
Investment Phase:

Peer Advisor Semi-Annual Report

Mozambique

July 2025

Submitted by (South Africa)

Systematic Observations
Financing Facility

**Weather
and climate
data for
resilience**





General Information

Country	Mozambique	
Peer Advisor	South Africa	
Implementing Entity	World Food Program (WFP)	
Agreement effectiveness date	10 June 2025	
Duration	78 months	
Anticipated end date	31 December 2031	
Reporting period	From: 1 January 2025	To: 30 June 2025
Approved peer advisory fee	USD 385 646.00	
Disbursed peer advisory fee	USD 128 548.67	
Percentage of financial implementation		
Peer advisors' focal point signature	DocuSigned by:  86EAA2275F1C4C8...	
Country's focal point signature (to confirm timely and quality delivery)	 11.09.2025	

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Summary

The South African Weather Service (SAWS) as a peer advisor to the Instituto Nacional de Meteorologia (INAM) under the Systematic Observations Financing Facility (SOFF) initiative has together with the implementing entity, the World Food Program (WFP) effectively conducted and completed the assessments of all 21 stations and the four Upper Air sites. The assessments were conducted in line with the WMO standards. The purpose of these assessments was to establish the current state of the infrastructure; identify those sites requiring total replacement, upgrade or replacement of some of the sensors, and to ensure effective data transmission. The focus was on both technical and ICT. Also the peer advisor took the opportunity to empower the INAM technical staff so that they could perform the assessment on their own in future.

Activities at the field level experienced temporary delays due to mobility restrictions caused by civil unrest, particularly affecting operations until January 2025. Field-level implementation resumed in February and March, allowing for the continuation of planned activities.

Despite these initial challenges, significant progress was made across several key areas. Comprehensive assessments of Automatic Weather Stations (AWS) were finalized, providing a clear understanding of existing infrastructure and gaps. Based on these assessments, detailed Terms of Reference (ToRs) were developed to guide the next phases of implementation. Based on the findings of these assessments, procurement processes for necessary equipment and services are currently underway.

As part of the infrastructure setup, the Wis2Box data collection unit has been successfully installed. The next step will involve the installation and configuration of the central server to support data transmission and storage.

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Implementation progress

Services or activities listed in the peer advisor's ToR and assignment agreement must be included in the category "activities conducted/contribution" below. Sections that are not relevant or covered in the TOR can be left blank.

Output	Indicator (Please copy the indicators from RBM section of the funding request)	Activities conducted/contributions (Please list all activities that will be conducted by the peer advisor relevant to the output. Please add rows if more than one activity will be conducted)	Implementation plan ¹					Status	Challenges and risks	
			Y1	Y2	Y3	Y4	Y5			
1. GBON institutional and human capacity developed										
1.1 National consultations, including with CSOs and other relevant stakeholders conducted	Number of consultation workshops with CSOs	The peer advisor has conducted meetings with INAM and WFP through both Teams (Virtual platform) and physical in Mozambique. Meetings with key province and district government representatives were held to present the SOFF project (4 in Southern, 7 in Central and 5 in Northern Mozambique). This will inform the formal community consultation and sensitization sessions planned for later in the year.	5	6				Achieved		
	% women participants	About 26% of women attended the first consultative workshop, and 40% of women representation during the launch, and subsequent consultative meetings thereafter.	50	50				On-track	The current representation at INAM is skewed towards men with less women representation in key positions especially the technical operations. INAM is encouraged to consider appointing more women More data will be collected during the community engagement meetings.	
	Add indicator as per approved funding request	Specify activities relevant to the output						Select an item		
1.2 NMHS institutional capacity required to operate the GBON network developed	% capacity strengthening activities successfully implemented	Support and skills transfer sessions were conducted during the infrastructure assessment, demonstrating to INAM technical staff and providing them an opportunity to conduct assessment with peer advisor support and on their own. ICT support was also provided to INAM to	30	30	20	10	0	On-track	The next trainings will be conducted during the installation of new equipment. All technical staff will be	

