

General Information

Fund	MPTF_00281: The Systematic Observations Financing Facility					
FMP Record	MPTF_00281_00015: Rwanda SOFF Investment Phase Funding Request					
MPTFO Project Id						
Start Date						
End Date						
Applicants	Status	Contact Type	Name	e-mail	Position	Telephone
	Active: 02-Mar-2024 3:47:00 PM	Project Manager	Immaculee Uwimana	immaculee.uwimana@undp.org		
Signatories	Signature Process	Role	Name of Organization	Name	User Email	
	Digital	Signatory	UNDP: UNDP (United Nations Development Programme (UNDP))	Varsha Redkar-Palepu	varsha.redkar-palepu@undp.org	
	Digital	Signatory	WMO: WMO (World Meteorological Organization)	Celeste Saulo	csaulo@wmo.int	
Contacts	Contact Type	Name	e-mail	Position	Additional e-mail	Telephone
	No data available.					
Description	<p>The Rwanda Meteorology Agency in collaboration with the World Meteorology Organization (WMO) and the United Nations Development Programme (UNDP) have secured a 4-year funding of 3.5 million USD from the Systemic Observations Financing Facility (SOFF). The goal of this project is to enhance Rwanda's meteorological capabilities, fostering international collaboration, and bolstering resilience to weather and climate-related challenges. The key objectives of the SOFF project include:</p> <ul style="list-style-type: none"> To Close the basic weather and climate observations data gap and Engage in the international exchange of observational data through the Global Basic Observing Network (GBON) of the World Meteorological Organization (WMO). <p>These objectives will be achieved through implementation of the following two outputs:</p> <p>Output 1: GBON Institutional and Human Capacity Development</p> <ul style="list-style-type: none"> Conduct national consultations involving civil society organizations (CSOs) and relevant stakeholders. Develop the institutional capacity of the National Meteorological and Hydrological Services (NMHS) required to operate the GBON network. Enhance the human capacity of NMHS to effectively operate the GBON network. <p>Output 2: GBON Infrastructure Implementation</p> <ul style="list-style-type: none"> Establish new land-based stations equipped with necessary equipment, ICT systems, data management systems, and standard operating practices. Upgrade existing land-based stations to ensure improved functionality, ICT integration, data management, and adherence to standard operating practices. <p>Implementation:</p> <p>The Rwanda Meteorology Agency will spearhead the project's execution, with UNDP serving as the Implementing Entity and collaboration with the World Meteorological Organization (WMO) for technical support and guidance.</p>					
Universal Markers	Gender Equality Marker	Risk				
	<ul style="list-style-type: none"> GEM2 - GEWE is a significant objective of the Key Activity's overall intent 	<ul style="list-style-type: none"> Low Risk 				

Optional Markers	WB Income Category	• Low Income			
	UN LDC	• Yes			
	Small Island Developing States (SIDS)	• No			
Fund Specific Markers	SOFF Phases	SOFF Phases • Investment Phase			
	EW4All	Early Warnings for All initial focus countries • No			
	Fragile and conflict-affected situation	Fragile and conflict-affected situation • No			
	Peer advisor	Peer advisor • Finnish Meteorological Institute (FMI) [Finland]			
Geographical Scope	Geographical Scope	Name of the Region	Region(s)	Country	
	• Country		• Africa	• Rwanda	
Participating Organizations and their Implementing Partners	Participating Organizations	Government/ Multilateral/ NGO/ Other	New Entities	Implementing Partners	
	<ul style="list-style-type: none"> • UNDP - UNDP (United Nations Development Programme (UNDP)) • WMO - WMO (World Meteorological Organization) 			Rwanda Meteorology Agency	
Programme and Project Cost	Participating Organization	Amount (in USD)	Comments		
	Budget Requested				
	UNDP	\$3,107,377.37			
	WMO	\$428,000.00			
	Total Budget Requested	\$3,535,377.37			
	Tranches				
	Tranche 1		Tranche 2		Tranche 3
	UNDP (75%)	\$2,330,533.03	UNDP (25%)	\$776,844.34	UNDP (0%) \$0.00
	WMO (33.33%)	\$142,652.40	WMO (33.33%)	\$142,652.40	WMO (33.34%) \$142,695.20
	Total:	\$2,473,185.43	Total:	\$919,496.74	Total: \$142,695.20
Other Sources (Parallel Funding)					
Total	\$3,535,377.37				
Thematic Keywords					
Programme Duration	Anticipated Start Date	01-Jan-2024			
	Duration (In months)	48			
	Anticipated End Date	01-Jan-2028			

Narratives

Title	Text
No data available.	

