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**MADAGASCAR**

# FINAL WORKPLAN

*Maintaining Biological Integrity of Critical Biodiversity Habitats  
Associate Cooperative Agreement No. 687-A-00-04-00090-00*

JANUARY 1, 2008 – MARCH 31, 2009



This publication was produced for review by the United States Agency for International Development. It was prepared by Conservation International (CI), Wildlife Conservation Society (WCS) and World Wide Fund for Nature (WWF)

## **PROJECT SUMMARY**

Project Name: **MIARO**

Project activity: **Maintaining Biological Integrity of Critical Biodiversity Habitats**

Cooperative Agreement No.: **687-A-00-04-00090-00**

Project period: **May 17, 2004 – September 30, 2008. This workplan includes planning for a proposed extension to March 31, 2009**

Implementing Organization: **Conservation International – Madagascar in partnership with WCS and WWF**

Planning Period: **January 1, 2008 – September 30, 2008 and October 1, 2008 - March 31, 2009**

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## LIST OF ACRONYMS

<b>AFD</b>	<i>Agence Française pour le Développement</i>
<b>ANGAP</b>	<i>Association Nationale pour la Gestion des Aires Protégées (Parcs Nationaux Madagascar ANGAP)</i>
<b>BPC</b>	Business Planning for Conservation
<b>CAG</b>	Conservation Action Grants
<b>CAS</b>	California Academy Sciences
<b>CAZ</b>	Ankeniheny-Zahamena Corridor
<b>CD</b>	Compact Disc
<b>CDFIDE</b>	<i>Comité pour le Développement des Instruments de Financements Durables pour l'Environnement</i>
<b>CDM</b>	Clean Development Mechanism
<b>CEPF</b>	Critical Ecosystem Partnership Fund
<b>COFFAV</b>	<i>Corridor Forestier Fandriana-Vondrozo</i>
<b>CI</b>	Conservation International
<b>CIREEF</b>	<i>CIRconscription de l'Environnement, des Eaux et Forêts</i>
<b>CISCO</b>	<i>Circonscription Scolaire</i>
<b>CITES</b>	Convention on International Trade in Endangered Species
<b>COAP</b>	<i>Code des Aires Protégées</i>
<b>COFFAV</b>	<i>Corridor Fandriana Farafangana Vondrozo</i>
<b>CONARAMS</b>	<i>Comité National RAMSAR</i>
<b>CPA</b>	Community Protected Areas
<b>CRD</b>	<i>Comité Régional de Développement</i>
<b>DDC</b>	Digital Development Communication
<b>DGEEF</b>	<i>Direction Générale de l'Environnement, des Eaux et Forêts</i>
<b>DIR</b>	<i>Direction Inter-Régionale (Regional Offices) for ANGAP</i>
<b>DREEFT</b>	<i>Direction Régionale de l'Environnement, des Eaux et Forêts et du Tourisme</i>
<b>DSAP</b>	<i>Direction du Système des Aires Protégées</i>
<b>DVG/GVD</b>	Durban Vision Group
<b>Env/RD</b>	Environment /Rural Development
<b>EP3</b>	Madagascar's Environmental Program Phase 3
<b>FLR</b>	Forest Landscape Restoration
<b>GDRN</b>	<i>Gestion Durable des Ressources Naturelles</i>
<b>GOM</b>	Government
<b>GSPM</b>	<i>Groupe de Spécialistes des Plantes à Madagascar</i>
<b>HIPC</b>	Heavily Indebted Poor Country
<b>HQ</b>	Headquarter
<b>IEG</b>	<i>Indice d'Efficacité de Gestion</i>

<b>IFC</b>	International Finance Corporation
<b>IUCN</b>	International Union for Conservation of Nature and Natural Resources – The World Conservation Union
<b>JME</b>	<i>Journée Mondiale de l'Environnement</i>
<b>MAP</b>	Madagascar Action Plan
<b>MBG</b>	Missouri Botanical Garden
<b>MECIE</b>	<i>Mise en Compatibilité des Investissements avec l'Environnement</i>
<b>MINENVEF</b>	<i>Ministère de l'Environnement, des Eaux et Forêts</i>
<b>MIST</b>	Management Information System
<b>MPA</b>	Marine Protected Area
<b>NEAP</b>	National Environmental Action Plan
<b>NGO/ONG</b>	Non-Governmental Organization
<b>PA</b>	Protected Area
<b>PADR</b>	<i>Plan d'Actions pour le Développement Rural</i>
<b>PES</b>	Payment for Ecosystem Services
<b>PGC</b>	<i>Plan de Gestion de la Conservation</i>
<b>PIC</b>	<i>Pôle Intégré de Croissance</i>
<b>PME</b>	Project Manager
<b>PRSP</b>	Poverty Reduction Strategy Paper
<b>RES</b>	Restoration Ecosystem Services
<b>RUG</b>	<i>Réunion des Unités de Gestion</i>
<b>SO6</b>	Strategic Objective 6
<b>SSEE</b>	<i>Système de Suivi de l'Etat des Ecosystèmes</i>
<b>STTA</b>	Short-term technical assistant
<b>SAPM</b>	<i>Système des Aires Protégées de Madagascar</i>
<b>SAS</b>	<i>Service Appui Scientifique</i>
<b>SAT</b>	<i>Service Appui Technique</i>
<b>SIG/GIS</b>	<i>Système d'Informations Géographiques</i>
<b>TDR/TOR</b>	Terms of Reference
<b>TDY</b>	Temporary Duty
<b>UNESCO</b>	United Nations Educational, Scientific and Cultural Organization
<b>WB</b>	The World Bank
<b>WCPA</b>	World Commission on Protected Areas
<b>WCS</b>	Wildlife Conservation Society
<b>WWF</b>	World Wildlife Fund / World Wide Fund for Nature
<b>ZPC</b>	<i>Zones de Priorités pour la Conservation</i>

## **LIST OF RESPONSIBLES PER ORGANIZATION**

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	HR:	Herilala Randriamahazo
	RV:	Ray Victorine
	VR	Valérie Rabesahala
<b><u>WWF</u></b>	ER	Erik Reed
	EB	Esteban Brenes
	GR:	Gérard Rambeloarisoa
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## **I. SUMMARY**

This workplan covers activities for the MIARO program between 1 January – 31 March 2009, funded by USAID under the “Maintaining Biological Integrity of Critical Biodiversity Habitats,” Leader Award No. LAG-A-00-99-00046-00. At the time of preparing this workplan the Leader Award only covers the period up to September 30, 2008. However this plan is the basis of a request for an extension to the award at no cost to USAID and therefore reflects activities until March 31, 2009.

The priority in 2008 will be to ensure the areas that received temporary protection in 2005 and 2006 are definitively gazetted and that the capacity to manage new protected areas is in place. To support this work, MIARO will work with partners to develop the necessary institutional, legal, technical and financial framework for successful management of these sites. We will closely support the new Direction for Protected Areas (DSAP) to improve and update existing management guide documents and to develop new ones covering subjects such as management plans for new protected areas, safeguard plans and protected areas governance. We will also work with DSAP to ensure that essential management tools such as a GIS-linked database of protected areas is available, and a functioning system is put in place to monitor the management effectiveness within the new protected areas.

Building capacity of new managers for protected areas will be a priority this year and MIARO will address this challenge at several levels: with the new Direction for protected areas, with the decentralized services, with newly designated protected area managers, local communities and other civil society groups. We will approach capacity building through the development and use of training modules, integrating local communities in the management planning process, through the development of community participatory monitoring activities, and with national and international exchanges to share lessons and promote best practice.

One of the major constraints that promoters of new protected areas have faced to date is the lack of a comprehensive, coherent legal framework for the protected areas system that integrates the new categories of protected area and their governance. Amending the Protected Areas Code (COAP) to cover these issues will be done in the first semester of 2008. In parallel, the policy for delegation of management responsibility will be defined so as to allow for the creation and functioning of governance structures for the new protected areas.

For the marine environment, support will be provided to the Environment-Fisheries Commission to improve the biological priority setting and to put in place the first marine protected areas. Previous recommendations that have been made related to marine protected area legislation will also be integrated into the work to update the COAP.

The past success of forest restoration activities will be built upon this year, particularly since habitat restoration has been identified as one of the most important environmental adaptation measures that Madagascar can implementing the face of climate change. The activities will be focused on supporting the DGEF develop and implement a habitat restoration policy, based on the recommendations of a national habitat restoration meeting that was held in 2007. On the ground, restoration

activities will continue at Mantadia and Ambohilero. An important focus this year will be to compile the lessons learned from these sites and others where restoration has occurred and to share them throughout the network of partners involved in habitat restoration work in Madagascar.

Conservation finance remains as important a theme as ever and for the remainder of the MIARO program, we will work to support the newly restructured Ministry of Environment, Water, Forests and Tourism to mainstream conservation finance. Specifically, MIARO will provide a technical assistant to the Sustainable Finance Service (Service de Perennisation Financière). MIARO will continue to build on the activities to support the Tany Meva and Protected Areas and Biodiversity Foundations. We will also continue to develop a “Green Tax” mechanism on international flights and follow through with the negotiations over French debt relief (le Contrat de Désendettement et de Développement - C2D). With MIARO support, Madagascar has already gained important experience in the growing forest carbon markets through pilot REDD (Reducing emissions from Deforestation and Degradation) projects in Makira and CAZ (Corridor Ankeniheny-Zahamena) and forest habitat restoration activities at Mantadia (TAMS – Tetik’asa Mampody Savoka). As this is one of the most promising sustainable financing mechanisms we will add to these projects by completing a national carbon baseline analysis for the government and developing a new REDD project for the COFFAV (Corridor Forestier Fandriana-Vondrozo). In addition we will support the government in developing an overall strategy for climate change mitigation and adaptation, including issues related to forest carbon offsets. MIARO will continue to pursue other opportunities related to long-term funding for conservation, such as continuing the development with Zurich zoo, analyzing the feasibility of payments for ecosystem services, and developing the legal framework for ecotourism concessions within protected areas.

A new approach during 2008, will be the creation of a new “Conservation Action Grants” (CAG) to which managers and promoters of protected areas can apply for grants. This new fund will be managed through the Grant Management Unit of Conservation International Madagascar. Every month a grant committee composed of CI and USAID staff will consider any eligible proposals that have been received.

## **II. PROJECT ACTIVITY**

### **RESULT MODULE I: ECOLOGICAL LINKAGES WITHIN AND BETWEEN LANDSCAPES ESTABLISHED AND/OR MAINTAINED BY EXPANDING BIODIVERSITY HABITAT CONSERVATION**

#### **A. Sub Result Module Objectives**

##### **1.1. Promote the definition of policy and legal parameters for the establishment of new protected areas**

Activities under this sub RM will build on policy recommendations and guidelines for SAPM that have been developed in previous years and use these to develop practical management tools and the necessary legal tools to effectively manage New Protected Areas. Manuals and reference documents that have already been

produced will continue to be improved and new guides on governance, natural resource use and safeguards will be developed and distributed to stakeholders at national, regional and local level. MIARO will support the DSAP in its work to propose amendments to the legal code, the “Code de Gestion des Aires Protégées”(COAP), so that it reflects the policies that have been developed for new protected areas within the SAPM. As many of the new protected areas advance in the creation phase, clear and formal management structures for these areas are needed. The MEEFT, with support from Jariala, has developed a decree to clarify the framework for delegating management of forest resources. MIARO will build on this to support the DGEEF in developing a specific Arrêté allowing management delegation for protected areas. MIARO will also continue to be engaged in the communication campaigns for new protected areas both nationally and at priority sites.

