



PRE-CONCEPT FOR A REGIONAL PROJECT/PROGRAMME

PART I: PROJECT/PROGRAMME INFORMATION

Title of Project/Programme: Increasing Food Security Resilience: Scaling up Effective National and Regional Agriculture Monitoring and Early Warning through Earth Observations.

Countries: Kenya, Lesotho, Malawi, Uganda, Zambia

Thematic Focal Area¹: Disaster risk reduction and early warning systems

Type of Implementing Entity: Multilateral Implementing Entity

Implementing Entity: World Meteorological Organization (WMO)

Executing Entities: IGAD Climate Predictions and Applications Centre (ICPAC); SADC Climate Services Centre (SADC CSC); Alliance of Bioversity International and CIAT (CIAT); Ministries of Agriculture Malawi, Zambia, and Kenya, Ministry of Agriculture, Food Security and Nutrition in Lesotho, Office of the Prime Minister in Uganda, NETFUND; NMHSs in the respective countries; University of Twente-ITC.

Amount of Financing Requested: 29,320,000 (in U.S Dollars Equivalent)

Project Formulation Grant Request: Yes No

Amount of Requested financing for PFG: (in U.S Dollars Equivalent) 39,000

Letters of Endorsement (LOE) signed for all countries: Yes No

NOTE: LOEs should be signed by the Designated Authority (DA). The signatory DA must be on file with the Adaptation Fund. To find the DA currently on file check this page: <https://www.adaptation-fund.org/apply-funding/designated-authorities>

Stage of Submission:

- This pre-concept has been submitted before
- This is the first submission ever of the pre-concept

In case of a resubmission, please indicate the last submission date: [Click or tap to enter a date.](#)

Project/Programme Background and Context:

Food insecurity in Eastern and Southern Africa is worsening due to climate variability, recurrent droughts and floods, and weak early warning systems. In 2024, over 30 million people in Southern Africa faced drought-related food shortages with Malawi and Zambia declaring national emergencies. The Horn of Africa remains in crisis, with more than 18 million at risk from hunger in 2025, with countries like Kenya remaining among the world's hunger hotspots². In the target countries—Malawi, Zambia, Lesotho, Kenya and Uganda - agriculture contributes

¹ Thematic areas are: Food security; Disaster risk reduction and early warning systems; Transboundary water management; Innovation in adaptation finance.

² [Hunger Hotspots. FAO–WFP early warnings on acute food insecurity: November 2025 to May 2026 outlook. Rome.](#)

up to 20% of GDP and employs over 60% of the population yet remains highly climate-sensitive. Declining water availability, reduced yields, and rising pests and diseases further threaten livelihoods.

Timely and actionable information on weather, water crop and pasture conditions are critical for food security, adaptation and resilience. Earth Observation (EO) and Early Warning (EW) systems can provide governments with anticipatory insights at scale shifting responses from reactive to proactive as shown in Uganda’s 2017 use of EO alerts to support 90,000 households and save USD 11 million in emergency costs. However, uptake of EO tools remains constrained by fragmented systems, gaps in in-situ observations, and limited institutional capacity to access, process, and effectively use data and related applications.

Justification for a regional project: A regional approach delivers economies of scale, harmonized methods, and coordinated responses, reducing duplication and aligning policies across countries facing similar risks. Strengthening EO systems and capacities will improve anticipation of climate-related food security shocks, protect livelihoods, and support climate-smart agriculture in line with national priorities, as seen in the table below³. While not all the 6 countries share a continuous border, shared priorities make regional coordination more effective by aligning data systems and enabling joint responses to climate risks

This project, therefore, will enhance national and regional agrometeorological systems (NMHSs, ICPAC, SADC CSC) by improving interoperability, harmonization, and use of EO-based information for decision-making, resilience, and food security.