SDG Targets

Target	Description
No data available.	

SDG Indicators

Indicator Code	Description
C200305	13.1.3 Proportion of local governments that adopt and implement local disaster risk reduction strategies in line with national disaster risk reduction strategies
C050502	5.5.2 Proportion of women in managerial positions

Contribution to SDGs

No data available.

List of documents

Document	Document Type	Document Source	Document Abstract	Document Date	Classification	Featured	Status	Modified By	Modified On
Rwanda SOFF Investment Funding Request final approved.pdf	Pro Doc	Project		30-Oct-2023	Internal	No	Finalized	tlhamo@wmo.int	22-Mar-2024 4:54:33 AM

Project Results

Outcome	Output	Description
1. GBON institutional and human capacity developed		
	1.1 National Consultations conducted	National consultations including with CSOs, and other relevant stakeholders conducted.
	Activities	
	No activities available.	
	1.2 NMHS institutional capacity developed	NMHS institutional capacity required to operate the GBON network developed.
	Activities	
	No activities available.	
	1.3 NMHS human capacity developed	NMHS human capacity required to operate the GBON network developed.
	Activities	
	No activities available.	
2. GBON infrastructure in place		

Outcome	Output	Description
	2.1 New land-based stations and related equipment, ICT systems, data management systems and standard operating practices in place.	No activity planned for this output
	Activities	
	No activities available.	
	2.2 Improved land-based stations and related equipment, ICT systems, data management systems and standard operating practices in place	3 existing stations reporting to GTS will be upgraded with new sensors and data loggers and training of operational staff members by vendor will be conducted
	Activities	
	No activities available.	
	2.3 New upper-air stations and related equipment, ICT systems, data management systems and standard operating practices in place.	Installation of new upper-air stations and related equipment, ICT systems and in place data management systems and standard operating practices in place.
	Activities	
	No activities available.	
	2.4 Improved upper-air stations, related equipment, ICT systems, data management systems and standard operating practices in place.	No activity was planned for this output
	Activities	
	No activities available.	
3. Sustained compliance with GBON		
	3.1 GBON land-based stations commissioning period completed.	GBON land-based stations' commissioning period completed, country-specific standard cost for operations and maintenance established, and data sharing verified by WMO Technical Authority
	Activities	
	No activities available.	
	3.2 GBON upper air stations' commissioning period completed.	GBON upper air stations' commissioning period completed, country-specific standard cost for operations and maintenance established, and data sharing verified by WMO Technical Authority.
	Activities	
	No activities available.	

Signature Indicators

Indicator Title	Component Title	Description	Means of Verification	Category	Cycle	Scope	Value Type	Baseline Value	Baseline Year	Target Value	Target Year	Linked Outcome / Output
No signature indicators available.												

Imported Fund Outcome / Output Indicators

Indicator Title	Component Title	Description	Means of Verification	Category	Cycle	Scope	Value Type	Baseline Value	Baseline Year	Target Value	Target Year	Linked Outcome / Output
No fund indicators available.												

Project Indicators

Indicator Title	Component Title	Description	Means of Verification	Category	Cycle	Scope	Value Type	Baseline Value	Baseline Year	Target Value	Target Year	Linked Outcome / Output
No indicators available.												

Risks

Event	Category	Level	Likelihood	Impact	Mitigating Measures	Risk Owner
Non-compliance with fiduciary and procurement standards in some SOFF activities	<ul style="list-style-type: none"> Financial 	Low	Rare	Insignificant	The Implementing Entity will ensure that UNDP and Government Procurement rules and regulations are followed, that the value for money is considered in all activities and the quality of deliverables ensured	
SOFF-funded investments cause environmental or social impacts	<ul style="list-style-type: none"> Social and Environmental 	Medium	Rare	Moderate	Project Management Team will ensure that all construction works for Upper air station follow standards and that qualified technicians are deployed for regular monitoring and maintenance of stations. Also, fire extinguishers will be installed at Upper-air station to ensure the safety of the consumables. In addition, the project will deploy security personnel to avoid any external disturbance. Also, UNDP and Meteo Rwanda will work with the Rwanda Environment Management Authority and Enviroserve Rwanda Ltd to recycle and dispose of remaining electronic waste of diodes from replaced sensors in line with the the National E-Waste Management Policy for Rwanda.	

