Reporting Agency: UNDP
Country: Armenia

STANDARD PROGRESS REPORT

No. and title: 00111782/00110609 -Increase Resilience of Armenia to Climate Change through Modernization of Armenia's Hydrometeorological Service
Reporting period: January 2019-June 2020

I. PURPOSE

- *Present project's goal, objectives, duration, theory of change (if available), implementing partner and responsible parties.*

Project goal:

The overall goal of the project is to improve climate change adaptation planning and programming in Armenia through enhancing the capacity of national hydro-meteorological observation and warning services, for strengthening Armenia`s resilience to Climate Change risks.

The project focuses on strengthening the technical and professional capacities of the Armenia Hydrometeorological Service (AHS) to ensure adequate forecast and warning services for contributing to climate resilient development. A substantial modernization program for the Armenia Hydrometeorological Service will include three directions.

Project objective:

- Hydro-meteorological observation and forecasting system enhanced and modernized.
- Hydrometeorological observation and warning infrastructure improved.
- Hydro-meteorological service delivery and early warning mechanisms enhanced.

Duration: 01 January 2019 -31 December 2020
Theory of change: The AHS observation network consists of 47 meteorological stations and 7 hydrological (river basins) stations with 94 gauges. Five meteorological stations are functioning over 100 years.
A complex assessment for modernization has been conducted by the World Bank in 2017, providing justifications for introduction of an enhanced and modernized hydro-meteorological early forecast and response systems, to significantly increase the effectiveness of forecast and response activities, as well as adaptation planning.

It identified shortcomings related to the capacity of the AHS and related to basic forecast of temperature, precipitation and wind in the short and medium term at high accuracy and spatial resolution. Beyond basic forecasting, disaster risk management has an incremental need for accurate "nowcasting"-forecasting over the period of up to six hours. Nowcasting makes use of radar, upper-air sounding, stream gauge data (ideally reporting automatically in real time), rapid national weather and hydrological modelling at high resolution, and effective telecoms linking the national network of weather stations to headquarters. Forecaster workstations are needed, to enable forecasters to assemble information, analyses it, and present tailored and updated forecasts rapidly.

The project will provide technical assistance to the Government of Armenia for climate-induced disaster risk planning and national adaptation programming through supporting the national hydro-meteorological observation service improvement in the following 4 main directions:

(A) generation, processing, exchange, retrieval and distribution of beneficiary tailored hydro-meteorological information;

(B) improve access to the hydrometeorological information by data user groups;

(C) better delivery of hazard alerts for adequate response, public safety and economic security; and

(D) informed planning and decision-making for cost-effective investments in climate-resilient development.

Strengthening these four pillars will significantly solidify Armenia's resilience to natural hazards and climate change and help enhance the economic performance of weather-dependent sectors such as agriculture, energy, transport and water resources management.

Implementing Partner: Ministry of Environment the Republic of Armenia

Responsible Partner: United Nations Development Programme

II. RESOURCES AND FINANCIAL PERFORMANCE

- *Matrix showing project's total, annual and delivered resources and percentage by donor funds.*

	Total Project Budget (USD)	**Current Year (2020)**			**All Years Delivery as of SPR date (USD)**	**All Years Delivery rate as of SPR date (%)**
		Annual Budget (USD)	**Delivery as of SPR date (USD)**	**Delivery rate as of SPR date (%)**		
Russian Trust Fund	800,000	300,000	36,253	12.1	537,203	67.1
Total	800,000	300,000	36,253	12.1	537,203	67.1

III. RESULTS, PROGRESS

- ***Programme results: (1)*** *Indicate the project's progress vis-à-vis* ***UNDAF/CPD outcomes, outputs, baselines, and targets****, as well as (2)* ***UNDP Strategic Plan*** *(SP) and (3)* ***Sustainable Development Goals*** *(SDG).*
- ***Project results: (1)*** *Present the* ***narrative of the project's progress vis-à-vis the planned deliverables of the Results and Resources Framework of Prodoc,*** *disaggregated by years. Present additional results with a separate subtitle.* ***(2) Update RRF of Prodoc*** *(see in annex a sample of UNDP standard RRF).*
- ***Innovative and transformative aspects:*** *Highlight innovative practices and any transformative changes so far.*
- *Present in the below table a performance snapshot of the current year planned deliverables.*

Sustainable Development Goal 13/Target 13.1: Climate Action / Strengthen resilience and adaptive capacity to climate-related hazards and natural disasters in all countries.

