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[APR CY2024] Section 1: General Information

Please note that this is section 1 of the five Annual Performance Report (APR) sections. APR will be considered valid only after all the five sections are filled with relevant details.

Reporting Year *

2024

Please indicate reporting year

1.1 Please indicate if information provided in this APR is disclosable outside the Green Climate Fund. *

- ☒ Yes - The Accredited Entity agrees that the information reported is disclosable.
- ☐ No - The information reported is partly confidential. The disclosable version of the APR will be attached.

If you select the second option [No - The information reported is partly confidential. The disclosable version of the APR will be attached], please follow the below steps.

- Step 1: Fill in all the sections of the APR with disclosable information.
- Step 2: Save each section using the 'PDF' function provided in the top-right corner. (Do NOT submit an APR at this step).
- Step 3: Attach all of the disclosable sections to the attachment boxes below, which will be shown once you check the second option only.
- Step 4: Update all the sections of the APR with non-disclosable information.
- Step 5: Submit the non-disclosable APR which herein enclose the disclosable APR in PDF format.

1.2 Please indicate if this report has been shared with the relevant NDA(s) for this Funded Activity

Yes

Once the APR is created in the PPMS, please use the 'Open as PDF' function to download the report in PDF format and to share with relevant authorities (i.e. NDAs) before submission. Select 'Yes' only if shared to ALL the relevant NDA(s).

Please Indicate the date of submission to NDA(s)

2025-03-01

If the APR is submitted to multiple NDAs, please indicate the latest date of submission to NDA, and provide the other dates per NDA in the further explanation box below.

Please provide further explanation, if any:

1.3 Funded Activity Title (Project/Programme Title)

Scaling-up Multi-Hazard Early Warning System and the Use of Climate Information in Georgia

1.4 Funding Proposal Reference Number

FP068

1.5 Board Meeting Number

19

1.6 Accredited Entity contacts for this APR

Full Name	
Benjamin Larroquette	
E-mail Address	Phone Number
benjamin.larroquette@undp.org	

1.7 Executing Entity(ies)

Full Name of Executing Entity
Ministry of Environmental Protection and Agriculture
Please confirm if the pre-filled name of Executing Entity(es) indicated in the funding proposal document is correct. Please update the information accordingly if there have been any changes since the project implementation. In addition, please clarify the Executing Entity(es) name precisely if needed. For example, if 'local financial institutions' was indicated as an EE in the funding proposal, please put their exact names here. You may want to add/remove rows if needed.
Please write the name of the country where the Executing Entity is headquartered.
Georgia
Actual Outputs delivered by Executing Entities
Output 1: Expanded climate-induced natural hazard observation network and modelling capacities secure reliable information on climate-induced hazards, vulnerability and risks Output 2: Multi-hazard earlywarning system and new climate information products supported with effective national regulations, coordination mechanism and institutional capacities Output 3: Improved community resilience through the implementation of the MHEWS and priority risk reduction measures
Please list the Outputs the executing entity is actually implementing whether it is based on the approved Funding Proposal or any other actual outputs that have been delivered.

1.8 Project Duration

From	To
2018-10-12	2027-04-12
Check if the extension request for the project duration was approved by the Secretariat during the reporting period.	
Please reach out to the GCF portfolio managers if you need an extension	
☒ Yes (it was extended)	
☐ No	

Please enter the extended end date of project implementation.

From	To
2018-10-12	2027-04-12

1.9 Current Year of Implementation

7
Indicate the year number, e.g., '2'

1.10 Annual reporting period covered in this report

From	To
2024-01-01	2024-12-31

Confirmation and Acknowledgement of Information *

* This is a required question to submit section 1 of the Annual Performance Report (APR).

