



Global Environmental Fund



United Nations Development  
Programme

### United Nations Development Programme

Country: Mozambique

#### Annual Work Plan (AWP 2013) for the Project Adaptation in the coastal zones of Mozambique

**UNDAF Outcome(s):** #3: Sustainable and effective management of natural resources and disaster Risk reduction benefit all people in Mozambique, particularly the most vulnerable.

**UNDP Strategic Plan Environment and Sustainable Development Primary Outcome:** Strengthened capacity of developing countries to mainstream climate change adaptation policies into national development plans.

**UNDP Strategic Plan Secondary Outcome:** MDG-based national development strategies promote growth and employment and reduce economic, gender and social inequalities.

**Expected CP Outcome(s):**

*(Those linked to the project and extracted from the country programme document)*

3.1 Institutions strengthened to develop and improve policies, strategies and plans for climate change, environmental management, and disaster risk reduction.

3.2 Integrated info systems strengthened for decision-making on disaster risk reduction, climate change and environmental management

**Implementing Partner:** MICOA

**Responsible Partners:** INGC, MINAG, (DNAE, SDAE), MAE(DNPDR), IIAM, INAM, UNCDF

### Brief description

The coastal zone of Mozambique is likely to experience significant impacts as a result of climate change in the course of this century, even if the efforts expected from the international community to stabilize atmospheric greenhouse gas concentrations eventuate. Mean sea levels are expected to rise, wave climates are likely to alter; and the frequency and intensity of storms are projected to change.

More than 60% of the population lives in coastal areas either in urban or rural settings, placing significant pressure on coastal resources and natural capital. The combination of the inherent dynamic nature of coastlines, exposure to destructive maritime hazards, SLR, inadequate land-use planning and high population pressure on natural resources in coastal zones renders the Mozambican coastline highly vulnerable to the impacts of climate change, particularly climate change-induced coastal erosion. Ecosystem services, for example, those provided by mangrove swamps, dune systems and coral reefs, are critical in providing resilience against SLR and destructive maritime hazards (storm surges, tsunamis and tropical cyclones). So too is addressing the widespread poverty in coastal areas, which drives much of the degradation of ecosystems. Managed retreat, accommodation and protection are the three types of strategies available to manage sea level rise and storm surges. Each of the pilot sites has a specific set of problems and circumstances that render one of these three strategies more or less suitable. Recommendations are contained in section 2.2 and annex 5. In addition, addressing the vulnerability of communities is critical in helping to relieve pressure on ecosystem resources. Livelihoods diversification is a key aspect of this project.

The project will tackle barriers in relation to weak inter-sectoral policy coordination and development, low institutional and individual capacity to plan for climate change, and financial constraints.

The project has two Outcomes relating to the development of adaptive capacity to manage the effects of climate change on coastal resources. The project has four indicators and targets that measure adaptive capacity, in line with the GEF V Results Framework. The project will support the development of human, social, natural, physical and financial capitals to enable communities and government to continue the results delivered with this project grant.

Programme Period: 2012 - 2015  
Atlas Award ID: 00062383  
Project ID: 0079862  
PIMS # 4069  
Start date: 1 January 2012  
End Date: 30 September 2015  
Management Arrangements NIM

Estimated Project Budget (AWP 2013): (USD 913 176,00)

AWP 2013: approved budget: (USD 913 176, 00)



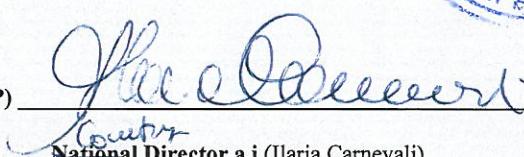
Agreed by MICOA - DNGA (Implementing Partner)

Date 14/02/2013

National Director (Anselmina L. Liphola)

Agreed by (UNDP)

Date

  
Signature of Ilaria Carnevali, National Director a.i.

