

Five Priority Programmatic Areas for climate financing in Botswana

	Programmatic Area	Elements of the Programme	GCF Target Result Areas	Key partners
1.	Energy Efficient, Clean Technology and Renewable Energy Development	<ul style="list-style-type: none"> • Energy efficiency <ul style="list-style-type: none"> ✓ Energy efficient buildings and water supply. ✓ Partial modal shift in the transport sector. ✓ Energy-efficient lamps, air conditioners and solar and electrical cooking stoves in residential and commercial sectors. ✓ Energy-efficient electric motors and diesel boilers in industrial sector. ✓ Efficient diesel tractors in agriculture sector. 	<ul style="list-style-type: none"> • Buildings, cities, industries and appliances (Mitigation). 	<ul style="list-style-type: none"> • Ministry of Environment, Natural Resources Conservation & Tourism • Ministry of Mineral Resources, Green Technology and Energy Security (MMEWR) • Ministry of Agriculture (MoA) • Private sector • Consumers
		<ul style="list-style-type: none"> • Clean Technologies <ul style="list-style-type: none"> ✓ Clean coal. ✓ Clean and energy saving cooking stoves. ✓ Solar fish drying facilities 	<ul style="list-style-type: none"> • Energy access and power generation (Mitigation). • Health and well-being (Adaptation/mitigation). 	<ul style="list-style-type: none"> • MMEWR • Ministry of Local Government & Rural Development • Private sector
		<ul style="list-style-type: none"> • Renewable energy development <ul style="list-style-type: none"> ✓ 100 MW solar plant/farm with transmission line ✓ 20 Mini-/off-grid solar plants ✓ Solar-powered small-scale irrigation systems and livestock watering. 	<ul style="list-style-type: none"> • Energy access and power generation (Mitigation). • Health and well-being, and food and water security (Adaptation/mitigation). 	<ul style="list-style-type: none"> • MMEWR • Private sector • Ministry of Local Government & Rural Development • Communities • MoA
2.	Agriculture-Water-Natural Resources Management-Renewable Energy	<ul style="list-style-type: none"> • Agriculture <ul style="list-style-type: none"> ✓ Increase production and productivity thro' CSA and indigenous agricultural approaches. ✓ Improve access to climate smart input/output markets. 	<ul style="list-style-type: none"> • Health and well-being, and food and water security (Adaptation/mitigation). • Forestry and land use (Mitigation). 	<ul style="list-style-type: none"> • MoA • Communities • Private sector (Service providers)

		<ul style="list-style-type: none"> ✓ Enteric abatement thro' fodder and other livestock feeds. 		
		<ul style="list-style-type: none"> • Sustainable water and natural resources management <ul style="list-style-type: none"> ✓ Water conservation techniques incl. aquifer recharging. ✓ Solar-powered small-scale irrigation systems and livestock watering. ✓ CBNRM ✓ Rehabilitation of degraded lands. 	<ul style="list-style-type: none"> • Health and well-being, and food and water security (Adaptation/mitigation). • Ecosystems and ecosystem services (Adaptation/mitigation). 	<ul style="list-style-type: none"> • Ministry of Land Management, Water and Sanitation Services • Ministry of Environment, Natural Resources Conservation & Tourism • MMEWR • Private sector (Service providers) • Communities
		<ul style="list-style-type: none"> • Energy efficiency, clean technologies and renewable energy <ul style="list-style-type: none"> ✓ Mini-/off - grid solar systems ✓ Localized hybrid solar-biogas plants. ✓ Clean and energy saving stoves. ✓ Solar fish drying facilities. 	<ul style="list-style-type: none"> • Energy access and power generation (Mitigation) • Health and well-being (Adaptation). 	<ul style="list-style-type: none"> • MMEWR • Ministry of Local Government & Rural Development • Private sector (Service providers) • Communities
		<ul style="list-style-type: none"> • Climate information services <ul style="list-style-type: none"> ✓ Strengthening hydro-meteorological information delivery services incl. EWS. ✓ Preparations of downscaled climate change projections and impact scenarios for policy development and further impact analyses at the sector level. 	<ul style="list-style-type: none"> • Most vulnerable people and communities (Adaptation) 	<ul style="list-style-type: none"> • Department of Meteorological Services (DMS) • MoA
3.	Agriculture Forestry and Other Land Use (AFOLU)	<ul style="list-style-type: none"> • Agriculture <ul style="list-style-type: none"> ✓ Increase production and productivity thro' CSA and indigenous agricultural approaches. ✓ Improve access to climate smart inputs/outputs markets. 	<ul style="list-style-type: none"> • Health and well-being, and food and water security (Adaptation/mitigation). • Energy access and power generation (Mitigation). 	<ul style="list-style-type: none"> • MOA • Ministry of Local Government & Rural Development • DMS