☒ The accredited entity hereby confirms that the information provided in section 1 is complete and ready for submission.

administration of MHDRIS (17 people, 4 female and 13 male), d) Introductory training in flood modeling for university students at 4 universities (20 students, 15 female and 5 male). · With the engagement of international experts and close cooperation with NEA, the project: a) Enhanced meteorological forecasting by introducing global model data (ECMWF outputs and others) to local models, including NEA's local weather forecasting capabilities using High-Performance Computing (HPC) and advanced Data Assimilation techniques. This involved implementing the 3DVAR setup for the WRF model, resolving numerical instabilities, and improving WRF model accuracy. Hail and wind gust forecasting capabilities were developed, drought monitoring was improved with ERA5-LAND data, and seasonal forecasting systems were elaborated. Training sessions strengthened NEA's skills in forecast verification, data assimilation, and operational procedures. b) Verified the quality of satellite and weather radar data for use in hazard forecasting platforms. Additionally, data from GeoGlows is being integrated into the platform. c) Established hazard forecasting platforms, Delft-FEWS, for 11 selected river basins. d) Included flood forecasting models into the platform, automated the system, and produced flood maps. e) Developed conceptual approaches for landslide and avalanche forecasting. f) Defined threshold criteria for forecasting purposes in 7 river basins. g) Developed the MHEWS National Protocol and proposed solutions for last-mile communications, including technical aspects for the cell broadcasting system. · Developed the agrometeorological platform, GECSA, and provided climate-based recommendations to farmers. · Conducted capacity building for national stakeholders related to agricultural advisory services. · In partnership with the Scientific-Research Centre of Agriculture, work was initiated on introducing economic tools and approaches into the agricultural sector, following the roadmap developed under the project. · Multi-Hazard Risk Management plans were prepared for four river basins (Supsa, Kintrishi, Natanebi, and Khobistskali). · An EWS feasibility study for the Enguri HPP was developed. · The emergency management plan for Tbilisi was developed. · Six emergency management plans were adopted by local municipalities (Akhmeta, Telavi, Signagi, Lagodekhi, Gori and Kobuleti). Under Output 3: · Implementation of Gender Action Plan continued. · Baseline assessment of Impact Evaluation/KAP survey for non-structural measures was conducted in the first 6 river basins of western Georgia. · CBCRM planning was conducted in 45 most vulnerable communities in western Georgia. · In 2024 awareness-raising and capacity building activities were focused on 31 municipalities, where structural measures (covering 10 municipalities) are implemented, and in 45 most vulnerable communities (within 20 municipalities) in west Georgia. Educational activities covered 3 844 participants in total (69% women). · Annual competitions for schools, kindergartens and CBOs were conducted and winners were awarded. · Annual green camp – “Climate Ambassadors” conducted. In total, during the course of the project, more than 150 schoolchildren joined the Climate Ambassadors’ network. · Construction works for 2 GCF-funded sites finalized. · Construction of 1 MRDI-funded site finalized. By the end of 2024, all MRDI co-financed sites were finalized. 2.1.3 Update on Project Risks PMU continues to maintain an activity-level risk matrix that is an inclusive tool for risk tracking and monitoring that is updated bi-annually. A decrease in the overall risk is observed as compared to previous reporting periods of 2020-2024 June. However, the risk levels showed a tendency to remain unchanged within the period of June 2023 and June 2024. The decrease occurred during the last 6 months in 2024.

Provide a concise summary of progress towards achieving the logical Framework Indicators. Please focus on key milestones and measurable achievements during the reporting period. Additionally, please note that the data reported here does not contribute to the overall impact assessment and should instead be included in the "Progress Update on the Logic Framework Indicators" section.

2.2 Logical Framework Indicators

Provide an updated table of Fund-Level logical framework indicators and activities. To ensure alignment with GCF’s impact reporting, prioritize and maximize reporting on pre-defined core and Fund-level Impact Indicators (PMF) within the framework. Only after these parameters are fully exhausted should non-aggregable project or program-specific indicators be reported in the “Project/Programme-level Outcome & Output Indicators” section.