14/02/13

National Director a.i (Ilaria Carnevali)



**Table 1: Mozambique Annual Work Plan 2013 – Adaptation in the coastal zones of Mozambique**

**AWP 2013: Adaptation in the Coastal Zones of Mozambique**

Project ID Expected Outputs & key Activities	Period				Responsible party	Fund	Donor	Budget description	Amount (\$)	Notes vs. Comments \$						
	Q1	Q2	Q3	Q4												
<b>OUTCOME 1: Coastal climate change risks integrated into key decision-making processes at the local, sub-national and national levels</b>																
<b>Output 1.1. A dynamic monitoring system for dunes</b>																
1.1.1. Create an integrated system for monitoring of coastal zone of pilot sites, with community involvement, in particular women and youth, to monitor key parameters such as shoreline change. (USD 60300)	X	X			MICOA			71200 International consultants	4000							
	X				MICOA			71300 Local consultant	50000							
	X				MICOA			72100 Contractual services (Companies)	2000							
	X				MICOA			72500 Supplies	2000							
	X				MICOA			74200 Audiovisual & Print production costs	2000							
	X				MICOA			74500 Miscellaneous	300							
1.1.2 Training of field officers in GIS mapping and in conducting community level vulnerability assessments; (USD 45800)	X	X			MICOA			71200 International consultants								
	X	X			MICOA			71300 Local consultant	3000							

	X	X	MICOA		72100 Contractual services (Companies)	2000	
	X	X	MICOA	71300 Local Consultant	34500		
	X	X	MICOA	71600 Travel	4000		
	X	X	MICOA	72500 Supplies	2000		
	X	X	MICOA	74200 Audiovisual & Print production costs	200		
	X	X	MICOA	74500 Miscellaneous	100		
1.1.3. Installation of meteorological equipment to measure climate parameters (USD 87300)	X	X	INAM	71200 International consultants			
	X	X	INAM	71300 Local consultant	30000		
	X	X	INAM	72100 Contractual services (Companies)	50000		
	X	X	INAM	71600 Travel	5000		
	X	X	INAM	72500 Supplies	2000		
	X	X	INAM	74200 Audiovisual & Print production costs	200		
	X	X	INAM	74500 Miscellaneous	100		
<b>Output 1.2. A Climate Change Risk Information Centre made operational within an existing institution to facilitate production of climate risk assessments in other coastal zones in Mozambique (INGC)</b>							
1.2.1 Convene cross-ministerial meeting to agree where climate change risk information data centre is to be located; (USD 3300)	X	X	INGC	71200 International consultants	0		
	X	X	INGC	71300 Local consultant	0		
	X		INGC	72100 Contractual services (Companies)	0		
	X	X	INGC	72500 Supplies	1000		
	X		INGC	74200 Audiovisual & Print production costs	2200		
	X	X	INGC	74500 Miscellaneous	100		
1.2.2 Identify major data gaps for a climate risk reduction planning process; (USD3 2300)	X	X	INGC	71200 International consultants	0		
	X	X	INGC	71300 Local consultant	31000		



	X	X	INGC		74200 Audiovisual & Print production costs	0
1.3.2. Develop community-based climate risk mapping and a dynamic GIS integrating SLR, winds, beach erosion and changes in the coastal zone, and water quality parameters under different climate scenarios and together with land use. <b>(USD 14100)</b>	X	X	INGC/INA HINA	74500 Miscellaneous consultants	100	
	X	X	INGC/INA HINA	71200 International consultants	5000	
	X	X	INGC/INA HINA	71300 Local consultant	2000	
	X	X	INGC/INA HINA	72100 Contractual services (Companies)	5000	
	X	X	INGC/INA HINA	72500 Supplies	2000	
	X	X	INGC/INA HINA	74200 Audiovisual & Print production costs	0	
	X	X	INGC/INA HINA	74500 Miscellaneous	100	
1.3.3. Scenarios for SLR and induced coastal erosion in Mozambique assessed on the basis of local expertise (Provincial offices of INGC and MICOA, UEM and others), regional and global Climate Change models, downscaling and extending results work into the three specific Provinces of concern to this project: Pemba, Zambezia and Inhambane; <b>(USD 114600)</b>	X	X	INGC	71200 International consultants	3000	
	X	X	INGC	71300 Local consultant	2500	
	X	X	INGC	72100 Contractual services (Companies)	5000	
	X	X	INGC	71600 Travel	2000	
	X	X	INGC	72500 Supplies	2000	
	X	X	INGC	74200 Audiovisual & Print production costs	0	
	X	X	MICOA	71300 Local Consultant	100000	
	X	X	INGC	74500 Miscellaneous	100	
	X	X	INGC	71200 International consultants	2000	
	X	X	INGC	71300 Local consultant	2000	
	X	X	INGC	72100 Contractual services (Companies)	3000	
	X	X	INGC	71600 Travel	2000	
	X	X	INGC	72500 Supplies	1000	
1.3.4. Develop coastal risk profiles based on community-level data and using GIS techniques and integrated modelling exercises for 100-year return period and other ancillary data; <b>(USD 10200)</b>						

