the
	identified based		identified in a	delimitation of zones important for biodiversity
	on analysis of		published	conservation across Anjouan. Among those identified
	existing		scientific	were the Comoros thrush (Turdus bewsheri bewsheri).
	database,		paper	Two species of bird (the vasa parrot and the paradise
	literature			flycatcher), when occurring together, were identified as
	review, and			ideal indicators for undisturbed forest habitat. Future
	further field			surveys may utilise the presence/absence of these species
	studies			as indicators for the quality of a surveyed forest. The
				production of a scientific publication is under way and the
				manuscript is in its final draft stages.
3	Forest cover in	3.1	Fine-scale map	This deliverable was not produced in time. Firstly, the
	the Moya forest		of forest	anticipated project with CIRAD including mapping did not
	KBA mapped,		habitat in the	materialise as originally expected and is still under
	vegetation		Moya forest	construction. For the second effort, the consultant
	sampling		KBA published	recruited under a partnership with ICRAF had to be
	performed, and		electronically	evacuated from Anjouan in October 2018 due to a
	the causes of		and	political insurgency and was subsequently unable to
	habitat		distributed to	complete the contract for health reasons. A new
	destruction and		key	consultant was then recruited with ICRAF from
	degradation		conservation	Wageningen University, however the satellite company
	precisely		actors in the	contracted have been unable to produce cloud-free
	identified		Comoros	images over the course of the last four months due to the
	through social			complicated terrain in Anjouan. This work is therefore
	studies			expected to be completed in the next few months as soon
				as the satellite images are acquired.
3	Forest cover in	3.2	Scientific	A report of this important study is attached which for the
	the Moya forest		paper	first time clearly demonstrates that whilst large quantities
	KBA mapped,		published with	of wood are being extracted from the Moya forest region
	vegetation		an analysis of	for ylang ylang distilleries and household use, the vast
	sampling		wood-use in	majority is sourced from agroforests (potentially 95% in
	performed, and		the Moya	the case of ylang ylang distilleries). This shows that the
	the causes of		forest KBA:	discourses linking distillation and household cooking to
	habitat		tree-type and	natural forest loss are erroneous, even if encouraging the
	destruction and		quantities	planting of new trees in fields is important to balance
	degradation		being	supply and extraction. However, the amount of wood
	precisely		extracted for	being extracted for construction - particularly for
	identified		construction	furniture production in the towns - is alarming, and any
	through social		wood,	serious effort to maintain remaining oldgrowth trees
	studies		charcoal,	needs to tackle this issue urgently. Dahari will be
			ylang-ylang	developing its new strategy accordingly. The report will
			distillation and	be published in the Comoros before the end of the year,
			fuelwood	and a more formal publication is under reflection.
3	Forest cover in	3.3	Data on	The results of the study on forest regeneration suggest
	the Moya forest		habitat	that while regeneration occurs across all different habitat

	KBA mapped,		structure and	types, there are differences in regenerating tree numbers,
	vegetation		assessment of	species composition and survival rates between habitats:
	sampling		the long-term	natural and degraded forests as well as closed
	performed, and		effects of	agroforestry had the highest numbers of seedlings and
	the causes of		different	saplings across all habitats. However, the survival rates
	habitat		forest uses on	differed between introduced and indigenous species with
	destruction and		forest	more introduced species reaching sapling stage. Elevation
	degradation		regeneration	was found to play a role as more seedlings and sapling
	precisely		published	were found in lower altitudes. A summary report on the
	identified		electronically	results of this study is unloaded in the 'Attachments'
	through social			section of this report and will be published online
	studies			together with the results of other activities on the Dahari
	studies			website (www.daharicomores.org) before the end of the
				vear.
4	A long-term	4 1	Participatory	A participatory monitoring scheme was implemented in
	narticinatory		monitoring	two villages (Adda and Outsa) located in the Mova forest
	monitoring		scheme	region After an initial testing and training period in Adda
	system of key		involving key	zones based on research results on conservation
	biodiversity		species	priorities were selected for surveys in a participatory
	threat and		threats and	activity. Similarly, indicator species (three birds one
	habitat		habitat	mammal one butterfly) were selected together with the
	indicators		indicators	village inhabitants during group meetings. Further
	developed for		devised and	indicators were chosen to monitor babitat quality. Areas
	Aniouan		tested with	around the two villages are monitored once per month by
	Anjouan			local village inhabitants together with technicians from
			communities	Debari. Data applysic and results are discussed in village
			in the Move	group montings bi appually. A summary report of the
			forest KPA	activities and lossens learned is included in this final
			nubliched	report (see attachments) and will be published on the
			published	Peperi use attachments) and will be published on the
			electronically	banari website (www.danaricomores.org) together with
			and	other significant results from this project before the end
			distributed to	of this year.
			кеу	
			conservation	
			actors in the	
	The energiate of	F 1	Comoros	During the project period three curcturists coolected
5	The capacity of	5.1	Electronic	During the project period, three expatriate ecological
	Danari's local		reports of	managers (Steeves Buckland, Pascal Fust, Isabella Mandi)
	ecology team in		training	supported the ecology research team of Dahari (4
	researcn,		delivered by	members). Trainings were delivered by all three
	analysis and		expatriate	expatriates and included: 1) biodiversity survey
	write-up		ecological	methodology, 2) statistical analysis and distribution
	improved so that		manager in	modelling using R and GIS, 3) project planning, 4) time
	they can be		development	planning and prioritising, 5) GPS tracking technology and
	more		of field	6) scientific writing and publishing in peer-reviewed
	independent in		methodologies	journals. Reports on these trainings were submitted