¹ Indicate which year the activity is targeted to be conducted



Output	Indicator	Activities conducted/contributions	Implementation plan ¹					Status	Challenges and risks
1.3 NMHS human capacity required to operate the GBON network developed		ensure successful data transmission. Successful implementation of WIS2Box. Continuous capacity building, skills and knowledge transfer, as well as technical support is provided to INAM.							Involved.
	Add indicator as per approved funding request	Specify activities relevant to the output						Select an item	
	Add indicator as per approved funding request	Specify activities relevant to the output						Select an item	
1.3 NMHS human capacity required to operate the GBON network developed	% training and capacity development for staff	Continuous peer support is provided to INAM technical staff, both physically and virtually. More training will be provided during the installation of the new equipment to all technical staff.	50	80	100			On-track	
	% women participants	There's currently a smaller number of women especially in technical operation. The INAM has been advised to focus their recruitment process on appointing women to technical role positions	50	50	50			Delayed	Currently, there's not many women on technical positions to support the network maintenance
	% female representation in decision-making and project management positions	INAM has been advised to focus their recruitment process on appointing women on decision making and project management positions. Also to develop program for women empowerment so that they can be prepared and ready to take leadership positions.	50	50	50			Delayed	There's no women representation in decision making positions.
2. GBON Infrastructure in place									
2.1 New land-based stations and related equipment, ICT systems, data management systems and standard operating practices in place	# of new stations installed as per the GBON National Contribution Plan	All assessments of existing 21 AWS and new AWS sites were conducted with INAM, the Peer Advisor, and WFP and is completed. A comprehensive report has been elaborated and detailed terms of Reference for the procurement process have been approved. The procurement process is in progress.	3	3				On-track	

Output	Indicator	Activities conducted/contributions	Implementation plan ¹					Status	Challenges and risks
2.2 Improved land-based stations and related equipment, ICT systems, data management systems and standard operating practices in place	# of stations improved as per the GBON National Contribution Plan	Assessments for the stations that only require upgrade or new sensors to be replaced were conducted and completed. Procurement process of sensors in progress. WIS2Box was successfully installed at INAM in June 2025, the. The next step is the installation of the server and public IP address.	7	8				On-track	There were some operational delays in the process to establish new public IP address.
2.3 New upper air stations and related equipment, ICT systems, data management systems and standard operating practices in place	# of new stations installed as per the GBON National Contribution Plan	The assessments of upper air stations and launch sites has been finalized, concluding that new constructions will be necessary. Detailed terms of reference for the building design, complying with all technical and safety standards, have been developed. Additionally, terms of reference for necessary equipment (including hydrogen tanks). Procurement process is in progress.	2	2				On-track	There might be some operational delays due to the new constructions required at some upper air stations sites which include land use permissions (DUAT) that might cause delays.
2.4 Improved upper air stations and related equipment, ICT systems, data management systems and standard operating practices in place	# of stations improved as per the GBON National Contribution Plan	The successful implementation of WIS2Box in June 2025 will enhance ICT communication systems. The server and public IP address will be installed within Y2.	2	2				On-track	
3. Sustained compliance with GBON									
3.1 GBON land-based stations' commissioning period completed, country-specific standard cost for operations and maintenance established, and data sharing verified by WMO Technical Authority	# of stations commissioned as per the GBON National Contribution Plan	Assessment of all 21 AWS was completed. Procurement process in progress. Installation and commissioning of the stations will be carried out immediately after the procurement is completed.	10	11				On-track	Dependent of the procurement process.
3.2 GBON upper air stations' commissioning period completed, country-specific standard cost for operations and maintenance established, and data sharing verified by WMO Technical Authority	# of stations commissioned as per the GBON National Contribution Plan	Procurement process is in progress. Installation and commissioning will commence after procurement is completed.	2	2				On-track	Dependent on the procurement process