UNDAF Outcome 7/ CPD Outcome 4. (Outputs 4.1, 4.2) By 2020, sustainable development principles and good practices for environmental sustainability resilience building, climate change adaptation and mitigation, and green economy are introduced and applied.

UNDP Strategic Plan 2018-2021. Outcome 1/Output 1.3.1. National capacities and evidence-base assessment and planning tools enable gender-responsive and risk-informed development investments including for response to and recovery from crisis.

Output indicator: Number of countries with development, risk reduction and recovery interventions informed by multi-hazard and other risk assessments.

Project's progress vis-à-vis the Results and Resources Framework of Prodoc.

- During the reporting period the company contracted for drafting of policy and providing advice on drafting "Disaster Risk Management and Population Protection Law" package, provided with the first deliverable, mainly developed the package of recommendations proposing relevant changes into existing related legal-regulatory framework and relevant draft documents. The package of recommendations was circulated amongst the related ministries including of Ministry of Justices which was involved in the process. Based on received feedbacks the law was amended with Ministry of Emergency Situations and send to the Government for the endorsement. Meanwhile, taking into consideration the current COVID-19 situation, RA Prime Minister ordered Ministry of Justice to develop a law on emergency management. The law "Disaster Risk Management and Population

Protection Law" amended in close consultations of RA Ministry of Justice covers DRM emergency response and post disaster recovery which is in line with the order of Prime Minister

- During the reporting period the project the Microstep-MIS Slovakian company delivered equipment for 23 hydrometeorological weather stations and masts. Due Covid-2019 outbreak the installation works were postponed and resumed in the end of June 2020. The completion of all installation works of 23 Automatic weather stations is foreseen for the end of September 2020.

- **2019 RESULTS**

- Support provided to the Government for development of Disaster Risk Management and Civil Protection Law, which regulates disaster risk management, climate change and climate risk management directions. The developed document endorsed by MES, circulated amongst all responsible institutions, all feedbacks and recommendations addressed and send for finalization.
- Technical capacity of Armenian Hydromet Service improved through equipping and furnishing the AHS training center to assure the equal participation of man and women, as well as people with disabilities in the trainings. The center allows to organize distance learning courses, and UNDP has already in communication with Roshydromet to establish partnership to deliver capacity building online trainings.
- Microstep-MIS Slovakian company is contracted for supplying and installation of Hydrometeorological weather stations including construction of masts in Armavir, Aragatsotn, Shirak, Lori and Vayots Dzor regions. The equipment will be delivered by the end of the January 2020 and final installation of 23 AWS will be done by the end of the May2020. Working group established for providing technical specifications, training needs etc, during project implementation, serving as advisory team between UNDP and MES Hydromet.
  Comparative Analysis on Anti-hail Protection System for applying in Armenia conducted. The study is a brief analysis of one of the commonly used anti-hail systems both in the world and in the Republic of Armenia to provide recommendations and proposals for determining the most effective systems for protection of agricultural lands from hail exposure. The recommendations provided by UNDP experts (local and international) were endorsed by RA MES. The report was published and presented to RA Prime Minister (https://www.am.undp.org/content/armenia/en/home/library/comparative-analysis-of-anti-hail-systems-to-be-used-in-armenia.html).