	continuing and		. data analysis.	periodically with progress reports to CEPF.
	extending the		fieldwork,	
	work post-		reporting	
	project, and			
	extended to			
	project partners			
5	The capacity of	5.2	Additional	Amelaid Houmadi, Ecology Team Manager, had three
	Dahari's local		training	trips to Madagascar linked to his PhD development.
	ecology team in		courses	During these trips he benefited from support and training
	research,		delivered by	from our partners at Durrell Wildlife Conservation Trust,
	analysis and		partners in	as well as from the Professors at the Animal Ecology
	write-up		Madagascar	Department of the University of Antananarivo.
	improved so that		for key local	
	they can be		staff members	
	more			
	independent in			
	continuing and			
	extending the			
	work post-			
	project, and			
	extended to			
	project partners			
5	The capacity of	5.3	Electronic	In 2017 six internships were awarded to students of the
	Dahari's local		report of	University of Comoros. All six interns were included in the
	ecology team in		internships (up	bi-annual count of the Pteropus livingstonii population
	research,		to six)	that year. All six have since returned to participate in the
	analysis and		undertaken by	counts since then and one was given a fixed work
	write-up		selected	contract as a technician with Dahari. Two more were
	improved so that		students from	involved as active research assistants for the GPS tracking
	they can be		the University	study. The reports were submitted to CEPF in the past
	more		of the	together with a progress report.
	independent in		Comoros and	
	continuing and		the CNDRS	
	extending the			
	work post-			
	project, and			
	extended to			
	project partners			
6	Results of	6.1	Ecological and	The results from various components of this work has
	ecological and		social data	already been integrated into Dahari's conservation
	social studies		from the Moya	activities and planning, particularly regarding partnership
	built into		torest KBA	and proposals around the Livingstone fruit bat
	national policy		integrated into	conservation programme. During November and
	and practice		Integrated	December Dahari will work on a strategic plan for 2020 to
			landscape	2025 which will integrate the results from this research,

			management	in particular including a new strategic component on
			planning	reducing the loss of old-growth trees for timber. An
			undertaken by	interim set of conservation recommendations has been
			Dahari	drafted and will be made available to the public and
				stakeholders upon completion.
6	Results of	6.2	Reports of	The strong collaboration with the University has been a
	ecological and		collaborations	very positive outcome of this project, with Dahari hosting
	social studies		with the	students and research conducted together. Discussions
	built into		University,	are underway to further develop the partnership.
	national policy		CNDRS, UNDP	Exchanges with the Ministry have increased since the last
	and practice		and	election and discussions are underway about
			government	collaboration with the UNDP-led protected areas
			on sharing	programme. Similarly, relations with the Mohéli Marine
			data, training	Park are developing positively, with a first exchange trip
			delivered, and	planned for November. Efforts have been made multiple
			use of data	times to engage with the UNDP on collaboration
			within the	regarding the protected areas programme, but without
			protected	results to-date.
			areas	
			programme	
7	Priority capacity-	7.1	Poster	An oral presentation was delivered at the african
	building actions		delivered on	conservation capacity building conference in 2015 held in
	implemented to		application of	Nairobi. Networking at the conference progressed
	reinforce		the	relationships with FFI, Birdlife International and Maliasili
	Dahari's		Conservation	in particular, as relayed in the first project report.
	management		Excellence	
	team, board of		Model model	
	trustees, general		by Dahari at	
	functioning and		Africa	
	revenue		capacity-	
	generation		building	
			conference,	
			and report of	
			networking	
			with african	
			and	
			international	
			NGOs present	
7	Priority capacity-	7.2	Second Dahari	This was produced by Simon Black of the University of
	building actions		CEM	Kent and Jamie Copsey of Durrell in 2016 and the report
	implemented to		evaluation	submitted to CEPF. Recommendations about the
	reinforce		report	development of Dahari were integrated into strategic
	Dahari's		produced by	planning for 2015 to 2020.
	management		external	
	team, board of		experts	

