



Investment Phase: Progress Update

Republic of Cabo Verde

January 2026

Systematic Observations
Financing Facility

**Weather
and climate
data for
resilience**



General Information

Country	Republic of Cabo Verde	
Implementing Entity	United Nations Environment Programme (UNEP)	
Agreement effectiveness date	17 September 2024	
Duration	59.5 months	
Anticipated end date	28 February 2029	
Reporting period	From: 30 June 2025	To: 31 December 2025
Approved amount	UNEP: USD 3,408,318 WMO: USD 470,800	
Disbursed amount	UNEP: USD 2,726,654 WMO: USD 156,618	

Summary

Highlights of key achievements

From 30 June to 31 December 2025, implementation of the SOFF Investment Project in Cabo Verde continued with emphasis on strengthening institutional foundations, advancing human and technical capacity, and progressing preparatory work for the establishment of GBON-related infrastructure. Implementation was supported through close coordination among the Instituto Nacional de Meteorologia e Geofísica (INMG), the United Nations Environment Programme (UNEP), and technical and peer partners, including the Royal Netherlands Meteorological Institute (KNMI), the Portuguese Institute for the Ocean and Atmosphere (IPMA), and the Faculty of Geo-Information Science and Earth Observation of the University of Twente (ITC). Activities implemented during the period focused on institutional coordination and governance, targeted capacity-building and training delivery, recruitment and staffing processes, technical planning, and site identification, laying the groundwork for subsequent phases of GBON infrastructure deployment.

Under Output 1.1 - National consultations including with CSOs and other relevant stakeholders, no additional activities were conducted during the reporting

period, following the [inception workshop and first stakeholder engagement](#) session held in March 2025. IPMA had offered to host the second Project Steering Committee (PSC) meeting in Lisbon; however, to ensure the effective participation of in-country stakeholders, discussions among INMG, IPMA, and UNEP are ongoing to convene the meeting in Cabo Verde. The second PSC meeting is tentatively planned for the first week of March 2026, subject to final agreement among the partners.

Under Output 1.2 – NMHS institutional capacity required to operate the GBON network developed, INMG conducted a visit to KNMI in November 2025 as part of participation and exchange activities under the SOFF and GBON frameworks. The visit supported technical exchanges related to equipment specifications, with KNMI providing inputs relevant to ongoing and planned procurements under the project. The engagement also facilitated institutional-level discussions on service delivery practices and operational considerations of a national meteorological service, contributing to peer learning and supporting INMG's efforts to strengthen institutional capacity in line with GBON-related requirements. In addition, KNMI is providing support to the development of the Gender Action Plan. As part of this support, KNMI facilitated a consultation session during the [Early Warnings for All \(EW4All\)](#) launch event held on 17 December in Praia, Cabo Verde. The outcomes and findings from this consultation will directly inform the Gender Action Plan, supporting the integration of gender considerations into project implementation.

Under **Output 1.3 – NMHS human capacity required to operate the GBON network developed**, INMG completed the recruitment of a Project Manager, who joined in November 2025. With the Project Manager in place, INMG initiated the establishment of the Project Management Unit (PMU) to support coordination and management of activities under the SOFF Investment Phase, including planning, coordination with partners, and monitoring of implementation progress.

With respect to technical staffing, approval was granted in December 2025 for the recruitment of an observer position. Screening for the remaining two ICT technical staff positions is currently ongoing. Ministerial approval covering these ICT positions has been secured, and the issuance of the public tender announcement is pending final confirmation from the National Direction for Public Administration. In parallel, INMG, with support from KNMI and in coordination with ITC and IPMA, initiated the development of a competence-building roadmap tailored to Cabo Verde's Small Island Developing State (SIDS) context. The roadmap is under preparation and is intended to guide forthcoming workshops and international collaboration on quality management systems (QMS).

During the reporting period, IPMA delivered four technical trainings for INMG staff: a [Training-of-Trainers \(ToT\) competence programme](#) conducted from 20 to 28 May 2025, attended by four participants, and a [senior management and project management training](#) held from 2 to 12 June 2025, attended by three participants from INMG. Building on these activities, IPMA also delivered the second edition of the Meteorological Technician Station Operations and Maintenance training programme from 22 to 26 September 2025 in Sal, Cabo Verde, further strengthening operational and maintenance capacities at station level. In addition, the second ToT competence training was completed in November 2025, reinforcing INMG's capacity to sustain and cascade training activities internally. In parallel, IPMA initiated a new activity focusing on calibration and verification processes, which remains under preparation and will require formal endorsement at a forthcoming Project Steering Committee (PSC) meeting. Adjustments to the training schedule were made to ensure alignment with related capacity-building activities led by other partners, particularly the upper-air station training programme and the WMO BIP-MT observer training.

