

SAP022

Enhancing Multi-Hazard Early Warning System to increase resilience of Uzbekistan communities to climate change induced hazards

Annual Performance Report CY2023 (for projects/programme approved under the PMFs)

Table of Contents

APR CY2023 Section 1: General Information - v1 2024-03-01 07:32 +09:00	3
[APR CY2023] Section 1: General Information	3
	3
	3
APR CY2023 Section 2: Implementation Progress (PMFs, B15~B31) - v1 2024-03-01 07:32 +09:00	5
[APR CY2023] Section 2: Implementation Progress (for projects/programme approved under the PMFs)	5
2.1 Overall (summary) project progress	5
2.2 Performance against the GCF investment criteria	7
2.3 Project Outputs Implementation Status	7
2.4 Progress Update on the Logic Framework Indicators	13
2.4.1 Core Indicators	13
2.4.2 A. Fund-level Impact Indicators	15
2.4.2 B. Fund-level Project/programme Outcome Indicators	16
2.4.3 Project/Programme-level Outcome & Output Indicators	17
2.5 Report on changes during implementation (include actual and expected changes)	21
2.6 Implementation challenges and lessons learned	22
2.7 Updated implementation timetable for the Funded Activity	22
2.8 [Private Sector Co-Investment Platform only] List of the ultimate beneficiaries (asset owners) or the investors (asset managers)	23
APR CY2023 Section 3: Financial Information - v1 2024-03-01 07:32 +09:00	24
[APR CY2023] Section 3: Financial Information	24
3.1 Annual Financial Performance Report	24
3.2 Unaudited Financial Statement	24
3.3 Disbursement projection	24
Approved budget by instrument	25
Cumulative Amount Disbursed from GCF to AE (until the end of 2023) by instrument	25
Undisbursed Balance (GCF Approved Funding)-(GCF Disbursed Funds)	25
Projected disbursements to be requested in all of 2024 (USD)	25
Projected disbursements to be requested in all of 2025 (USD)	25
Remaining budget	25
APR CY2023 Section 4: Environmental and Social Safeguards & Gender - v1 2024-03-01 07:32 +09:00	26
[APR CY2023] Section 4: Environmental and Social Safeguards & Gender	26
4.1 Implementation of environmental and social safeguards and gender elements	26
4.2 Gender Action Plan	31
4.3 Planned activities on environmental and social safeguards for the next reporting period	36
4.4 Planned activities on gender elements for the next reporting period	36
APR CY2023 Section 5: Annexes and Attachments - v1 2024-03-01 07:32 +09:00	38
[APR CY2023] Section 5: Annexes and Attachments	38
Annex 1: Accredited Entity compliance reports	38
Procurement information (on a voluntary basis)	38

APR CY2023 Section 1: General Information - v1 2024-03-01 07:32 +09:00

[APR CY2023] 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 *

2023

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)

2024-03-01

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)

Enhancing Multi-Hazard Early Warning System to increase resilience of Uzbekistan communities to climate change induced hazards

1.4 Funding Proposal Reference Number

SAP022

1.5 Board Meeting Number

28

1.6 Accredited Entity contacts for this APR

Full Name	
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E-mail Address	Phone Number
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1.7 Executing Entity(ies)

Full Name of Executing Entity
Ministry of Emergency Situations of the Republic of Uzbekistan
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.
Republic of Uzbekistan
Actual Outputs delivered by Executing Entities
Output 1: Upgraded hydro-meteorological observation network, modelling and forecasting capacities
Output 2: A functional impact-based Multi-Hazard Early Warning System is established based on innovative impact modelling, risk analyses, effective regional communication and community awareness
Output 3: Strengthened climate services and disaster communication to end-users
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
2021-07-19	2027-07-19

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

1.9 Current Year of Implementation

3

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

1.10 Annual reporting period covered in this report

From	To
2023-01-01	2023-12-31

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.

APR CY2023 Section 2: Implementation Progress (PMFs, B15~B31) - v1 2024-03-01 07:32 +09:00

[APR CY2023] Section 2: Implementation Progress (for
projects/programme approved under the PMFs)

Please note that this is section 2 of the five Annual Performance Report (APR) sections for projects/programmes that have been approved from B.15 to B.31. The APR will be considered valid only after all the five sections are filled with relevant details.

2.1 Overall (summary) project progress

Since the beginning of actual implementation of activities in 2022, the project was able to advance and succeed some good results despite to challenges faced during the implementation period. Throughout 2022-2023, the project extended support to Uzhydromet in modernization their hydrometeorological networks through provision and installation of automated weather stations (AWS), contactless Doppler water velocity and discharge measuring systems and acoustic profiler systems. Plus, the assistance was extended in establishing a Data Information Center (DIC) and improvement of communication systems of Uzhydromet at the central and regional departments levels. At the request of the Ministry of Emergency Situations (MES) of the Republic of Uzbekistan, the project developed a draft national standard on general technical requirements for the early warning system. In addition, the project developed a mobile application and assisted MES in modernization of their website for improvement of delivery of information and early warnings to the population of Uzbekistan, especially those living in remote areas. Furthermore, the project assisted MES in modernization of communication and information exchange system by equipping the Territorial Operational Management Centers (TOMC, former RCMC) of MES in 6 target regions by data visualization systems (video walls, telecommunication systems, servers and ICT storage). Special focus is given to capacity building of specialists of Uzhydromet, MES, national partners and communities. More than 1,385 people (33% women) from target communities and specialists of Uzhydromet, MES and line ministries improved their knowledge on climate change, early warning systems, gender equality, first aid, DRR, AWS and contactless water measuring equipment operation and maintenance, metrology of digital and analogue hydrometric equipment, and operation and maintenance of acoustic profilers, etc. In addition, the project organized two study tours to Kazakhstan and Georgia to learn their experience in the area of climate induced hazards forecasting and early warnings. Despite to late start of project implementation in 2022, the project was able to achieve key results and implementation of activities according to the revised Implementation Plan by the first quarter 2023. However, the delay of release of the second disbursement by GCF for almost 5 months and making it available at the end of October 2023 had significant negative impact on implementation pace and progress of the project. Moreover, if the same situation will repeat in 2024, it will not only affect on overall project's progress, but also will discredit the project and might create some distrust and loose of support from the government. Therefore, it is very important to ensure that the third disbursement will be made available to the project by the GCF without such delays in 2024.
2.1.1 Overall Progress Achieved Since Project Start Since the beginning of the project in 2022, the project in order to present project's goal, objectives and increase awareness about the project activities, the project conducted informational seminars in 7 target regions for representatives of MES, Uzhydromet, national ministries, organizations, target communities and mass media. The project also had number of meetings and workshops to discuss the project plans and implementation arrangements, as well as the grievance redress mechanism of the project with stakeholders and community members. During the implementation period, within the framework of Output 1, the project was able to modernize and automate meteorological network of Uzhydromet by installing additional 25 automated weather stations (AWS) in addition to the existing 60 AWS, which were installed earlier by Uzhydromet from the state and other donors' funds. Plus, the project also assisted Uzhydromet in modernization of their hydrological observation network by equipping them with 9 units of the contactless Doppler water velocity and water discharge measuring systems and 3 units of the Acoustic Doppler Current Profiler systems. The project also provided assistance to Uzhydromet in establishing a Data Informational Center (DIC) by equipping with ICT servers and networking facilities to integrate data streams (hydrometeorological and satellite-based observations) and automate processes and analyses (including hazard forecasts). The national organization was engaged to develop a landslide risk model, which will be a part of the integrated platform with risks models for assessing the risks of snow avalanches, mudflows and hydrological drought. Furthermore, the project with assistance of two international experts assessed the current condition of the existing Uzhydromet's atmospheric radar sounding network and corresponding recommendations were developed on restoring/reviving the functionality of existing C-band radars.

Within the framework of Output 2, the project assisted the Government of Uzbekistan in development of the draft National Standard of the Republic of Uzbekistan on General Technical Requirements for the System of warning and informing of population about threats and emergencies. In addition, the project provided assistance in development of the mobile application to deliver early warnings and information on mudflows, avalanches, landslides, and flooding risks to end-users living in disaster prone areas, including a new website of the Ministry of Emergency Situations and its regional departments. Plus, the project extended assistance in modernization the Territorial Operational Management Centers (former RCMC) of MES by procuring and installing data visualization systems in 6 out of 7 target regions. The TOMC in the last region was equipped by MES from the state funds.

The project also initiated the activities on development of the National Framework for Climate Services (NFCS) within the framework of Output 3. The preliminary baseline analysis was carried out and priority areas for the preparation of the National Framework for Climate Services were identified, including the roundtable discussion with national stakeholders on demand and needs for NFCS, designing process and related actions. The project identified and concluding a contract with international consulting company for development of the NFCS and business model for Uzhydromet.

In addition, the project with assistance of the international gender specialist reviewed the Gender Action Plan of the project and recommendations developed on mainstreaming and inclusion of gender aspects to project activities.

The project also conducted a vulnerability assessment of communities to the risk of climate change in 8 target communities located in 2 districts of Fergana and Namangan regions. Conducting of the same assessment in the rest 5 regions was scheduled for 2023, but due to late receipt (end of October 2023) of the funds from the donor, this activity was rescheduled to January 2024.

Furthermore, the project developed some information materials, booklets and infographics on mudflows, floods, avalanches and landslides, including 4 social videos about 4 types of climate risks (mudflows, floods, avalanches and landslides) in Uzbek, Russian and English with sign language translation for broadcasting via national TV and information boards located in disaster prone areas of the country.

2.1.2 Progress Achieved in 2023

In spite of challenges faced during the reporting period, the project was able to complete some activities on modernization of hydrometeorological observation networks of Uzhydromet. Particularly, the project completed installation of 25 AWS procured in 2022, including solar power stations for 10 AWSs, which are located in remote areas with limited access to the electric grid. Besides, 9 units of the contactless Doppler water velocity and water discharge measuring systems (GeoLux) and 3 units of the Acoustic Doppler Current Profiler systems (Xylem) were procured and made available to Uzhydromet. Plus, the project made a contract with Control Developments UK Ltd for supply of 35 units of water velocity measuring and water discharge calculation equipment, which should be delivered in January 2024.

ICT equipment was procured and provided to Uzhydromet to establish the Data Information Center for integrating of data obtained from observation systems (hydrometeorological and satellite-based observations) and automation of processes and analysis of data (including hazard forecasts). The project also provided 10 sets of audio-video-conference communication systems for central and regional departments of Uzhydromet. The installed systems will improve the information and data exchange of Uzhydromet between the central and regional departments, thus improving the quality and timeliness of information exchange and decision-making processes.