Table 1: Priorities identified during regional workshop held jointly by GEOGLAM and ICPAC in 2024

Country	Climate-related challenges	Adaptation priorities	Value of a regional approach
Malawi	Frequent droughts & floods	EO-based crop monitoring; anticipatory action	Shared risk maps; harmonised bulletins
Zambia	Erratic rainfall, dry spells, drought	Regional drought/flood alerts; seasonal forecasts	Data pooling for accurate forecasts
Lesotho	Drought, frost in highlands	District crop maps; water-smart planning	Common protocols; peer learning
Kenya	Climate-driven rangeland loss	EO rangeland indicators; harmonized bulletins	Cross-border grazing strategies
Uganda	Floods, landslides	Multi-hazard EO advisories; local preparedness	Shared best practices; regional Monitoring, Evaluation and Learning (MEL)

Project/Programme Objectives:

The goal of the project is to strengthen food system resilience to climate shocks in six countries through enhanced earth observation-based monitoring, early warning systems, institutional capacity and regional adaptation learning, while promoting inclusive adaptation benefits for vulnerable communities. The specific objectives are, to:

- 1. Reduce climate risk through improved monitoring.** Strengthen EO-enhanced agrometeorological monitoring systems and harmonised climate risk information services to support anticipatory action and adaptive planning.
- 2. Increase institutional adaptive capacity.** Institutionalize EO-integrated workflows and Standard Operating Procedures (SOPs) in all countries for climate risk analysis and response, incorporating gender-responsive capacity development.
- 3. Strengthen community-level resilience.** Ensure climate-vulnerable communities receive timely and actionable early warnings through accessible and inclusive dissemination channels, enabling local adaptation actions and livelihood protection, especially for women and vulnerable groups.
- 4. Promote regional learning for sustained adaptation.** Establish a regional MEL system and knowledge repository to support peer learning, climate-smart practices and informed future adaptation strategies.

³ Priorities identified during regional workshop held jointly by GEOGLAM and ICPAC in 2024

Project/Programme Components and Financing:

Programme Components	Expected Outcomes	Expected Outputs	Countries	Amount (US\$)
1. Climate risk monitoring systems	Countries produce timely, harmonized climate risk information for adaptive planning.	Baseline assessment of EO tools, observations and data, resources and user requirements for agrometeorological monitoring and early warning.	Malawi, Zambia, Lesotho, Kenya, Uganda	8.5m
		Enhanced tools for EO-based agrometeorological monitoring and early warning (EW).		
		Strengthened EO integration into national systems for food security and agrometeorological monitoring.		
		Regional and national EO monitoring frameworks and indicators developed for coordinated response.		
	Localized tools and data improve accuracy and relevance of EWs.	EO-based crop/rangeland products tailored for local contexts.		
		Local/subnational EO platforms, maps, and EW tools.		
		Gender and youth inclusive in-situ data collection protocols, including citizen data and other innovative solutions.		
		In-situ data management, harmonisation and sharing tools in compliance with relevant standards like WIS 2.0.		
2 Institutional capacity for EO integration	Government institutions adopt EO-based workflows for climate risk management.	Concept of operations (CONOPS) and SOPs for EO integration in food security monitoring and EW, following gender and Environmental and Social Protection safeguards.	Malawi, Zambia, Lesotho, Kenya, Uganda	7.2m
		Institutional guidelines and standards for the use of EO in monitoring and decision-making.		
		Policy briefs and guidance documents for embedding EO in gender-responsive adaptation planning.		
	Technical and managerial staff have the skills to sustain EO systems.	Inclusive regional & national training programmes and training modules for EO tools and climate risk analysis.		
		Partnerships with universities, research and training institutions for structured training and fellowship programmes including (scholarships, exchanges, curriculum development and certification).		
	Regional collaboration accelerates learning and innovation.	Establish and formalise regional communities of practice.		
		Regional coordination system for EO-based methods and data for food security monitoring.		
		Repository of training materials and case studies hosted on a regional knowledge platform.		
3. Community-level EW and action	Vulnerable communities receive timely, actionable climate risk information.	Multi-channel dissemination systems (SMS, messaging apps, radio, community networks) tailored for diverse audiences (women, youth, and indigenous groups).	Malawi, Zambia, Lesotho, Kenya, Uganda	4.7m
		Locally tailored and differentiated agrometeorological monitoring bulletins and advisories integrating drought, flood, and crop stress adaptation actions.		
		Protocols for inclusive EW communication developed and institutionalized.		
	Local actors are equipped to act on EWs.	Inclusive training for extension agents and community leaders in interpreting alerts.		
		Community risk communication strategies and helpdesk services developed addressing literacy and cultural barriers.		
		Tailored knowledge products that explain trends, risks, and strategies for local adaptation planning.		
		Communities supported and equipped for preparedness and contingency plans.		
		Climate-smart agriculture support for long-term resilience in pilot communities (hotspot approach)		
4. Regional MEL	Regional learning informs adaptation	Regional MEL system with differentiated indicators to capture diverse outcomes/impacts across groups.	Malawi, Zambia,	3.6m

