



Investment Phase: Progress update

Mozambique January 2026

Systematic Observations
Financing Facility

**Weather
and climate
data for
resilience**



General Information

Country	Mozambique	
Implementing Entity	United Nations World Food Programme (WFP)	
Agreement effectiveness date	28 March 2024	
Duration	60 months	
Anticipated end date	1 May 2029	
Reporting period	From: 1 July 2026	To: 31 January 2026
Approved amount	USD 7,892,560.22	
Disbursed amount	USD 5,235,943.30	

Summary

Between July 2025 and January 2026, the Instituto Nacional de Meteorologia (INAM), the South African Weather Service (SAWS), and the World Food Programme (WFP) continued the implementation of activities under the Systematic Observations Financing Facility (SOFF) initiative. This time frame covers the first half of Year 2 of the Implementation Phase.

Following findings from the assessments done in each of the sites where ground stations (AWSs) will be installed or rehabilitated, a further field assessment was conducted to identify a new site in Chicualacuala (Gaza province), as the previous site has a 15-metre building to the west of the AWS site that causes shadow over the AWS during sunset hours.

At Dindiza AWS site (Gaza province), a new battery and solar panel were installed. The solar panel mount was built. The datalogger was reconfigured and a new UTP cable was installed to link it to the computer in the observer’s room, which was also reconfigured to be able to receive the data from the datalogger in real-time. The fence was repaired to improve site security. The synoptic station protection was repaired and painted. The security and lighting of the station and observer’s room was improved.

A new physical server (Dell PowerEdge R750, model 5WVCG) was acquired and delivered to INAM for the installation of the WIS2.0 box, which had been previously temporarily installed on a local desktop. ADL was also configured on this server. The

subscription of a cloud-based server has been recommended to complement this physical server, for redundancy purposes, a proposal which is currently under consideration by INAM. This recommendation became more important after INAM experienced a couple-day power outage at their facilities.

Four rugged laptops (210-BNNG-RUGGE Dell Pro Rugged, RB14250) for maintenance purposes have been acquired and delivered to INAM.

An Expression of Interest with the scope of surveying possible companies to provide consultancy and supervision for the design and construction supervision of the upper-air station buildings was launched and finalized, after which, the tenders for this service will be launched. The tender for the Hydrogen Generation Systems will also be launched, in parallel to this tender, to allow for the safety requirements to be incorporated in the design and construction phases.

The Environmental and Social Safeguards assessment for the construction of the upper-air building is ongoing.

The tender for the procurement of the AWS equipment, installation and maintenance trainings and field calibration kits was launched. However, due to the closure of WFP's regional office for Southern Africa, through which this tender was launched, the process was not able to be finalized. The Implementing Entity, SAWS and INAM then took this opportunity to review and improve this tender, which will be soon re-launched.

Four information posters -describing an Automatic Weather Station and Upper-Air Station, their function and significance in weather monitoring and early warnings to save lives have been produced to be printed and installed by each station:

- Poster 1 – what is an AWS?
- Poster 2 – how does an AWS help the community?
- Poster 3 – what is an Upper-Air station, what is a balloon launch, what should you do if you encounter a radiosonde after a balloon burst?
- Poster 4 – what is an AWS – poster for school sensitization.

Additionally, a 1'30" video on what an AWS is and how it benefits the community has been produced for circulation on social media. A second video based on Poster 3 is also being produced.

An introductory workshop to Gender Awareness focusing on a climate perspective is being developed to be delivered to INAM.

Progress of implementation

Output	Indicator	Target					Actual					Status	Milestones achieved	Challenges and risks	
		Y1	Y2	Y3	Y4	Y5	Y1	Y2	Y3	Y4	Y5				
1. GBON institutional and human capacity developed															
1.1 National consultations , including with CSOs and other relevant stakeholders conducted	# consultation workshops with CSOs	5	6				6						On-track	<p>The national launch event and national consultation took place on the 21st and 22nd of August 2024.</p> <p>Consultations with relevant government entities and airport authorities were carried out during the upper-air station assessments carried out in Nampula, Beira and Tete. The purpose of these was to introduce the planned activities under SOFF and address any existing related concerns, such as security concerns related to balloon launches.</p> <p>A consultation with community leaders during the Changalane and the Mapulanguene AWS assessment was conducted.</p>	<p>One academy-oriented awareness raising event is planned to enhance interest in the meteorology science career path, with specific sessions targeting female students.</p> <p>Four provincial consultations, in the provinces where upper-air stations are to be installed, will be planned over the following 2 years, to raise awareness on upper-air sounding and what to do when encountering a radiosonde.</p> <p>18 community consultations are planned for this year, in the communities where AWS will be installed.</p>
	% women participants	50	50											Delayed	<p>The very limited number of women working at INAM is a serious challenge. However, women participation and leadership are encouraged at all times.</p>
1.2 NMHS institutional capacity required to operate the GBON network developed	% capacity strengthening activities successfully implemented	30	30	20	10	10							On-track	<p>Mapping of the capacity strengthening needs has been carried out.</p>	