In addition, the project organized a study tour to Kazakhstan for representatives of Uzhydromet to learn their experience in the area of mitigation of risks related to flood, flashflood and mudflow with outburst moraine lakes genesis. As a result of the visit, the project engaged a specialist of GA "Kazselezashita" for developing and conducting of the training program for specialists of Uzhydromet on assessing the risk of mudflow and flood activity and socio-economic and environmental risks associated with mudflow and flood activity. Also, the project organized a study tour to Georgia for representatives of Uzhydromet, MES and specialists of the project to learn their experience in implementing the similar project in Georgia with focus on modelling and forecasting of climate induced hazards, socio-economic assessment and establishing of MHEWS. During the visit, the mission participants met with representatives of main partners of the project, the Emergency Management Service (EMS), the National Environmental Agency (NEA), local consulting company and the Public Safety Command Center of Tbilisi. This visit was very efficient and useful in terms of exchange of the relevant experience, approaches and information, learning the lessons and discussion potential risks and associated remedy options. The establishing and furthering communication between the two projects within such South-South cooperation approach is and will be further very instrumental and win-win for both project activities.

Furthermore, the project, based on request of MES, developed a draft National Standard of the Republic of Uzbekistan on General Technical Requirements for the System of warning and informing of population about threats and emergencies. The document establishes the classification and general technical requirements for technical means of warning the population intended for use as part of warning systems and informing the population about threats or emergencies. The document has been reviewed and cleared by line responsible ministries and agencies, including the MES and transferred to the Ministry for further adoption by the government.

Within the framework of Output 2, the project also assisted MES in modernization of the Territorial Operational Management Centers (TOMC) in 6 target regions. The project procured and installed 6 sets of audio-visual equipment for 6 TOMCs for improvement and automation of data and information exchange with the National Center for Emergency Management and Response (NCEMR) of MES, line ministries and agencies, and regional administrations. In addition, the project concluded a contract for supply of 13 outdoor information boards, which are planned to be delivered and transferred to MES for further installation in target regions in January 2024.

More than 845 people (320 women) from target communities and specialists of Uzhydromet, MES and line ministries improved their knowledge on first aid, DRR, AWS and contactless water measuring equipment operation and maintenance, metrology of digital and analogue hydrometric equipment, and operation and maintenance of acoustic profilers. Plus, in cooperation with MES, Red Crescent Society in Uzbekistan, local administration and representatives of target

community in Namangan region, the project organized an educational evacuation drill dedicated to International Day for Disaster Risk Reduction (IDDRR) with engagement of 350 people from the local community.

2.1.3 Update on Project Risks

Following to the Presidential Decree #269 dated by 21 December 2022, the Center of Hydrometeorological Services was renamed to the Agency of Hydrometeorological Services and merged with the newly established Ministry of Ecology, Environment Protection and Climate Change of the Republic of Uzbekistan at the beginning of 2023. This structural change, including the changes in senior management and staffing, had some consequences on the project in terms of delaying decision making processes and some project activities related to modernization of observation systems and capacity building of Uzhydromet. UNDP CO and the project keep close relationship with senior management of Uzhydromet to ensure smooth implementation of planned project activities.

The main challenge faced by the project in 2023 was the delay of release of the second disbursement by the donor. Although, the request for second disbursement was sent to GCF on 6 June 2023, the funds were transferred to UNDP on 22 October 2023 and only on 30 October 2023 they were made available for the project use. Due to the shortage of available resources for project activities, the project during July-August 2023 borrowed some funds (approx. USD440K) from other projects for at least launching some pending procurement cases, which were time consuming and long-term in terms of execution. However, it was not sufficient to implement all planned activities for the current year, since the budget for Y2023 was USD2.9 mln. and project had only USD340K remaining and available from the first disbursement. In order to avoid such situation in 2024, the project is planning to reach 70% delivery threshold in January 2024 and initiate the process of third disbursement request. However, if the review and approval of the request by donor will be lengthy as it was in 2023 (almost 5 months), there is a high risk that the project will face significant delays in implementation of project activities and utilization of funds, including delay in successful achievement of project results and indicators.

Provide a narrative report describing the overall progress on the implementation of the funded activity, focusing on implementation achievements, delays, and challenges according to the planned activities. For project/programme with on-lending and equity investment into the projects or companies, kindly provide information on the projects/companies where such investment was made during the calendar year including the implementation status of the invested project or companies' operation. As relevant, include references to other sections of this report (including Annexes or Attachments). Include a description of key milestones of the funded activity achieved during this reporting year (for example, during 2022 only) including any deviations from original expectations. Also, describe challenges encountered and actions undertaken to resolve these challenges, and lessons learned during the implementation, including issues related to non-compliance with GCF standards or conditions, if any. In parallel, include positive achievements and better-than-expected results. If any issues have arisen in the last twelve (12) months of implementation that may result in a change to the scope and/or timing of the project, please provide a description of those items and how they have impacted the implementation period and final targets. Kindly make sure that this section just gives an overall summary and doesn't have overlap with other sections.

2.2 Performance against the GCF investment criteria

Please check the box as applicable.

☒ The performance of the project/programme against the GCF investment framework criteria remains aligned with the Funding Proposal.

☐ The performance of the project/programme against the GCF investment framework criteria deviates from the assumptions made in the Funding Proposal.

Relevant Links

[The GCF investment criteria framework](#)

2.3 Project Outputs Implementation Status

Please note the below fields are mandatory but only a one-time activity. Please fill out the project output details regardless of any progress made so far, which will be auto-populated in the next APR and on wards.

Use 'Add Row' button to add multiple outputs and/or activities reported against one output

Project Output Name *		
Output 1: Upgraded hydro-meteorological observation network, modelling and forecasting capacities		
The output name should match with the output reported in the sub-section 2.4.3. 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 1.1 Upgrading and modernization of the meteorological and hydrological Observation System		
Status *	Implementation Progress *	
Activity started - progress on track	45	%

Original timeline planned for this activity *

Year 3 and Year 4

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

1. The project completed installation of 25 AWS at the locations of Uzhydromet. Dedicated thematic trainings on use and maintenance of AWS were conducted by the expert MicroStep for specialists of Uzhydromet at each station. As a result, 124 specialists (64 women) of Uzhydromet increased their knowledge and skills on AWS usage and maintenance.
2. In addition, the project procured and installed solar power equipment (10 Photo Voltaic stations with 2kWt capacity, including charger, controller, inverter and accumulators) for amount of USD70,230 for 10 AWSs, which are located in remote areas with limited access to the electric grid.
3. The project, in consultation with specialists of Uzhydromet, developed technical specifications for hydrological water measuring equipment to be procured for modernization of hydrological observation network of Uzhydromet. Based on those technical specification open tenders were announced for supply of required equipment. Thus, the project procured 3 units of the Acoustic Doppler Current Profiler systems (USD 96,200) from Xylem Ltd. and 9 units of the contactless Doppler water velocity and water discharge measuring systems (Euro 84,465) from GeoLux d.o.o. were supplied and installed on existing hydrological posts of Uzhydromet. The tailored on-hand technical trainings were conducted for specialists of Uzhydromet, MES, Ministry of Water and other institutions working in this area. 94 people (33 women) participated and improved their knowledge on advanced hydrological technologies and water measuring systems.
4. Further, the project concluded the contract with Control Developments UK Ltd for supply of 35 units of water velocity measuring and water discharge calculation equipment (USD199,950), which has to be delivered in January 2024. Upon completion of supply of the equipment, the supplier will provide an online thematic training for specialists of Uzhydromet on usage and maintenance of the equipment.
5. The project in consultation with specialists of Uzhydromet developed a draft of the technical specifications for procurement of the metrological laboratory equipment for verification of hydrometeorological instruments and sensors.
6. Due to insufficiency of the available budget, the recruitment of the international expert for resuming full functionality of the existing C-band radar (Selex) was shifted to 2024.

Provide an updated progress on this project activity for the relevant reporting period, including delays and issues encountered, the reason for differences between the planned implementation progress and actual implementation progress, key milestones reached, and lessons learned, including issues related to non-compliance with GCF standards or conditions, vis-à-vis expectations, if any. In parallel, include positive achievements and better-than-expected results.

Key milestones and deliverables for the next reporting period

1. Complete supply of 35 units of water velocity measuring and water discharge calculation equipment and online training on usage and maintenance of the equipment.
2. Procurement and installation of 2 X-band meteorological radars.
3. Recruitment of international experts to resume full functionality of the existing C-band radar (Selex) in Samarkand.

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

Project Output Name *

Output 1: Upgraded hydro-meteorological observation network, modelling and forecasting capacities

The output name should match with the output reported in the sub-section 2.4.3. 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 1.2 Upgrading Uzhydromet capacity to store, process and develop hazard products, as well as to communicate hydrometeorological data to regional divisions.

Status *

Activity started - progress on track

Implementation Progress *

30

%

Original timeline planned for this activity *

Year 2 and Year 3

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

1. The project extended support in establishing a Data Informational Center (DIC) of Uzhydromet by equipping with ICT servers and networking facilities to integrate data streams (hydrometeorological and satellite-based observations) and automate processes and analyses (including hazard forecasts). IT equipment (USD83,196) for establishing the Data Center has been procured and delivered to Uzhydromet.
2. 10 sets of audio-video-conference communication integrated systems (USD92,247) were procured and installed at the central and regional departments of Uzhydromet. The installed systems will improve the information and data exchange of Uzhydromet between the central and regional departments, thus improving the quality and timeliness of information exchange and decision-making processes.
3. The project through the open tender identified and concluded a contract (USD154,000) with Uzbekhydrogeology SUE for development of landslide risks assessment model for 5 regions of Uzbekistan. The model will assess the risk of landslide using statistical and other models describing the mechanism of the risk of landslide descent and the use of GIS technologies, with the issuance of a warning about the risk of landslide in a concise and understandable form for the general public with the greatest possible lead time.
4. The project, in consultation with specialists of Uzhydromet and other international experts, developed a draft Terms of Reference (TOR) for development of an integrated platform of data from observation networks and risks models for assessing the risks of snow avalanches, floods/flash-floods and hydrological drought. Upon completion of development of the landslide risk assessment model by Uzbekhydrogeology, this model will also be integrated into this platform, thus providing outputs for 4 main climate risks existent in Uzbekistan. In order to engage the qualified and experienced experts and consulting companies for this assignment, the project is planning to announce an open international tender (RFP) in January 2024.

Provide an updated progress on this project activity for the relevant reporting period, including delays and issues encountered, the reason for differences between the planned implementation progress and actual implementation progress, key milestones reached, and lessons learned, including issues related to non-compliance with GCF standards or conditions, vis-à-vis expectations, if any. In parallel, include positive achievements and better-than-expected results.

Key milestones and deliverables for the next reporting period

1. Development of landslide risks assessment, testing and calibration of results.
2. Completing the tender and concluding the contract for development of the models for hydrological drought, floods/flash-floods and avalanches assessment, including a data integration platform.

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

Project Output Name *

Output 1: Upgraded hydro-meteorological observation network, modelling and forecasting capacities

The output name should match with the output reported in the sub-section 2.4.3. 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 1.3 Re-training and advanced training of Uzhydromet staff on monitoring and forecasting technologies and procedures (training of MES staff is covered in Output 2 below).