Activity/Output	Expected Results	Amount ($)	Current Year (2020)					
			Planned				Actual	
			Q1	Q2	Q3	Q4	Status	Comments
Output 1: Hydro-meteorological observation and forecasting system enhanced and modernized.	AHS capacity building process and advance technology utilization training organized in partnership with Russian experts from Roshydromet and other relevant institutions.			x	x	x		
Output 2: Hydrometeorological observation and warning	Rehabilitation of high priority meteorological observing stations; 23 Automatic	152,000			x	x	In progress	Installation of AWSs (23) Procurement of additional 4

infrastructure improved	Weather Stations, rain gauges, standard equipment, power supply, telecoms for field stations installed							AWSs for roads and agriculture
	Data collection and analysing system equipment procured	$22,000		x	x		In progress	Procurement of server
Output 3: Early warning mechanisms established	Drafting of policy and providing advice on drafting "Disaster Risk Management and Population Protection Law" package	$8,500	x	$5,940	x		In progress	Deliverable #1 provided-Draft law package with recommendations
	Development of Software for Risk Atlas	15,000			x	x	Not started	

IV. GENDER MAINSTREAMING RESULTS

- *Indicate the project's alignment with the corporate Gender Equality Strategy Outcomes and Strategic Entry Outputs (page 16 GES).*
- *Indicate the project's gender marker (GEN0-3) and* ***gender-responsive and gender-transformative results*** *vis-à-vis the prodoc framework (N.B. UNDP Country Programme Documents requests that all projects be designed and implemented at GEN2-3 level).*
- *Indicate also the project's* ***crosscutting results (e.g., youth empowerment, risk-informed development schemes, integrated development schemes),*** *as well as the project's contribution for* ***Leaving No One Behind (LNOB)*** *indicating particular* ***target groups.***

The project corresponds to UNDP Gender Marker GEN-2 score, in line with the respective outputs of the 2016-2020 Country Programme Document signed with the Government of Armenia. Gender equality and women's empowerment parameter is aimed to be a significant objective of the output.

V. RISKS AND CHALLENGES

- *Present the project's issues, challenges and bottlenecks along with the suggested solutions.*
- *(1) Update the Project Risk Log in this report (2) and in Atlas (see a sample of UNDP standard risk log attached). N.B. Risks that are no further relevant shall not be deleted from the Log but a respective statement to be made in Risk treatment/management. SESP risks to be monitored in Risk Log.*

- ***Challenges:*** *Due to the current situation related to Covid-2019 the planned activities are shifted to 3 months period. Although the equipment of Automatic weather stations had procured and delivered, the installation started in end-June 2020 and will be finalized in September 2020.*

    - The planned study tour of the representatives of RA Crisis Management State Academy and Armenian Hydrometeorological Service to Moscow and St. Petersburg was cancelled. The aim of the mission was capacity building and advance technology utilization training for the respective staff in partnership with Roshydromet and other educational institutions of Russia Federation. Currently, the course is remodifying to distance learning and new curriculum is being developed in cooperation with Roshydromet.

VI. PRODOC CHANGES, HORIZON SCANNING

- *Present the analysis in your project's field (horizon scanning) regarding new opportunities, emerged stakeholders/donors, etc and hence the necessary changes recommended to the project document.*
- *State changes to the project document (both proposed and approved by Project Board). For substantive revision, a documented LPAC endorsement is to be presented to the Project Board. [N.B. Necessary actions regarding revised prodoc will follow].*

N/A

VII. PARTNERSHIPS, COMMUNICATION, KNOWLEDGE MATERIALS

- *Present planned and already conducted international, cross-sectorial and inter-agency cooperation instances. Differentiate by categories e.g., "South-South Cooperation", "Inter-agency cooperation", etc.*
- *Present a summary of communication and visibility activities with evidences (in line with Communication plan). It is recommended to include a table presenting events and links.*
- *Present the project's analytical and knowledge products in a similar table as in the above bullet point.*

- There is established synergy between WB on-going DRM technical assistance project and UNDP-GCF and UNDP-RTF projects aimed at modernization and provision of capacity building assistance to Hydrometeorology and Monitoring Center (HMC). As result of this cooperation a website for AHS/HMC will be developed based on the designed ToR by WB and financing of UNDP NAP and RTF projects. A Consultant will be hired for finalization of TOR for website and cell phone application. WB contracted a Swiss company for conducting assessment and providing recommendations on identifying of main directions of providing services to private sector by AHS, especially in tourism development, risk mitigation, agriculture.