system and knowledge sharing	strategies and good practices.	Six regional learning and knowledge exchange events.	Lesotho, Kenya, Uganda	
		Cross-country synthesis reports on adaptation lessons and innovations.		
	Knowledge products and tools are accessible for replication and scaling.	Shared repository of methods, training materials, and intercomparison results hosted on a regional platform.		
		Open-access case studies and guidance documents for EO-enhanced adaptation.		
		Digital tools developed for collaborative MEL and reporting.		
5. Project/Programme Execution cost				2.66m
6. Total Project/Programme Cost				27m
7. Project/Programme Cycle Management Fee charged by the Implementing Entity (if applicable)				2.66m
Amount of Financing Requested				29.32m

Project Duration: Six (6) years – Seventy-two (72) months

PART II: PROJECT/PROGRAMME JUSTIFICATION

Components and regional added value. The programme has four components: climate risk monitoring systems; institutional capacity for EO integration; community level EW and action; and a regional MEL system with knowledge sharing. The participating countries share agro-climatic zones—e.g., Kenya and Uganda’s tropical mid-altitudes and Malawi, Lesotho, and Zambia’s mixed highland systems—making them ideal for a regional monitoring strategy. The regional approach adds value by harmonizing indicators, pooling analysis pipelines and training, and enabling cross border situational awareness through bodies such as ICPAC and SADC regional climate centers (RCC), which directly addresses common country needs identified in the Naivasha workshop—table 1

Adaptation activities and contributions to resilience. Component 1 will operationalize analysis ready EO data streams and in-situ calibration to generate routine, harmonized crop/rangeland condition bulletins at relevant time scales, anomaly maps, and hazard alerts. Component 2 will embed EO workflows into national agencies. Component 3 ensures early warnings translate into locally relevant actions through inclusive, participatory processes involving communities, women’s groups, and local authorities, with dissemination via accessible channels (radio, SMS, local networks). Further support will be provided to specific high-risk communities for testing climate-smart agriculture activities based on alerts. Component 4 establishes a regional MEL system with feedback loops to guide programme adjustments in line with Locally Led Adaptation. Overall, the programme enables earlier, better-targeted responses and strengthens coordination between NMHSs and Ministries of Agriculture.

Innovation. The programme advances innovation through dynamic, cloud-based EO workflows with transparent methods and uncertainty metrics, supported by open-source platforms. It promotes harmonized in-situ protocols and selectively applies new tools such as AI-assisted annotation and foundation models, ensuring explainability and policy alignment. Open science principles ensure accessibility without reliance on proprietary tools. Social innovation is emphasized through co-creation, citizen engagement, and capacity development linked to long-term service continuity.

Cost effectiveness. A regional approach reduces duplication and lowers costs through shared EO pipelines, cloud processing, and harmonized training. Joint MEL and knowledge platforms further reduce transaction costs and accelerate uptake via peer learning. Compared to isolated national efforts, this model achieves economies of scale, faster implementation, and financial viability using open data and tools.

Consistency with national and regional strategies. The programme aligns with national adaptation plans (NAPs), Nationally Determined Contributions (NDCs), and agricultural strategies such as Malawi’s National Agriculture Policy, Kenya’s Agricultural Sector Transformation and Growth Strategy, and Uganda’s Climate Smart Agriculture Plan. All emphasize early warning, data-driven planning, and inclusive service delivery. Regionally, it supports SADC and ICPAC frameworks by standardizing indicators and enabling cross-border awareness. It builds on RCC platforms and integrates with national agrometeorological and food security systems to ensure complementarity and sustainability.

Learning and knowledge management. A regional MEL system will track results using harmonized indicators and support adaptive management. Knowledge products (guides, datasets, case studies) will be shared via platforms such as the GEO Knowledge Hub and WMO communities. Learning exchanges and communities of practice will help refine implementation and strengthen institutional memory.