Status *

Activity started - progress on track

Implementation Progress *

30

%

Original timeline planned for this activity *

Each year throughout project

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

1. The project engaged a national consultant to assess the capacity assessment of Uzhydromet. Based on findings of the assessment, the recommendations for training programs to improve the capacity of Uzhydromet specialists were developed.
2. 316 specialists (184 men and 132 women) of Uzhydromet and some line ministries increased their knowledge and skills on AWS operation and maintenance, metrology of the analogue and digital equipment, use of acoustic water profilers and contactless water discharging measuring equipment, and multi-aspects natural hazards risk assessment.
3. The project is recruiting international experts to improve knowledge and skills of Uzhydromet experts on designing effective hydrometeorological monitoring networks.

Provide an updated progress on this project activity for the relevant reporting period, including delays and issues encountered, the reason for differences between the planned implementation progress and actual implementation progress, key milestones reached, and lessons learned, including issues related to non-compliance with GCF standards or conditions, vis-à-vis expectations, if any. In parallel, include positive achievements and better-than-expected results.

Key milestones and deliverables for the next reporting period

1. Conduct training on designing effective hydrometeorological monitoring networks for Uzhydromet specialists.
2. Conduct trainings on use of the agrometeorological and water risks management decision support tools (WEAP&CropWat) for Uzhydromet specialists.
3. Conduct advanced trainings on concept and use of the modelling for hydrological forecasting purposes for Uzhydromet specialists.
4. Conduct introductory training on hydrometeorological data homogenization approaches for Uzhydromet specialists.

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

Project Output Name *

Output 2: A functional impact-based Multi-Hazard Early Warning System is established based on innovative impact modelling, risk analyses, effective regional communication and community awareness

The output name should match with the output reported in the sub-section 2.4.3. 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 2.1 Developing and installing a modernised and efficient system for assessing climate risks based on dynamic information on both hazards and vulnerabilities, including socio-economic risk models for decision making and prioritization of resilience-building long-term/future investments.

Status *	Implementation Progress *	
Activity started - progress delayed	5	%

Original timeline planned for this activity *

Year 3

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

1. In consultation with international experts, the project developed a draft TOR for development of socio-economic assessment model. However, the recruitment of the international expert and development of the model were re-scheduled for 2024, due to late receipt of the second disbursement from the donor.
2. The project in consultation with specialists of MES, developed a draft of technical specifications for the MHEWS software and hardware (Multi-Functional Mobile Monitoring and Warning System). The project is planning to announce an open international tender (RFQ) for procurement of the equipment/software in the first quarter of 2024.

Provide an updated progress on this project activity for the relevant reporting period, including delays and issues encountered, the reason for differences between the planned implementation progress and actual implementation progress, key milestones reached, and lessons learned, including issues related to non-compliance with GCF standards or conditions, vis-à-vis expectations, if any. In parallel, include positive achievements and better-than-expected results.

Key milestones and deliverables for the next reporting period

1. Recruitment of the expert/company for development of socio-economic assessment model.
2. Procurement of the Multi-Functional Mobile Monitoring and Warning System (MMMWS) for MES.
3. Development of Geo-informational integration system for data collection and analysis received from Uzhydromet and other organizations/ministries.

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

Project Output Name *

Output 2: A functional impact-based Multi-Hazard Early Warning System is established based on innovative impact modelling, risk analyses, effective regional communication and community awareness

The output name should match with the output reported in the sub-section 2.4.3. 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 2.2 Developing and introducing technical guidance, institutional and coordination frameworks

Status *	Implementation Progress *	
Activity started - progress on track	50	%

Original timeline planned for this activity *

Year 2 and Year 3

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

1. The project, based on request of the Ministry of Emergency Situations (MES), developed a draft National Standard of the Republic of Uzbekistan on General Technical Requirements for the System of warning and informing of population about threats and emergencies. The document defines and establishes the classification and general technical requirements for public warning equipment to be used as part of warning systems and informing the population about threats or emergencies. The document has been reviewed and cleared by line responsible ministries and agencies (Ministry of Defence, Ministry of Digital Technologies, Technical Committee and Standardization of MES, Uzbek Agency for Technical Regulation under the Ministry of Investment, Industry and Trade of the Republic of Uzbekistan), including the MES and transferred to the Ministry for further adoption by the government.
2. The project engaged the national expert to design and conduct institutional survey for assessing the level of coordination within MHEWS. The assignment is expected to be completed during the first quarter of 2024.

Provide an updated progress on this project activity for the relevant reporting period, including delays and issues encountered, the reason for differences between the planned implementation progress and actual implementation progress, key milestones reached, and lessons learned, including issues related to non-compliance with GCF standards or conditions, vis-à-vis expectations, if any. In parallel, include positive achievements and better-than-expected results.

Key milestones and deliverables for the next reporting period

1. Conducting an institutional survey for assessing and development of recommendations on improvement of the level of coordination within MHEWS.

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

Project Output Name *

Output 2: A functional impact-based Multi-Hazard Early Warning System is established based on innovative impact modelling, risk analyses, effective regional communication and community awareness

The output name should match with the output reported in the sub-section 2.4.3. 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 2.3 Designing and implementing a system for information dissemination to RCMCs and area-specific mobile alerts including an information visualization system for RCMCs with software.

Status *

Activity started - ahead of schedule

Implementation Progress *

90

%

Original timeline planned for this activity *

Year 3-Year 5

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

1. The project procured and installed 6 sets (USD490,000) of data visualization systems (video walls, telecommunication systems, servers and ICT storage) at the Territorial Operational Management Centers (TOMC, former RCMC) of MES in 6 target regions for improvement and automation of data and information exchange between the National Center for Emergency Management and Response (NCEMR) of MES, line ministries and agencies, and regional administrations. The project provided assistance to MES in modernization of 6 TOMCs, due to increase of prices and budget constraints. Therefore, MES modernized 1 TOMC in Samarkand region from state funds, as part of co-financing contribution of MES.
2. The mobile application has been finalized and available on the Play Store (Android devices) and Apple Store (iOS devices) for downloading and usage by the population. However, it has to be noted that both, Google and Apple, requested the developers to exclude the "SOS" button from the application, because it conflicts with companies' policies on customer data security and privacy, since this function requires access to user's data and location information. This button was one of the key features of the application, since it could allow the rescue team of MES to identify automatically the location of the person in case of emergency.
3. The project assisted MES in modernization of the website of MES and its TOMCs in 11 regions. The single integrated platform is used for the website and the mobile application, which was developed by the project for delivering early warnings and information on mudflows, avalanches, landslides, and flooding risks to end-users living in disaster prone areas.

Provide an updated progress on this project activity for the relevant reporting period, including delays and issues encountered, the reason for differences between the planned implementation progress and actual implementation progress, key milestones reached, and lessons learned, including issues related to non-compliance with GCF standards or conditions, vis-à-vis expectations, if any. In parallel, include positive achievements and better-than-expected results.

Key milestones and deliverables for the next reporting period

1. Finalization of the integrated platform used by mobile application and website of MES.

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

Project Output Name *

Output 3: Strengthened climate services and disaster communication to end-users

The output name should match with the output reported in the sub-section 2.4.3. 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 3.1 Establishing National Framework for Climate Services for Uzbekistan.

Status *

Activity started - progress delayed

Implementation Progress *

20

%

Original timeline planned for this activity *

Year 2 and Year 3

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

1. The project developed TOR and announced an open tender among consulting companies for elaboration of the National Framework for Climate Services (NFCS), which is on the final stage of contracting process. The delay of this activity was caused due to late receipt of funds (30 October 2023) from the donor; thus, the actual implementation of this activity was re-scheduled to 2024.

Provide an updated progress on this project activity for the relevant reporting period, including delays and issues encountered, the reason for differences between the planned implementation progress and actual implementation progress, key milestones reached, and lessons learned, including issues related to non-compliance with GCF standards or conditions, vis-à-vis expectations, if any. In parallel, include positive achievements and better-than-expected results.

Key milestones and deliverables for the next reporting period

1. Development of NFCS concept and Action Plan.
2. Conduct a roundtable meeting to present and discuss the NFCS Concept and Action Plan with national stakeholders.
3. Development of information brochure and infographics on NFCS.
4. Organization of a National Climate Outlook Forum.

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

Project Output Name *

Output 3: Strengthened climate services and disaster communication to end-users

The output name should match with the output reported in the sub-section 2.4.3. 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 Designing a sustainable business model for disaster-related information and services.

Status *

Activity started - progress delayed

Implementation Progress *

10

%

Original timeline planned for this activity *

Year 3 and Year 4

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

1. This activity will be implemented along with the assignment on development of the NFCS. This is going to be one contract with a company that will be engaged for execution of both assignments. The process of signing the contract for this assignment is on final stage and implementation of activities are scheduled for 2024.

Provide an updated progress on this project activity for the relevant reporting period, including delays and issues encountered, the reason for differences between the planned implementation progress and actual implementation progress, key milestones reached, and lessons learned, including issues related to non-compliance with GCF standards or conditions, vis-à-vis expectations, if any. In parallel, include positive achievements and better-than-expected results.

Key milestones and deliverables for the next reporting period

1. Conduct a comprehensive analysis of the existing and future potential of Uzhydromet and MES on provision of disaster-related and climate services.
2. Development of flexible and effective business models for Uzhydromet and MES that ensure sustainable commercialization of the provision of disaster-related and climate services.

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

Project Output Name *

Output 3: Strengthened climate services and disaster communication to end-users

The output name should match with the output reported in the sub-section 2.4.3. 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 3.3 Strengthening disaster warning dissemination and communication with end-users.

Status *

Activity started - progress on track

Implementation Progress *

40

%

Original timeline planned for this activity *

Year 3-Year 6

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

1. The project through the open tender identified and concluded a contract (USD483,200) with a vendor for supply of 13 outdoor information boards to be installed in target regions of the project for warning and informing the population living in disaster prone areas about threats and emergencies. The boards are planned to be delivered and transferred to MES for further installation in target regions in January 2024.
2. On 16 November 2023, in cooperation with MES, Red Crescent Society in Uzbekistan and local administration of Kasansay district, representatives of Obodon community, the celebration of the International Day for Disaster Risk Reduction (IDRR) and educational evacuation drill were organized with engagement of 350 people from the local community. During the event, the community members increased their knowledge and skills on actions during the flash-floods and possible consequences, including the process of organizing the evacuation of residents to tent camps, providing medical care and temporary accommodation for residents of the community.
3. More than 530 people from vulnerable communities improved their knowledge on first aid, grievance and redress mechanism, and disaster risk reduction through thematic seminars organized in 15 target districts of 7 regions.
4. The project recruited 3 national experts to conduct vulnerability assessment of communities to the risk of climate change in 36 target communities located in the remaining 5 regions of the project. The implementation of this assignment was delayed because of insufficiency of funds in the project budget, due to late receipt of funds from the donor. Therefore, field activities will be conducted in target communities and the assessment will be finalized in 2024.