VIII. EVALUATIONS

- *Inform about planned and implemented project evaluations. (2) Attach the updated Management Response table if applicable*

Project Final Evaluation is planned for December 2020

IX. DONOR REPORTS

- *Present the schedule of donor reports and requests for installments with the completion status.*

IX. VALIDATION OF RESULTS (FIELD VISIT) AND QUALITY ASSURANCE

- *Validation of results (filed visit) document is to be prepared during Q2 and Q4 (i.e., Annual) reports. Include in the report the last field visit document.*
- *Formulate **lessons learned** in highly strategic way.*
- *Update **quality assurance report** in the system for ongoing projects quarterly (to be cleared by programme manager and endorsed by portfolio manager (Assurer role). It is submitted and approved in the Corporate Planning System annually (Q4) for the approval of UNDP Programme Manager (RR/Approver role), with prior clearance by Assurer/Portfolio manager. For closing projects, **Project Closure quality assurance reports** to be prepared and approved in the system and presented to the last Project's Board Meeting along with the Final Report of the Project.*
- Presented in SPR

X. FUTURE ACTIONS, WORK PLAN

- *Indicate key actions ahead and attach the multiyear AWP from Prodoc (UNDP template is attached).*

- The project will implement installation of AWS stations and formulation of data management and weather forecasting consolidated network.
- The new AWS systems for agriculture and transport sectors will be procured and installed in one of the project target regions aimed to development of unified module for use of different sources and technologies for proper weather forecast and delivering services to relevant fields.

- Climate risk atlas will be developed in 5 target regions in partnership with Roshydromet and Cadaster institute of Russia.
- Basic trainings and ToT on use of AWS will be organized for AHS staff.
- Official website will be developed for AHS.

Resource Results Framework

Intended Outcome as stated in the UNDAF/Country Programme Results and Resource Framework:
UNDAF Outcome 7/CPD Outcome 4 (Outputs 4.1, 4.2) By 2020, sustainable development principles and good practices for environmental sustainability resilience building, climate change adaptation and mitigation, and green economy are introduced and applied.

Outcome indicators as stated in the Country Programme Results and Resources Framework, including baseline and targets:

Indicator 4.1: No. of innovative tools/approaches introduced to promote environmental sustainability and resilience principles. Baseline: 0; Target: 20

Indicator 4.2: No. of communities benefiting from innovative disaster risk reduction/resilience measures and practices Baseline: 0; Target: 5

UNDP Strategic Plan 2018-2021. Outcome 1/ Output 1.3.1. National capacities and evidence-base assessment and planning tools enable gender-responsive and risk-informed development investments including for response to and recovery from crisis.

Output indicator: Number of countries with development, risk reduction and recovery interventions informed by multi-hazard and other risk assessments.

Project title and Atlas Project Number: Increase Resilience of Armenia to Climate Change through Modernization of Armenia's Hydrometeorological Service/00110609

EXPECTED OUTPUTS	OUTPUT INDICATORS	DATA SOURCE	BASELINE		TARGETS (by frequency of data collection)					DATA COLLECTION METHODS & RISKS
			Value	Year	Year 1		Year 2		FINAL	
					Target	Result	Target	Result		
Output 1. Hydro-meteorological observation and forecasting system enhanced and modernized.	*1.1 Technical capacity of AHS staff for better forecasting, early warning and management are enhanced. Ensure gender-balanced groups (30-40% women).*	*World Bank assessment report*	0	2018	30%	10%	30%		60%	*UNDP report, formal documents, LoPs*
	1.2. The capacity to operate the hydro-meteorological radio locator system DMRL- C or DMRL-10 are developed.	*MES-Antigrad-WMO assessment report*	0	2018	0	0	50%		50%	*UNDP report, formal documents, transfer act*

