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# Investment Phase:

Peer Advisor Semi-Annual Report

## Ethiopia

Jan 2026

Submitted by

**Norwegian Meteorological Institute**



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Systematic Observations  
Financing Facility

**Weather  
and climate  
data for  
resilience**



## General Information

<b>Country</b>	Ethiopia	
<b>Peer Advisor</b>	Norwegian Meteorological Institute	
<b>Implementing Entity</b>	UNDP	
<b>Agreement effectiveness date</b>	27 August 2024	
<b>Duration</b>	36	
<b>Anticipated end date</b>	26 August 2027	
<b>Reporting period</b>	<b>From:</b> June 2025	<b>To:</b> December 2025
<b>Approved peer advisory fee</b>	683,505.00 USD	
<b>Disbursed peer advisory fee</b>	227,812.00 USD	
<b>Percentage of financial implementation</b>	33.33	
<b>Peer advisor's focal point signature</b>		
<b>Country's focal point signature (to confirm timely and quality delivery)</b>		

## Summary

Over the past six months, the project has made significant progress toward its objectives, achieving key milestones in both planning and execution phases. Core planned activities included the procurement of automatic weather stations (AWS), upper air stations, and calibration equipment, as well as civil works to prepare installation sites for AWS as well as for the five Upper Air sites for Hydrogen Generator and Balloon housing. A major achievement was the successful awarding of the tender to WAGTECH Projects to supply EMI with 29 AWS. Although the procurement processes for upper air and calibration equipment faced delays, the SOFF PMU team and EMI management, and its EMI's SOFF Technical Task Team (TTT), facilitated these efforts, with MET Norway providing technical capacity building.

Key Activities and Achievements by MET Norway:-

1. Technical Capacity Building
  - Developed inspection and maintenance guidelines for meteorological stations based on MET's experience.
  - Supported the preparation of tender documents for upper air stations, which were temporarily paused to prioritize AWS and calibration equipment activities slated for 2025.
2. Procurement of AWS:
  - Assisted in drafting technical specifications for AWS and engaging suppliers such as Vaisala and Campbell.
    - WAGTECH Projects won the tender, and factory-level training was planned.
  - Developing a customized on-site delivery verification checklist specifically designed for the WAGTECH AWS, intended for use by the EMI technical team. This checklist is to be finalized upon the delivery of the AWSs
3. Procurement of Calibration Instruments:
  - Supported the development of the tender specification document for calibration equipment. However, the bid received limited supplier interest.
  - Facilitate follow-up meetings with a known supplier of calibration equipment who provided some feedback on what made the tender difficult to accept. This was to improve the tendering document to attract more bidders for the re-bid process in 2026.
    - In December, the project PMU and EMI team participated in an experience-sharing visit to China, focusing on calibration. Following the visit, the team plans to update the tender specification document.
4. Other Activities:
  - Participated in the SOFF Africa Regional Workshop in Casablanca, Morocco.
  - Bi-weekly online meetings of all projects partners
  - Began reviewing 2026 planned activities for peer advisory.

Overall, while some procurement activities experienced delays, the project made substantial progress in AWS procurement and site preparation. Collaborative efforts by the SOFF PMU team, EMI TTT and technical support from MET Norway ensured that challenges were identified and addressed effectively, setting a strong foundation for upcoming phases of the project.

# 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 <sup>1</sup>					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	# of inception workshops	Participate in the project inception workshop at the national level	1					Achieved	

<sup>1</sup> Indicate which year the activity is targeted to be conducted

relevant stakeholders, were conducted	# of stakeholder workshops	Participate and contribute at the project inception and consultative workshops at the national level	1					Achieved	This consultative workshop, focused on civil works, was practical and specifically for national and regional stakeholders. It was successfully Word Versionconducted by the EMI TTT, with no need for the peer advisory team's participation
	# of sub-national workshops	<p>Consultative workshop at 11-RMSC on station security with key stakeholders</p> <p>Participate in In-country field missions and consultations</p> <p>Contribute to the gender equality workshops, where feasible and desirable, to advocate for gender equality in the SOFF activities in Ethiopia</p>	X	X	X			On track	Consultative workshops at EMI's regional centers are effectively organized by the ETH-SOFF PMU unit in collaboration with the EMI SOFF technical task team.