Consultative process and compliance with ESP and Gender Policy. The programme is based on a multi-stakeholder consultative process (Naivasha workshop) and will continue with inclusive engagement of ministries, agencies, and community groups. It is expected to fall under Environmental and Social Risk Category B, with risks managed through an ESMP. A gender assessment will inform a Gender Action Plan, and a grievance mechanism will ensure accountability. Consultations will be inclusive and culturally appropriate.

Sustainability. Sustainability is ensured through institutionalizing EO workflows in national agencies, aligning with national strategies, and integrating into budgets and systems. Capacity building (including MSc training and training-of-trainers), university engagement, and regional knowledge exchange will support continuity. Use of existing regional infrastructure and embedding operational ownership in national and regional institutions will reinforce long-term viability

Benefits, standards, duplication, funding rationale, and risk management.

- The programme delivers economic benefits by reducing crop losses, increasing household income, and reducing emergency response costs through earlier action; social benefits by improving food security, enhancing climate resilience and promoting equity (targeting women and vulnerable groups, inclusive EW delivery channels; and environmental benefits by promoting sustainable land and water management and avoiding maladaptation.
- All activities will comply with national technical standards for environmental assessment and with the Fund's ESP through risk screening, mitigation, and monitoring.
- Duplication will be avoided by building on existing national and regional systems, aligning with ongoing initiatives such as CREWS, ClimSA, SEWA, Copernicus4GEOGLAM, IKI CISTA, and ensuring interoperability and long-term institutional ownership, coordination by WMO and GEOGLAM.
- The funding request reflects the full cost of adaptation, including EO-based monitoring, institutional integration, inclusive advisory design and dissemination, and regional MEL systems required to address climate risks beyond business-as-usual.
- Potential environmental and social risks e.g. exclusion, data misuse, will be managed through an Environmental and Social Management Plan, a Gender Action Plan, a data protection plan and a grievance mechanism to ensure accountability.

PART III: IMPLEMENTATION ARRANGEMENTS

The programme will be led by the WMO as the implementing entity, working closely with GEOGLAM (Group on Earth Observations Global Agricultural Monitoring), which WMO hosts. At the regional level, ICPAC and SADC CSC will support technical and policy integration, aligning the programme with regional early warning and food security frameworks. Alliance Bioversity & CIAT will contribute expertise in agricultural systems and data analytics, linking regional and national activities. At the national level, implementation will be led by relevant government ministries for agriculture & food security and NMHSs across the six countries, acting as executing partners. Accredited National Implementing Entities will be engaged where available to strengthen ownership. Each country will appoint a focal point to participate in a technical working group to ensure coordination and alignment with national systems. Coordination will be ensured through a regional steering committee led by WMO and GEOGLAM, supported by regular virtual meetings and annual workshops, alongside similar structures at national level for planning, review, and knowledge exchange.

PART IV: ENDORSEMENT BY GOVERNMENTS AND CERTIFICATION BY THE IMPLEMENTING ENTITY

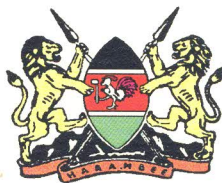
- A. Record of endorsement on behalf of the government⁴** *Provide the name and position of the government official and indicate date of endorsement for each country participating in the proposed project/programme. Add more lines as necessary. The endorsement letters should be attached as annexes to the project/programme proposal.*

<i>Dr. Eng. Festus K. Ng'eno, Principal Secretary, State Department of Environment & Climate Change, Ministry of Environment, Climate Change & Forestry, Kenya</i>	<i>Date: 10 March 2026</i>
<i>Dr. Teke Ramotubei, Acting Director, Lesotho Meteorological Services and National Focal Point for Climate Change, Ministry of Environment and Forestry, Lesotho</i>	<i>Date: 4 May 2026</i>
<i>Ms. Tiyamka Kanthambi, Director Debt and Aid Management Division, Ministry of Finance, Economic Planning and Decentralization, The Republic of Malawi</i>	<i>Date: 24 April 2026</i>
<i>Mr. Ramathan Ggoobi, Permanent Secretary /Secretary to the Treasury Ministry of Finance, Planning and Economic Development, Uganda</i>	<i>Date: 5 September 2025</i>
<i>Dr. Douy Chibamba, Permanent Secretary, Ministry of Green Economy and Environment, Zambia</i>	<i>Date: 11 March 2026</i>