A workshop was organized in January 2008 to assess the impacts of climate change on terrestrial and marine biodiversity and livelihoods in Madagascar. The aim was to provide a clear understanding of climate predictions and threats to marine and terrestrial biodiversity and livelihoods in the country. Recommendations were generated for building ecosystem resiliency and adapting to the likely impacts of climate change and a number of these recommendations, particularly those concerning protected areas and forest restoration, have been directly included in MIARO’s plan of work for 2008.

<b>RESULT MODULE</b>	<b>Activities</b>	<b>Output</b>	<b>Period</b>	<b>Locality</b>	<b>Responsible</b>	<b>Partner</b>
1.1.1. Conduct policy review and make recommendations for IUCN categories and management options	Finalize tools such as “document d’orientation”, “Guidelines for the creation of new protected areas”, “Guidelines on governance”, "Guidelines on sustainable use of natural resources". Ensure that they are validated by the Commission SAPM and distribute these tools to stakeholders at national, regional and local level. Promote their use	Tools distributed and implemented	Jan - Mar	National	MA, NANIE	Commission SAPM (Central), DGEEF/DSAP Consultants
1.1.2. Review and clarify options for management and ownership of future protected areas	Support the development of appropriate management structures for priority new protected areas	Management structures in place for new protected areas (2005/2006)	Apr - Dec	Priority sites		
	Support the development and diffusion of compilation of case studies on co- management and APC	Compilation of case studies developed and diffused	Oct - Dec	National		
1.1.3. Propose and implement decret d’application for Site de Conservation and other mechanisms for conservation in COAP	Support the DSAP in amending the legal framework, COAP, to include new categories of protected areas and new governance structures including APC, APP, CTD. This will also include marine PAs	COAP amended, validated and implemented	Jan - May	National	MA, NANIE	Commission SAPM

	Support the DSAP to improve the legal framework for SAPM. Specifically developing the "Textes d'application" of the COAP and ensuring coherence of other sectorial texts with COAP texts.	Legal framework for new categories and new governance defined	Mar - Sept	National	MA, NANIE	Commission SAPM (Central), JARIALA, ERI
	Support the promoters during the legal process of creation.	New protected areas granted temporary protected status and protected areas 2005/2006 granted decree of creation	Feb - Dec	Priority sites	MA NANIE	Commission SAPM (Central), Commission GDRN (regional)
	Support the development of the "Texte d'application de delegation de gestion " for SAPM	Texte d'application for management delegation developed, validated and implemented	Apr - Jul	National	MA, NANIE	Commission SAPM
1.1.4. Improve perceptions relating to protected areas among key groups such as political decision-makers, communities neighboring protected areas and the general public, especially concerning economic issues, contribution to poverty reduction	Catalyze temporary protection status for the following sites : Andavakoera-Andrafiarena, Tsitongambarika, corridor Marojejy - Anjanaharibe Sud- Tsaratanana, Manambolomaty, other sites based on SAPM commission priorities	Creation process of new protected areas started	Jan - Dec	Priority sites	MA, MEN, JLM	Commission SAPM (central), Commission GDRN (regional), WWF, CI, WCS, ANGAP, DURRELL, PEREGRINE
	Assessment of the impact of climate change to the Biodiversity and Livelihoods in Madagascar	National workshop	Jan	National	CI, WWF	USAID, WCS, CEP
	Preparation of the MAP road show to US	Production of MAP brochure/factsheets	Jan - Feb	National;	CI	Presidency

## 1.2. Identify and promote potential new protected areas in consultation with regional and local actors

Clear identification of the sites that will be included within SAPM is crucial to allow landscape planning and dialogue with other sectors that pose potential threats to biodiversity and environmental services. Of particular importance in 2008, is the expiry, in October, of the inter-ministerial agreement between MEEFT and the Ministry of Energy and Mines to protect all areas of potential conservation importance. To renew agreement with the Mining sector, it will be essential to identify the final configuration of SAPM that maximizes the representation of biodiversity within the protected areas network. This will require further updating and refining of the existing priority setting work that has been done to date. As part of this refinement of the conservation planning done to date, new taxonomy will be included in the analyses and there will be a particular effort to improve the quality of data on freshwater species and their needs. This conservation planning update should also include considerations of climate change and the impact it will have on species distributions and their dispersal needs.

In addition to the national-level identification of priority areas for conservation, MIARO will continue to organize site-focused conservation planning to refine potential limits of protected areas at a regional scale. This planning is an essential first step for the promoters of new protected areas and allows integration of protected areas into wider landscape planning.

In 2008, conservation priority sites for marine protected areas will be refined based on new species distribution data and integrating considerations of resiliency to climate change. The legal framework for MCPAs will be improved and fully integrated into the amended COAP, and the institutional framework for MCPA management will be defined. This work on MCPAs will build off progress made in 2007 and focus on finalization and validation of a national implementation plan for MCPAs.

MIARO will continue to publicize the economic value of Madagascar’s protected areas through a variety of means. In particular results for a study of ecosystem values in the Masoala-Makira land and seascape will be disseminated, and MIARO partners will participate in a workshop planned to share the results of studies on Payments for Ecosystem Services.

<b>RESULT MODULE</b>	<b>Activities</b>	<b>Output</b>	<b>Period</b>	<b>Locality</b>	<b>Responsible</b>	<b>Partner</b>
1.2.1. Facilitate a collaborative effort of key stakeholders to identify and map sensitive natural ecosystems of importance for biodiversity, within the context of broader forest zoning	Organize conservation planning workshop for each new priority site and identify sensitive natural ecosystems which are important for biodiversity conservation (workshop) Priority sites : Andavakoera, Tsitongambarika et autres sites prioritaires dans la région de l'Anosy, corridor Marojejy - Anjanaharibe Sud-Tsaratana, Manambolomaty, other sites recommended by Commission SAPM	Sensitive natural ecosystems identified	Apr - Dec	Priority sites	MA, MEN, JLM	Commission SAPM, Commission GDRN, WWF, WCS, CI, ANGAP, promoters, stakeholders at provincial and regional level
	Produce maps of sensitive areas for each priority site and propose limits of new protected areas and internal zoning	Maps produced	Apr - Dec	National	MA, DIMBY	
1.2.2. Develop a common understanding of relationships between forest zoning and conservation priority-setting	Work with zoning team at DGEEF and JARIALA to update forest zoning and conservation priority setting map	National Forest zoning/SAPM map updated/refined	Feb - Aug	National	MA, DIMBY	Commission SAPM, JARIALA, DGEEF, Volet GDRN, Groupe Taxonomique

	Identify complementary actions to conserve large habitat blocs in critical biodiversity areas	Actions to conserve large habitat blocs identified jointly	Feb - Dec		MA, MEN, JLM	JARIALA, DGEEF, Groupe Taxonomique
1.2.3. Collectively synthesize recommendations of terrestrial priority-setting and planning exercises to produce urgent priorities for conservation	Communicate the results of prioritization at national level	Production, duplication, distribution of conservation digital atlas	Jan - May	Antananarivo	WCS	Rebioma
1.2.4. Work with appropriate bodies (CONARAMS, technicians, ministries) to identify marine and freshwater conservation priorities and localize to sites	Refine marine conservation priority sites based on new species distribution data	Map of marine priority sites produced	Jan - Jun	National	HERILALA (WCS), DIMBY, WWF, CI	Commission Environnement Pêche
	Support the elaboration of the “Document d’orientation” for marine and Coastal PA	Orientation document produced	Jan - Jun	National, regional	WCS	Commission Environment Peche
	Legal review of relevant legal texts relating to MCPA and Improve the legal framework for MCPA	completed in 2007. Results will be integrated into COAP (see 1.1.3)				
	Continue to build government capacity to manage MPAs including elaboration of national strategy for MCPA incorporation into current national PA management structure (COAP)	National strategy for MCPAs developed	Mar - May	National, regional	WCS	Commission Environnement Peche
	Develop framework for freshwater priority sites designation	National framework developed, initial priority sites identified	Mar - Sept	National, regional	WCS	MEEFT
1.2.5. Work with government planners to adopt conservation planning methodologies through workshops and on-the-job training.	Integrated into activity 2.2.6				MEN, SR	Commission SAPM
1.2.6. Complementary priority areas for conservation activity collectively identified using threatened and restricted-range species data	Integrated into activity 1.2.3					

1.2.7. Technicians conduct gap analyses through review of species distributions and environmental modeling analysis	Consult with taxonomic experts to verify and validate the biodiversity priority map	Biodiversity priority map revised	Mar - Jul		MA, DIMBY	Groupe taxonomique (DGEEF, WCS, CI, WWF, CAS, DURRELL, RBG, MBG, GTI, ONE, etc.)
1.2.8. In collaboration with technical partners review critical habitat loss threats to identify future priorities	Validate, print and distribute forest cover change map between 2000 and 2005	Forest cover change map distributed	Jan - Jun	National, Provincial, Regional	CI	Jarjala, Groupe taxonomique (DGEEF, WCS, CI, WWF, CAS, DURRELL, RBG, MBG, GTI, ONE, etc.)
	Integrate new protected areas and priority sites into fire alert system. Increase users of system.	Fire alert system includes priority sites	Jan - Jun			
1.2.9. Work with key CIREEFs and regional concertation platforms to identify regional biodiversity priority information needs, and means of integrating this with zoning plans	Integrated into 1.2.1					
1.2.10. Communication plan established and implemented to identify and mobilize support for policy initiatives based on threats analysis, at local, regional and national level	Support the DSAP establish a communications plan on SAPM	Broad support for conservation-related policy initiatives at national, regional and local levels	Jan - Dec	National	CI, WWF, WCS	Commission communication, commission SAPM, Commission GDRN, WCS, WWF, CI
	Develop a website for the SAPM within the MEEFT website	Website created including key information/documents on SAPM	Mar - Jun	National	CI, WWF, WCS	DSAP, CEP
	Mediatize SAPM progress	Organize regular press conferences updating SAPM progress	Jan - Dec	National	CI, WWF, WCS	DSAP, CEP

		Produce a film on on SAPM progress for national audience	Jul - Dec	National	CI, WWF, WCS	DSAP, CEP
	Communications campaign within CAZ and COFAV	Communication network within CAZ and COFAV operational	Apr - Dec	Regional	CI	DSAP, CEP
		Produce a short film explaining the creation process of CAZ	Jan - Mar	Ankeniheny-Zahamena Corridor	CI	CI Toamasina, Fanamby
1.2.11. Database of key biodiversity data developed as a tool for planning and monitoring the new and potential protected areas	Rebioma database is further developed and used for terrestrial and marine conservation planning at national and regional scales in support of the SAPM creation process.	Data is stored within REBIOMA database and used for conservation planning	Jan - Dec	National	Dimby	Rebioma, Commission SAPM
	Protected areas databases transferred from Rebioma and new relevant databases established within DSAP monitoring services in collaboration with the Direction de Systemes d'Information	Protected Areas databases established within DSAP	Apr - Dec	National	Dimby, CI	

### 1.3. Establish new protected areas

MIARO will continue to support the creation of new protected areas outside of USAID priority areas through direct technical support, training to promoters, institutional support to the DSAP and by providing funding for activities at priority sites. The MIARO partners will provide technical support to the promoters developing maps for public consultations so that a common standard and approach is used at all NAPs. The lessons learned from the consultation process at more advanced sites will be shared between promoters to ensure a high standard of public consultation at all NAPs. This sharing of information will be done through the exchange of documents, technical assistance for the design of the consultations and staff exchanges from sites beginning the process to those where it is more advanced. An international exchange focused on community management of protected areas will also be organized for DSAP staff and some MIARO staff involved in site creation and the provision of technical support to NAP promoters. Bolivia and Peru have some of the most effective community managed protected areas in the World and a two-week visit will be hosted by the CI Andes program for staff from Madagascar and South Africa.