Provide an updated progress on this project activity for the relevant reporting period, including delays and issues encountered, the reason for differences between the planned implementation progress and actual implementation progress, key milestones reached, and lessons learned, including issues related to non-compliance with GCF standards or conditions, vis-à-vis expectations, if any. In parallel, include positive achievements and better-than-expected results.

Key milestones and deliverables for the next reporting period

1. Conduct vulnerability assessment in the remaining 36 target communities of 5 regions.
2. Procurement and installation of additional 13 outdoor information boards in selected target districts of the project.
3. Conduct a training for MES regional staff on gender mainstreaming in DRR.
4. Conduct thematic trainings on disaster preparedness planning, gender mainstreaming in DRR and consultations on GRM for community leaders and local partners.
5. Production of a short video on area-specific mobile application developed within Activity 2.3 for promotion and ensuring a wide usage by the population, especially by those living in disaster prone areas.
6. Development of information brochure and infographics on DRR and EWS.

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

2.4 Progress Update on the Logic Framework Indicators

Under this section, please report the 'annual value' for the reporting year only (for example, during 2023 only). Also report 'cumulative value' achieved as of the end of the reporting year as well as 'baseline', 'midterm target', 'final target', and 'expected lifetime emission reduction target'. Please note that the baseline and the respective target values should be reported for the total funding amount (GCF funding and co-financing) of the project. Also note that all these values should reflect information from the most recent/updated logical framework (logframe) agreed to with the GCF, whether through the FAA amendment process, submission and approval of the inception report, baseline assessment/study, APRs, and/or correspondence with GCF's portfolio managers on any logframe changes. If the most updated logframe deviates from that approved in the funding proposal, please provide clarification as to why there have been changes for each applicable indicator in the 'Remarks' box. For example, the clarification may include but is not limited to: 'the logframe was revised during the FAA negotiation process' or 'a baseline assessment has been completed as of August 2023 and the assessment has been submitted to the GCF for approval' or 'the revised baseline and target values have been submitted via the previous APR cycle and approved by the GCF' or 'the project logframe is being revised, and the FAA amendment process is currently ongoing with the GCF' etc. In case where a measurement methodology has been revised in agreement with the GCF for any indicators in the logframe, please attach supporting documentation describing the calculation methodology of all applicable indicators in APR Section 5 'Annexes and Attachments'.

This sub-section 2.4 is not applicable for REDD+ Results-Based Payments Projects. Please write 'Not Applicable' as the response.

2.4.1 Core Indicators

Select applicable core indicators

- ☐ 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 %
Annual Value (Reporting Year)	Annual Value (% of female)
846	37.8 %
Cumulative Value	Cumulative Value (% of female)
1 386	32.8 %
Mid-term Target	Mid-term Target (% of female)
2 259 200	50.1 %
Final Target	Final Target (% of female)
11 296 000	50.1 %

Remarks (including changes, if any)

The annual total numbers of beneficiaries provided here are the number of people benefitted from thematic trainings and workshops organized by the project.

The direct beneficiaries of MHEWS will be provided when it will be fully operational.

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	0 %
Annual Value (Reporting Year)	Annual Value (% of female)
0	0 %
Cumulative Value	Cumulative Value (% of female)
0	0 %
Mid-term Target	Mid-term Target (% of female)
1 619 500	30 %
Final Target	Final Target (% of female)
32 390 000	49.83 %

Remarks (including changes, if any)

The total indirect beneficiaries can be calculated only when the MHEWS will be fully installed and operational.

Adaptation Core Indicator 3 - Number of total beneficiaries relative to total population (Units: percentage %)

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

Share of direct beneficiaries relative to total population

Baseline	Annual Value (Reporting Year)	Cumulative Value
0	0.002	0.004
Mid-term Target	Final Target	
6.98	34.85	

Share of female direct beneficiaries relative to total population

Baseline (female)	Annual Value (Reporting Year)	Cumulative Value (female)
0	0.0009	0.001
Mid-term Target (female)	Final Target (female)	
3.48	17.38	

Share of indirect beneficiaries relative to total population

Baseline	Annual Value (Reporting Year)	Cumulative Value
0	0	0
Mid-term Target	Final Target	
50	100	

Share of female indirect beneficiaries relative to total population

Baseline (female)	Annual Value (Reporting Year)	Cumulative Value (female)
0	0	0
Mid-term Target (female)	Final Target (female)	
15	50.16	

Remarks (including changes, if any)

Select applicable impact indicators

[Important Note] Please note that at least mitigation core indicator 1 (for mitigation projects) and adaptation core indicator 1 and/or 2 (for adaptation projects) must be selected in 2.4.1 above before you select 2.4.2A, even in the case where the FAA does not specifically mention about reporting on core indicators. Since 2.4.2 is a breakdown of 2.4.1, the sum of 2.4.2 should be aligned with 2.4.1. For example, if you select M1.1 and M3.1 in 2.4.2A, 2.4.1 Mitigation Core Indicator 1 must be selected and the sum of the values reported in M1.1 and M3.1 must be entered as Mitigation Core indicator 1 value.

- ☐ M1.1 Tonnes of carbon dioxide equivalent (tCO2eq) reduced or avoided as a result of increased low-emission energy access and power generation
- ☐ M2.1 Tonnes of carbon dioxide equivalent (tCO2eq) reduced or avoided as a result of increased access to low-emission transport
- ☐ M3.1 Tonnes of carbon dioxide equivalent (tCO2eq) reduced or avoided as a result of buildings, cities, industries and appliances
- ☐ M4.1 Tonnes of carbon dioxide equivalent (tCO2eq) reduced or avoided as a result of sustainable management of forests and conservation and enhancement of forest carbon stocks
- ☒ 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
- ☐ A1.2 Number of males and females benefiting from the adoption of diversified, climate resilient livelihood options (including fisheries, agriculture, tourism, etc.)
- ☐ A1.3 Number of Fund funded projects/programmes that supports effective adaptation to fish stock migration and depletion due to climate change
- ☐ A2.1 Number of males and females benefiting from introduced health measures to respond to climate-sensitive diseases
- ☐ A2.2 Number of food secure households (in areas/periods at risk of climate change impacts)
- ☐ A2.3 Number of males and females with year round access to reliable and safe water supply despite climate shocks and stresses
- ☐ A3.1 Number and value of physical assets made more resilient to climate variability and change, considering human benefits (reported where applicable)
- ☐ A4.1 Coverage/scale of ecosystems protected and strengthened in response to climate variability and change
- ☐ A4.2 Value of ecosystem services generated or protected in response to climate change

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 Units (as many as possible)

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

Unit - Persons

Baseline	Annual Value (Reporting Year)	Cumulative Value
8	2	2
Mid-term Target	Final Target	
0	4	

Unit - Economic Assets

Currency

USD

Baseline	Annual Value (Reporting Year)	Cumulative Value
312 300 000	0	0
Mid-term Target	Final Target	
0	9 370 000	

Remarks (including changes, if any)

The outdoor information boards (13 units) procured by project will be installed by MES in vulnerable communities during 2024.

Select applicable outcome indicators

Please choose Project Outcome Indicators from the list below. In case you changed your project outcome indicator names from the official ones below to project-specific ones, please choose the most relevant indicators from the below list and write the changed indicator name in the Remark text field at the bottom.

- ☐ M5.1 Institutional and regulatory systems that improve incentives for low emission planning and development and their effective implementation
- ☐ M5.2 Number and level of effective coordination mechanisms
- ☐ M6.1 Proportion of low-emission power supply in a jurisdiction or market
- ☐ M6.2 Number of households, and individuals (males and females) with improved access to low-emission energy sources
- ☐ M6.3 MWs of low emission energy capacity installed, generated and/or rehabilitated as a result of GCF support
- ☐ M7.1 Energy intensity/improved efficiency of buildings, cities, industries and appliances as a result of Fund support
- ☐ M8.1 Number of additional female and male passengers using low-carbon transport as a result of Fund support
- ☐ M8.2 Vehicle fuel economy and energy source as a result of Fund support
- ☐ M9.1 Hectares of land or forests under improved and effective management that contributes to CO2 emission reductions
- ☐ M10.1 Number of technologies and innovative solutions transferred or licensed to support low-emission development as a result of Fund support
- ☐ A5.1 Institutional and regulatory systems that improve incentives for climate resilience and their effective implementation.
- ☐ A5.2 Number and level of effective coordination mechanisms
- ☐ A6.1 Use of climate information products/services in decision-making in climate-sensitive sectors
- ☐ A7.1 Use by vulnerable households, communities, businesses and public-sector services of Fund supported tools, instruments, strategies and activities to respond to climate change and variability
- ☐ A7.2 Number of males and females reached by [or total geographic coverage of] climate related early warning systems and other risk reduction measures established/ strengthened
- ☐ A8.1 Number of males and females made aware of climate threats and related appropriate responses
- ☐ A9.1 Number of technologies and innovative solutions transferred or licensed to promote climate resilience as a result of Fund support

2.4.3 Project/Programme-level Outcome & Output Indicators

Please provide the "annual value" achieved only during the reported calendar year and the ex-post 'Cumulative Vavalue' on a cumulative basis. If you have multiple outputs to be reported against one outcome, you need to write down the same outcome name for every output. Likewise, if you have multiple indicators to be reported against one output, you need to write down the same output name and corresponding outcome name for every indicator.

Use 'Add row' button to add multiple outcomes, outputs and/or indicators.

Results Areas		Outcome Name	
[Adaptation] Livelihoods of people and communities		Indicator 1	
Output Name (under the afore-mentioned outcome)			
Please write 'Not Applicable' if the below-mentioned indicator is to be reported directly at the outcome level.			
Indicator Name			
Number of technologies and innovative solutions transferred or licensed to promote climate resilience as a result of Fund support			
Unit			
#			
Baseline	Annual Value (Reporting Year)	Cumulative Value	
0	2	2	
Mid-term Target	Final Target		
4	5		
Remarks (including changes, if any)			
The outdoor information boards (13 units) procured by project will be installed by MES in vulnerable communities during 2024.			
If applicable, please submit a supporting document describing the calculation methodology for the current values provided.			

Results Areas	Outcome Name
[Adaptation] Livelihoods of people and communities	

Output Name (under the afore-mentioned outcome)		
Indicator 1.1		
Please write 'Not Applicable' if the below-mentioned indicator is to be reported directly at the outcome level.		
Indicator Name		
Number of new hydro-meteorological monitoring equipment purchased, installed and operational		
Unit		
#		
Baseline	Annual Value (Reporting Year)	Cumulative Value
0	25	25
Mid-term Target	Final Target	
13	25	
Remarks (including changes, if any)		
If applicable, please submit a supporting document describing the calculation methodology for the current values provided.		

Results Areas	Outcome Name
[Adaptation] Livelihoods of people and communities	
Output Name (under the afore-mentioned outcome)	
Indicator 1.2	
Please write 'Not Applicable' if the below-mentioned indicator is to be reported directly at the outcome level.	
Indicator Name	
Number of districts for which hazard and risk maps (covering landslides, mudflows, avalanches and hydrological droughts) are available	
Unit	
#	
Baseline	Annual Value (Reporting Year)
0	0
Mid-term Target	Final Target
2	7
Remarks (including changes, if any)	
If applicable, please submit a supporting document describing the calculation methodology for the current values provided.	