EDD+ RBP projects are only required to report on the progress of activities. If applicable, include information on sub-projects. For projects and programmes approved until B.31, the logical framework should focus on the mitigation and adaptation performance measurement frameworks (PMF). For projects and programmes approved from B.32 onwards, the logical framework should reflect the integrated results management framework (IRMF).

1. Progress Update on the Core Indicators (PMF)

In this section, report the 'annual value' for the reporting year, which includes results achieved during the current year from both current and ongoing activities carried over from previous years. Additionally, provide the 'cumulative value,' which represents the total results realized from all previous years up to the end of the reporting year. Reporting on both annual and cumulative values is mandatory. Ensure that targets are clearly defined and reported using the following categories: Midterm Target: The results to be achieved by the midpoint of implementation. Final Target: The results to be achieved by the conclusion of project or program implementation. Lifetime Target: The total results expected over the entire operational period of the project or program. Lastly, avoid using commas or periods as thousand separators. Periods should only be used as decimal separators.

Core Indicators (PMF)

- ☐ Mitigation Core Indicator 1 - Tonnes of carbon dioxide equivalent (tCO2eq) reduced as a result of GCF funded project/programme
- ☐ Mitigation Core Indicator 2 - Cost per tCO2eq decreased for GCF funded project/programme
- ☐ Mitigation Core Indicator 3 - Volume of finance leveraged by GCF funding (Disaggregated by public/private source)
- ☒ Adaptation Core Indicator 1 - Direct Beneficiaries of GCF funded project/programme
- ☒ Adaptation Core Indicator 2 - Indirect Beneficiaries of GCF funded project/programme
- ☒ Adaptation Core Indicator 3 - Number of total beneficiaries relative to total population



Adaptation Core Indicator 1 - Direct Beneficiaries of GCF funded project/programme (Units: number of individuals and percentage %)

Please provide the "annual value" of the number of direct beneficiaries who benefitted from GCF funding only during the reported calendar year. The 'Cumulative Value' refers to the total ex-post number of direct beneficiaries on a cumulative basis. Please note that all values should be based on total funding (GCF funding and co-financing).

Baseline	Baseline (% of female)
0	0 %
Value prior to the implementation of the project	Value prior to the implementation of the project
Current Value (Reporting Year)	Current Value (% of female)
4201	26 %
Verified value during the reporting period (gender-disaggregated if possible)	Verified value during the reporting period (gender-disaggregated if possible)
Cumulative Value	Cumulative Value (% of female)
35 277	52 %
Verified value up to the end of reporting period (gender-disaggregated if possible)	Verified value up to the end of reporting period (gender-disaggregated if possible)
Mid-term Target	Mid-term Target (% of female)
3 250	0.1 %
As per the logframe in the FP	As per the logframe in the FP
Final Target	Final Target (% of female)
1 700 000	52 %
As per the logframe in the FP	As per the logframe in the FP

Country Level Disaggregated Values

If the GCF Board has approved this project/programme as a single-country project/programme, please do not fill this section (country-level disaggregated values) below.

If this project/programme is approved as a multi-country project/programme and has started implementation in any of the countries as of this reporting year, please fill in this section.

Country

Please choose the country to report against, as submitted in the approved funding proposal.

Georgia

Baseline	Baseline (% of female)
	%
Value prior to the implementation of the project	Value prior to the implementation of the project
Current Value (Reporting Year)	Current Value (% of female)
	%
Verified value during the reporting period (gender-disaggregated if possible)	Verified value during the reporting period (gender-disaggregated if possible)
Cumulative Value	Cumulative Value (% of female)
	%
Verified value up to the end of reporting period (gender-disaggregated if possible)	Verified value up to the end of reporting period (gender-disaggregated if possible)
Mid-term Target	Mid-term Target (% of female)
	%
As per the logframe in the FP	As per the logframe in the FP
Final Target	Final Target (% of female)
	%
As per the logframe in the FP	As per the logframe in the FP