NMHS staff depart after being trained	<ul style="list-style-type: none"> Organizational 	Medium	Likely	Minor	The project will strengthen the capacity of Meteo Rwanda to ensure that sufficient number of staff acquire the knowledge and skills to operate and maintain land & upper-air stations as well as data
Slow implementation and delays in procurement, installation and capacity building activities	<ul style="list-style-type: none"> Operational 	Low	Rare	Minor	The Project Management Team will ensure that there is early planning of procurement, installation and capacity building is done and that monitoring is regularly conducted and strategies to accelerate project implementation are adopted.
After the conclusion of the Investment phase, GBON data are not collected or shared or are shared of insufficient quality	<ul style="list-style-type: none"> Strategic 	Low	Rare	Minor	The project will enhance the capacity of Meteo Rwanda Staff for data collection, quality control and sharing. In addition, Meteo Rwanda will ensure its work complies with the national and WMO data policies
Destruction or theft of SOFF-financed equipment and infrastructure	<ul style="list-style-type: none"> Operational 	Medium	Rare	Moderate	Every year, Meteo Rwanda allocates a budget for security services to ensure the safety of stations and protection of office equipment. To avoid any potential hazard (such as flood) that may destroy the land stations, Meteo Rwanda ensures that these stations are protected with fence and placed in low-risk zones. Meteo Rwanda will also engage local CSOs in raising awareness of the community around the stations to avoid theft and vandalism of the stations.
Rwanda cannot make optimal use of data, including accessing or using improved forecasts products from the Global Producing Centers throughout the hydromet value chain.	<ul style="list-style-type: none"> Strategic 	Low	Unlikely	Minor	Meteo Rwanda has sufficient number of staff to operate in the whole value chain of hydro-meteorological services. The project will enhance their capacity to make optimal use of data collected as well as using improved forecasts generated by global models.

Budget by UNSDG Categories: Over all

Budget Lines	Description	UNDP (7%) *	WMO (7%) *	Total
1. Staff and other personnel		\$280,000.00	\$400,000.00	\$680,000.00
2. Supplies, Commodities, Materials		\$1,643,491.00	\$0.00	\$1,643,491.00
3. Equipment, Vehicles, and Furniture, incl. Depreciation		\$0.00	\$0.00	\$0.00
4. Contractual services		\$410,000.00	\$0.00	\$410,000.00
5. Travel		\$50,000.00	\$0.00	\$50,000.00
6. Transfers and Grants to Counterparts		\$440,600.00	\$0.00	\$440,600.00
7. General Operating and other Direct Costs		\$80,000.00	\$0.00	\$80,000.00
Project Costs Sub Total		\$2,904,091.00	\$400,000.00	\$3,304,091.00

Budget Lines	Description	UNDP (7%) *	WMO (7%) *	Total
8. Indirect Support Costs		\$203,286.37	\$28,000.00	\$231,286.37
Total		\$3,107,377.37	\$428,000.00	\$3,535,377.37

Performance-based Tranches Breakdown

Tranche			Total
Tranche 1	UNDP (75%)	\$2,330,533.03	\$2,473,185.43
	WMO (33.33%)	\$142,652.40	
Tranche 2	UNDP (25%)	\$776,844.34	\$919,496.74
	WMO (33.33%)	\$142,652.40	
Tranche 3	UNDP (0%)	\$0.00	\$142,695.20
	WMO (33.34%)	\$142,695.20	
			\$3,535,377.37

Results based budget

Outcome *	Output *	Agency *	Budget (USD) *
No data available.			