The MEEFT has gone through a recent restructuring, and support to the newly established Direction de Système des Aires Protégées (DSAP) and other relevant services within MEEFT (for example the DREEFTs and CIREEFs) will be a recurrent theme during 2008. The responsible agencies (DGEEF, DREEFT, CIREEF) will be involved in all relevant trainings, for example on the participatory approach for the “concertation” during the creation of new protected areas, governance system, and logistics of managing protected areas.

An important new approach in 2008 will be the provision of a “Conservation Action Grants” to support protected area establishment and management. This fund will be available to support the creation of new protected areas and will be a crucial addition to existing resources for NAPs to continue pushing the SAPM process forward during 2008. This funding may also be used to support ANGAP’s activities. The fund will be managed through the existing grant management unit of Conservation International Madagascar and grants will be made through a grants committee which will include USAID.

In 2008, WCS will continue to use MIARO funds to develop the management capacity of the Ambatotsirongorongo NAP. Currently available draft versions for the NPA’s PGES and PGC will be finalized and validated, and inauguration of this new community managed protected area is planned for mid-2008. Activities will continue to focus on shaping of governance for the protected area, as well as development of a framework for community-based ecological monitoring of the protected area. Forest restoration efforts, initiated in 2007, will continue and expand with matching funds from UK Restore. MIARO partners will also continue to develop the protected areas in the Anosy region through the provision of technical support. In addition to continuing the support already given to Ifotaka and Ankodida, the further development of Tsitongambarika as a new protected area is a priority for the DSAP in 2008. The forests of Tsitongambarika are a critically important source of wood or energy and other products to the greater Fort Dauphin urban center. Appropriate establishment of the protected area limits and zoning, as well as development of a governance and management structure for this proposed protected area will be critical. Tsitongambarika stands to become a model of long term financing for protected areas in Madagascar through its potential development as a biodiversity offset site – complementing RM4 objectives and activities.

<b>RESULT MODULE</b>	<b>Activities</b>	<b>Output</b>	<b>Period</b>	<b>Locality</b>	<b>Responsible</b>	<b>Partner</b>
1.3.1. Region-level maps of Sensitive Areas, Biodiversity, with Business as Usual Scenarios integrated into regional zoning processes in five areas outside USAID priority areas, produced in collaboration with regional zoning committees, CIREEFs and partners	Provide technical support to promoters to produce maps for the conservation planning process, produce maps for the consultations at commune, district, regional levels	Common methodology for consultation maps adopted and a training session held for GIS staff	Apr - Dec	Priority sites outside USAID priority areas	MA, MEN, JLM	Commission SAPM, Commission GDRN, WWF, CI, WCS, ANGAP, Promoters, stakeholders at provincial and regional level
	Support in developing "schema global d'aménagement", definitive management plan	"Schema global d'aménagement" and management plan developed	Apr - Dec			
1.3.2. Identify capacity and resource requirements to establish and manage new protected areas	Facilitate auto evaluation of new protected areas management teams and help to identify training needs	Training needs identified	Jul - Dec	Priority sites outside USAID priority areas	MA, MEN, JLM	Commission SAPM, Commission GDRN, WWF, CI, WCS-REPC
	Facilitate the creation of learning networks for PA managers to exchange experience on PA management and governance	Learning networks created and operational	Jan - Dec	National	MA, NANIE	Commission SAPM, Commission GDRN, WWF, CI,

						WCS-REPC
1.3.3. Work with responsible agencies to build their capacity to organize and execute the logistics of managing protected areas including development of management plans in new PAs	Provide technical support to the newly established DSAP and commission SAPM	DSAP operational	Jan - Dec	National	MA, JLM, NANIE	Commission SAPM, DGEEF, ANGAP, MinEnvEF, JARIALA
	International exchange on community participation in protected area establishment and management with CI Andes team	Strategy for community management of PAs in Madagascar	Apr - May	Andes (Peru and Bolivia)	CI Madagascar	DSAP, CI Andes
1.3.4. Catalyze funding and support to implement priority areas through sustainable financing measures identified under RM4	Update the analysis of management costs of protected areas based on the governance type (linked to RM4.2.1)	Management and creation cost of protected areas based on the governance type updated	Feb - Jul	Antananarivo	CI, WCS	RM4 partners, Commission SAPM, TA for sustainable financing activities
1.3.5. Priority conservation zones areas legalized	" Conservation Action Grants " to support protected area establishment and management	New protected areas are created by promoters and stakeholders	Mar - Dec	National, priority sites	CI, USAID	Promoters
	Continued support to Ambatotsirongorongo PA	Definitive PA status issued, community governance supported, forest restoration program established	Jan - Dec	Antananarivo, Anosy region	WCS	Eaux et Forets
1.3.6. Regularly synthesize regional visions at national level	Improve communication between commission GDRN at regional level and Commission SAPM in Tana	Communication between the two commissions improved	Jan - Dec	National, Provincial, Regional	MA, NANIE	Commission SAPM, commission GDRN

#### 1.4. Refine conservation priorities in USAID priority eco-regions

For MIARO, the main objectives for USAID priority eco-regions during 2008 are the gazettelement of CAZ (Ankeniheny-Zahemena corridor) and finishing most of the public consultation process for the COFFAV (Fandriana-Vondrozo corridor). The activities for CAZ and COFFAV will be carried out in collaboration with the Alliance partners in these ecoregions, particularly ERI and JARIALA. In addition, MIARO aims to ensure that Ambatotsirongorongo is gazetted in the Anosy region (see description in 1.3) and that the NAP creation process advances substantially in Tsitongambarika. MIARO will continue to play an active role in the USAID Alliances at the ecoregional level.

For CAZ, public consultations have been done with communities all around the potential protected area. However, during this process it was clear that further consultations will still be necessary for some areas to ensure that all communities are represented and participate. In particular, communities in the northern part of

the corridor and in the remote enclave areas were under-represented and will need to be revisited during early 2008. The draft management plan will be finalized this year along with the environmental and social impact assessment. The governance structure for CAZ will be defined with regional actors and the MEEFT and MIARO will provide further support to ensure that the structure becomes operational. DSAP aims to gazette CAZ by the end of 2008.

For COFAV, the public consultation process has started and the Alliance team is currently refining the consultation methodology based on the lessons learned from the first 6 communes visited. Completion of the consultation process in the remaining 60 communes will be the main activity for 2008. The regional MIARO team will also start to produce the management plan and environmental and social impact assessment and determine the governance structure for the new protected area. In addition, MIARO will develop a carbon offsets revenue source (REDD and CDM) for this site as part of the long term financing plan for the new protected area.

Within Anosy, WWF will continue in the establishment of Ifotaka and Ankodida (with matching funds and technical support from MIARO), and WCS will continue to work on the creation of Ambatotsirongorongo (MIARO funded). MIARO staff will support the creation process for Tsitongambarika as needed (the site promoter is Birdlife/Asity Madagascar) and DSAP aims to have this site under temporary protected status by December 2008.

RESULT MODULE	Activities	Output	Period	Locality	Responsible	Partner
1.4.1. Work closely with implementers of USAID Ecoregional Planning and Agriculture/Trade contracts to determine common vision of importance for conservation and mechanisms for identifying priority areas and actions	Participate in USAID Alliance meetings and share continuously information on the implementation of SAPM with implementers of USAID Ecoregional Planning and Agriculture/Trade contracts	Implementers of USAID well informed on the implementation of SAPM	Feb - Dec	USAID priority areas	Equipe MIARO	Commission GDRN, CI, WWF, WCS, membres de l'Alliance USAID
1.4.2. Take results of activities 1.1.4, 1.2.5, 1.2.6, 1.2.7 and 1.3.1 and produce locally-relevant strategic data analyses of biodiversity conservation priorities in collaboration with local technicians and authorities	Integrated into 1.3.1		Feb - Dec	USAID priority areas	Equipe MIARO	Commission GDRN, Taxonomic group
1.4.3. Work with local partners and authorities to identify planning processes and to negotiate strategic	Promote and support the development of management plan for all PAs in USAID priority ecoregions	Participative management plan developed	Apr - Dec	USAID priority areas	MA, MEN, JLM	Commission GDRN, CI, WWF, WCS, membre de l'Alliance USAID,

vision for biodiversity conservation in the context of forest zoning						Stakeholders
	Promote and support the development of management plan for the Corridor Ankeniheny-Zahamena and Corridor Forestier de Fandriana-Vondrozo	Participatory management plan developed	Feb - Jun	USAID priority areas	MA, MEN, JLM	Commission GDRN, CI, WWF, WCS, membre de l'Alliance USAID, Stakeholders
1.4.4. Region-level maps of Sensitive Areas, Biodiversity, with Business as Usual Scenarios integrated into regional zoning process produced in collaboration with regional zoning committees and partners to aid decision-making	Continue the consultation and negotiation at communal level (CAZ)	Zoning of new protected areas finalized and data for the elaboration of the management plan gathered	Jan - Dec	USAID priority areas : CAZ		CI, WWF, WCS, membre de l'Alliance USAID, stakeholders
	Continue the consultation and negotiation at communal level (COFFAV)	Zoning of new protected areas finalized and data for the elaboration of the management plan gathered	Jan - Dec	USAID priority areas : COFFAV	COMMISSION GDRN	
	Elaborate the management plan with limit definitive (CAZ)	Management plan elaborated	Feb - Aug	USAID priority areas : CAZ		CI, WWF, WCS, membre de l'Alliance USAID, stakeholders
	Elaborate the management plan with limit definitive (COFFAV)	Management plan elaborated	Feb - Aug	USAID priority areas : COFFAV		
	Facilitate the establishment of Tsitongambarika NAP	Governance and management structures defined, framework for long term financing developed	Mar - Dec	Antananarivo, Anosy region	TGK taskforce	QMM, Birdlife, JariAla, WCS, CI
	Establishment of the governance and management structure for CAZ and COFFAV	Governance structure defined and validated	May - Sept	USAID priority areas	COMMISSION GDRN	CI, WWF, WCS, membre de l'Alliance USAID, stakeholders
	Capacity building for governance structure	management structure trained	Sept - Dec	CAZ, COFAV	MA	Secretariat technique regional, ANGAP

1.4.5. Identify capacity and resource requirements for establishment and management of new protected areas, and extension of existing protected areas, and train personnel	Integrated into 2.2.5		Jan - Dec	National	MEN, MA	REPC, WWF
1.4.6. Catalyze funding and support for implementation of priority protected areas in collaboration with USAID Ecoregional Planning and Agriculture/Trade contractors, through sustainable financing measures identified under RM4	Work with USAID Alliance partners to identify funding sources	Develop 5-year funding strategies for CAZ and COFFAV (2008-2012)	Jan - Dec	Ecoregional	Hanta, Jean, BR, DR, JLM	Alliances

### 1.5. Develop forest restoration functions and procedures in USAID priority eco-regions

Restoration is one of the key recommendations of the climate change workshop held recently in Antananarivo as a strategy to address both adaptation and mitigation to the global warming. As a result, it is critical for the DGEEF to integrate restoration into its reforestation strategy. Various activities and approaches are planned to achieve a better understanding and coordination of restoration at all levels.