Output	Indicator	Target					Actual					Status	Milestones achieved	Challenges and risks
		Y1	Y2	Y3	Y4	Y5	Y1	Y2	Y3	Y4	Y5			
													<p>ICT related needs have also been mapped.</p> <p>Initial AWS and upper-air measurements related needs will be carried out by the service provider during installation of the equipment.</p> <p>It is crucial to point out that ongoing capacity strengthening, knowledge transfer and technical support is provided to the beneficiary through weekly update meetings and specific technical specific meetings.</p>	
1.3 NMHS human capacity required to operate the GBON network developed	% training and capacity development for staff	50	40	10								On-track	Related to output 1.2	
	% women participants	50	50	50			5					Delayed	There is one woman in a total of 17 INAM core staff at central level working on implementing SOFF.	The very limited number of women working at INAM is a serious challenge. However, women participation and leadership are encouraged at all times. Additionally, a strategy for INAM to encourage the hiring of more technical women will be discussed.
	% female representation in decision-making and project management positions	50	50	50			0					Not yet started		The very limited number of women working at INAM is a serious challenge. However, women participation and leadership are encouraged at all times. Additionally, a strategy for INAM to encourage the hiring of

Output	Indicator	Target					Actual					Status	Milestones achieved	Challenges and risks	
		Y1	Y2	Y3	Y4	Y5	Y1	Y2	Y3	Y4	Y5				
															more technical women will be discussed. One academy-oriented awareness raising event is planned to enhance interest in the meteorology science career path, with specific sessions targeting female students.
	% women representation of staff for operating and maintaining GBON stations	50	50	50			30						Delayed		The very limited number of women working at INAM is a serious challenge. However, women participation and leadership are encouraged at all times. Additionally, a strategy for INAM to encourage the hiring of more technical women will be discussed. One academy-oriented awareness raising event is planned to enhance interest in the meteorology science career path, with specific sessions targeting female students.
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	3	3				0						Delayed	Ongoing procurement processes.	The closure of WFP's regional bureau through which the tender was initially launched did not allow for the process to be completed. Both Country and Peer Advisor took this opportunity to revise the TORs for the tender and improve them.
2.2 Improved land-based stations and related equipment, ICT systems, data	# of stations improved as per the GBON National Contribution Plan	7	8				0						Delayed	Ongoing procurement processes.	The closure of WFP's regional bureau through which the tender was

Output	Indicator	Target					Actual					Status	Milestones achieved	Challenges and risks	
		Y1	Y2	Y3	Y4	Y5	Y1	Y2	Y3	Y4	Y5				
management systems and standard operating practices in place															initially launched did not allow for the process to be completed. Both Country and Peer Advisor took this opportunity to revise the TORs for the tender and improve them.
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		3	1								On-track	<p>EOI was launched for the procurement of building design and supervision consultancy.</p> <p>Once we contract a consultant to deliver the final building design for the upper-air stations, we can move forward with the licensing and builder contracting. Building the new stations should take up to 6 months.</p>	<p>We are trying to engage with companies with experience in designing upper-air stations to make sure the new upper-air stations will be 100% WMO compliant.</p> <p>Hydrogen Generation Systems requirements for weather balloon filling have been difficult to draft to launch a tender that reflects the needs.</p> <p>Building the station at Tete will be a bit more challenging due to the nature of the site and unstable access to stable water and electricity sources. This would require acquisition of the water storage tanks or borehole to ensure uninterrupted water supply</p>	
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	0	0	0	0							Select an item	After assessing the existing buildings to be improved, the conclusion was reached that these were too rundown and building new stations would be safer and cheaper.		

Output	Indicator	Target					Actual					Status	Milestones achieved	Challenges and risks	
		Y1	Y2	Y3	Y4	Y5	Y1	Y2	Y3	Y4	Y5				
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												Not yet started	Exact breakdown to be provided after stations are purchased and installed and a couple months of operations are carried out.	
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												Not yet started	Exact breakdown to be provided after stations have been operational for a couple of months.	