Remarks (including changes, if any)

Direct beneficiaries reported include people protected from flood-protective structures. Out of 13 flood protective structures 12 has been completed securing resilience of respective municipalities. 1.7M people is expected to be covered though functional MHEWS by the end of the project. Current value (reporting year): (2,959 - Lagodekhi (53% female); 661 – Pirveli Maisi (52% female); 581 – Shavghele (47% female) Target: Direct 1.7M people, 52% female (47% of population, 0.89M women and 0.82M men) in the vulnerable/ high risk communities and regions benefit from MHEWS. Direct 6,500 men and women benefit from flood protection.

Include additional relevant granular information, such as disaggregation by intervention/technology and the geographical location of the activities. Note that this section cannot be used to redefine cumulative values or targets in a way that deviates from the logframe methodology.



Adaptation Core Indicator 2 - Indirect Beneficiaries of GCF funded project/programme (Units: number of individuals and percentage %)

Please provide the "annual value" of the number of indirect beneficiaries who benefitted from GCF funding only during the reported calendar year. The 'Cumulative Value' refers to the total ex-post number of indirect beneficiaries on a cumulative basis. Please note that all values should be based on total funding (GCF funding and co-financing).

Baseline	Baseline (% of female)
0 Value prior to the implementation of the project	0 % Value prior to the implementation of the project
Current Value (Reporting Year)	Current Value (% of female)
3 844 Verified value during the reporting period (gender-disaggregated if possible)	69 % Verified value during the reporting period (gender-disaggregated if possible)
Cumulative Value	Cumulative Value (% of female)
13 458 Verified value up to the end of reporting period (gender-disaggregated if possible)	68 % Verified value up to the end of reporting period (gender-disaggregated if possible)
Mid-term Target	Mid-term Target (% of female)
0 As per the logframe in the FP	0 % As per the logframe in the FP
Final Target	Final Target (% of female)
3 600 000 As per the logframe in the FP	67.6 % As per the logframe in the FP

Country Level Disaggregated Values

If the GCF Board has approved this project/programme as a single-country project/programme, please do not fill this section (country-level disaggregated values) below.

If this project/programme is approved as a multi-country project/programme and has started implementation in any of the countries as of this reporting year, please fill in this section.

Country

Please choose the country to report against, as submitted in the approved funding proposal.

Georgia

Baseline	Baseline (% of female)
Value prior to the implementation of the project	% Value prior to the implementation of the project
Current Value (Reporting Year)	Current Value (% of female)
Verified value during the reporting period (gender-disaggregated if possible)	% Verified value during the reporting period (gender-disaggregated if possible)
Cumulative Value	Cumulative Value (% of female)
Verified value up to the end of reporting period (gender-disaggregated if possible)	% Verified value up to the end of reporting period (gender-disaggregated if possible)
Mid-term Target	Mid-term Target (% of female)
As per the logframe in the FP	% As per the logframe in the FP
Final Target	Final Target (% of female)
As per the logframe in the FP	% As per the logframe in the FP

Remarks (including changes, if any)

Cumulative value: 13,458 (with 9,151 women, 68% of female)

Include additional relevant granular information, such as disaggregation by intervention/technology and the geographical location of the activities. Note that this section cannot be used to redefine cumulative values or targets in a way that deviates from the logframe methodology.

Country

Please choose the country to report against, as submitted in the approved funding proposal.