Planned activities include support to the government to design a forest restoration strategy, which is critical for the future of restoration in Madagascar. Creation of a network of restoration practitioners was recommended during the national restoration workshop held last year. A list of interested people and institutions was established that included representatives of the MEEFT and MAEP as well as people from conservation and research institutions. We plan to contact these stakeholders again and will hold the first meeting of the restoration network in early 2008. We will promote exchanges between practitioners through site visits and a workshop. We will use the Ambohilero/Didy experience as a model for forest restoration after industrial exploitation and the experiences gained by MIARO partners at Andasibe-Mantadia and Masoala as models for restoration of habitats degraded by slash-and-burn. During 2008 we will review the progress to date at Andasibe-Mantadia (TAMS- see below), Ambohilero and Masoala and update restoration action plans for these three areas.

#### **TAMS (Tetik’asa Mampody Savoka)**

Habitat restoration activities at Andasibe-Mantadia (TAMS) are progressing well and this project now has a vast source of information that can be used to guide restoration efforts elsewhere. A seed and seedling guide for native tree species in the Andasibe-Mantadia area (many of which are also found elsewhere) has been written that includes detailed information for each species on the conditions required for seedling production and planting. Since the production of the first version of the guide last year, additional

data were collected by the nursery and phenology team. To date this document has had a very limited distribution and MIARO will update the document to include new information and species and distribute a new version. Similarly, new techniques as alternatives to Tavy have been developed as part of this project and we will produce a practical manual for farmers that describes these Sustainable Livelihood Activities (SLAs).

<b>RESULT MODULE</b>	<b>Activities</b>	<b>Output</b>	<b>Period</b>	<b>Locality</b>	<b>Responsible</b>	<b>Partner</b>
1.5.1. Help to improve policy and/or institutional conditions as necessary in favor of restoration or to reduce potential constraints, and review potential contribution of forest restoration to conservation objectives in USAID priority areas	Support the DGEEF to define a national strategy for forest restoration	National restoration strategy is developed. Task force on forest restoration operational.	Mar - Jun	National & Regions	GR	Miaro partners, DGEEF, Jariala
1.5.2. Through field-testing, refine approaches to reforestation (native forest re-establishment, enrichment planting using native species, fast growing forest cover establishment using pioneer species...) to reconnect or improve degraded connections/corridors	Continue working with experts on forest restoration methodologies and approaches (linked to 1.5.4)	Lessons from Didy, Mantadia and Masoala disseminated and applied and restoration typology created and validated	Jan - Dec	National & Regions	GR	Miaro partners, DGEEF
	Restoration techniques already developed on TAMS project are valorized through the production of practical guides produced on nursery techniques for native species and on agroforestry techniques	Seed and seedling guide is updated and diffused - A manual for SLAs is created	May - Dec	National & Region	JR, JLM	MBG
	Development of an action plan for reforestation in the Antongil Bay [Masoala/Makira] landscape based on 10 years of experience in Masoala	Action plan for reforestation and restoration of the Antongil Bay [Masoala NP and Makira PA] produced	Mar - Apr	Antongil Bay	WCS	ANGAP; Eaux et Foret
1.5.3. Establish an action plan for the priority sites and support local communities, and civil society groups in attracting investment for reforestation	Implement action plan for Ambohilero site	Action plan for Ambohilero implemented	Mar - Aug	Site	GR	Miaro partners, DGEEF & CIREEF

1.5.4 . Promote information and experience exchanges between practitioners	Organize regular exchange workshops with key actors, support the creation of a learning network of practitioners on restoration	Inputs from practitioners are shared and documented, network operational	Apr - May, Sept - Oct	National & Regions	GR	Miaro partners
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## **RESULT MODULE II: MANAGEMENT EFFECTIVENESS FOR PROTECTED AREAS MANAGEMENT IMPROVED**

### A. Sub Result Module Objectives

#### **2.1. Develop and/or refine conservation management plans and other thematic plans for protected areas.**

In 2008, RM2.1 support will capitalize on the work conducted during the previous years and will focus more on the development and functioning of Madagascar’s System of Protected Areas – SAPM. It is crucial to support the finalization and the development of various tools in order for new protected areas to function and for managers/co-managers to operate the management of new protected areas.

MIARO will take advantage of the national workshop (held in January 2008) on climate change to consider this issue in the planning process. It is important for current and future (co-)managers of natural resources to understand the importance of this problematic factor and to face such issues in their planning process.

Since last year, 2007, we have adapted guides, software and other tools developed for Madagascar National Parks Service PNM-ANGAP network to SAPM to ensure rapid elaboration of plans and for evaluating management impacts. Due to the reality on the ground and to better integrate various needs regarding protected areas operations, the guide will be strengthened with aspects on protected areas governance, management structures - including community-based management of natural resources - and mitigation.

We will work with the Ministry of Environment, Water and Forests, and Tourism, its regional representatives and site managers / promoters to ensure that scientific and technical databases are in place and that staff members are trained to use them when planning, implementing, monitoring and evaluating the management of protected areas. As a first contribution for this, profiles highlighting the importance of the biodiversity in selected protected areas have been developed. We will use all available databases to develop adaptive monitoring systems and to improve them when they already exist. The reinforcement and the development of integrated community-based ecological monitoring will be continued.

The opportunity presented by the creation of the “Service de Suivi Ecologique – SSE” (literally Ecological Monitoring Department) at the Directorate General of Environment, Water and Forests will facilitate the implementation of monitoring activities. We will particularly support the SSE to develop an appropriate framework for the national monitoring methodology.

In 2008, development of a framework for marine monitoring in reserves and protected areas will also be initiated. Currently marine ecological monitoring efforts are being ‘outsourced’ to national-based monitoring teams at very high costs. MIARO partners will develop the capacity for monitoring by local groups at key sites. Efforts will also continue in 2008 to work toward development of a ‘reflexe environnementale’ working at the local level in communities bordering protected areas to develop school based environmental education and communication tools.

<b>RESULT MODULE</b>	<b>Activities</b>	<b>Output</b>	<b>Period</b>	<b>Locality</b>	<b>Responsible</b>	<b>Partner</b>
2.1.1. Complete the existing review of national network plans’ status to ensure adequacy and relevance.	Completed for ANGAP. Review under way for SAPM	Review of network's management plans	Jan - Jun	National	MEN	CI, WCS
2.1.2. Based on status (completion, quality), finalize thematic plans by ensuring adequate analysis, goal and outputs setting, and monitoring.	Original thematic plan documents have all been completed.	Completed for ANGAP				
2.1.3 Develop template and finalize consolidated management plans including strengthened analysis and objectives and monitoring based on improved thematic plans	Completed for ANGAP. Adaptation for SAPM	Management plan template and guide finalized for category III, V and VI PAs	Jan - Aug			
2.1.4. Update manuals and plans to include responses to broader issues such as climate change and regional conservation and development objectives.	Consider climate change issues in the planning process.	Recommendations from the national climate change workshop are integrated into manuals.	Feb - May	All SAPM sites with temporary status	WWF (MEN & TR)	MiARO partners

2.1.5. Set up a peer review and networking system to share knowledge of improved planning systems. Include DGEEF in this process and assist planning in new conservation sites, including MPAs, using improved manuals.	Adaptation of guides and software to SAPM to ensure rapid elaboration of plans and for evaluating management impacts. The guide will be strengthened with PA governance, management structures (including community management of natural resources) and mitigation/safeguards	Adapted guides for management planning available for all SAPM protected areas.	Feb - Jun	Antananarivo	MEN, TR, JPDH, Nanie (NR)	Miaro partners, DGEEF
	Develop environmental education toolkits for use by PA management and teachers in park peripheries	teaching modules for schools developed, support materials for teachers and environmental clubs designed and produced, youth-based environmental clubs in PA border communities established	Jan - Dec	Antananarivo, regional	WCS	CISCO
2.1.6. Assist implementation, with special attention to adopt best practices and monitoring as part of adaptive management at key sites.	Compilation of key scientific, technical and legal documents and distribution of these to each protected areas (including NAPs)	Key documents are available at sites through an updated version of the CD produced for ANGAP in 2006	Mar - Jun	National	CI	Miaro partners
	Support regional representatives of MEEFT and site managers / promoters to ensure that scientific and technical databases are in place and that staff are trained to use them. Profiles highlighting the importance of the biodiversity in selected PA will	Species databases and profiles for PA available at sites.	Jan - May	Antananarivo & Regions (CAZ)	WCS, WWF?	Miaro partners, DSAP/SSE, MOMA Team
	Develop a marine ecological monitoring technical framework for ANGAP	Framework developed and marine ecological monitoring teams trained in 4 sites	Mar - Nov	regional	WCS	ANGAP
	Continue to develop adaptive ecological monitoring practices for PAs and NPAs including integrated community-based ecological monitoring	Priority PAs and NPAs have adaptive ecological monitoring programs in place.	Mar - Nov	regional	WCS	ANGAP, Eaux et Forets

## 2.2. Improve and fully implement annual programmatic work plans for protected areas

The PNM-ANGAP network has a system in place to evaluate management effectiveness based on the WCPA (World Commission on Protected Areas) evaluation framework. The need for the whole SAPM network to have a similar system will be facilitated by MIARO. We will take advantage of the current system used by PNM-ANGAP to develop an appropriate system for the SAPM network of protected areas. We will also test a newly published Protected Area – Benefit Assessment Tool which will help to collate information on the socio-economic and wider benefits of the SAPM. This benefits information will be important for articulating the importance of protected areas in Madagascar. In addition, a review of global systems will facilitate the work so that the best practices on field and project-based experience will be adapted for SAPM.

We will assist new protected areas in developing appropriate monitoring methodologies to better address issues of management impacts. We will not limit our assistance on ecological monitoring as managers need also to measure social, economic and probably cultural impacts of protected areas. Therefore, monitoring systems in place could be used to measure not only the change to ecosystems but socio-economic and cultural impacts as well.

Conservation International, under a contract with the USAID funded Jariala project, has recently updated analysis of forest cover loss and improved the daily Global Firer Alerts system for Madagascar so that it is available for a wider number of users and information can be provided in a wide variety of formats to suit the users needs. We will promote the use of these two important sources of threats data through the MIARO program, in particular by promoting their use by SAPM promoters/managers and regional decision-makers.

The most important activity for RM2 this year 2008 will be to continue to provide support to priority new protected areas in elaborating overall management plans, monitoring and evaluation systems. Priority sites are: Toamasina and Fianarantsoa corridors, Anosy sites including Ifotaka and Ankodida, Menabe sites, Makira in the Northeast, PK32 Ranobe, Onilahy in the Southwest, and Montagne des Français, Orangea et Ambodivahibe in the Diana Region. Some of those sites – Menabe Central, Ifotaka and Ankodida – are currently finalizing their conservation management plans. It is important that those sites will have management plans in order for them to obtain permanent status.

MIARO will continue to work closely with the REPC project to develop the capacity and knowledge of environmental issues of ANGAP and DGEEF staff through the development and use of training modules. Eight relevant training modules have been produced in 2007, and an additional 2 modules will be developed by mid-2008. It is important to note that there needs to be clear ‘buy in’ from ANGAP so that these training efforts can form part of an on going capacity and career development strategy.