Results Areas	Outcome Name
[Adaptation] Livelihoods of people and communities	
Output Name (under the afore-mentioned outcome)	
Indicator 1.3	
Please write 'Not Applicable' if the below-mentioned indicator is to be reported directly at the outcome level.	
Indicator Name	
Level of institutional capacity and knowledge of Uzhydromet staff on monitoring and forecasting technologies and procedures	
Unit	
%	

Baseline	Annual Value (Reporting Year)	Cumulative Value
0	52.6	55.3
Mid-term Target	Final Target	
50	100	
Remarks (including changes, if any)		
If applicable, please submit a supporting document describing the calculation methodology for the current values provided.		

Results Areas	Outcome Name	
[Adaptation] Livelihoods of people and communities		
Output Name (under the afore-mentioned outcome)		
Indicator 2.1		
Please write 'Not Applicable' if the below-mentioned indicator is to be reported directly at the outcome level.		
Indicator Name		
Improvement in the timeliness of warnings received by end-users as a result of the impact-based integrated MHEWS		
Unit		
#		
Baseline	Annual Value (Reporting Year)	Cumulative Value
0	0	0
Mid-term Target	Final Target	
4	6	
Remarks (including changes, if any)		
If applicable, please submit a supporting document describing the calculation methodology for the current values provided.		

Results Areas	Outcome Name	
[Adaptation] Livelihoods of people and communities		
Output Name (under the afore-mentioned outcome)		
Indicator 2.2		
Please write 'Not Applicable' if the below-mentioned indicator is to be reported directly at the outcome level.		
Indicator Name		
2.2 Level of institutional coordination among Uzhydromet, MES and RCMCs on multi-hazard early warnings responses and dissemination		
Unit		
Level		
Baseline	Annual Value (Reporting Year)	Cumulative Value
2	2	2
Mid-term Target	Final Target	
3	4	
Remarks (including changes, if any)		
If applicable, please submit a supporting document describing the calculation methodology for the current values provided.		

Results Areas

Results Areas [Adaptation] Livelihoods of people and communities	Outcome Name
Output Name (under the afore-mentioned outcome) Indicator 2.3	
Please write 'Not Applicable' if the below-mentioned indicator is to be reported directly at the outcome level.	
Indicator Name Number of functional regional crisis management centres with access to area-specific early warnings, mobile alerts and risk mapping technologies	
Unit #	
Baseline 0	Annual Value (Reporting Year) 7
Cumulative Value 7	
Mid-term Target 2	Final Target 7
Remarks (including changes, if any) The project equipped 6 TOMCs with communication facilities and MES equipped 1 TOMC from the state funds.	
If applicable, please submit a supporting document describing the calculation methodology for the current values provided.	

Results Areas [Adaptation] Livelihoods of people and communities	Outcome Name
Output Name (under the afore-mentioned outcome) Indicator 3.1	
Please write 'Not Applicable' if the below-mentioned indicator is to be reported directly at the outcome level.	
Indicator Name Level of user interaction in the co-design and co-production of disaster-related information, as a result of the establishment of a National Framework for Climate Services (NFCS) for Uzbekistan	
Unit Level	
Baseline 1	Annual Value (Reporting Year) 1
Cumulative Value 1	
Mid-term Target 2	Final Target 2
Remarks (including changes, if any) 	
If applicable, please submit a supporting document describing the calculation methodology for the current values provided.	

Results Areas [Adaptation] Health, Food, and Water Security	Outcome Name
Output Name (under the afore-mentioned outcome) Indicator 3.2	
Please write 'Not Applicable' if the below-mentioned indicator is to be reported directly at the outcome level.	
Indicator Name Number of revenue generation options based on delivery of disaster risk information products/services included in the business model and endorsed by institutional and sectoral users	

Unit		
#		
Baseline	Annual Value (Reporting Year)	Cumulative Value
0	0	0
Mid-term Target	Final Target	
0	3	
Remarks (including changes, if any)		
If applicable, please submit a supporting document describing the calculation methodology for the current values provided.		

Results Areas	Outcome Name
[Adaptation] Livelihoods of people and communities	
Output Name (under the afore-mentioned outcome)	
Indicators 3.3	
Please write 'Not Applicable' if the below-mentioned indicator is to be reported directly at the outcome level.	
Indicator Name	
Number of communities in targeted areas with improved access to early warning alerts through information board, mahalla training and info-products/meetings	
Unit	
#	
Baseline	Annual Value (Reporting Year)
0	0
Mid-term Target	Final Target
12	20
Remarks (including changes, if any)	
The project procured 13 outdoor information boards for installation in vulnerable communities. More than 650 people from target communities improved knowledge on climate hazards, EWS, DRR and First Aid through thematic seminars organized in 15 target districts.	
If applicable, please submit a supporting document describing the calculation methodology for the current values provided.	

2.5 Report on changes during implementation (include actual and expected changes)

During the market researches and open tenders for procurement of equipment required for modernization of hydrological network of Uzhydromet, and information visualization system for RCMCs and outdoor communication boards for MES, it was revealed the significant increase of prices for the equipment required for modernization of hydrometeorological observation networks of Uzhydromet and RCMCs of MES. Plus, specifications of the equipment indicated in the Funding Proposal and the Procurement Plan are already outdated, since the digital and communication technologies are developing and changing relatively fast even within 2-3 years. Therefore, the project in consultation with both national partners is seeking solutions in case the allocated budget for procurement of the planned equipment is not sufficient to procure the requested amount indicated in the Funding Proposal and the Procurement Plan. For instance, within the framework of the Output 2.3, it was envisaged to equip 7 TOMC (RCMCs) in seven target regions of the project. However, the allocated budget for this activity was sufficient only for equipping 6 TOMCs. Therefore, after the consultation with MES, it was agreed that the project will equip 6 TOMC, while MES will equip the remaining seventh TOMC in Samarkand region.

The government of Uzbekistan conducted significant structural reforms among government organizations during 2022 and 2023. As a result, the Center of Hydrometeorological Services (Uzhydromet) was merged with the newly established Ministry of Ecology, Environment Protection and Climate Change of the Republic of Uzbekistan and renamed as the Agency of Hydrometeorological Services at the beginning of 2023. Due to the change of the status of Uzhydromet, the respective changes within the structure and staff of the organization were done. This change had some affect on project's implementation, since decision making processes related to project activities on modernization of observation systems and capacity building of Uzhydromet's specialists require more time and efforts from the project to agree and implement.

Describe changes to the project during the reporting period. In particular, the report should cover elements such as change of beneficial ownership structure, management changes of the Accredited Entity, policies and other elements relevant for the project, and any other material change that could influence the overall outcome of the project.

2.6 Implementation challenges and lessons learned

Below is examples per risk type for reference. N.B. Choose the most relevant type if the challenge is related to multiple types.

Operational: Start-up delays, inadequate or failed internal processes/systems, people management issues, restructuring

Political: Elections and changes in government, humanitarian crises, war, civil disorder, terrorism, sanctions and embargoes, criminal activities, and other country-specific issues

Procurement: Disruption/lapse in supply chain, conflict with suppliers, market failure

Legal: Contractual breach, legal disputes, insurance issues, changes in law and regulations on the ground, third-party liabilities

Sanctions: UN-imposed or any other international sanctions

Covid-19: Covid-19 related

Compliance: Any non-compliance with any GCF policies and procedures

Environmental and Social Safeguards (ESS): Any activities against GCF ESS policy

Gender: Any activities against GCF Gender policy

Indigenous Peoples (IPs): Any activities against GCF IPs policy

Financial: Potential default on loan repayment, and asset-liability management issues

Prohibited practices: Any activities against GCF Prohibited Practices policy

Ethics and conflicts of interest: Any activities against GCF Ethics and conflicts of interest

AML/CFT: Any activities against GCF AML/CFT policy and standards

Fiduciary standards: Any activities against GCF Fiduciary standards

SEAH: Any activities against GCF SEAH policy

Whistle-blowers: Any activities against GCF Protection of whistle-blowers and witnesses policy

Other: E.g., Natural uncertainties (COVID-19), cyber security risks

Challenge encountered	
Delay of the disbursement release by the GCF	
Describe the challenge faced during the last twelve (12) months of implementation and critical risks that may result in a change to the scope and/or timing of the project; please provide a description and how they have impacted the implementation period and could impact other activities and final targets. N.B. Choose the most relevant type if the challenge is related to multiple types.	
Challenge type	Impact level on the project implementation
Financial	High
Measures adopted	
Planned activities were reviewed and corrective measures taken to ensure timely implementation of activities and achievement of project results	
Please check if the above-mentioned challenge(s) has been resolved during the reporting period	
☒ The challenge(s) has been resolved during the reporting period.	
Lesson learned and other remarks	
The project will plan its activities for the upcoming year taking into consideration that such situation might repeat in the future	
Please check if this challenge is caused by COVID-19 pandemic.	
☐ Yes ☒ No	

2.7 Updated implementation timetable for the Funded Activity

Please submit the implementation time table for the Funded Activity

Updated implementation plan_APR 2023.docx

2.8 [Private Sector Co-Investment Platform only] List of the ultimate beneficiaries (asset owners) or the investors (asset managers)

n/a

Please provide where GCF's investments are possibly benefitting leading green institutional investors (such as California State Retirement Savings, Norges Bank, Kuwait Investment Authority, Temasek).

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.

APR CY2023 Section 3: Financial Information - v1 2024-03-01 07:32 +09:00

[APR CY2023] Section 3: Financial Information

Please note that this is section 3 of the five Annual Performance Report (APR) sections. APR will be considered valid only after all the five sections are filled with relevant details.

3.1 Annual Financial Performance Report

Please download the Financial Performance Report Template in Excel.

[Financial Performance Report Template](#)

Please note that the Financial Performance Report template has been updated with an additional master sheet where you will see a summary of data automatically extracted from multiple worksheets. AEs do not need to make any additional actions in this regard.

Please attach the Annual Financial Performance Report here.

PIMS 6218_APR_2023_SECTION-3 cleared by QM.xlsx

Please make sure you use the attached template provided by the GCF. Reports submitted in any other formats would not be accepted.

Please provide any comments as necessary.

3.2 Unaudited Financial Statement

Submit the Unaudited financial statement (as required by FAA)

(Semi-)Annual Audited financial statement, Interim/Final Evaluation Report should be submitted via separate and dedicated submission channels.

Please provide any comments as necessary.

3.3 Disbursement projection

Select reporting currencies *

☒ USD

☐ EUR

☐ GBP

☐ JPY

This section is for GCF internal planning purposes only. Please provide indicative disbursement projections for 2024 and 2025. The information reported herein will not be published.

Please be mindful of the Undisbursed Balance provided above and avoid overbudgeting the projected values.