- B. Implementing Entity certification:** *Provide the name and signature of the Implementing Entity Coordinator and the date of signature. Provide also the project/programme contact person's name, telephone number and email address*

I certify that this proposal has been prepared in accordance with guidelines provided by the Adaptation Fund Board, and prevailing National Development and Adaptation Plans and regional strategies and subject to the approval by the Adaptation Fund Board, <u>commit to implementing the project/programme in compliance with the Environmental and Social Policy of the Adaptation Fund</u> and on the understanding that the Implementing Entity will be fully (legally and financially) responsible for the implementation of this project/programme.	
Moyenda Chaponda	
<i>Moyenda Chaponda</i>	
Implementing Entity Coordinator Development Partnerships Office, WMO	
Date: 29 May 2026	Tel. and email: +41 22 730 8646; mchaponda@wmo.int
Project Contact Person:	
Tel. And Email: +41227308407; sgrey@wmo.int	

⁴ Each Party shall designate and communicate to the secretariat the authority that will endorse on behalf of the national government the projects and programmes proposed by the implementing entities.



REPUBLIC OF KENYA

MINISTRY OF ENVIRONMENT, CLIMATE CHANGE & FORESTRY
State Department for Environment & Climate Change
Office of the Principal Secretary

Telegrams: "NATURE", Nairobi
Telephone: 254-20- 2730808/9
Fax: 254-20- 2734722
Email : psoffice@environment.go.ke

SHA BUILDING
RAGATI ROAD
P. O. BOX 30126-00100
NAIROBI

When replying, please quote:

Ref. No: MEF/SDECC/DPPSI/4

10th March, 2026

The Adaptation Fund Board

c/o Adaptation Fund Board Secretariat
Email: Secretariat@Adaptation-Fund.org
Fax: 202 522 3240/5

**RE: ENDORSEMENT FOR INCREASING FOOD SECURITY
RESILIENCE: SCALING UP EFFECTIVE NATIONAL AND
REGIONAL AGRICULTURE MONITORING AND EARLY
WARNING THROUGH EARTH OBSERVATIONS**

In my capacity as designated authority for the Adaptation Fund in Kenya, I confirm that the above regional Project/Programme proposal is in accordance with the government's national priorities in implementing adaptation activities to reduce adverse impacts of, and risks, posed by climate change in Kenya.

Accordingly, I am pleased to endorse the above Project/Programme proposal with support from the Adaptation Fund.

If approved, the Project/Programme will be implemented by the World Meteorological Organization and executed by the Ministry of Agriculture and Livestock Development, the Kenya Meteorological Department and the National Environment Trust Fund (NETFUND).



Dr. Eng. Festus K. Ng'eno, MIEK, CBS
PRINCIPAL SECRETARY



ADAPTATION FUND



LESOTHO

Ministry of Environment and
Forestry P.O. Box 772,
Maseru 100

Ref:MEF/MET/5/23

Letter of Endorsement by Government

4th May 2026

To: The Adaptation Fund Board
c/o Adaptation Fund Board Secretariat
Email: Secretariat@Adaptation-Fund.org
Fax: 202 522 3240/5

Subject: Endorsement for “Increasing Food Security Resilience: Scaling up Effective National and Regional Agriculture Monitoring and Early Warning through Earth Observations”

In my capacity as designated authority for the Adaptation Fund in Lesotho, I confirm that the above regional project proposal is in accordance with the government’s national priorities in implementing adaptation activities to reduce adverse impacts of, and risks, posed by climate change in Lesotho.

Accordingly, I am pleased to endorse the above project proposal with support from the Adaptation Fund. If approved, the project will be implemented by the World Meteorological Organization (WMO) and executed by IGAD Climate Predictions and Applications Centre, CIAT, SADC CSC, Ministries of Agriculture Malawi, Zambia, Kenya & Ethiopia, Ministry of Agriculture, Food Security and Nutrition in Lesotho, Office of the Prime Minister in Uganda, NETFUND.