RESULT MODULE	Activities	Output	Period	Locality	Responsible	Partner
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2.2.1. Based on upgraded thematic plans and existing proposals for improved annual workplanning, assist PA staff at key sites to set quantifiable targets for annual workplans, and test approaches during implementation.	Included in activity 2.1.3 and already completed for ANGAP. This activity will be done for selected New Protected Areas	-			MEN	
2.2.2. Upgrade the current WCPA-based evaluation system based on field implementation experience, and upgrade additional management audits as necessary to meet international standards.	Assist DGEEF / DSAP in developing evaluation system for SAPM.	Management effectiveness system in place and operational.	Apr - Aug	Antananarivo	MEN, JPDH, CI	Miaro partners
2.2.3. Integrate business planning results and workplan results to ensure coherence and effective annual planning and monitoring	Included in activity 2.1.2 and 2.3.2 and will be completed in parallel.	Integrated technical and financial planning at sites.				
2.2.4. Assist ANGAP and DGEEF to develop regional monitoring systems specifically for those regions.	Assist NAP in developing monitoring manual and appropriate methodology to better address issues of management impacts (ecological, social, economic and cultural impacts)	Site-based monitoring data is compiled into regional analyses and plans available	Feb - Nov	Regions & sites	WCS (AA), WWF (MEN, SR, TR)	Miaro partners, DGEEF, MOMA team, DSAP/SSE
	Set in place a system to manage and communicate Global Fire alerts and data	Monthly National Reports on Fires in protected areas available and distributed to stakeholders	Jan - Dec	National & Regions	CI (Solofo)	WWF (TR), WCS & DGEEF
2.2.5. Within ANGAP, review and improve Techpro and Tompro, and upgrade other database/monitoring systems, and assist with staff training.	Continue to develop training modules for PA and NPA managers based on training needs expressed by ANGAP and Eaux et Foret, and improve training programs within ANGAP and Eaux et Foret	4 training modules developed, and 40 persons from ANGAP and Eaux et Foret trained	Jan - Dec	Antananarivo, Fianarantsoa, Toliara	CI, WCS, REPC	ANGAP, Eaux et Forets

2.2.6. Assist DGEEF in developing adequate systems for new conservation sites, based on the above.	Provide support to priority NAP in elaborating overall management plans, monitoring and evaluation systems. Priority sites: Toamasina and Fianarantsoa corridors, Anosy sites including Ifotaka and Ankodida, Menabe, Makira, PK32 Ranobe, Onilahy, Monta	NAP have management plans before gazettment.	Jan - Dec	National & sites	MEN, JLM, SR, TR, VR	Miaro partners & DGEEF
	Finalization of SAPM guides and manuals, including support to development of Governance systems for NAP, and support to the development of governance tools in selected advanced sites (cf list of sites above)	All SAPM guides and manuals are available. In addition to manuals/guides and management plans, NAP have governance tools	Jan - Dec	National & sites	MEN, NR, TR, VR	Miaro partners
	Setting up integrated management of world heritage sites of humid forest of Atsinanana	An integration management action plan is completed and implemented	Jan - Dec	6 parks	MEN, Luciano	UNESCO, WCS, MEEFT

### 2.3. Develop an appropriate system of business plans and marketing programs for protected areas

MIARO has provided training and analysis tools to all PNM-ANGAP sites to help them write their business plans. During 2007, finalization of these plans was planned under RM3 activities but these activities were not approved in the workplan. As a result, PNM-ANGAP protected areas have business plans in a variety of stages of completion. At the same time, the PNM-ANGAP network has used many of the analysis tools developed for the business planning to review the financial needs of the whole network and headquarters is in the process of finalizing this overall financial strategy and using it to negotiate with donors for the period 2009-2012. In 2008, we will review PNM-ANGAP's business planning needs and update and redistribute the business planning analysis tools and documentation to the inter-regional and site-based staff.

We believe that the need for business plans is greater for the New Protected Areas than for PNM-ANGAP which has a relatively clear idea of the needs of the national parks network and is able to negotiate with donors on the basis of support to the entire network. However, for New Protected Areas, the responsibility for funding sites will fall largely to the promoters of individual sites for the initial years of management and for these fundraising efforts it will be useful to have business plans. In 2008, MIARO will therefore focus more on NAPs and will adapt the existing analysis tools and business plan template document for use by NAP promoters. Training in the use of these tools will be provided to promoters of priority NAPs and technical assistance will be provided to priority sites by Malagasy management graduates working in close collaboration with the field teams of the promoters. Priority sites for which business plans will be completed during 2008 are CAZ, COFFAV, Menabe, Complexe Ramena, Mahavavy-Kinkony, Mangoky-Ihotry, Makira, Daraina and Aloatra.

<b>RESULT MODULE</b>	<b>Activities</b>	<b>Output</b>	<b>Period</b>	<b>Locality</b>	<b>Responsible</b>	<b>Partner</b>
2.3.1. Design the best BPC template to be used in all protected areas.	Update analysis methods and tools based on recent changes made by PNM-ANGAP in the calculation of their standardized costs for activities	Latest analyses of ANGAP's costs are integrated into business planning methodology	Apr-June	Antananarivo	TR, JR, JLM, DOP	DGEEF
2.3.2. Assist ANGAP and DGEEF develop and implement BPs in all operational PAs, prioritizing sites and setting completion dates	Distribute updated PNM-ANGAP manuals and analysis tools	PA management units have updated manuals and tools	July	Antananarivo	TR, JR, JLM, DOP	DGEEF
2.3.3. Review BP process after 2-3 years, and help to improve plans and manuals as necessary.	Modify manuals for NAPs	Practical manual, template and analysis tools available for NAPs	Apr-July	Antananarivo	TR, JR, JLM	DGEEF
2.3.4. Assist fund-raising strategy development and implementation, and facilitate ANGAP/DGEEF relations with partners.	Develop fundraising strategy for SAPM	Funding needs identified and fundraising strategy document available	Jan-Dec.	Antananarivo	JLM, MEN, CH	DGEEF
2.3.5. Facilitate ANGAP-DGEEF knowledge sharing to develop best practices.	Provide direct support to NAPs for the production of their business plans	ANGAP staff provide technical support to new protected areas	Aug-Dec.	9 Priority sites (see narrative)	TR, JR, JLM	PNM-ANGAP, DGEEF
2.3.6. Help identify international national, regional funding sources and to develop appropriate strategies for funds acquisition.	Identify potential donors to support individual sites and ensure relevant proposals and business plans are submitted.	Funding opportunities for SAPM are identified and followed up	Jan-Dec.	Antananarivo	JLM, MEN, HC, CH	PNM-ANGAP, DGEEF
2.3.7. Continue to promote close collaboration with professional tourism operators to improve marketing and goods and services.	Ensure links to ongoing tourism concession development by USAID-led taskforce.	Concessions policy is distributed to PA managers and promoters and is taken into account in planning documents	Jan-Dec.	Antananarivo	VR	Concessions Task Force – USAID, IFC, PIC, WWF, CI, WCS

## **RESULT MODULE IV: SUSTAINABLE FINANCING MECHANISMS OPERATIONAL**

The Malagasy government, through the Ministry of Environment, Water, Forests and Tourism (MEEFT) needs to establish a sustainable financing strategy for its conservation objectives, including the creation of protected areas in Madagascar. During the EP2, a sustainable finance committee was created and developed a framework for developing different environmental financing mechanisms. This framework will be updated to form the basis of the sustainable financing strategy. This year, to ensure that a long term vision for sustainable finance is developed within the ministry, MIARO will provide a technical assistant to the Sustainable Finance Service to help coordinate the development of sustainable financing mechanisms. In addition, MIARO staff will continue to focus on further developing the most promising mechanisms: the two existing Trust Funds (Tany Meva and the Foundation for Protected Areas and Biodiversity), Green Taxes, bilateral debt swaps (specifically C2D), Carbon offsets and leveraging new funding from zoos and the private sector.

### **4.1. Expand and develop management capacity of Malagasy Environmental Trust Funds/Foundations**

#### ***ACTIVITY 4.1.1 - Long-term support & technical assistance to Tany Meva Foundation for institutional development, strategic planning, and development of new sustainable financing mechanisms***

With the new Board of Tany Meva in place, efforts must now be focused on finalizing organizational structures and procedures, updating of the strategic plan to address emerging issues such as SAPM management and the potential to use carbon markets to help finance protected area management as well as reforestation/restoration. This will require coordination with the Board as well as the Executive during 2008. Areas that will require focus will include: 1) finalization of an investment policy, 2) potential reinvestment of assets to maximize returns, 3) support for reorganization, and 4) development of appropriate procedures and preparation of manuals. Many of these items have been pending and will need to be addressed during this year.

We plan to work with Tany Meva to better define where it will focus its efforts linked to SAPM. With the assistance of WCS, Tany Mavy successfully solicited additional funding from the MacArthur Foundation, and with these monies Tany Meva is well placed to begin developing specific sites. Once these sites are identified, specific technical assistance needs can be considered based on needs and opportunities. Tany Meva already has experience of management of carbon projects through its partnership with CI at Andasibe-Mantadia, and MIARO intends to take advantage of this capacity to involve Tany Meva in new carbon market opportunities. In 2008, we will help Tany Meva link to outside organizations involved in the carbon trade in order to develop a project that will allow Tany Meva to finance some of its reforestation efforts through carbon financing. In particular, as part of our support to MEEFT in developing a national REDD strategy, we will review the role that both of the existing environmental Foundations should play in managing REDD revenues.

#### ***ACTIVITY 4.1.2 - Long-term support and technical assistance to Madagascar Foundation for Protected Areas and Biodiversity***

Following a request from the Foundation, Miaro will support the development of a marketing and communication document and strategy. Following on the completion of the strategic plan a marketing and communication document will detail various objectives of the Foundation over the short and medium terms. Strategies targeting specific audiences will foster relationships that reinforce the goals and objectives of the Foundation and develop a platform for longer term actions. This activity will build the recognition and awareness of the mission and goal of the Foundation as well as make the role of the Foundation better known to partners through the implementation of the communication and marketing strategy.

The development of a prioritization policy for support of Protected Areas will outline the criteria and priorities for the Foundation as it considers various PAs for intervention. The clarification of a prioritization policy will enable success in funding and the evaluation of new support opportunities Protected Areas.