	X	X	NGC		74200 Audiovisual & Print production costs	0
	X	X	NGC		74500 Miscellaneous	200
1.3.5 Establish conservative long-term erosion shoreline retreat value and other key erosion hazards to help land use planning in coastal areas. (USD 10500)	X	X	NGC		71200 International consultants	
	X	X	NGC		71300 Local consultant	6500
	X	X	NGC		72100 Contractual services (Companies)	3000
	X	X	NGC		72500 Supplies	1000
	X	X	NGC		74200 Audiovisual & Print production costs	300
	X	X	NGC		74500 Miscellaneous	200
<b>Output 1.4 Land-use planning guidelines developed that incorporate the coastal erosion risk profiles. (MICOA</b>			MICOA		71200 International consultants	
1.4.1 Review current land use planning guidelines and processes (fragmented across different sectors and government departments) to identify gaps and shortfalls; (USD 2500)	X	X	MICOA		71300 Local consultant	0
	X	X	MICOA		72100 Contractual services (Companies)	
	X	X	MICOA		71600 Travel	1000
	X	X	MICOA		72500 Supplies	1000
	X	X	MICOA		74200 Audiovisual & Print production costs	300
	X	X	MICOA		74500 Miscellaneous	200
1.4.2 Convene Government meetings to discuss how the results of the climate risk and vulnerability profiles should be used to adjust regulations and policies governing the coastal zone; (USD 1500)	X	X	MICOA		71200 International consultants	
	X	X	MICOA		71300 Local consultant	0
	X	X	MICOA		72100 Contractual services (Companies)	
	X	X	MICOA		72500 Supplies	1000
	X	X	MICOA		74200 Audiovisual & Print production costs	300
	X	X	MICOA		74500 Miscellaneous	200
1.4.3 Carry out training needs analysis for each relevant Ministry and deliver	X	X	MICOA		71200 International	0

X	X	MICOA	71300 Local consultant	0		
X	X	MICOA	72100 Contractual services (Companies)	0		
X	X	MICOA	72500 Supplies	1000		
X	X	MICOA	74200 Audiovisual & Print production costs	0		
X	X	MICOA	74500 Miscellaneous	200		
			71200 International consultants			
			71300 Local consultant	0		
			72100 Contractual services (Companies)	0		
			71600 Travel	2000		
			72500 Supplies	1000		
			74200 Audiovisual & Print production costs	300		
			74500 Miscellaneous	200		
<b>Output 1.4 Toolkit developed outlining methodologies used to assess climate change risks, adaptation planning and implementation, cost effectiveness analysis and a replication plan for Mozambique. (INGC).</b>						
			INGC		71200 International consultants	0
			INGC		71300 Local consultant	0
			INGC		72100 Contractual services (Companies)	0
			INGC		72500 Supplies	1000
			INGC		74200 Audiovisual & Print production costs	0
			INGC		74500 Miscellaneous	100
			INGC		71200 International consultants	0
			INGC		71300 Local consultant	0