Projected disbursements to be requested in all of 2024: January 1st – December 31st, 2024. Please include disbursement requests already submitted in 2024 prior to APR submission.

Projected disbursements to be requested in all of 2025 (USD): January 1st – December 31st, 2025.

Please insert 0 (zero) and elaborate the reasons in the notes box below, if no projection can be provided.

Please insert 0 (zero) if financial instruments are not applicable to this project/programme.

	Approved budget by instrument	Cumulative Amount Disbursed from GCF to AE (until the end of 2023) by instrument	Undisbursed Balance (GCF Approved Funding)-(GCF Disbursed Funds)	Projected disbursements to be requested in all of 2024 (USD)	Projected disbursements to be requested in all of 2025 (USD)	Remaining budget
Equity		0	0			0
Grants	9999455	3638618	6360837	4946954	825873	588010
Guarantees		0	0			0
In-kind			0			0
Results-Based Payment		0	0			0
Senior Loans		0	0			0
Sub-ordinated Loans		0	0			0
Total	9999455	3638618	6360837	4946954	825873	588010

Notes

Please add any further explanations on the provided disbursement projections above if necessary.

Please confirm that disbursement projections are provided as per the guiding notes above. *

☒ Confirmed

Confirmation and Acknowledgement of Information *

* This is a required question to submit section 3 of the Annual Performance Report (APR).

☒ The accredited entity hereby confirms that the information provided in section 3 is complete and ready for submission.

APR CY2023 Section 4: Environmental and Social Safeguards & Gender - v1 2024-03-01 07:32 +09:00

[APR CY2023] Section 4: Environmental and Social Safeguards & Gender

Please note that this is section 4 of the five Annual Performance Report (APR) sections. APR will be considered valid only after all the five sections are filled with relevant details.

4.1 Implementation of environmental and social safeguards and gender elements

Please provide information on the project or programme on the following: (1) key risks and impacts as identified; (2) compliance with applicable laws and regulations including FAA conditions and covenants; and (3) progress in the implementation of environmental and social management plans and programs including monitoring activities undertaken during the implementation of the funded activity.

4.1.1 The information includes description on any changes in the key environmental and social risks and impacts as identified and arising from the implementation including any unanticipated risks and impacts (ex. from changes in laws and regulations) and, based on these if any change in the project's environmental and social risk category. In case of a change in the E&S risk category for the project, please provide an explanation.

The project has no environmental and social impacts, since it does not have any infrastructure activities or structural interventions, except the installation of the hydrometeorological observation equipment and information boards on the existing government sites. There were no interventions undertaken on private land or the locations that belong to the ethnic groups and/or internally displaced people,

Also, there were no changes in risks related to contamination of water sources, construction noises, sediment movement during the installation of hydro-meteorological observation equipment, vegetation clearing, disturbance of riverine and riparian ecosystems, locating infrastructure that is socially detrimental or worker's and community health and safety (as defined in Part B of SESP form) identified during implementation of project activities in the reporting period. In addition, the project together with UNDP Regional SES Technical Adviser revisited the SESP and did not find any changes to the project outputs or activities that may have any new significant social and environmental impacts that were not foreseen during the project submission to the GCF. Furthermore, the project obtained an official letter from the Center for State Ecological Expertise confirming that in accordance with Annex 1 to the Resolution of the Cabinet of Ministers of the Republic of Uzbekistan No. 541 dated September 7, 2020 "On further improving the environmental impact assessment mechanism", the installation of automatic meteorological stations is not included in the list of activities requiring the state ecologic expertise[1].

[1] The State Environmental Expertise is a procedure for conducting national environmental impact assessment based on the Law "On State Environmental Expertise" (SEE) and the Regulations on further improvement of the mechanism for assessing environmental impact, approved by Cabinet of Ministers Resolution No. 541 (2020)

4.1.2 The information should include status of compliance with applicable laws and regulations of the country as well as the relevant conditions or covenants under the FAA. This can be captured in the table below:

Status of compliance with applicable laws and regulations and the conditions and covenants specifically addressing ESS & Gender under FAA
Compliance Type Covenant Compliance Title & Description FAA Clause 10.02 In addition to Clause 18.02 of the AMA, the Accredited Entity covenants that as from the Effective Date of this Agreement it shall: [...] (e) Undertake and/or put in place any adequate measures in order to ensure that the management of the environmental and social risks and impacts arising from the Funded Activity complies at all times with the recommendations, requirements and procedures set forth in the Social and Environmental Screening Procedure (SESP) Template, which was provided by the Accredited Entity to the Fund before the Approval Decision and which shall not be amended, abrogated or waived without prior written approval of the Fund; [...] (h) Obtain, or ensure that the Executing Entity shall acquire, all land and rights in respect of land that are required to carry out the Funded Activity and shall promptly furnish to the GCF, upon its request, evidence that such land and rights in respect of the land are available for the purposes of the Funded Activity; (i) Ensure that the Executing Entity shall acquire all necessary environmental licenses or clearances to carry out the Funded Activity, and shall promptly furnish evidence, in a form and substance satisfactory to the GCF and upon its request, that such licenses or clearances are available for the purposes of the Funded Activity;

Status of compliance

(e) The project constantly ensures that adequate measures are undertaken during the implementation of the project. The project visited the locations of installation of AWS to check whether any major construction works will be required for installation of AWS that may have negative social and environmental impacts.

(h) The installation of 25 AWS was done at enclosed areas of the existing facilities of Uzhydromet. The areas of installation of AWSs are secured and not open for public access to ensure safety of the equipment and data transferred to the global network. Therefore, there were no significant impacts on land-use rights observed as a result of these interventions.

(i) Uzhydromet approached the State Center for Ecological Expertise to obtain the required SEE certificates before installation of 25 AWS. The Center officially confirmed that installation of AWS does not require obtaining of the certificate.

Compliance Type

Law / Regulation

Compliance Title & Description

Presidential decree "About measures for further enhancement of activities of the center of hydrometeorological service of the Republic of Uzbekistan" (President decree: 17 Nov 2020);

Environmental Protection Concept of Uzbekistan until 2030, (President decree: 30 October 2019;

Law of the Republic of Uzbekistan "On the protection of the population and territories from natural and man-made emergencies" (Law, #790, 17 Aug 2022)

Law " On State Environmental Expertise " (...)

Status of compliance

The project activities on modernization of hydrometeorological observation system of Uzhydromet are fully in compliance with this Presidential decree, which defines measures on modernization and installation of new AWS, radars, etc, including improvement of quality of hydrometeorological information and services.

The structural interventions (installation of AWS and information boards) of the project correspond to category IV (local impact low risk projects) of the national ESIA and regulations on state environmental expertise. The project obtained confirmation from the State Center for Ecological Expertise that the certificate for installation of AWS is not required.

The project activities on increasing resilience and awareness of the population on climate change risks and ES are fully in line with this Law, which defines measures on raising awareness and preparation of the population and specialists of MES to emergency situations.

The State Environmental Expertise (SEE) is a national environmental impact assessment procedure in Uzbekistan. The SEE is carried out by specialized expert bodies in order to ensure compliance of the planned activity with environmental requirements and determine whether the project can proceed. The project approached the State Center for Ecological Expertise and received official confirmation that the installation of automatic meteorological stations is not included in the list of activities requiring the state ecologic expertise and can proceed without it.

4.1.3 Provide a report on the progress made during the reporting period in implementing environmental and social management plans (ESMPs) and frameworks (ESMFs) describing achievements and specifying details outlined in the tables below.

Implementation of ESMPs and ESMFs

Activities implemented during the reporting period, including monitoring

As it was agreed, Uzhydromet approached the State Center for Ecological Expertise to obtain the required SEE certificates (as a contribution to the project) before installation of 25 AWSs at its facilities in the regions.

Outputs during the reporting period

25 AWSs were installed at the existing premises of Uzhydromet and no environmental and social impacts identified during the process by the project or local communities.

Key environmental, social and gender issues, risks and impacts addressed during implementation

The installation of AWS had no negative environmental and social risks for local population or environment.

Any pending key environmental, social and gender issues needing accredited entity's actions and GCF attention

No pending environmental and social issues at this stage of implementation of the project.

4.1.4 AEs are obligated to inform executing entities, people and project beneficiaries about the GCF's Independent redress Mechanism and the AE's own Grievance Redress Mechanism. This includes bringing the contact details, accessibility, and basic procedures of such mechanisms to the attention of executing entities, people and project beneficiaries. Please provide detailed information on the steps taken by the AE to fulfill this obligation during the reporting period in the project target area and to the public, including the dissemination of information through meetings, brochures, hotlines, and other means.

Please provide detailed information including dates and venues of activities, number of attendees, confirmation that information was provided on the 1) IRM and 2) AE's grievance redress mechanism 3] project-level grievance mechanism (where applicable).

As per the requirements of the GCF's IRM, the project established a Grievance Redress Mechanism (GRM) based on the principles of accessibility, transparency, and fairness. To mitigate barriers to access, such as lack of awareness, language barriers, literacy issues, costs, physical accessibility, and fears of reprisals, several proactive measures were implemented.

As a starting point, introductory seminars were conducted across all seven target regions of the project in a local language, where 290 people from local communities improved their knowledge about the GRM. These sessions familiarized participants with the fundamental concepts and principles of the Grievance Redress Mechanism, providing guidance on submitting complaints and receiving feedback through various channels.

Moreover, to ensure accessibility, information leaflets providing the information on GRM with contact details were made available on the UNDP website (<https://www.undp.org/uzbekistan/publications/leaflet-grievance-redress-mechanism>) in Uzbek and Russian languages. Various communication channels, including email, Telegram, landline phones, and visiting the project office, were established. Additionally, anonymous or verbal complaints are equally accepted, considering individuals with low literacy levels or those who prefer not to disclose their identity. These measures aim to accommodate diverse needs and foster inclusivity within the grievance redress process.

As per the requirements of the UNDP Accountability Mechanism (see details in link 1 below), which are aligned with the GCF's IRM, information regarding the UNDP corporate mechanisms (Stakeholder Response Mechanism (see case registry in link 2 below) and the Social and Environmental Compliance Unit (see case registry in link 3 below)) and Project-level grievance redress mechanisms (see guidance in link 4 below) is made available to project stakeholders throughout project design and implementation including in Project Inception Workshops as outlined in the reports shared with the GCF. Information on the GCF IRM is also made available to all project stakeholders, and yearly reporting on project-level grievance redress mechanisms and stakeholder engagement events (including dates and venues) where this information is made available can be found in Sections 4.1.5 and 4.1.6 in PPMS.

For further information, please refer to the following web links:

Social and Environmental Compliance Review and Stakeholder Response Mechanism: <https://bit.ly/3Mc6Wqo>

Stakeholder Response Mechanism – Case Registry: <https://bit.ly/3Mldtzd>

Social and Environmental Compliance Unit - Case Registry: <https://bit.ly/3egxB95>

UNDP GRM Guidance: <https://bit.ly/3STIlSk>

4.1.5 Include a description of the actions undertaken during the reporting period towards increasing the relevant stakeholders' engagement in the project environmental, social and gender elements.