<b>RESULT MODULE</b>	<b>Activities</b>	<b>Output</b>	<b>Period</b>	<b>Locality</b>	<b>Responsible</b>	<b>Partner</b>
4.1.1. Long-term support & technical assistance to Tany Meva Foundation for institutional development, strategic planning, and development of new sustainable financial mechanisms	Finalize investment strategy for Tany Meva	Finalized strategy and identification of new investment manager.	Mar - Oct	Antananarivo	WCS (RV, CH)	Tany Meva Executive and Board
	Support the restructuring of Tany Meva to better meet program needs and implement strategic plan - efforts will include development of manuals and documents to guide Tany Meva's work.	Restructured organization, key manuals prepared to guide operations	Mar - Jul	Antananarivo	WCS Consultant	Tany Meva Executive and Board
	Assist Tany Meva in developing a forest carbon project based on reforestation.	New reforestation carbon project with external funding through organization such as Plan Vivo.	Mar - Dec	Antananarivo	RV and CH	Tany Meva Executive and possibly Plan Vivo
	Assist Tany Meva develop a strategy to support SAPM.	Strategy developed; sites selected for Tany Meva support; Initial plans developed	Mar - Dec	Antananarivo, regional	CH, RV and other WCS Madagascar staff	Tany Meva, SAPM Secretariat
	Structure Tany Meva role in carbon finance linked to the sale of Makira carbon.	MoU with Tany Meva guiding management structure for funds	Mar - Jul	Antananarivo	RV and CH	Tany Meva, MEEFT
	Continued support of Tany Meva activities management	RM4 component of Project is coordinated	Jan - Dec	Antananarivo	CF Project Manager	Tany Meva, MIARO partners

	Work with Tany Meva to identify at least one and possibly two additional sites (in addition to Makira) where it can support community-based approaches for PA management.	At least two additional sites identified and operational plans developed	Mar - Dec	Sites TBD	WCS – RV, CH, GIS team	Tany Meva
4.1.2. Long-term support & technical assistance to Madagascar Foundation for Protected Areas and Biodiversity for institutional development	Develop marketing and communication document.	Finalize marketing and communication document.	Jan - Sept	Tana	ER, MDL	FAPB/MIARO/W WF-US
	Develop Prioritization policy.	Finalize and implement selection and prioritization of PAs for Foundation support.	Jan - Sept		MEN	
	Fundraising Support.	Based on FAPB request, support fundraising activities in the US as a follow up of MAP mission in Washington, DC.	Jan - Oct		ER, MDL	FAPB/MIARO/W WF-US

**4.2. Build on efforts made and cooperate with other EP3 actors to strengthen potential sources of income for forest habitat conservation**

***ACTIVITY 4.2.1 - Technical support to the Comité pour le Développement des Instruments de Financement Durable – for the development of initiatives for financing and implementing conservation in a range of protected areas throughout Madagascar***

This activity will be reoriented in 2008 to provide support to the newly established sustainable financing service (SPF) within the MEEFT, rather than the now obsolete Comité pour le Développement des Instruments de Financement Durable. MIARO will provide a technical assistant to work with SPF on a fulltime basis. MIARO staff will continue to support sustainable financing issues through the working groups that were established in 2007. These groups will meet regularly to develop strategies and approaches consistent with the Madagascar Action Plan.

***ACTIVITY 4.2.2 - Greater information and understanding within Madagascar about the value of ecosystems services developed and promoted***

As part of the work of the working group on biodiversity offsets, MIARO members will organize a biodiversity offset meeting in Madagascar. The purpose of the meeting will be to present potential policy options, create greater understanding of existing offset programs, and demonstrate how biodiversity offsets fit into

Madagascar's overall environmental and development strategies. The meeting will be planned for convenient time between July and September 2008 and will involve the participation of key members of the Business and Biodiversity Offset Program. Design of the workshop will begin in March.

Work will continue on evaluating the possibilities for water-shed based PES mechanisms incorporating several different potential sites. Analysis of local sites will complement the work begun in the capital to render a national assessment of PES activities more complete and comprehensive and lend relevant examples from the field to the broader understanding of PES within Madagascar. The goal of establishing a local, regional and national assessment of PES activities will contribute to a national workshop on PES supported by MIARO partners (Reference to RM1.1.4).

In conjunction with various site analyses, identification of gaps and management plans will be identified to understand and implement PES mechanisms if, where and when appropriate.

***ACTIVITY 4.2.3 - Development of carbon related projects for forest restoration and forest conservation***

Carbon offsets through both Clean Development Mechanism compliant and voluntary markets represent one of the long-term financing opportunities for conservation. MIARO partners will continue to develop this emerging opportunity for Madagascar by helping the government determine a national strategy for Forest Carbon Projects, and through the development of this financing mechanism at specific sites. The MIARO partners will also provide the government with assistance as required with contacts and market connections.

**National-level**

MIARO partners will continue to provide assistance to the government in developing a national strategy for Forest Carbon Projects. In 2007, a new analysis of deforestation rates was published by MEEFT/CI/Jarjala/USAID and MIARO will build on this to provide an analysis of the national carbon baseline. This analysis will form an important part of the MEEFT's planned strategy and it will help to identify the most important sites for REDD and reforestation/restoration activities. MIARO partners will also assist the government in organizing a workshop on REDD in April and in pursuing financing opportunities such as the Forest Carbon Partnership Fund. In all these activities, MEEFT technicians will be fully integrated into the process to improve their capacity to engage in forest carbon market opportunities.

**Makira**

In 2008 there are expectations that WCS will sign an MoU with the Government that will permit the sale of emission reductions from Makira. The key element to that agreement will be the distribution of the income earned from the sale to support rural communities and conservation directly. Efforts will be required to ensure that the emission reductions are registered under the Voluntary Carbon Standard. Some MIARO funds may be required to achieve this certification and achieve a potentially higher price.

### **USAID priority ecoregions**

Conservation International will continue to provide assistance to MEEFT in implementing its CDM-compliant habitat restoration project in Andasibe-Mantadia (TAMS) and in implementing its REDD project for CAZ. As a new initiative with MIARO support, CI will design a new Forest Carbon Project for COFFAV in close collaboration with the ecoregional Alliance members.

### **Andasibe-Mantadia restoration project**

The Project Design Document (PDD) of TAMS is in the process of validation at the national level: comments by stakeholders and subsequent updates will be conducted. This will result in the approval of the document by the Designated National Authority (DNA) who, in turn, will send it to the CDM Executive Board, hopefully before the end of June. We will also develop a carbon monitoring protocol in collaboration with a Malagasy partner organization (to be defined) who can act as an in-country independent verifier of the carbon Emissions reductions generated by the project.

### **CAZ**

The MEEFT will use REDD revenues to finance the Ankeniheny-Zahamena Corridor over the long term. In addition to MIARO's work to establish CAZ as a protected area, we will continue to provide technical support to ensure that the carbon financing project for CAZ is designed to the most rigorous standards. During 2008, potential offsets will be re-evaluated, taking into consideration more recent and accurate deforestation data, we will provide advice to the government on its negotiations with the BioCarbon Fund and other potential offset buyers, and we will take the lead in developing the PDD according to the recently published World Bank REDD methodology.

### **COFFAV**

To complement the field activities that MIARO is undertaking to create the new protected area, we will also design a new carbon offset for this corridor. As for CAZ, this will be done following the World Bank's REDD methodology which we anticipate will become the standard for both voluntary and UNFCCC post 2012 compliant REDD projects. Detailed deforestation rate analysis has already been completed for COFFAV and this will be combined with biomass studies and predictive modeling techniques to provide estimates of potential Emissions Reductions from conservation activities. We will also develop a PDD, including defining the structure for distribution of REDD revenues.

### ***ACTIVITY 4.2.4 - Assist the GOM develop other new financial instruments for forest habitat conservation***

Under Results Module 4 (RM4), the MIARO program is currently collaborating with Madagascar's Ministry of Environment, Water, Forests and Tourism (MEEFT) to develop new sustainable financing instruments for the environmental sector in Madagascar. The Secretary General of MEEFT has identified several sustainable financing mechanisms as priorities for development, including, among others, payments for Carbon sequestration and Green Surcharges. There is a separate activity dealing with Carbon and thus the focus of this activity is on implementing a Green Surcharge.

Terms of reference for a follow-up study on Air transport surcharges, and including other elements, were developed in coordination with the SG and have been carried out in early January. Based on recommendations from the study an action plan was developed to support the implementation of the air transportation surcharge and to bolster promotion of the surcharge by the Ministry. Further activities will be carried throughout the year in line with the goal of implementing the surcharge and supporting the Ministry to achieve the goal of implementing a sustainable financing mechanism to support the MAP environmental objectives.

**ACTIVITY 4.2.5. Enable environmental actors to obtain increased budgetary allocations for the environmental sector through debt relief allocations**

In November 2004, WWF identified the French debt relief instrument within the Heavily Indebted Poor Countries Initiative (HIPC) called “Contrat Désendettement Développement” (C2D) as a potential source of funding for the environment although no C2D had ever been allocated to natural resources at that time. Since then, WWF has been lobbying the French government and advocating for allocation to natural resources in the countries that are eligible for the instrument.

In early January a delegation from the French Government (GOF) came to Madagascar to discuss a new round of debt reduction with the Government of Madagascar (GOM). In principle all parties agreed to a reduction that would condense 43 years worth of re-payment to a period of five years, of which 50% would be allocated to the environment through the Foundation for Protected Areas of Madagascar (FPAB). This would constitute approximately 13 million Euros (1/2 of the 26 million Euro total) that would be allocated to the Environment through the FPAB. The Government of Madagascar would make bi-yearly payments to the Government of France which would then be re-dispersed to the GOM pending a double signature from GOF and GOM. The agreement is pending finalization that is scheduled to occur sometime in early 2008.

RESULT MODULE	Activities	Output	Period	Locality	Responsible	Partner
4.2.1. Technical support to the finance committee of the Durban Vision group – development of a sustainable finance framework for the development of initiatives for financing forest conservation in a range of protected areas and implementation of activities	Provide technical assistance to the "Service de la Pérennisation Financière" of the MEEFT	Coordination of sustainable finance activities within MEEFT	Apr - Dec	Antananarivo	CI	MEEFT/SG/SPF ; WCS, WWF
	Regular meetings of working groups	Minutes of meetings; identification of actions.	Jan - Dec	Antananarivo	MIARO members serve as chairs of the meetings	Identified stakeholders from Government and Civil Society
	Continue to work with the Committee to identify both policy and programmatic actions	Policy and programmatic actions identified	Jan - Dec	Antananarivo	MIARO members serve as chairs of the meetings	Identified stakeholders from Government and Civil Society
4.2.2. Undertake biodiversity economic analyses and organize forums to increase	Organize a Biodiversity Offset Meeting and Workshop	Workshop report and action plan	Jul, Dec	Antananarivo and in field at offset sites	RV – Biodiversity Offset Team	GoM, BBOP, private sector

understanding of the value of conservation in Madagascar	Support implementation of pilot offset projects	Projects launched and implemented	Jan - Dec	Antananarivo and sites	Working Group	BBOP and companies
	Complete assessment of watershed based ecosystem services in Fianarantsoa as part of pilot project.	Recommendations based on field and regional analysis will be proposed for further action on implementing PES mechanism.	Jan - Dec	Tana, Fianarantsoa	ER, SR, WCS (?)	MIARO Partners/WWF-US
	Complete assessment of PES legal framework and local activities.	Finalized legal/operational PES assessment within Madagascar.	Jan - Dec	Tana, Fianarantsoa, and other sites	ER, SR	
	Organize meeting to share experiences of PES studies in Madagascar	PES workshop held	Jul - Sept	National with regional participation	CI, WCS	WWF, MEEFT
	Identify gaps and management plans for payment mechanisms.	Based on target site analysis recommendations and business plan for PES implementation	Jan - Dec	Tana, Fianarantsoa, and other sites		
4.2.3. Development of carbon related projects for forest restoration and forest conservation	Finalize documents for Makira carbon sales and ensure mechanisms for distribution of proceeds.	MoU signed and financial management systems put in place to transfer	Jan - Dec	Antananarivo, US, Europe	RV and HC - link to possible buyers	GoM
	Identify and develop new carbon projects, especially linked to SAPM	Strategic plan for carbon financing developed with GOM	Jan - Dec	National/SAPM level - linked to international markets	Working group	GoM, communities.
	Explore the certification of Makira emission reductions under the new voluntary carbon standard (VCS)	Recognition of Makira VERs through the VCS	Mar - Dec	Makira, Antananarivo, and UK.	WCS	GoM, VCS Secretariat, private sector possibly.
	Update/establish carbon baseline and emission reductions estimates	carbon baseline figures and carbon credits generated by the project are up to date	Apr - May, Jul - Sept	CAZ, COFFAV	JM & AR	GoM
	Conduct preliminary surveys for carbon project	A carbon project feasibility study is completed for COFFAV. An ESIA is realized for both COFFAV and CAZ	Apr, Jul - Aug	CAZ, COFFAV	JM & JR	GoM