Georgia

Share of direct beneficiaries relative to total population

Baseline

%

Value prior to the implementation of the project

Current Value (Reporting Year)

%

Verified value during the reporting period (gender-disaggregated if possible)

Cumulative Value

%

Verified value up to the end of reporting period (gender-disaggregated if possible)

Mid-term Target

%

As per the logframe in the FP

Final Target

%

As per the logframe in the FP

Share of female direct beneficiaries relative to total population

Baseline (female)

%

Value prior to the implementation of the project

Current Value (Reporting Year)

%

Verified value during the reporting period (gender-disaggregated if possible)

Cumulative Value (female)

%

Verified value up to the end of reporting period (gender-disaggregated if possible)

Mid-term Target (female)

%

As per the logframe in the FP

Final Target (female)

%

As per the logframe in the FP

Share of indirect beneficiaries relative to total population

Baseline

%

Value prior to the implementation of the project

Current Value (Reporting Year)

%

Verified value during the reporting period (gender-disaggregated if possible)

Cumulative Value

%

Verified value up to the end of reporting period (gender-disaggregated if possible)

Mid-term Target

%

As per the logframe in the FP

Final Target

%

As per the logframe in the FP

Share of female indirect beneficiaries relative to total population

Baseline (female)

%

Value prior to the implementation of the project

Current Value (Reporting Year)

%

Verified value during the reporting period (gender-disaggregated if possible)

Cumulative Value (female)

%

Verified value up to the end of reporting period (gender-disaggregated if possible)

Mid-term Target (female)

%

As per the logframe in the FP

Final Target (female)

%

As per the logframe in the FP



A1.1 Change in expected losses of lives and economic assets due to the impact of extreme climate-related disasters in the geographic area of the GCF intervention (Units: multiple, as applicable)

Please provide the "annual value" achieved only during the reported calendar year and the ex-post 'Current Value' on a cumulative basis.

Select A1.1 Units (as many as possible)

- ☐ Persons
- ☒ Economic Assets (in money value)
- ☐ Percentage % (reduction in losses of lives and economic assets)
- ☐ Other

Unit - Economic Assets

Currency

USD

Baseline	Current Value (Reporting Year)	Cumulative Value
0 Value prior to the implementation of the project	4 201 Verified value during the reporting period (gender-disaggregated if possible)	35 277 Verified value up to the end of reporting period (gender-disaggregated if possible)
Mid-term Target	Final Target	
2 000 000 As per the logframe in the FP	19 500 000 As per the logframe in the FP	

Country Level Disaggregated Values

If the GCF Board has approved this project/programme as a single-country project/programme, please do not fill this section (country-level disaggregated values) below.

If this project/programme is approved as a multi-country project/programme and has started implementation in any of the countries as of this reporting year, please fill in this section.

Country

Please choose the country to report against, as submitted in the approved funding proposal.

Georgia

▼

Select A1.1 Units (as many as possible)

☐ Persons

☐ Economic Assets (in money value)

☐ Percentage % (reduction in losses of lives and economic assets)

☐ Other

Remarks (including changes, if any)

Current value: Roughly 4,201 lives (52% women) protected by Lagodekhi, Pirveli Maisi and Shavghele flood-protective structures in 2024 from flooding.

Cumulative value: Roughly 35,277 lives (52% women) protected by 12 flood-protective structures implemented by the project.

Remarks: Structural and non-structural measures met their design standards in reducing the risks to populations and reduction in agricultural land losses.

Include additional relevant granular information, such as disaggregation by intervention/technology and the geographical location of the activities. Note that this section cannot be used to redefine cumulative values or targets in a way that deviates from the logframe methodology.



Results Areas		Outcome Name	
[Adaptation] Livelihoods of people and communities			
Output Name (under the afore-mentioned outcome)			
3. Improved community resilience through the implementation of MHEWS and priority risk reduction measures			
Please write 'Not Applicable' if the below-mentioned indicator is to be reported directly at the outcome level.			
Indicator Name			
3.4 Change in Knowledge, Awareness and Perception (KAP) of beneficiaries on local climate risk management options (including use and impact of the options)			
Unit			
%			
Baseline	Current Value (Reporting Year)		Cumulative Value
0	0		0
Value prior to the implementation of the project	Verified value during the reporting period (gender-disaggregated if possible)		Verified value up to the end of reporting period (gender-disaggregated if possible)
Mid-term Target	Final Target		
30	70		
As per the logframe in the FP	As per the logframe in the FP		
Remarks (including changes, if any)			
Baseline survey for the first 7 river basins of non-structural measures was finalized in 2024. Baseline data collection for Eastern Georgia 4 river basins to be completed in 2025.			
If applicable, please submit a supporting document describing the calculation methodology for the current values provided.			
3.4 kap baseline.xlsx			