Yours Sincerely,

Teke Ramotubei (PhD)

[Director – Lesotho Meteorological Services]

Ministry of Environment and Forestry Headquarters,
Post Office Building, Cnr Constitution Rd and Palace Rd, 7th Floor,
Maseru 100,



Ref. No. :FIN/DAD/5/2/2/1

24th April, 2026

The Adaptation Fund Board
c/o Adaptation Fund Board Secretariat
Email: Secretariat@Adaptation-Fund.org
Fax: 202 522 3240/5

Dear Sir/Madam,

**ENDORSEMENT FOR "INCREASING FOOD SECURITY RESILIENCE:
SCALING UP EFFECTIVE NATIONAL AND REGIONAL AGRICULTURE
MONITORING AND EARLY WARNING THROUGH EARTH OBSERVATIONS**

In my capacity as designated authority for the Adaptation Fund in Malawi, I confirm that the above regional project/programme proposal is in accordance with the government's national priorities in implementing adaptation activities to reduce adverse impacts of, and risks, posed by climate change in Malawi.

Accordingly, I am pleased to endorse this project proposal with support from the Adaptation Fund as it aligns Malawi's strategic adaptation priorities, national Climate Smart Agriculture Framework (NCSAF) and relevant policies guiding environmental management in Malawi. If approved, the project will be implemented by the World Metrological Organization and executed by the Ministry of Agriculture, Irrigation and Water Development.

Yours Sincerely,

A handwritten signature in black ink, appearing to read 'Tiya M. Kanthambi'.

Ms. Tiya M. Kanthambi

Director, Debt and Aid Management Division

Ministry of Finance, Economic Planning and Decentralization
Designated Authority
The Republic of Malawi

Telephone : 256 41 4341305/230487
Fax : 256 41 4233524
Email : finance@finance.go.ug
Website : www.finance.go.ug
Plot No. 2-8 Apollo Kaggwa Road
In any correspondence on
This subject please quote No.DARC 158/550/04



Ministry of Finance,
Planning & Economic
Development,
P.O Box 8147
Kampala, Uganda

5th September, 2025

The Adaptation Fund Board,
C/O Adaptation Fund Board Secretariat,
Email: Secretariat@Adaptation-Fund.org,
Fax: 202 522 3240/5

**ENDORSEMENT LETTER FOR THE PROJECT TITLED
“INCREASING FOOD SECURITY RESILIENCE: SCALING UP
EFFECTIVE NATIONAL AND REGIONAL AGRICULTURE
MONITORING AND EARLY WARNING THROUGH EARTH
OBSERVATIONS”**

In my capacity as the National Designated Authority for the Adaptation Fund in Uganda, I confirm that the above regional project/ programme is in line with Uganda's priorities in implementing adaptation actions to reduce the adverse impacts of, and risks, posed by climate change in Uganda.

Accordingly, I am pleased to endorse the above national project/programme proposal to be supported by the Adaptation Fund.

If approved, the project/ programme will be implemented by World Meteorological Organization and executed by the Office of the Prime Minister.

Ramathan Ggoobi
PERMANENT SECRETARY/SECRETARY TO THE TREASURY

- Copy to: - Hon. Minister of Finance, Planning and Economic Development
- Permanent Secretary, Office of the Prime Minister
- Permanent Secretary, Ministry of Water and Environment
- Permanent Secretary, Ministry of Agriculture, Animal Industry and Fisheries

Mission

“To formulate sound economic policies, maximize revenue mobilization, ensure efficient allocation and accountability for public resources so as to achieve the most rapid and sustainable economic growth and development”

All communication should be addressed to the
Permanent Secretary
Telephone: 0211-252395
0211-252394
0211-252391



REPUBLIC OF ZAMBIA

In reply please quote

No.....

NDA/71/21/9

MINISTRY OF GREEN ECONOMY AND ENVIRONMENT

OFFICE OF THE PERMANENT SECRETARY

Corner of John Mbita & Nationalist Road
P.O BOX 30147
Lusaka-Zambia

11 March 2026

To: The Adaptation Fund Board
c/o Adaptation Fund Board Secretariat
Email: Secretariat@Adaptation-Fund.org
Fax: 202 522 3240/5

ENDORSEMENT FOR INCREASING FOOD SECURITY RESILIENCE: SCALING UP EFFECTIVE NATIONAL AND REGIONAL AGRICULTURE MONITORING AND EARLY WARNING THROUGH EARTH OBSERVATIONS

In my capacity as designated authority for the Adaptation Fund in Zambia, I confirm that the above national grant proposal is in accordance with the government's national priorities in implementing adaptation activities to reduce adverse impacts of, and risks, posed by climate change in Zambia.