X	X	NGC		72100 Contractual services (Companies)	0	
X	X	NGC	71600 Travel		0	
X	X	NGC	72500 Supplies		1000	
X	X	NGC	74200 Audiovisual & Print production costs		0	
X	X	NGC	74500 Miscellaneous		100	
1.5.3 Convene a stakeholder meeting to validate toolkit messages. (USD 1100)		NGC	71200 International consultants		0	
	X	NGC	71300 Local consultant			
	X	NGC	72100 Contractual services (Companies)		0	
	X	NGC	71600 Travel		0	
	X	NGC	72500 Supplies		1000	
	X	NGC	74200 Audiovisual & Print production costs		0	
	X	NGC	74500 Miscellaneous		100	

**Output 1.6. Agricultural extension Services trained to support vulnerable communities in Pemba, Pebane and Závora to transition to climate-resilient livelihoods (MINAG; INAM; IIAM).**

X	X	MINAG/N AM/IIAM	71200 International consultants			
X	X	MINAG/N AM/IIAM	71300 Local consultant		0	
X	X	MINAG/N AM/IIAM	72100 Contractual services (Companies)		1000	
X	X	MINAG/N AM/IIAM	71600 Travel		2000	
X	X	MINAG/N AM/IIAM	72500 Supplies		1000	
X	X	MINAG/N AM/IIAM	74200 Audiovisual & Print production costs		0	
X	X	MINAG/N	74500 Miscellaneous		100	

1.6.2 Develop a training programme to be delivered to agricultural extension officers working within SDAE to aid the adaptation of extension techniques to allow for climate change risks and impacts; ( <b>USD 4100</b> )	X	X	AM/IIAM MINAG/N AM/IIAM	71200 International consultants	0		
	X	X	MINAG/N AM/IIAM	71300 Local consultant	0		
	X	X	MINAG/N AM/IIAM	72100 Contractual services (Companies)	1000		
	X	X	MINAG/N AM/IIAM	71600 Travel	2000		
	X	X	MINAG/N AM/IIAM	72500 Supplies	1000		
	X	X	MINAG/N AM/IIAM	74200 Audiovisual & Print production costs	0		
	X	X	MINAG/N AM/IIAM	74500 Miscellaneous	100		
1.6.3 Deliver climate based (risk and opportunities) Extension Service (CES) package to strengthen/develop the capacity of vulnerable local communities and local disaster risk management communities in Pemba, Pebane and Inharrime ( <b>USD 1100</b> )	X	X	MINAG/N AM/IIAM	71200 International consultants	0		
	X	X	MINAG/N AM/IIAM	71300 Local consultant	0		
	X	X	MINAG/N AM/IIAM	72100 Contractual services (Companies)	0		
	X	X	MINAG/N AM/IIAM	72500 Supplies	1000		
	X	X	MINAG/N AM/IIAM	74200 Audiovisual & Print production costs	0		
	X	X	MINAG/N AM/IIAM	74500 Miscellaneous	100		
<b>Output 1.7. Partnership established between INAM- Agro met Advisory Service (AAS), CES and the Media Institute (ICS) to broadcast through community radio climate forecasts and adaptation advice (MINAG; IIAM, INGC</b>							
1.7.1 Tailored Agro met Advisory Service (AAS), including climate forecasts and adaptation advice for coastal communities produced with partnership between CES and INAM; ( <b>USD6300</b> )		X	X	MINAG/IIA M/INGC	71200 International consultants	2000	
		X	X	71300 Local consultant	0		
		X	X	72100 Contractual services (Companies)	3000		
		X	X	72500 Supplies	1000		