Original timeline planned for this activity

Year 6, Q4 - Year 7, Q3

Please refer to the Implementation Plan in the FAA. If the Implementation Plan has been amended in the countersigned Amendment and Restatement Agreement (ARA), please refer to the updated plan in the ARA.

Progress for the relevant reporting period

Community-based climate risk management (CBCRM):

In 2024, CBDRM planning was conducted in 30 most vulnerable communities in 4 river basins: Rioni, Enguri, Khobi and Chorokhi – Acharistskali.

#	Community Name	River Basin	Municipality	Region
1	Samiqao	Rioni	Abasha	Samegrelo-zemo Svaneti
2	Ketilari	Rioni	Abasha	Samegrelo-zemo Svaneti
3	Likheti	Rioni	Ambrolauri	Racha-Lechkhumi-kvemo Svaneti
4	Tsirkvali	Rioni	Chiatura	Imereti
5	Katskhi	Rioni	Chiatura	Imereti
6	Lesitsine	Khobistskali	Chkhorotsku	Samegrelo-Zemo Svaneti
7	Khabume	Khobistskali	Chkhorotsku	Samegrelo-Zemo Svaneti
8	Gonio	Chorokhi	Khelvachauri	Adjara
9	Acharistskali	Chorokhi	Khelvachauri	Adjara
10	Khelvachauri	Chorokhi	Khelvachauri	Adjara
11	Kariata	Khobistskali	Khobi	Samegrelo-Zemo Svaneti
12	Gordi			



Remarks

3.1 MHEWS communities

CBCRM interventions implementation in at least 45 most vulnerable communities in western Georgia and planning for 50 most vulnerable communities in eastern Georgia.

Original timeline planned for this activity.

Year 4, Q3 - 30 high-risk communities are covered with the CBEWS and adopt gender sensitive CBCRM action.

Year 5, Q4 – 60 high-risk communities are covered with the CBEWS and adopt gender sensitive CBCRM action.

Year 7, Q4 - 100 high-risk communities are covered with the CBEWS and adopt gender sensitive CBCRM action

Please include a list of key milestones and deliverables expected to be executed in the next reporting period, if possible.

Allocated budget	Currency
5,008,561.12	USD
Utilized budget	Currency
421,478.74	USD

Project Output Name

3. Improved community resilience through the implementation of MHEWS and priority risk reduction measures

The output name should match with the output reported above. If you have multiple activities to be reported against one output, you need to write down the same output name for every activity.

Project Activity Name

Activity 3.2: Public awareness and capacity building to effectively deliver climate risk information for communities and local first responders

Status	Implementation Progress
Activity started - progress delayed	60 %

Original timeline planned for this activity

Y7 Q2, Q3

Please refer to the Implementation Plan in the FAA. If the Implementation Plan has been amended in the countersigned Amendment and Restatement Agreement (ARA), please refer to the updated plan in the ARA.

Despite progress in developing hazard and risk maps for 11 river basins and establishing a hazard information system within EMS, challenges with data access, exchange, and formats persist. These issues will be addressed through regulatory enhancements in 2025–2026.

Limited capacities of local municipalities in uptalking of the hazard and risk information was identified. Introductory trainings were initiated in 2024 to be followed up with more intensive capacity development interventions throughout 2025-2027.

Please provide a summary of lessons from addressing challenges during the reporting period.

Confirmation and Acknowledgement of Information *

* This is a required question to submit section 2 of the Annual Performance Report (APR).

☒ The accredited entity hereby confirms that the information provided in section 2 is complete and ready for submission.