Accordingly, I am pleased to endorse the above grant proposal with support from the Adaptation Fund. If approved, the project will be implemented by the World Meteorological Organisation and executed by the Ministry of Agriculture.

Sincerely,

A handwritten signature in black ink, appearing to read 'Douty Chibamba'.

Dr. Douty Chibamba
Permanent Secretary

MINISTRY OF GREEN ECONOMY AND ENVIRONMENT



Revised PFG Submission Form¹ (additions in red)

Project Formulation Grant (PFG)

Submission Date:

Adaptation Fund Project ID:

Country/ies: Kenya, Lesotho, Malawi, Uganda, Zambia

Title of Project/Programme: Increasing Food Security Resilience: Scaling up National and Regional Agriculture Monitoring and Early Warning through Earth Observations

Type of IE (NIE/RIE/MIE): MIE

Implementing Entity: World Meteorological Organization (WMO)

Executing Entity/ies: IGAD Climate Predictions and Application Centre (ICPAC), SADC Climate Services Centre, Alliance Bioversity International & CIAT, University of Twente-ITC.

A. Project Preparation Timeframe 6 months

Start date of PFG	1 November 2026
Completion date of PFG	31 March 2027

B. Proposed Project Preparation Activities (\$)

List of Proposed Project Preparation Activities	Output of the PFG Activities	US\$ Amount	Budget note²
Assess and establish project baselines and indicators	Baseline and target reports for outcomes and outputs	12,000	Consultant honorarium, travel for consultations
	Indicator measurement criteria		
	Initial gender analysis		
	LogFrame and theory of change elaboration and strengthening		
	Site identification for community level actions		
Readiness assessment	Technical & institutional readiness assessment of the EEs	12,000	Consultant honorarium, travel for consultations
	Project execution/implementation strategy		

¹ As presented in AFB/PPRC.33/40 Annex 1.

² The proposal should include a detailed budget with budget notes indicating the break-down of costs at the activity level. It should also include a budget on the Implementing Entity management fee use.

	Initial environmental and social risk and safeguards assessment		
Stakeholder Consultations & advanced user needs assessment.	Stakeholder mapping and engagement strategy, including vulnerable and marginalized groups	11,500	Consultant honorarium, travel for consultations
	Revised project outcomes and outputs		
	Revised Gaps and Needs Assessment		
Implementing Entity Fee (Administration and management of concept preparation)	Implementing entity fee – coordination of overall process to have CN submitted	US\$ 3,500	10% of direct costs
Total Project Formulation Grant		US\$ 39,000	

The amount above represents 20% of the funds to be requested for the full proposal development

Please describe below each of the PFG activities and provide justifications for their need and for the amount of funding required:

The main activities to be conducted in the project preparation will include:

- i) establishment of baselines, refine targets, and indicators for the project outputs and outcomes. This will also include the development of an indicator measurement criteria for all project deliverables. This will help enhance project monitoring and evaluation and ensure accurate measurement of the project impacts.
- ii) A readiness assessment to establish the level of readiness of the Executing Entities for project execution. This assessment will seek to understand the technical and institutional capacities of the EE using a set of pre-determined criteria including Governance, accountability, and decision making; Participation, positioning, leadership, and influence; Technical and operational capacity; Partnerships and stakeholders; and Sustainability.
- iii) Stakeholder analysis and advanced user needs assessment will be done to ensure the completeness of stakeholder identification and establishment of a stakeholder engagement and management strategy, as well as a revision/refining of the user needs and project objectives and outcomes.

Across all aspects, regional online and in-person engagements will be conducted with key stakeholders, national and subnational level focal persons, and with representatives of vulnerable groups, women, youth, elderly, selected climate-vulnerable and remote communities.

These pre-conditions are essential to a successful and fit-for-purpose project design as well as the smooth implementation of the project.

C. Implementing Entity

This request has been prepared in accordance with the Adaptation Fund Board's procedures and meets the Adaptation Fund's criteria for project identification and formulation

Implementing Entity Coordinator, IE Name	Signature <i>Moyenda Chaponda</i>	Date (Month,	Project Contact Person	Telephone	Email Address
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		day, year)			
Moyenda Chaponda (mchaponda@wmo.int)		29 May 2026	Sebastia n Grey	+41227308407	sgrey@wmo.int