	Develop monitoring system	Monitoring methodology is created and monitoring plots are established to TAMS. First draft of monitoring methodologies developed for CAZ and COFFAV	Apr - May, Nov - Dec	CAZ, COFFAV	JM, JR & AR	ESSA-Forets
	Develop/update project documents	TAMS's PDD is approved by the DNA. COFFAV and CAZ PDD are	Jan - Jun, Oct - Dec	CAZ, COFFAV	JM, JR & AR	GoM
	Provide support to the GOM as needed	Carbon task force assisted - Carbon strategy paper developed with the GoM	Jan - Dec	National	JM, JR & AR	GoM
4.2.4. Assist the GOM develop other new financial instruments for forest habitat conservation including the Introduction of Green Taxes to finance the environmental sector	Support GoM draft proposal and strategy for green surcharge implementation.	Acceptance by MinEEFT to support Air transport surcharge.	Jan - Oct	Tana	ER, SR	MinEEFT/WWF-US/MIARO partners
	Prepare legal assessment and documents as necessary such "Decree" and/or "Amendment" to Loi de Finance including translation into Malagasy.	Legal draft of decree and/or amendment to the loi de finance.	Jan - Oct	Tana	ER, SR	GoM/WWF-US/MIARO partners
	Follow-up studies to support tourism related air transport studies to rationale for air transport surcharge.	Follow-up Studies Released	Jan - Oct	Tana	ER, SR	GoM/WWF-US/MIARO partners
4.2.5. Enable environmental actors to obtain increased budgetary allocations for the environmental sector through HIPC/PRSP budgetary allocations and non-HIPC debt bilateral debt for nature swaps	Ensure commitment of Environment related C2D debt alleviation negotiation. Contract and formalization is projected to be signed in May at the latest. For the moment no other activities are necessary.	Finalized agreement between GoM and GoF.	Jan - May	Tana	MDL	GoM/GoF/FAPB/MIARO Partners/WWF-US

### **4.3. Stimulate investment for biodiversity conservation**

#### ***ACTIVITY 4.3.1 - Promote site- based funding for SdC and AP particularly with “non-traditional donors” (zoos and zoo consortia) linked with marketing strategies and business plans of the two conservation funds and the Protected Areas***

During 2008, WCS will continue to liaise with Zoo Zurich to explore options for building a larger fund, identifying and discussing possible new funding initiatives. WCS will follow-up with Zurich on ideas developed in October 2007 regarding mechanisms for generating money for the endowment. In addition, WCS will explore the potential of getting funding from Switzerland to develop a forest carbon initiative around Masoala.

WCS will continue to cultivate a relationship between Makira and the Edmonton Zoo. Contributions from Edmonton are still quite small, so opportunities to expand funding from that source will be explored.

#### ***ACTIVITY 4.3.2 - Promote greater private sector participation in conservation through debt and equity financing for commercially viable biodiversity businesses and enterprises in Madagascar***

The MIARO team remains interested in developing conservation related businesses and to develop effective marketing of products that contribute directly to conservation. Opportunities exist to work with small business and link them to natural products. Some support to these processes are anticipated in 2008, including using some funds for training.

#### **Development, validation, and 'mise en oeuvre' of national ecotourism concession policy**

This activity will contribute towards the development of the ecotourism sector in Madagascar with a specific emphasis on development of ecotourism investments in protected areas. The main focus of MIARO efforts will be the coordination of a national level Ecotourism Task Force or Steering Committee to guide the development of the concession process. This work will be coordinated directly with the International Finance Corporation (IFC). Specifically MIARO support will include the hiring of a coordinator, technical assistance on concession policy development and standard procedures, fees, and investment processes, and collaboration in site selection and promotion. Initiatives that generate a significant financial return for protected areas and ensure income flows to local communities will be given priority. Valerie Rabesahala will work as the Coordinator for the Steering Committee.

There are four major components to this activity:

- Development of a legal and policy framework to establish concessions in protected areas of Madagascar
- Creation of a concession framework or process to ensure appropriate norms and procedures to ensure high quality ecotourism investment
- Selection of the most appropriate and appealing sites for development and development of materials to promote them

- Launching the process to initiate the first investments.

In early 2008 the project expects to complete the policy framework and the concession manual that will allow the concession process to move forward. In addition, priority sites will be identified. The goal will be to have the system in place and operational (at least on a pilot basis) by the end of the year.

RESULT MODULE	Activities	Output	Period	Locality	Responsible	Partner
4.3.1. Promote site-based funding for SdC and AP particularly with “non-traditional donors” (zoos and zoo consortia) linked with marketing strategies and business plans of the two conservation funds and the Protected Areas	Continue development of Zoo Zurich partnership and fundraising efforts. Enhance partnership and develop new partnership efforts and support specific sites.	Strategic meetings with Zoo Zurich aimed at identifying new sources of financing for Masoala; options for financing identified. Development of new partnerships with site funding achieved.	Jan - Dec	USA, Europe, Masoala	CH, HC, RV	Zoo Zurich, Zoo Duet, Madagascar Fauna Group, Edmontom Zoo
	Continue to explore options for developing biodiversity offsets	Options for developing biodiversity offsets exploration continued	Jan - Dec	Antananarivo, regional	Biodiversity Offset working group	Dynatec, Rio Tinto, GOM, Other businesses
4.3.2. Promote greater private sector participation in conservation through debt and equity financing for commercially viable biodiversity businesses and enterprises in Madagascar	Identify specific business opportunities directly related to conservation and help develop markets.	Business opportunities identified; Training opportunities developed to support rural business opportunities	Apr - Sept	Multiple sites	WCS team	Businesses and other donors
	Development, validation, and 'mise en oeuvre' of national ecotourism concession policy	concession policy framework completed and framework validated	Jan - Dec	Antananarivo	VR, RV	Concession Task Force, IFC, GoM
	Prioritize concession sites and initiative procedures with private sector	Provide specific site prospectus to private sector to attract investment	Sept - Nov	Antananarivo	VR, RV, consultants	IFC, Task Force/Steering Committee.

## CONSERVATION ACTION GRANTS IN SUPPORT TO PROTECTED AREAS

During this year 2008, MIARO will take advantage of Conservation International’s structure for providing grants for conservation activities, and especially grants for protected area establishment and management. This activity is included under RM1 – the establishment of New Protected Areas.

Conservation International Madagascar provides grants to partner organizations on the basis of proposals that are received. CI's grants management unit organizes technical and financial reviews of all proposals and the grants committee meets at the end of every month to decide on projects to fund. During 2008, USAID staff will be included in the decision-making grants committee for proposals eligible for MIARO funding. Projects that may be considered for MIARO funding will be those that fit in with the program's overall objectives but we anticipate that they will be focused on protected area creation and management, and climate change issues. CI has also developed a novel small grants program, Nodes, that target local communities and MIARO funds may also be used for these programs.

Conservation Nodes (or Keystones) have become one of Conservation International's primary means for motivating local action to achieve concrete conservation outcomes in Madagascar. The Nodes/Keystone approach involves local communities in conservation, provides economic benefits to local people, and catalyzes an economy based on conservation activity. Nodes/Keystones provide small grants (\$500-\$5000) to community-level associations and organizations to undertake activities that directly contribute to conservation outcomes such as reforestation, ecological monitoring, and environmental education. The Node/Keystone Program is innovative in that it achieves two major objectives simultaneously: Fueling local conservation action, and improving capacity of national NGOs working at the local scale.

The first objective is met through the small grants themselves, and the important local-level conservation success achieved using these resources. The second objective is achieved through the innovative mechanism CI is using to disburse funds. Rather than having a centralized system of grant-making controlled by CI employees in the capital city, Antananarivo, CI has partnered with Malagasy NGOs working in regional centers to receive and review proposals, issue grants, and monitor activities. This mechanism provides Malagasy NGOs with an opportunity to hone their grant management skills as well as build their expertise in supporting conservation tied to development.

To date, CI/Madagascar has provided funds to Nodes/Keystones in seven regions of Madagascar, and is in the process of adding two additional regions.

### III. COORDINATION, MANAGEMENT AND PLANNING ACTIVITIES

#### *Activities Directly Related to Logical Framework*

#### A – STTA/TDY INTERVENTIONS

##### a. Conservation International

Activities/Steps	Targets	Period	Responsible	Locality	Budget Elements
Capacity building to governance structure	Support to Commission SAPM	Jul – Sept	TBD - STTA	Madagascar	Honorary, Per diem, lodging, travel
Development of Carbon Baseline estimations for COFFAV	RM1/RM4	June-July	TBD - STTA	COFFAV	Honorary, Per diem, lodging, travel
Development of REDD PDDs for CAZ and COFFAV carbon offsets	RM1/RM4	July-September	TBD - CI Washington Climate Change Team member -	CAZ/COFFAV	Per diem, lodging, travel

##### b. WCS

Activities/Steps	Targets	Period	Responsible	Locality	Budget Elements
Ecotourism concession policy development	Support to RM4 4.3.2.	January-March	Ray Victorine	Madagascar	Per diem, lodging, travel
Marine Protected Areas policy support	Support to RM1 1.2.4.	April-June	Charlotte de Fontaubert	Madagascar	Honorary, Per diem, lodging, travel
Tany Meva management development	Support to RM4 4.1.1.	April-June	Ray Victorine	Madagascar	Per diem, lodging, travel
Marine Protected Areas policy support	Support to RM1 1.2.4.	April-June	David Obura	Madagascar	Honorary, Per diem, lodging, travel
Marine Protected Areas policy support	Support to RM1 1.2.4.	April-June	TBD - IUCN expert	Madagascar	Honorary, Per diem, lodging, travel

Database of key biodiversity data further developed	Support to RM1 1.2.11.	April-June	Tom Allnutt	Madagascar	Honorary, Per diem, lodging, travel
Freshwater conservation priorities identified	Support to RM1 1.2.4.	July-September	Paul Loiselle - TBD	Madagascar	Per diem, lodging, travel
Database of key biodiversity data further developed	Support to RM1 1.2.11.	April-June	Joseph Maina	Madagascar	Honorary, Per diem, lodging, travel
Development of carbon related projects	Support to RM4 4.2.3.	April-September	VCS - TBD	Madagascar	Honorary, Per diem, lodging, travel
Database of key biodiversity data further developed	Support to RM1 1.2.11.	July-September	Joseph Maina	Madagascar	Honorary, Per diem, lodging, travel
Promote greater private sector participation in conservation - conservation products	Support to RM4 4.3.2.	July-September	TBD	Madagascar	Honorary, Per diem, lodging, travel
Marine Protected Areas policy support	Support to RM1 1.2.4.	October-December	Charlotte de Fontaubert	Madagascar	Honorary, Per diem, lodging, travel
Ecotourism concession policy / Tany Meva / sustainable finance development	Support to RM4	October-December	Ray Victorine	Madagascar	Per diem, lodging, travel

**c. WWF**

<b>Activities/Steps</b>	<b>Targets</b>	<b>Period</b>	<b>Responsible</b>	<b>Locality</b>	<b>Budget Elements</b>
2.1.5. Adaptation of guides and software to SAPM to ensure rapid elaboration of plans and for evaluating	Support to RM2	Second quarter	Jean-Pierre d'Huart	Madagascar	Honorary, Per diem, lodging, travel

management impacts. The guide will be strengthened with PA governance, management structures (including community management of natural resources) and mitigation  2.2.2. Assist DGEEF / DSAP in developing evaluation system for SAPM.		Third quarter			
4.2.4. Support GoM draft proposal and strategy for green surcharge implementation.	Support to RM2	First quarter	Joy Hecht	Madagascar	Honorary, Per diem, lodging, travel
4.2.2. Identify gaps and management plans for payment mechanisms.	Support to RM2	Third quarter	TBD	Madagascar	Honorary, Per diem, lodging, travel

## **B – USAID ALLIANCE ACTIVITIES**

MIARO activities in collaboration with the Alliance seek to find ways of complementing conservation and development activities. For 2008, the regional Alliances will continue to focus on the creation of protected areas, particularly during the public consultations, notably in COFAV, and in delimiting and zoning land use within villages around the new protected areas. For 2008, MIARO will continue to work closely with ERI and JARIALA as well as other stakeholders to integrate the « piste de développement » approach into the consultations to define limits and priority conservation zones within protected areas. This collaboration with the Alliance will provide a better understanding by all Alliance members of the needs of populations effected by the creation of new protected areas and it will allow the identification of appropriate safeguard measures and other economic opportunities for local communities.