	trustees, general functioning and revenue generation			
7	Priority capacity- building actions implemented to reinforce Dahari's management team, board of trustees, general functioning and revenue generation	7.3	Report of leadership and management training course for management team	Jamie Copsey of Durrell delivered the leadership and management training in 2016 to 8 members of Dahari's management team, with follow-up mentoring provided since then. The details of the training was submitted with previous reports.
7	Priority capacity- building actions implemented to reinforce Dahari's management team, board of trustees, general functioning and revenue generation	7.4	Report of recommendati ons to improve Board of Trustees Functioning produced by external advisor	Paul Siegel through WWF delivered this training in 2016 to the Board of Trustees, focusing on the role and structure of the board and its different members, and the difference with management functions. The report was previously submitted.
7	Priority capacity- building actions implemented to reinforce Dahari's management team, board of trustees, general functioning and revenue generation	7.5	Report of exchange visit to Madagascar, including participation in CEPF grantees exchange meetings	Misbahou Mohamed and Hugh Doulton particpated in the CEPF grantees meetings in Tana in 2017, and Misbahou Mohamed in Nosy Be in 2019. After the first meeting an exchange visit was organised with the NGO Fanamby to learn about their cash crop model. Dahari has been developing plans for adopting this since, and this is still under reflection for integration into the new strategic plan.
7	Priority capacity- building actions implemented to reinforce Dahari's management team, board of trustees, general	7.6	Business plan for the development of ecotourism and agricultural export published	This deliverable was changed into testing and developing Dahari's ecotourism programme. A dedicated tour guide was recruited and a brochure and other materials developed. However, the guide proved unreliable and the market weak and the ecotourism did not take off. Two potential markets have been identified - in Mayotte, and nature lovers from further afield - and planning is underway to reboost this activity.

				•
	functioning and		electronically,	
	revenue		and report on	
	generation		revenues	
			generated	
8	Understanding	8.1	Understanding	Two flying foxes (a male and a female) were tagged with
	movement and		movement	GPS loggers in early 2019, resulting in detailed data on
	habitat ecology		and habitat	their movements in the wet and dry seasons (from
	of Pteropus		ecology of	January to August 2019). Data analysis revealed that
	livingstonii using		Pteropus	while the male moved greater distances on average, the
	remote-sensing		livingstonii	female had a larger home range, indicating that
	technology		using	territoriality plays an important role in the social system
			remote-sensin	of this species. From the data we were able to identify
			g	important, often-frequented feeding sites, Ground-
			technology	truthing these sites revealed that the bats feed on specific
				trees in areas with crop gardens. The results are being
				incorporated into Dabari's conservation targets for this
				species. Production of a scientific publication is under
				way.
9	Assessing	9.1	Assessing	This deliverable was cancelled in an agreed change due to
	sustainability of		sustainability	political problems during the period for which this project
	agricultural		of agricultural	was scheduled leading to the cancellation of advisor
	practices in		practices in	missions from the University of Oxford.
	forest		forest	
	landscapes with		landscapes	
	differing degrees		with differing	
	of		degrees of	
	anthronogenic		anthronogenic	
			antinopogenic	
	ng tochnology		use	
10	Dresentation of	10.10	Dresentation	This delivership was readified in an errord show so the
10	Presentation of	10.10	of project	mis deriverable was mounted in an agreed change: the
	project results		or project	expande ecological manager (Isabella Manal) presented
	by the Ecology		results by the	the results of the GPS-tagging study on Pteropus
	Manager at the		Ecology	livingstonii at the International Bat Research Conference
	Island		Manager at	In Thailand (July/August 2019) as the Ecology Manager
	Biodiversity		the Island	(Amelaid Houmadi) was unable to attend the proposed
	Conference in		Biodiversity	conterence due to timing issues with collaborators from
	Réunion Island,		Conference in	the University of Oxford visiting Comoros. The
	July		Réunion	participation in the Thailand conference has led to the
	2019anthropoge		Island, July	development of an important collaboration with Bat
	nic		2019	Conservation International.
	useremote-sensi			
	ng technology			