		X	X	MINAG/IIA M/INGC			74200 Audiovisual & Print production costs	200	
		X	X	MINAG/IIA M/INGC			74500 Miscellaneous	100	
	1.7.2 Tailored AAS, climate forecasts and adaptation advice broadcast through ICS community radio network; (USD 1300)	X	X	MINAG/IIA M/INGC			71200 International consultants	0	
		X	X	MINAG/IIA M/INGC			71300 Local consultant	0	
		X	X	MINAG/IIA M/INGC			72100 Contractual services (Companies)	0	
		X	X	MINAG/IIA M/INGC			72500 Supplies	1000	
		X	X	MINAG/IIA M/INGC			74200 Audiovisual & Print production costs	200	
		X	X	MINAG/IIA M/INGC			74500 Miscellaneous	100	
	<b>Total Outcome 1</b>						<b>354500</b>		
	<b>OUTCOME 2 Adaptive capacity of coastal communities improved and coastal zone resilience to climate change enhanced.</b>								
	<b>Output 2.1 Micro-financing extended to each of the seven project sites in Pemba, Pebane and Inharrime, to disburse adaptation financing and capacity development for livelihood enhancement and diversification, to reduce vulnerability to climate change. (UNCDF).</b>								
	2.1.1. Toolkit developed outlining methodology approach and support used to implement microfinance component (Mapping of partners Concept note, training plan, manual of procedures) (USD 26000)	X	X			UNCDF	71300 Local consultant	10000	
		X	X			UNCDF	72100 Contractual services (Companies)	13000	
		X	X			UNCDF	71600 Travel	1000	
		X	X			UNCDF	74500 Miscellaneous	2000	
	2.1.2. Call for proposals launched for MFIs to offer financial products (i.e. credit, savings) tailored to the identified adaptation needs of the local communities) (USD 8000)		X	X		UNCDF	71300 Local consultant	2000	
			X	X		UNCDF	72100 Contractual services (Companies)	5000	
			X	X		UNCDF	71600 Travel	1000	
			X	X		UNCDF	74500 Miscellaneous	0	
	2.1.3. Carry out financial, organizational, and institutional assessment for all	X	X			UNCDF	71300 Local	2000	

bidders received; (USD 8000)								
	X				72100 Contractual services (Companies)	3000		
	X				71600 Travel	1000		
	X				74500 Miscellaneous	2000		
2.1.4. Signing of a performance-based contract with UNCDF to transfer the grant to the MFIs; ( grant for FSP and national expert recruited) (USD 126436)	X	X	UNCDF		71300 Local consultant	20000		
	X	X	UNCDF		72100 Contractual services (Companies)	105436		
	X	X	UNCDF		71600 Travel	1000		
	X	X	UNCDF		74500 Miscellaneous	0		
2.1.5. Provide trainings/technical assistance to the local communities to acquire the skills and tools for sustainable and increased income generating activities (USD 11000)	X	X	UNCDF		71300 Local consultant	5000		
	X	X	UNCDF		72100 Contractual services (Companies)	5000		
	X	X	UNCDF		71600 Travel	1000		
	X	X	UNCDF		74500 Miscellaneous	0		
2.1.6. Provide technical assistance to MFIs to enable them to offer financial products targeted at reducing vulnerability to climate change as well as social protection services/mechanisms such as micro-insurance to reduce vulnerability to climate change. (USD 8000)	X	X	UNCDF		71300 Local consultant	5000		
	X	X	UNCDF		72100 Contractual services (Companies)	2000		
	X	X	UNCDF		71600 Travel	1000		
	X	X	UNCDF		74500 Miscellaneous	0		
<b>Output 2.2 Adaptation investment plan developed for each of the seven pilot sites in Pemba, Pebane and Inharrime for community-level CCA measures such as small-scale infrastructure and ecosystem-based measures. (MICOA).</b>								
2.2.1 Convene community meetings to rehearse the recommendations from the PPG phase and get feedback on process for moving forward to final selection of community-level adaptation measures; (USD 8000)	X	X	X	X	MICOA	71300 Local consultant	2000	
	X	X	X	X	UNCDF	72100 Contractual services (Companies)	3000	
	X	X	X	X	UNCDF	71600 Travel	1000	
	X	X	X	X	MICOA	74500 Miscellaneous	2000	
2.2.2 Based on short-listed options in the CZM report and the VCA, identify final list of CCA options to be funded by grant for each pilot area (i.e. public goods) based on cost-effectiveness and feasibility analysis; (USD 3000)	X	X	X	X	MICOA /UNCDF	71300 Local consultant	2000	
	X	X	X	X	MICOA /UNCDF	72100 Contractual services (Companies)	0	
	X	X	X	X	MICOA	71600 Travel	1000	