## *Support activities*

### **C - MEETINGS**

Periodic meetings among all MIARO Program stakeholders are required to ensure synergy and coordination across activities. These meetings are particularly important to ensure an enhanced way of leading of all activities, as well as to avoid working in isolation for implementation of all environmental activities.

<b>Activities/Steps</b>	<b>Targets</b>	<b>Period</b>	<b>Responsible</b>	<b>Locality</b>	<b>Budget Elements</b>
Steering Committee	CI, WCS, WWF	Monthly	CI (LR, JLM), WCS (HC, CH), WWF (NR)	Antananarivo	Associated costs
MIARO Monthly	USAID, CI, WCS, WWF	Monthly: <ul style="list-style-type: none"> <li>▪ Strategic meeting</li> <li>▪ Monitoring activities</li> </ul>	CI, USAID	Antananarivo	Associated costs
SAPM Committee	SAPM Committee	Weekly	DGEEF	Antananarivo	Associated costs
Finances and Administration	CI, WCS, WWF	Monthly	CI	Antananarivo	Associated costs
USAID administration	CI, WCS, WWF and other AID funded project	Monthly	USAID	Antananarivo	Associated costs

### **D – ACTIVITIES FOLLOW UP AND INTERNAL CONTROL**

<b>Activities/Steps</b>	<b>Targets</b>	<b>Period</b>	<b>Responsible</b>	<b>Locality</b>	<b>Budget Elements</b>
Internal control	1 visit per organization/office Subgrantees: <ul style="list-style-type: none"> <li>▪ WCS Office</li> <li>▪ WWF Office</li> </ul>	Jun – Dec	CI	Antananarivo	

## E - REPORTS

Activities/Steps	Targets	Period	Responsible	Locality	Budget Elements
Financial report	4 Financial reports	Feb, May, Jul, Nov	CI, WCS, WWF	CI DC	Management fees
Annual Performance report	1 Annual report	Dec	CI, WCS, WWF	CI MAD	Management fees
Semi-Annual progress report	1 Semi-Annual report	June	CI, WCS, WWF	CI MAD	Management fees
Short Term consultants reports	At end of SITTA missions	Jan – Dec	CI, WCS, WWF	CI MAD	Management fees
Annual inventory of commodities	1 inventory report	Dec	CI, WCS, WWF	CI MAD	Management fees

## F – MATERIALS & EQUIPMENTS ACQUISITION

### a. Conservation International

Activities/Steps	Targets	Period	Responsible	Locality	Budget Elements
Information Technology	3 desktops, 1 scanner	Jan - Dec	CI	Antananarivo	
Field equipment	(1) Balance (2) Quinte decamètre (2) Triple decamètre (4) DBH mètre (1) Gaule (piquet gradué) (1) GPS (1) Clinometer (2) Secateur (1) Tarrière (soil probe) (1) Machette (5) Etiquette (20) Flags (8) Notebook	Jan - Dec	CI	Antananarivo	

	(4) Pen (8) Pen (recharge)				
Software	(1) Erdas imagine (1) Idrisi Andes (1) Google earth	Jan - Dec	CI	Antananarivo	
Landsat images	(12) Landsat (4) additionnal Landsat	Jan - Dec	CI	Antananarivo	
Office equipment	Office supplies	Jan – Dec	CI	Antananarivo	

**b. WWF**

Activities/Steps	Targets	Period	Responsible	Locality	Budget Elements
Office equipment	▪ Office supplies	Jan – Dec	WWF	Antananarivo	

**c. WCS**

Activities/Steps	Targets	Period	Responsible	Locality	Budget Elements
Office equipment	▪ Office supplies	Jan – Dec	WCS	Antananarivo	

**G – MIARO TRAVEL PLAN 2008**

Travel between Madagascar and different countries abroad are planned for 2008. These trips will concern STTA and/or TDY who will bring their knowledge and their support to the Durban Vision Group. Also, some trips will be made by different MIARO staff and concerned government authorities to present or to relate the project progress. This travel plan is shown with the workplan to let allow USAID to provide prior approval for all predetermined trips. Some international trips will occur in 2007 and MIARO will address prior approvals from USAID depending on the needs.

**a. Conservation International**

Origin	Destination	Purpose	Estimated Period	Number of trips	Participants
Italy	Madagascar	Support to Commission SAPM	Jul – Sept	1	IUCN
Madagascar	Bolivia/Peru	Community management exchange/learning visit	April-May	1	2 DGEEF, 2 MIARO
USA	Madagascar	Development of Carbon	June-July	1	STTA - TBD

		Baseline estimations for COFFAV			
USA	Madagascar	Development of REDD PDDs for CAZ and COFFAV carbon offsets	July-September	1	TBD – CI TDYer

**b. WCS**

Origin	Destination	Purpose	Estimated Period	Number of trips	Participants
USA	Madagascar	RM4 implementation and management - as specifically relates to carbon offsets, biodiversity offsets, Tany Meva strategic development, ecotourism policy development	March, July, November	3	Ray Victorine
USA	Madagascar	Finalization of MCPA policy, MCPA priority setting, and development of marine PA and reserve ecological monitoring program	May, October	2	Charlotte de Fontaubert
East Africa	Madagascar	Finalization of MCPA policy, MCPA priority setting, and development of marine PA and reserve ecological monitoring program	May-June	1	David Obora
TBD	Madagascar	Finalization of MCPA policy, MCPA priority setting, and development of marine PA and reserve ecological monitoring program	May-June	1	TBD (Herilala and Charlotte de Fontaubert are point)
TBD	Madagascar	SAPM priority setting assistance to Rebioma and development of digital atlas	April-May	1	Tom Allnutt

<b>Origin</b>	<b>Destination</b>	<b>Purpose</b>	<b>Estimated Period</b>	<b>Number of trips</b>	<b>Participants</b>
TBD	Madagascar	SAPM priority setting assistance to Rebioma and development of digital atlas	June-July	1	Joseph Maina
USA	Madagascar	Further development of freshwater conservation priority setting in collaboration with Rebioma	August-September	1	Paul Loiselle
TBD	Madagascar	Further development of carbon related projects in Madagascar based on VCS accreditation	June-July	1	TBD (Ray Victurie is point)
USA	Madagascar	Continued promotion of greater private sector participation in conservation - conservation products as sustainable economic development linked to community conservation efforts	July-September	1	TBD (Ray Victurie is point)
USA	Madagascar	Participation in PES workshop - presentation of SAPM economic valuation study results and national framework components	November	1	Michael Masozera
USA	Madagascar	progress in zoo-based financing, biodiversity offsets as finance mechanism, carbon offsets as financing mechanism for conservation in Madagascar	September-November	1	Helen Crowley

**c. WWF**

<b>Origin</b>	<b>Destination</b>	<b>Purpose</b>	<b>Estimated Period</b>	<b>Number of trips</b>	<b>Participants</b>
Belgium	N/A	2.1.5. Adaptation of guides and	Second quarter	0	Jean-Pierre d'Huart

		software to SAPM to ensure rapid elaboration of plans and for evaluating management impacts. The guide will be strengthened with PA governance, management structures (including community management of natural resources) and mitigation  2.2.2. Assist DGEEF / DSAP in developing evaluation system for SAPM.	Third quarter	0	
USA	Madagascar	4.2.4. Support GoM draft proposal and strategy for green surcharge implementation.	First quarter	1	Joy Hecht
TBD	Madagascar	4.2.2. Identify gaps and management plans for payment mechanisms.	Third quarter	0 (= 1 travel not paid by Miaro funds)	TBD (WWF TDY if possible)

## **H – CLOSE-OUT**

The Project Close-Out period will occur from January – March 2009. This period will include developing the financial and technical reports necessary to terminate the program.

In the technical report we will highlight the lessons learned during the five years of project implementation. These lessons will be drawn from all aspects of activity implementation including working with partners, field-level interventions, and support to the government. These insights can be used to reflect on future strategies or to reorient future USAID investments related to conservation in Madagascar. Developing these reports will involve ensuring that all supporting documents (e.g., consultant reports) are on file, and holding meetings and workshops with field teams, the Ecoregional Alliances, and partners and all levels to collect and compile insights, reflections, and recommendations.

Developing the financial report will consist of closing all accounts and ensuring all receipts and other necessary expenditure-related documents are on file.

The close-out period will also involve submitting requests regarding equipment return or granting to local partners.

These reports will be presented during a workshop to USAID, the government, and all other Miaro partners.

## IV. BUDGET AND FINANCING NEEDS

The budget presented here is for the implementation of the overall Leadership with Associates Grant under MIARO Program for year 2008 and 3 months of 2009.

Budget Lines	Initial Budget (US\$)	Actual expenditures as of December 31, 2007	Project Budget 2008 – 2009 (US\$)
A. FIELD PERSONNEL	338,885	270,661	225,579
B. HOME OFFICE PERSONNEL	42,925	0	0
C. SHORT-TERM TECHNICAL ASSISTANCE	310,236	258,449	108,970
D. TRAVEL & PER DIEM	111,900	355,886	194,560
F. TRAINING/WORKSHOP	281,000	85,391	61,376
G. OTHER DIRECT COSTS	183,959	158,603	140,528
H. INDIRECT COSTS	370,266	256,527	175,443
I. EQUIPMENT	25,000	27,163	0
J. SUBGRANTS			
WWF	1,135,045	689,448	516,190
WCS	1,200,760	979,576	631,862
ANGAP	2,000,000	337,724	0
Other grants	0	26,040	500,000
<b>TOTAL</b>	<b>\$5,999,976</b>	<b>\$3,445,468</b>	<b>\$2,554,508</b>

## **APPENDICES**

- Annex 1: Annual Workplan Table
- Annex 2: Project budget CI
- Annex 3: Project budget WCS
- Annex 4: Project budget WWF

# APPENDICES