The information in this subsection should be provided for all projects regardless of the E&S risk category for the project.

Implementation of the stakeholder engagement plan

Activities implemented during the reporting period

Workshops on GRM and First Aid

Dates and venues of engagement activities

10-24 May 2023, in 7 target regions

Information shared with stakeholders

Concepts and principles of the GRM, providing guidance on submission of a complaint and resolving the issue. Provision of First Aid during the emergency situations.

Outputs including issues addressed during the reporting period

Increased awareness of stakeholders about GRM and the mechanisms of resolving issues related to implementation of project activities, including provision of first aid during the emergency.

List of stakeholders involved in the engagement process

Representatives of local administrations, regional departments of MES, Uzhydromet, MoH, local communities.

Please provide the list of CSOs, NGOs, or other platforms, initiatives, and organizations that were involved or continue to be engaged according to the approved funding proposal's Annex 7 – Summary of Consultations and Stakeholder Engagement Plan. Please also include the list of any other stakeholders involved in the stakeholder engagement process.

Activities implemented during the reporting period

Disaster Risk Reduction trainings in target communities

Dates and venues of engagement activities

21-29 November 2023, in 7 target regions

Information shared with stakeholders

Principles of effective response to the event or threat of an emergency on a territory of the community, before the arrival of the specialized rescue forces.

Outputs including issues addressed during the reporting period

Increased awareness and skills of the stakeholders on required actions during the emergency situations, mapping of climate risks and evacuation locations.

List of stakeholders involved in the engagement process

Representatives of local administrations, regional departments of MES, Uzhydromet, MoH, local communities.

Please provide the list of CSOs, NGOs, or other platforms, initiatives, and organizations that were involved or continue to be engaged according to the approved funding proposal's Annex 7 – Summary of Consultations and Stakeholder Engagement Plan. Please also include the list of any other stakeholders involved in the stakeholder engagement process.

Activities implemented during the reporting period

Educational evacuation drill dedicated to International Day for Disaster Risk Reduction (IDDRR)

Dates and venues of engagement activities

16 November 2023, Obodon community, Kasansay district, Namangan region

Information shared with stakeholders

Educational evacuation drill conducted on how to respond to flash-flood risks and possible consequences, including evacuation of residents to tent camps.

Outputs including issues addressed during the reporting period

Increased knowledge and skills on actions to be taken during the flash-flood risks.

List of stakeholders involved in the engagement process

Representatives of district administrations, regional and district departments of MES, Uzhydromet, MoH, transport, Internal Affairs, Gas and Water supply organizations, local communities

Please provide the list of CSOs, NGOs, or other platforms, initiatives, and organizations that were involved or continue to be engaged according to the approved funding proposal's Annex 7 – Summary of Consultations and Stakeholder Engagement Plan. Please also include the list of any other stakeholders involved in the stakeholder engagement process.

Activities implemented during the reporting period

Thematic theoretical and practical trainings session on use of hydrological equipment

Dates and venues of engagement activities

28-30 November 2023, Tashkent city and Tuyabuguz village, Tashkent region

Information shared with stakeholders

Concept and principles on use and maintenance of the acoustic Doppler water profiler system

Outputs including issues addressed during the reporting period

Increased knowledge and skills on advanced technologies used for water measuring

List of stakeholders involved in the engagement process

Specialists of Uzhydromet, MES, Ministry of Agriculture, Ministry of Water Resources, the Scientific-Research Hydrometeorological Institute and Tashkent Institute of Irrigation

Please provide the list of CSOs, NGOs, or other platforms, initiatives, and organizations that were involved or continue to be engaged according to the approved funding proposal's Annex 7 – Summary of Consultations and Stakeholder Engagement Plan. Please also include the list of any other stakeholders involved in the stakeholder engagement process.

Activities implemented during the reporting period

Meeting with representatives of the Finland Meteorological Institute (FMI)

Dates and venues of engagement activities

30 January 2023,
Online meeting

Information shared with stakeholders

Exchange of information about projects' activities and discussion of potential collaboration on weather forecasting issues

Outputs including issues addressed during the reporting period

Improved awareness about FMI's SmartMet software and plans of FMI regarding modernization of Uzhydromet weather forecasting system

List of stakeholders involved in the engagement process

Ms. Marilla Visuri, Project Manager, FMI;
Mr. Matti Eerikainen, Head of Group, FMI

Please provide the list of CSOs, NGOs, or other platforms, initiatives, and organizations that were involved or continue to be engaged according to the approved funding proposal's Annex 7 – Summary of Consultations and Stakeholder Engagement Plan. Please also include the list of any other stakeholders involved in the stakeholder engagement process.

Activities implemented during the reporting period

Meeting with representatives of the Finland Meteorological Institute (FMI)

Dates and venues of engagement activities

28 November 2023,
MHEWS project office, Tashkent

Information shared with stakeholders

FMI/UNDP projects coordination and exchange of information about the assessment of weather radar network in Uzbekistan

Outputs including issues addressed during the reporting period

Avoiding duplication of activities related to provision of synoptical and forecast tools, as well as capacity building activities. The report on current situation of weather radar network in Uzbekistan completed by FMI.

List of stakeholders involved in the engagement process

Ms. Julia Warley, Project Manager, FMI;
Mr. Mr.Harri Pietarila, Director of Project Service, FMI

Please provide the list of CSOs, NGOs, or other platforms, initiatives, and organizations that were involved or continue to be engaged according to the approved funding proposal's Annex 7 – Summary of Consultations and Stakeholder Engagement Plan. Please also include the list of any other stakeholders involved in the stakeholder engagement process.

Activities implemented during the reporting period

Meeting with representatives of GIZ project on climate risks management

Dates and venues of engagement activities

5 October 2023

Information shared with stakeholders

Exchange of information about projects' activities and discussion of potential collaboration on climate risks issues

Outputs including issues addressed during the reporting period

Improved awareness about project activities of GIZ, agreement on cooperation between two projects on climate risks issues

List of stakeholders involved in the engagement process

Mr. Sergey Makarov, Project Manager, GIZ,
Mr. Makhmud Haydarov, Project Advisor, GIZ

Please provide the list of CSOs, NGOs, or other platforms, initiatives, and organizations that were involved or continue to be engaged according to the approved funding proposal's Annex 7 – Summary of Consultations and Stakeholder Engagement Plan. Please also include the list of any other stakeholders involved in the stakeholder engagement process.

4.1.6 Implementation of the grievance redress mechanism - list on the grievances received in the reporting period with the description of the grievance, the date the grievance was received, and the resolution of the grievance.

Description of issues/complaints received during the reporting period

No issues/complaints received during the reporting period

Please specify to which grievance mechanism the complaint was filed (AE grievance mechanism or project-level grievance mechanism, If known, please explain relationship of the complainant to the project (for example: community member, contractor, business-owner, etc.)

Date of receipt

Please provide information on any monitoring and follow-up activities.

Description of resolution

n/a

Status of addressing issues/complaints

n/a

Based on GRM's own policies, provide information related to phase of complaint (for example: including but not limited to Open, Open: Under investigation, Open: Problem Solving/Compliance Review, Closed)

If you wish to share more details on the nature of grievances reported above, please download the Grievance Tracker template below and submit it as an attachment here.

In case you want to keep the file confidential, please choose your preference accordingly in Section 1.1.

Please click the link below to download the grievance tracker template for Section 4.1.6.

[Grievance tracker template](#)

4.2 Gender Action Plan

The project conducted a series of trainings/workshops for community members and local partners in the regions during the reporting period. The project with engagement of experts of the Red Crescent Society (RCS) of Uzbekistan organized thematic trainings on First Aid to active members of target communities in 7 regions of Uzbekistan during 10-24 May 2023. Further, the project along with the First Aid trainings conducted introductory seminars across all seven target regions during May 2023, actively involving women in the process. 290 people (82 women) participated and increased their knowledge and skills on provision of first aid during the emergency, and GRM mechanism and communication channels for submission of complaints.

Later, during 21-29 November 2023, the project together with experts of the RCS organized a second round of trainings on disaster risk preparedness (DRR) in the same target regions. 240 people (106 women) increased their knowledge and skills on mapping of climate risks, required actions during the emergency situations and evacuation locations with focus on gender aspects.

Besides, the project organized thematic trainings for experts of Uzhydromet and line ministries and agencies on AWS operation and maintenance, metrology of the analogue and digital hydrometric equipment, contactless and acoustic water discharge measuring systems. As a result of these trainings 316 participants (132 women) increased their knowledge and skills on above topics. In overall, during the reporting period, the project conducted 21 thematic trainings and workshops for representatives of MES, Uzhydromet, line ministries and agencies, and local communities. Almost 38% of participants of these trainings and workshops were women.

Furthermore, the project in cooperation with MES, Red Crescent Society in Uzbekistan and local administration of Kasansay district, and representatives of target community conducted an educational evacuation drill with engagement of 350 people from the local community on 16 November 2023. During the educational drill the community members learned how to act during the emergency, where and how to organize evacuation with special attention to women and elderly. Special tent zones were organized for pregnant women and children to ensure their safety and medical care.

In addition, the project conducted a gender-sensitive socio-economic vulnerability assessment in two regions of Fergana Valley in 2022 and the same assessment was planned to conduct in the remaining 5 regions during 2023, but is now rescheduled to 2024, due to the budget deficit faced by the project during May-October 2023. During the assessment the disaggregated data based on characteristics such as gender, age, ethnicity, disability, and socio-economic status will be collected for all seven regions, providing valuable evidence on climate vulnerabilities for informed decision-making.

Provide a progress report on the gender action plan developed during project preparation stage for the reporting period. This will primarily be a report on activities undertaken and results achieved as a result of completion of an activity. Further it should also indicate if the project is on track to achieving the intended outcome(s). The reporting should be done for activities, targets and indicators already set in the action plan including on vulnerable groups (youth, poor, female heads of households, etc.) as would have been identified in the gender analysis and action plan. If activities or targets are not achieved as per plan, reasons should be provided, and recourse action should be proposed. Please include a reporting on any changes or deviations. Include a Report on implementation challenges and lessons learnt and how these will inform on-going actions and what action will be taken by when to address the challenges faced. Incorporate both quantitative data and qualitative report of the performance of such actions, and on progress on actions identified.

4.2.1 Progress on implementing the project-level gender action plan submitted with the funding proposal

Activity / Action	
Activity 1.1. Upgrading and modernization of the meteorological and hydrological Observation System	
Indicator	
No of consultations undertaken	
Proportion of women attending consultations	
Baseline	Target, including sex-disaggregation
0	7
0	At least one per community/local settlement
	40% (82 women)
	At least 50% participants of consultations are women
Budget	Currency
11 000	USD
Report on annual progress	
Achieved. Community consultations on modernizing hydrometeorological observation systems took place during introductory seminars on GRM across all seven project-focused regions in May 2023.	