At the same time, ITC continued to update and improve training materials, with emphasis on meteorological applications relevant to the Cabo Verde context. This work included the incorporation of Python-based tools and datasets drawing on sources such as the Copernicus Marine Service, the ECMWF Open Data Portal, EUMETSAT services (EUMDAC and EUMETView), GSOD, and Open Meteo. All training resources, including Jupyter notebooks, were translated into Portuguese and tested to ensure functionality within Linux-based environments. Preparatory work is underway to host these materials on an e-learning platform using the [WEkEO cloud service](#). ITC also collaborated closely with KNMI and INMG on activities related to WIS2Box implementation, including technical planning and follow-up linked to INMG's study visit to the Netherlands, which was completed in November 2025, as well as an accompanying visit to ITC. These exchanges contributed to the continued development of the competence-building roadmap. In addition, INMG, in coordination with KNMI and ITC, is preparing onsite ICT and data communication trainings on Basic Python and WIS2Box. These trainings are expected to take place in December 2025 or January 2026, with final arrangements on participants and schedules currently under discussion.

Under **Output 2.1 – New land-based stations and related equipment, ICT systems, data management systems, and standard operating practices in place**, preparatory work for infrastructure installation progressed. INMG carried out a technical mission to Brava Island from 29 August to 4 September 2025 to assess potential locations for the installation of a new Automated Weather Station (AWS). Based on the findings of the mission, the site at Nova Sintra, Zona de Lem (Latitude:

14°52'36.10"N; Longitude: 24°41'49.90"W; Altitude: approximately 484 m) was identified and confirmed as suitable for the AWS installation.

In parallel, INMG has initiated local market engagement to identify suitable proposals for fencing and construction materials required for the AWS installation. These efforts aim to support site readiness and ensure that installation requirements can be met in a timely and context-appropriate manner. INMG is also preparing a procurement demand plan outlining the required procurement steps and technical specifications. Once finalized and reviewed by UNEP, procurement activities under Outcome 2 – GBON infrastructure in place are expected to commence in the subsequent reporting cycle.

Challenges and Lessons Learned

Implementation during the period reflected a number of operational considerations that informed ongoing planning and coordination. INMG noted that national public procurement approval processes require multiple procedural steps, which influenced the timing of contract finalization and the formal establishment of the Project Management Unit. These processes were managed within the national regulatory framework and informed adjustments to activity sequencing. In addition, inter-island travel arrangements were occasionally affected by aircraft availability and flight schedules, which influenced the timing of certain technical missions. These experiences have provided useful inputs for future planning, including consideration of alternative transport arrangements where appropriate.

From a technical coordination perspective, ITC highlighted the importance of early and detailed exchange of technical information among partners to support effective preparation of onsite training activities. This includes timely confirmation of participant profiles and numbers, as well as updates on the status of ICT and data systems, including the WIS2Node in Sal, to support progress toward automated data transmission. At present, data from the three airport stations are uploaded manually every six hours, and planned system enhancements will support increased automation over time, including for GBON stations. Continued alignment of technical inputs and training schedules remains important to ensure coherence across implementation activities.

IPMA reported that its workplan was adjusted to align with the sequencing of related activities led by other partners. Progress was achieved in delivering the Meteorological Technician Station Operations and Maintenance programme and the Training-of-Trainers competence programme, while activities such as the Upper-Air Station training and the WMO BIP-MT observer training are planned to proceed once enabling conditions are in place. These adjustments support coordinated implementation across partners and help maintain momentum in capacity-building efforts. In addition, a new training activity on calibration and verification processes has been proposed for IPMA's implementation. IPMA has indicated readiness to deliver this activity, which

remains under preparation and will be submitted for formal approval at the Project Steering Committee meeting scheduled for March 2026 in Cabo Verde.

Next Steps

Building on progress achieved to date, implementation will focus on advancing procurement actions, completing remaining staffing processes, and continuing coordinated capacity development. With the Project Manager recruited and the Project Management Unit operational, INMG will finalize the procurement demand plan, setting out procurement steps, timelines, and technical specifications. Following review and clearance by UNEP, this will enable the initiation of procurement activities for GBON-related infrastructure, including the Automated Weather Station identified during the technical mission to Brava Island.

Recruitment processes for additional technical staff will continue, with screening for the two ICT positions progressing toward the issuance of the public tender announcement, subject to final confirmation by the National Direction for Public Administration. These recruitments are expected to further strengthen INMG's technical capacity to support data management, ICT systems, and GBON implementation.