1.2 NMHS institutional capacity required to operate the GBON network developed	# of project staff	Support in the establishment of a full staff PMU and a project execution team, including project management	3					Achieved	
	% female participants	Promote gender equality by supporting the establishment of a threshold for female participation in SOFF-related activity in Ethiopia.		25 %				On track	Training sessions, workshops, and activities related to SOFF, conducted by have seen 20% female participation. Further details are provided in the Projects PMU/Implementing Entity report.
	#SOPs developed	Co-development of training activities based on the needs identified by Ethiopia's NCP in alignment with the Institutional Support and Capacity Building for Weather and Climate Services SAREPTA between EMI and MET Norway	X	X	X			On track	

<p>1.3 NMHS human capacity required to operate the GBON network developed</p>	<p># Training and capacity-building initiatives</p>	<p>Provide on-demand technical support on :</p> <ul style="list-style-type: none"> <li>• establishment of SOP for surface and upper air observations practices, including data quality control and quality assurance mechanisms.</li> <li>• AWS data integration, climate database management systems, data archiving, and post-processing.</li> <li>• Data communications techniques WIS 2.0 training.</li> <li>• Weather station and sensor maintenance, sensor calibration and network monitoring</li> </ul> <p>Capacity building through benchmarking of good practices at Met Norway</p>						<p>On track</p>	
	<p># EMI Staff reinforced</p>	<ul style="list-style-type: none"> <li>• Support in the recruitment process of observers, IT and Technical Staff, and project management staff</li> <li>• Co-creating a roadmap for future capacity needs and priorities</li> </ul>	<p>3</p>	<p>5</p>				<p>On track</p>	

	<p>Station GBON-compliant metadata strategy developed</p>	<p>Provide on-demand technical advice on:-</p> <ul style="list-style-type: none"> <li>• global SOPs for AWS operations, including tailored capacity development</li> <li>• station-level metadata databases.</li> <li>• Provide guidance on the process for metadata collection, ingestion, analysis, monitoring, and reporting.</li> </ul> <p>Co-develop a station GBON-compliant metadata strategy.</p> <p>Facilitate regional exchange and training in conjunction with other peer advisors from the Greater Horn of Africa (GHA)</p>	X	X				On track	
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2. GBON infrastructure in place

<p>2.1 New land-based stations and related equipment, ICT systems, data management systems, and standard operating practices in place</p>	<p># of new stations installed as per the GBON National Contribution Plan</p>	<ul style="list-style-type: none"> <li>• Technical advisory services to support the AWS tender process and the IT hardware tender process</li> <li>• Facilitate benchmarking of good practices in MET</li> <li>• Provide necessary pre-installation training to supplement onsite and factory-level level</li> <li>• Technical guidance on the most effective WIS 2 Node deployment options for EMI</li> </ul>		7	6			On track	
<p>2.2 Improved land-based stations and related equipment, ICT systems, data management systems and standard operating practices in place</p>	<p># of stations improved as per the GBON National Contribution Plan</p>	<ul style="list-style-type: none"> <li>• same as 2.1</li> </ul>		8	8			On track	

<p>2.3 New upper air stations and related equipment, ICT systems, data management systems, and standard operating practices in place</p>	<p># of new stations installed as per the GBON National Contribution Plan</p>	<p>Technical support on</p> <ul style="list-style-type: none"> <li>• radiosounding tender process, procurement, and installation</li> <li>• Development of SOPs for O&amp;M of Upper Air Station</li> <li>• Development of automatic data transfer solutions for files from radiosondes</li> </ul>		2	1			On track	
<p>2.4 Improved upper air stations and related equipment, ICT systems, data management systems and standard operating practices in place</p>	<p># of stations improved as per the GBON National Contribution Plan</p>	<p>Same as 2.3</p>	1	1				On track	
<p>3. Sustained compliance with GBON</p>									

<p>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</p>	<p># of stations commissioned as per the GBON National Contribution Plan</p>	<ul style="list-style-type: none"> <li>• Technical support on the procurement of a calibration equipment and setting up a calibration unit/laboratory</li> <li>• On-demand technical support for GBON compliance, including advisories on stations' operational and maintenance plans</li> <li>• Facilitate regional trainings where feasible and desirable</li> </ul>		17	12		On track	<p>Successful bidding has been achieved, and OTT is scheduled to supply 29 automatic weather stations in 2026.</p> <p>Planned Factory training was delayed due to visa issues by the EMI team.</p>
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<p>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</p>	<p># of stations commissioned as per the GBON National Contribution Plan</p>	<ul style="list-style-type: none"> <li>• On-demand technical support for GBON compliance</li> <li>• Ensure the radiosonde operations meet the requirements of safety and quality.</li> <li>• Contribution to final reporting</li> </ul>		2	3		On track	
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