Please describe and submit any tools, products, or methodologies that resulted from this project or contributed to the results.

Methodologies that contributed to the results of this project:

1. Biodiversity surveys

Widespread surveys of the endemic fauna were conducted across the island of Anjouan, using a systematic, grid-based transects approach. As such multiple different habitat types (crop gardens and agroforestry systems, underplanted forest and natural forests) were sampled and assessed in different seasons. Biodiversity surveys were carried out by multiple researchers (expatriate and local) with the involvement of students from the University of Comoros. The results informed the identification of zones important for biodiversity conservation (report included in the 'Attachments'). The information is also included in a report summarizing the scientific research by Dahari between 2011 and 2019 which is currently being drafted and will soon be released to the public. 2. Spatial modelling

Remote-sensing data including satellite images were used as a basis for spatial modelling of the distribution of various animals (birds, reptiles, flying foxes) across the island of Anjouan. Environmental data (such as altitude) from satellite images, in-situ habitat assessments (that resulted in detailed descriptions of different types of habitat across Anjouan) and presence/absence data of surveyed species were used as the basis to estimate and delimitate areas across Anjouan, and in particular within the Moya forest region, which are of importance for biodiversity conservation. Species distribution maps will be published in peer-reviewed scientific journals and a report summarizing the scientific research by Dahari is currently being drafted and will soon be released to the public.

3. Social science questionnaires

The methodologies used to produce data on wood extraction for ylang ylang distillation, household consumption, and timber are included within the report of the wood-use study submitted with this report.

4. GPS tracking

GPS loggers were used to track two flying foxes between January and August 2019. The loggers (manufacturer: e-obs, Germany) were attached to the animals with collars that fall off after several months. The data were accessed and downloaded remotely with an ultra-high-frequency (UHF) device regularly during daytime while the loggers were still attached to the bats. This process minimised the distrubance to the animals. The data were were visualised and analysed using GIS programs. A scientific publication is currently underway and will be available publicly once it has undergone peer-review.

Tools resulting from this project:

A critical tool resulting from this project is the Participatory Biodiversity Monitoring Scheme: volunteers from two villages are surveying the areas important for biodiversity conservation regularly, updating a growing database on land-use changes (such as tree felling or pesticide use) and the prevalence of key endemic animal species. While Dahari is still heavily involved in all stages of the process (training volunteers, data entry and analysis), efforts are made to build village capacity to promote a self-sustaining scheme. A detailed explanation of the Participatory Monitoring scheme is attached in the "Attachments" section of this report.

The studies resulted in a detailed map identifying areas important for biodiversity conservation in the Moya forest region. The map is based on all the data collected during the project (surveys, spatial modelling) and will be the basis to inform future land management decisions and conservation projects. A graph depicting the map is included in this report under the 'Attachments' section and will be made available to national and international stakeholders.

Lessons Learned

Describe any lessons learned during the design and implementation of the project, as well as any related to organizational development and capacity building.

Consider lessons that would inform:

- Project Design Process (aspects of the project design that contributed to its success/shortcomings)
- Project Implementation (aspects of the project execution that contributed to its success/shortcomings)
- Describe any other lessons learned relevant to the conservation community

The project had a large number of components for the initial 2.5 year timeframe. The use of cost and no-cost extensions to complete these components was critical to the success of the project, and allowed important further research components to be added - especially around GPS mapping of the Livingstone fruit bat. In the end, the only two deliverables not achieved were the mapping work and the drone mapping of Livingstone roost sites.

The organizational capacity building components supported by Durrell, the University of Kent, and WWF were important for the development of the management team and board of trustees. At the same time, the assessment based on Conservation Excellence Model proved a heavy investment and lighter approaches are being adopted for future capacity building work.