Capacity development efforts will continue through coordinated activities with technical partners. Following the completion of planned training programmes in 2025, IPMA will proceed with preparatory work for new capacity-building activities scheduled for 2026, including the proposed training module on calibration and verification processes, subject to approval by the Project Steering Committee.

In parallel, ITC, in coordination with INMG and KNMI, will continue preparations for onsite ICT and data communication trainings on Basic Python and WIS2Box, with final arrangements on participants and schedules to be confirmed. Preparatory work will also continue on the integration of training materials into the e-learning platform to support sustained capacity development beyond in-person activities.

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	# of workshops held	1	2	1			1					Achieved	the face-to-face inception workshop, stakeholder engagement session , and formal establishment of the Project Steering Committee were conducted on 25-26 March 2025 The second PSC meeting is tentatively planned for the first week of March 2026 in Cabo Verde, subject to final agreement among the partners.		
	% female participation in the stakeholder workshops	50	50	50			36					On-track	The inception workshop held 25 March included the participation of 19 women and 34 men.		
1.2 NMHS institutional capacity required to operate the GBON network developed	# of workshops held		1	1			1					On-track	Successful civil society stakeholder workshop held on 26 March. INMG conducted a visit to KNMI in November 2026 as part of participation and exchange activities which supported technical exchanges related to equipment specifications, with KNMI providing inputs relevant to ongoing and planned procurements under the project		
	% of female participants in workshops		50	50			36					On-track	The civil society stakeholder workshop on 26 March included the participation of 19 women and 34 men.		

Output	Indicator	Target					Actual					Status	Milestones achieved	Challenges and risks	
		Y1	Y2	Y3	Y4	Y5	Y1	Y2	Y3	Y4	Y5				
1.3 NMHS human capacity required to operate the GBON network developed	# of trainings	2	2	2	2	2	5						Achieved	<p>IPMA conducted a training programme and study visit on station operations and maintenance for meteorological technicians was conducted by in January 2025, with a total of 7 participants.</p> <p>IPMA also conducted a Training-of-Trainers (ToT) competence programme for INMG staff from 20 to 28 May 2025, attended by 4 participants, and a senior management and project management training from 2 to 12 June 2025, attended by 3 participants</p> <p>IPMA also delivered the second edition of the Meteorological Technician Station Operations and Maintenance training programme from 22 to 26 September 2025 in Sal, Cabo Verde and the second ToT competence training was completed in November 2025</p> <p>ICT and Data Communication trainings on Basic Python and WIS2Box are planned for Q4 2025 or Q1 2026; however, further inputs from partners, including participant needs and detailed arrangements, are still required</p>	
	# of staff employed	3	3	3	3	3	1						Delayed	<p>INMG completed the recruitment of a Project Manager, who joined in November 2025 to support coordination and management of activities under the SOFF Investment Phase, including planning, coordination with</p>	<p>Procurement and service acquisition processes remained complex, particularly due to national requirements for public procurement approvals. These procedures extended the timelines for finalizing contracts and</p>

Output	Indicator	Target					Actual					Status	Milestones achieved	Challenges and risks
		Y1	Y2	Y3	Y4	Y5	Y1	Y2	Y3	Y4	Y5			
													partners, and monitoring of implementation progress. With respect to technical staffing, approval was granted in December 2025 for the recruitment of an observer position. Screening for the remaining two ICT technical staff positions is currently ongoing. Ministerial approval covering these ICT positions has been secured, and the issuance of the public tender announcement is pending final confirmation from the National Direction for Public Administration.	contributed to delays in establishing the Project Management Unit, which in turn affected the timely implementation of a number of planned activities.
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		1									On-track	INMG conducted a technical mission to Brava Island from 29 August to 4 September 2025 to assess a site for the installation of a new Automated Weather Station. Following the mission, the site was confirmed at Nova Sintra, Zona de Lem (Latitude: 14°52'36.10"N; Longitude: 24°41'49.90"W; Altitude: ~484 m). INMG is also preparing a procurement demand plan, which will set out procurement steps and requirements.	Logistical constraints, as inter-island travel was disrupted by aircraft availability and flight cancellations, delaying the technical missions. Lessons learned from these experiences underscore the need to account for such external factors in future planning, including consideration of alternative transport options such as boats to mitigate 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		3									Not yet started		

Output	Indicator	Target					Actual					Status	Milestones achieved	Challenges and risks	
		Y1	Y2	Y3	Y4	Y5	Y1	Y2	Y3	Y4	Y5				
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												Not yet started		
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			1									Not yet started		
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					4							Not yet started		
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					1							Not yet started		

Attachments:

[Republic of Cabo Verde Semi-Annual Report July 2025](#)