Activity / Action	
Activity 1.2. Up-grading Uzhydromet's capacity to store, process and develop hazard products, as well as to communicate hydrometeorological data to regional divisions.	
Indicator	
Level of gender criteria integration achieved	
Baseline	Target, including sex-disaggregation
0	Gender criteria are fully integrated into products (Level 3)

Budget 	Currency Please select
Report on annual progress In progress. The gradual integration of gender criteria is taking place across various activities. The ToRs on producing video instructions on actions during disasters and communication materials were reviewed and adjusted to ensure gender-responsiveness. At the same time the outcomes from the climate vulnerabilities assessment, which highlighted significant evidence of gender disparities in climate vulnerabilities, are being actively incorporated into the climate risk models and other project activities' products.	

Activity / Action	
Activity 1.3: Re-training and advanced training of Uzhydromet staff on monitoring and forecasting technologies and procedures	
Indicator	
Number of women Uzhydromet staff trained	
Baseline	Target, including sex-disaggregation
0	42% (132 women) Target: 60% of those trained women
Budget	Currency
15 520	USD
Report on annual progress In progress. The project organized training sessions focused on diverse technical skills such as AWS (Automatic Weather Stations) operation and maintenance and working with various hydrological equipment for specialists of Uzhydromet.	

Activity / Action	
Activity 2.1 Developing and installing a modernised and efficient system for assessing climate risks based on dynamic information on both hazards and vulnerabilities, including socioeconomic risk models for decision making and prioritization of resilience building long-term/future investments	
Indicator	
Baseline indicators refined and validated Assess means in which women and men access and perceive hazard and climate information across multiple sectors	
Baseline	Target, including sex-disaggregation
0 0	303 participants of the survey in 2 regions. 155 women 148 men Sex and age disaggregated data identified 0 Gender-sensitive socio-economic vulnerability assessment conducted
Budget	Currency
	Please select
Report on annual progress Achieved. The project successfully completed a gender-sensitive socio-economic vulnerability assessment in 2 regions. Currently, the assessment is ongoing in four other regions. The results of this activity provided disaggregated data based on various characteristics including gender, age, ethnicity, disability, and socio-economic status.	

Activity / Action
Activity 2.2. Developing and introducing technical guidance, institutional and coordination frameworks to increase the efficiency of: i) data collection and archiving; ii) hazard mapping and modelling; iii) risk assessment; and iv) dissemination of information to RCMCs.

Indicator	
Number of women in consultation groups and among training audiences	
Capacity assessment scorecards reflect gender parameters	
Gender considerations are reflected in guidance (and policy) documents	
Baseline	Target, including sex-disaggregation
0	At least 35% women
0	Gender parameters fully integrated into capacity assessment
0	Gender considerations fully integrated into policy documents (Level 3)
Budget	Currency
	Please select
Report on annual progress	
In progress The initial draft questionnaire for the Institutional Survey of MES to evaluate the coordination level within MHEWS has been developed with careful consideration given to gender dimensions. Moving forward, the project will ensure the continued integration of gender aspects throughout the assessment and reporting phases.	

Activity / Action	
Activity 2.3. Designing and implementing a system for information dissemination to RCMCs and area specific mobile alerts including an information visualization system for RCMCs with software	
Indicator	
Warnings are useful to the needs of vulnerable groups	
Information on hazards delivered to multiple vulnerable groups	
Baseline	Target, including sex-disaggregation
0	Vulnerable groups find information useful (Scale of 4)
0	Ethnic, Minority groups, disabled persons reached
Budget	Currency
	Please select
Report on annual progress	
Not started	

Activity / Action	
Activity 3.1. National Framework for Climate Services for Uzbekistan	
Indicator	
Decision makers and practitioners are trained on gender mainstreaming based on UNDP training manual	
Baseline	Target, including sex-disaggregation
0	46% (11 women)
	35% of those trained women
Budget	Currency
	Please select
Report on annual progress	
In progress	

Activity / Action	
Activity 3.2. Sustainable business model for disaster-related information and services	
Indicator	
Representation of women in planning teams and consultation groups	
Baseline	Target, including sex-disaggregation
0	35% of representatives on planning teams and consultation groups women
Budget	Currency
	Please select
Report on annual progress	
Not started yet. Scheduled for 2024.	

Activity / Action	
Activity 3.3. Strengthening disaster-related communication and interaction with end users	
Indicator	
Design of weather/climate advisories are tailored to the needs of men and women	
Information disseminated is utilized by women	
Proportion of women trainees and outreach audience	
Share of women-recipients of information products and agrometeorological advisory services	
Community advisory groups include women representation	
Baseline	Target, including sex-disaggregation
0	Degree to which advisories are tailored (Level 3)
0	Women utilize information (sale 3)
0	32% (161)
0	50% women trainees and outreach audience
0	50% of recipients of information products and agrometeorological advisory services are women
0	50% of represent-atives are women
Budget	Currency
21 433	USD
Report on annual progress	
Not started yet	
Not started yet	
In progress - The project has conducted training sessions on DRR, First Aid, and introductory seminars on GRM within communities in 7 pilot regions. Moreover, simulation exercises were organized in collaboration with the Red Crescent Society in the Kasansay district of the Namangan region.	
Not started yet	
Consultations and formation of community advisory groups are planned for 2024.	

4.3 Planned activities on environmental and social safeguards for the next reporting period

The project ensures that all planned activities in the fields, i.e. installation of radars and outdoor communication boards are in line with social and environmental risks management indicated in SESP. The project in consultation with Uzhydromet and MES will also ensure that all national requirements on environmental and ecological control are strictly observed during installation of equipment or construction works on sites.

The project will check with Uzhydromet whether obtaining certificates from the State Center for Ecological Expertise, the national body responsible for State Environmental Expertise (SEE), is required for installation of 2 radar systems, to be procured in 2024, at the existing premises of Uzhydromet. The project will ensure that all required documents, including any required assessments, if necessary, will be obtained by Uzhydromet before installation of radar systems. The tentative timeline for carrying out any such assessments, if necessary, will be:

- Contract with the State Center for Ecological Expertise to carry out SEE (responsible Uzhydromet) - April-May 2024.
- Procurement of 2 radar systems for Uzhydromet – August 2024.
- Obtaining of certificates for 2 radar systems to be installed at the existing locations of Uzhydromet (if necessary) – July 2024.
- Installation of 2 radars at the existing locations of Uzhydromet – August-September 2024.

Additional consultations with community members and other stakeholders will be conducted at the project sites by the project team to ensure that all stakeholders can raise any comments on the planned interventions and are aware about the GRM and the means to access it. This will entail also:

- GRM consultations for community leaders and local partners – April-September 2024.
- Maintaining and ensuring the GRM's full functionality for addressing any concerns and complaints from affected parties promptly and transparently - January-December 2024.

Provide a list of activities in the ESMP to be implemented in the next reporting period. Include relevant deliverables such as reports or action plans, and other project specific products. Please include the monitoring schedule concerning ESS (including other potential vulnerable groups and indigenous people) for the next annual reporting period.

4.4 Planned activities on gender elements for the next reporting period

Up to this point, the project already delivered training sessions on gender mainstreaming and gender equality concerning climate change to the personnel of the central departments of the MES and Uzhydromet. During the next year, the project is planning to arrange training sessions with focus on gender equality and the significance of integrating gender aspects, including people with disabilities, into Climate Disaster Risk Reduction (DRR) management for the regional staff of our national partners.

Furthermore, there are plans to conduct awareness-raising training sessions for communities, on gender equality and the gender-related aspects of climate resilience and disaster preparedness across all seven project pilot regions for communities. Specifically, in the upcoming year, this activity will be implemented for communities in Kashkadarya and Samarkand regions.

In addition, the project will conduct meetings and consultations with active members of the target communities to discuss gender issues, promote women's involvement in project activities, and strengthen GRM communication channels within these specific communities.

Within Activity 3.2, 'Sustainable Business Model for Disaster-Related Information and Services,' the project will ensure the adequate representation of women within the planning teams and consultation groups. Priority will also be given to addressing their specific needs in this context.

The tentative timeline for carrying out above mentioned activities will be:

1. Training for MES staff on gender mainstreaming in DRR – March-April 2024.
2. Trainings on Disaster Preparedness Planning & GRM consultations for community leaders and local partners in 7 target regions – May-June 2024.
3. Disaster Response and Early Warning simulation exercise with engagement of vulnerable groups (women, elderly and youth) in one of the vulnerable communities together with MES and Red Crescent Society – June 2024.
4. Training for Uzhydromet staff on mainstreaming the gender aspects into natural disaster reduction agenda – June-July 2024.

5. Trainings on gender mainstreaming in DRR on community level in 2 target regions – August 2024.

There will be also thematic trainings on use of the agrometeorological and water risks management decision support tools, approaches to hydrometeorological data homogenization for Uzhydromet staff, concept and use of the modelling for hydrological forecasting purposes, etc. for Uzhydromet experts. During these training women participation (at least 40%) will be ensured.

Provide a list of activities in the gender action plan to be implemented in the next reporting period. Include relevant deliverables such as reports or action plans, and other project specific products including processes that will be involved to implement the activities effectively. Please include the monitoring schedule concerning gender activities for the next annual reporting period. Report on actions taken on any of the recommendations made by the secretariat (if applicable) to improve the level of integration of gender issues in the project.

Confirmation and Acknowledgement of Information *

* This is a required question to submit section 4 of the Annual Performance Report (APR).

☒ The accredited entity hereby confirms that the information provided in section 4 is complete and ready for submission.

APR CY2023 Section 5: Annexes and Attachments - v1 2024-03-01 07:32 +09:00

[APR CY2023] Section 5: Annexes and Attachments

Please note that this is section 5 of the five Annual Performance Report (APR) sections. APR will be considered valid only after all the five sections are filled with relevant details.

Annex 1: Accredited Entity compliance reports

Self-assessment reports, Report on Actions pursuant to Clause 18.02, if applicable. Self-assessment reports: In accordance with the AMA requirement in Clause 13.01 of the Accreditation Master Agreement, with the Fiduciary Principles and Standards, ESS and Gender Policy. Report on Actions pursuant to Clause 18.02: Only applicable to International Accredited Entities. In accordance with the Monitoring and Accountability Framework, a report on its actions carried out or planned to be carried out pursuant to Clause 18.02 of the Accreditation Master Agreement.

Please provide comments on the annexes attached above if any.

Procurement information (on a voluntary basis)

Please download the procurement information template available in Excel below.

[Procurement information template](#)

Please attach the procurement information here.

Please provide information on goods and services procured under GCF-funded projects/programmes. The information is being collected to increase transparency of activities undertaken with GCF resources. This exercise does not imply or require any change in the procurement processes already agreed with the GCF and is purely for information purposes. Please provide information on cumulative procurement activities undertaken in each project/programme funded by the GCF.

Attachments

Please submit any attachments (if any).

Confirmation and Acknowledgement of Information *

* This is a required question to submit section 5 of the Annual Performance Report (APR).

☒ The accredited entity hereby confirms that the information provided in section 5 is complete and ready for submission.