The capacity of the ecology team was developed through the constant support of expat ecology managers, supported in turn by experts from the different international partners. As a general model, this worked well and is a tried and trusted way for Dahari to build towards the autonomy of its local teams. At the same time, the model relies to a large extent on the capacity of the expat manager to engage everyone above and below them effectively in the work. The project suffered in its early stages due to a lack of input from expert advisors, and then during a gap in the presence of an expat manager when the first recruit left.

The development of the collaboration with the University of the Comoros has been a great success for Dahari and facilitated several components of project implementation. In particular, the GPS tracking of the Livingstone's fruit bat would not have been possible without the collaboration, and the development of a pool of trained interns facilitated several fieldwork components. All of this will be built on in the future, with a renewed partnership agreement under discussion.

Sustainability / Replication

Summarize the success or challenges in ensuring the project will be sustained or replicated, including any unplanned activities that are likely to result in increased sustainability or replicability.

The main aim of the project was to complete a body of scientific research in order to identify conservation priorities in Anjouan to feed into conservation action. For many of these now-completed studies, there is therefore no aim of repeating them and sustaining the results is about implementing conservation actions - which Dahari is planning to do. At the same time, many of the studies would usefully be performed on the other islands of the Comoros, and some further afield, and so all reports

will be published online (www.daharicomores.org), and a communications event organised before the end of the year in the Comoros. Publication of key results in peer-reviewed journals is under way, but takes several months - the first paper was submitted in April, with a reply expected in December. Those studies that will be continued are the population monitoring and GPS tracking of the Livingstone's fruit bat (due to critical situation of this species and the need for further information to devise a full conservation plan), and the participatory monitoring scheme (the product of many of the other studies and a key tool for engaging communities in habitat protection). All of this work needs funding - Dahari is in discussion with Bat Conservation International to collaborate on taking much of this work forwards over the next few years, which will facilitate fundraising. The implementation of conservation recommendations is of course far more complicated than the research, but is facilitated by Dahari's 12 years of experience of community conservation and development in the Comoros in the south of Anjouan. Coordination needs to be improved with the authorities and major donor agencies in the Comoros if results are going to be more widely applied. Discussions are under way and an exchange visit is planned with the Mohéli National Park in November to share experiences and collaborate on bat population counts.

Safeguards

If not listed as a separate Project Component and described above, summarize the implementation of any required action related to social, environmental, or pest management safeguards

No work with communities or conservation interventions so no safeguards required or implemented

Additional Comments/Recommendations

Use this space to provide any further comments or recommendations in relation to your project or CEPF

CEPF flexibility in permitting cost and no-cost extensions was of great benefit in successfully completing this project. Administrative and reporting requirements were reasonable, although we would have preferred not to have to submit timesheets. Thank you for your support and we look forward to the seeing the impact of the results of this project as the reports and papers are published.

Additional Funding

Provide details of any additional funding that supported this project and any funding secured for the project, organization, or the region, as a result of CEPF investment

Total additional funding (US\$) *\$71,429.00*

Type of funding

Please provide a breakdown of additional funding (counterpart funding and in-kind) by source, categorizing each contribution into one of the following categories:

- A Project Co-Financing (other donors or your organization contribute to the direct costs of this project)
- *B* Grantee and Partner Leveraging (other donors contribute to your organization or a partner organization as a direct result of successes with this CEPF funded project)
- *C Regional/Portfolio Leveraging (other donors make large investments in a region because of CEPF investment* or successes related to this project)

Α

Counterpart funding 6429 USD, The Rufford Foundation (GPS tracking study); \$6,000, the Darwin Initiative (wood-use study, salary costs)

In-kind support 10,000 USD of staff time for Durrell, University of Kent and WWF staff time towards capacity building; \$34,000 from Dahari for equipment use, office hire, senior staff time; \$10,000 for staff time from University of Oxford for research expertise; \$5,000 from Initiative Développement for staff time and logistics for wood-use studies

Information Sharing and CEPF Policy

CEPF is committed to transparent operations and to helping civil society groups share experiences, lessons learned, and results. Final project completion reports are made available on our Web site, <u>www.cepf.net</u>, and publicized in our newsletter and other communications.

1. Please include your full contact details (Name, Organization, Mailing address, Telephone number, Email address) below

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