		<ul style="list-style-type: none"> ✓ Enteric abatement thro' fodder and other livestock feeds ✓ Solar-powered small-scale irrigation systems. ✓ Strengthening hydro-meteorological information delivery services incl. EWS. ✓ Preparations of downscaled climate change projections and impact scenarios for policy development and further impact analyses at the sector level. 	<ul style="list-style-type: none"> • Most vulnerable people and communities (Adaptation). 	<ul style="list-style-type: none"> • Private sector (Service providers) • Communities
		<ul style="list-style-type: none"> • Develop and implement National REDD+ Strategy: <ul style="list-style-type: none"> ○ Sustainable forest management ○ Address drivers of deforestation – e.g., as energy source: <ul style="list-style-type: none"> +20 Mini-/off-grid solar plants. +Clean and energy saving stoves. ○ Enhance carbon stocks <ul style="list-style-type: none"> + Agroforestry + Reforestation 	<ul style="list-style-type: none"> • Forestry and land use (Mitigation). • Energy access and power generation (Mitigation). • Health and well-being (Adaptation/mitigation). 	<ul style="list-style-type: none"> • Ministry of Environment, Natural Resources Conservation & Tourism (MENRCT) • Ministry of Local Government & Rural Development • Communities • Private sector
		<ul style="list-style-type: none"> • Rehabilitation and restoration of rangelands <ul style="list-style-type: none"> ○ Agroforestry and Reforestation ○ Enteric abatement thro' fodder and other livestock feeds. ○ Greening the tourism sector thro' ecotourism. ○ Restoration of croplands and rangelands through integration of indigenous agricultural practices and CSA technologies 	<ul style="list-style-type: none"> • Forestry and land use (Mitigation). • Buildings, cities, industries and appliances (Mitigation). 	<ul style="list-style-type: none"> • MENRCT • Ministry of Local Government & Rural Development (MLGRD) • Communities
4.	Ecosystem-Based Adaptation	<ul style="list-style-type: none"> • Building resilient ecosystems <ul style="list-style-type: none"> ✓ Restoration and management of ecosystems including IWRM and 	<ul style="list-style-type: none"> • Ecosystems and ecosystem services (Adaptation/mitigation). 	<ul style="list-style-type: none"> • MLGRD • Communities

		<p>Payment of Eco-system Services (PES) – Regional dimension.</p> <ul style="list-style-type: none"> ✓ Implement identified EBA activities that improve ecosystem resilience and reduce vulnerability to climate impacts among communities. ✓ Implement climate smart livelihood activities: <ul style="list-style-type: none"> ✚ Mini-/off-grid solar plants ✚ Increase agricultural production thro' CSA and indigenous agricultural approaches and solar-powered small-scale irrigation systems. ✚ Clean and energy saving cooking stoves. • Climate information services <ul style="list-style-type: none"> ✓ Strengthening hydro-meteorological information delivery services incl. EWS. ✓ Preparations of downscaled climate change projections and impact scenarios for policy development and further impact analyses at the sector level. 	<ul style="list-style-type: none"> • Health and well-being, and food and water security (Adaptation/mitigation). • Energy access and power generation (Mitigation). • Most vulnerable people and communities (Adaptation). 	<ul style="list-style-type: none"> • Ministry of Land Management, Water and Sanitation Services • MMEWR • MoA • Communities • DMS
5.	Rehabilitation and restoration of degraded rangelands	<ul style="list-style-type: none"> • Rehabilitation and restoration of degraded rangelands <ul style="list-style-type: none"> ✓ SLM in rangelands incl. management of invasive plant species. ✓ Agroforestry and Reforestation. ✓ Enteric abatement thro' fodder and other livestock feeds. ✓ Restoration of croplands and rangelands through integration of indigenous agricultural practices and CSA technologies 	<ul style="list-style-type: none"> • Forestry and land use (Mitigation). • Ecosystems and ecosystem services (Adaptation/mitigation). 	<ul style="list-style-type: none"> • Ministry of Environment, Natural Resources Conservation & Tourism • MOA • Communities • Private sector • MMEWR

		<ul style="list-style-type: none"> • Implement climate smart livelihood activities: <ul style="list-style-type: none"> ✓ Mini-/off-grid solar plants ✓ Increased agricultural production through CSA and indigenous agricultural approaches and solar-powered small-scale irrigation systems and livestock watering. ✓ Greening the tourism sector thro' ecotourism. ✓ Clean and energy saving cooking stoves. • Climate information services <ul style="list-style-type: none"> ✓ Strengthening hydro-meteorological information delivery services incl. EWS. ✓ Preparations of downscaled climate change projections and impact scenarios for policy development and further impact analyses at the sector level. 	<ul style="list-style-type: none"> • Energy access and power generation (Mitigation). • Most vulnerable people and communities (Adaptation). 	<ul style="list-style-type: none"> • DMS
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(Source: Strategic Framework for Climate Finance Project Portfolio in Botswana, developed by MENRCT with support from UNDP, 2017)