Programme Outcome Costs

Outcome	Output	Activity	Implementing Agent	Time Frame				
				2024	2025	2026	2027	2028
				1	1	1	1	1
1. GBON institutional and human capacity developed								
	1.1 National Consultations conducted							
	1.1.1 Conduct stakeholders' engagement workshops focused on observations data exchange to support weather/climate and water services and products							
			UNDP	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
			WMO	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	1.1.2 Organise high level dialogues on benefits, co-production and ownership of the new national GBON infrastructure							
			UNDP	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
			WMO	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	1.2 NMHS institutional capacity developed							
	1.2.1 Develop and enhance Meteo Rwanda's competence building process of Quality Management Systems							
			UNDP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			WMO	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	1.2.2 Capacity building in project and portfolio management and coordination through benchmarking FMI process in Finland. Lessons learned will be proposed as immediate development actions to the Meteo Rwanda.							
			UNDP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			WMO	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	1.2.3 Conduct a gender assessment to assess gaps in gender balance and gender opportunities (including gender discrimination, harassment) and provide recommendations accordingly							
			UNDP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			WMO	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Outcome	Output	Activity	Implementing Agent	Time Frame				
				2024	2025	2026	2027	2028
				1	1	1	1	1
		1.2.4. Conduct two gender workshops to strengthen gender equality in governance, strategy, programmes, and decision making, and facilitate grounds for developing gender policy						
			UNDP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			WMO	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	1.3 NMHS human capacity developed							
		1.3.1 Benchmark and develop an observation process of upper-air sounding (supported by peer adviser)						
			UNDP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			WMO	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
		1.3.2 Benchmark good practices on archiving, transfer, and QC/QA, and subsequent SOPs as well as roadmap for QC/QA methods developed (supported by peer adviser)						
			UNDP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			WMO	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
		1.3.3 Conduct training on upper-air system (basic level) and surface weather station (advanced/supplementing) operation and maintenance is needed since it will be a new measurement technique for the organization. (Vendor, supported by peer adviser)						
			UNDP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			WMO	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
		1.3.4. Enhance institutional capacity in data collection, quality control, processing, and data sharing (outsourced by IE)						
			UNDP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
			WMO	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		1.3.5. Cover the Direct project costs in terms of oversight, procurement support, knowledge management, country coordination, M&E and headquarters technical assistance for IE and Meteo Rwanda for 4 years						
			UNDP	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
			WMO	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. GBON infrastructure in place								
		2.2 Improved land-based stations and related equipment, ICT systems, data management systems and standard operating practices in place						
		2.2.1. Procurement and installation of sensors and logger in 3 surface weather stations (3 existing stations reporting to GTS upgraded with new sensors and data loggers) and training of operational staff members by vendor.						
			UNDP	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			WMO	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		2.3 New upper-air stations and related equipment, ICT systems, data management systems and standard operating practices in place.						
		2.3.1. Procurement and installation of one fully automatic upper-air measurement system including ground receiving system, UPS, hydrogen generator, and consumables for one year (the balloon will be launched twice a day)						
			UNDP	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			WMO	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		2.3.2. Building required civil infrastructure (e.g., connection to electricity, shelter for hydrogen bottles, room for balloon filling and platform for ground system).						
			UNDP	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			WMO	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Sustained compliance with GBON								
		3.1 GBON land-based stations commissioning period completed.						
		3.1.1. Undertake maintenance and calibration of land-based station						
			UNDP	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			WMO	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Outcome	Output	Activity	Implementing Agent	Time Frame				
				2024	2025	2026	2027	2028
				1	1	1	1	1
		3.2 GBON upper air stations' commissioning period completed.						
		3.2.1. Procure Automatic upper-air measurement system consumables for up to 3 years within investment phase						
			UNDP	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			WMO	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		3.2.2. Hire 2 Technical staff to operate and maintain upper air station on daily basis for 3 years (salaries, lumpsum, communication and travel costs						
			UNDP	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Signatures

<p>UNDP: UNDP (United Nations Development Programme (UNDP)) (Digital)</p> <p>Varsha Redkar-Palepu Resident Representative a.i varsha.redkar-palepu@undp.org</p>	<p>SIGNATURE: Varsha Redkar-Palepu</p> <p>DATE: 03-04-2024</p>
<p>WMO: WMO (World Meteorological Organization) (Digital)</p> <p>Celeste Saulo Secretary-General csaulo@wmo.int</p>	<p>SIGNATURE: Andrea Celeste Saulo</p> <p>DATE: 02-04-2024</p>