2.2.3 Scope out capacity development needs for implementation of adaptation measures; <b>(USD 7000)</b>	X	X	/UNCDF MICOA /UNCDF	74500 Miscellaneous 71300 Local consultant	0 2000		
	X	X	MICOA /UNCDF	72100 Contractual services (Companies)	3000		
	X	X	MICOA /UNCDF	71600 Travel	1000		
	X	X	MICOA /UNCDF	74500 Miscellaneous 71300 Local consultant	1000 30240		
2.2.4 Produce appropriate training materials and deliver training; <b>(USD 34240)</b>	X	X	UNCDF	72100 Contractual services (Companies)	3000		
	X	X	X	UNCDF	71600 Travel	1000	
	X	X	X	UNCDF	74500 Miscellaneous 71300 Local consultant	0 2000	
2.2.5 Deliver additional support as needed. <b>(USD 118000)</b>	X	X	X	UNCDF	72100 Contractual services (Companies)	0	
	X	X	X	MICOA	72200 Equipment & Furniture	100000	
	x	x	x	UNDP	71300 Local Consultant	15000	
	X	X	X	UNCDF	71600 Travel	1000	
	X	X	X	UNCDF	74500 Miscellaneous 71300 Local	0 2000	
<b>Output 2.3 Priority community-based adaptation projects implemented among 10,000 households in the seven pilot sites in Pemba, Pebane and Inharrime, focused on resilient livelihoods and community-level adaptation measures, including ecosystem protection and enhancement (UNCDF; MICOA).</b>							
2.3.1 Provision of technical support in the design of communities' selected community-level adaptation measures; <b>(USD 21000)</b>	X	X	X	MICOA	71300 Local consultant	10000	
	X	X	X	MICOA	72100 Contractual services (Companies)	10000	
	X	X	X	UNCDF	71600 Travel	1000	
	X	X	X	UNCDF	74500 Miscellaneous 71300 Local	0 2000	
2.3.2 Agreement reached with communities on contribution to the projects, and	X	X	X	MICOA/UN			

management plan for future operation including maintenance costs; (USD 3000)							
	X	X	X	MICOA/UN CDF		72100 Contractual services (Companies)	0
	X	X	X	MICOA/UN CDF	71600 Travel	1000	
	X	X	X	MICOA/UN CDF	74500 Miscellaneous	0	
2.3.3. Equipment, tools and material purchased; (USD 1900)	X	X	X	MICOA/UNCDF	71300 Local consultant	3000	
	X	X	X	MICOA/UNCDF	72100 Contractual services (Companies)	12000	
	X	X	X	MICOA/UNCDF	71600 Travel	2000	
	X	X	X	MICOA/UNCDF	74500 Miscellaneous	2000	
2.3.4. Systematic follow up on-site. (USD 2000)	X	X	X	MICOA/UNCDF	71300 Local consultant	0	
	X	X	X	MICOA/UNCDF	72100 Contractual services (Companies)	0	
	X	X	X	MICOA/UNCDF	71600 Travel	2000	
	X	X	X	MICOA/UNCDF	74500 Miscellaneous	0	
<b>Output 2.4 Learning and results disseminated to promote replication through public awareness campaigns, exposure visits and national workshop (MICOA</b>							
2.4.1 Public awareness campaign for community residents of Pemba, Pebane and Inharrime on climate change risks and costs and benefits of different adaptation options; (USD 4000)	X	X	X	MICOA	71300 Local consultant	2000	
	X	X	X	MICOA	72100 Contractual services (Companies)	0	
	X	X	X	MICOA	71600 Travel	2000	
	X	X	X	MICOA	74500 Miscellaneous	0	
2.4.2 Project website set up in year 1 to promote awareness and understanding of the project objective and methodology. (USD 7000)	X	X	X	MICOA	71300 Local consultant	3000	
	X	X	X	MICOA	72100 Contractual services (Companies)	2000	
	X	X	X	MICOA	71600 Travel	1000	
	X	X	X	MICOA	74500 Miscellaneous	1000	