	1.3: Modern forecasting tools and methodologies for weather and hydrological forecasting is introduced to improve accuracy, lead time and spatial resolution of forecasts. Involve female specialists in needs assessment and decision-making.	*World Bank assessment report*	*0*	2018	*0*	*0*	1 toolkit		1 toolkit	*LoPs, media UNDP report, formal documents, transfer act*
Output 2: Hydrometeorological observation and warning infrastructure improved	*2.1 Meteorological and hydrological observation networks are rehabilitated, matching observation network design and a maintenance programs are installed.*	*World Bank assessment report* *DRM National Strategy*	0	2018	20%	0	40%		60%	*UNDP report, formal documents, transfer act*
	2.2 Data collection and communication equipment and devices are upgraded	*World Bank assessment report*	0	2018	10 stations	0	10 stations		20 stations	*UNDP report, formal documents, transfer act*
	2.3 Real time forecasting system through use of radar, upper-air sounding system are enhanced	*World Bank assessment report*	0	2018	30%	0	40%		70%	*UNDP report, formal documents*
Output 3: Hydro-meteorological service delivery and early warning mechanisms are enhanced.	*3.1 Enhanced integrated disaster loss data management system established to unify, analyse and disseminate all incoming and outgoing data.*	*World Bank assessment report* *DRM National Strategy*	0	2018	30%	0	40%		70%	*UNDP report, formal documents*
	3.2 Climate risk mapping will be conducted for the targeted five marzes; Armavir, Aragatsotn, Vayots Dzor, Shirak and Lori with differentiated level of access for beneficiaries. Ensure at least 30-40% women as respondents. In focus groups, etc	*World Bank assessment report* *DRM National Strategy* *SFDRR*	0	2018	40%	0	40%		80%	*UNDP report, formal documents*

	3.3 Climate risk mapping conducted for the targeted five marzes; Armavir, Aragatsotn, Vayots Dzor, Shirak and Lori.	*World Bank assessment report*	0	2018	40%	0	40%		80%	*UNDP report, formal documents*
	Visibility, utility and credibility of the hydro-meteorological service are improved by facilitating access through modern communication technologies.	*World Bank assessment report* *DRM National Strategy*	0	2018	30%	0	40%		70%	*UNDP report, formal documents*

OFFLINE RISK LOG

Project Title: Increase Resilience of Armenia to Climate Change through Modernization of Armenia's Hydrometeorological Service	**Award ID:** 00111782	**Date:** 01.01.2019- 31.12.2020

#	Description	Date Identified	Type	Probability & Impact	Risk treatment/ Measurements	Risk owner	Submitted updated by	Last Update	Status
1	The poor condition of meteorological and hydrological observation networks and inefficient information exchange.	01.09.2018	Operational	P = 3 I = 3 Inefficient level of information exchange and weather forecast.	Observation infrastructures need to be strengthened urgently to provide the local climate information, which is required for various applications.	Armen Chilingaryan	UNDP	15.07.2020	No change
2	Limited financial, technical and institutional capacities, hindering agencies such as AHS, Ministry of Emergency Situations, Water Management State Committee, agriculture extension services and others to fulfil their core mandates.	01.09.2018	Operational Organizational	P = 3 I = 3 Inability to fulfil its mandate and provide qualified services	Socio-economic studies of the World Bank demonstrate the benefit to cost ratio of investing in Armenia Hydromet Service is high.	Armen Chilingaryan	UNDP	15.07.2020	No change
3	Information and alerts are not adapted to the day-to-day needs of the users (both in terms of content, format and timing). Mechanisms for the translation of forecasts into early warning information for critical response and for activating action at state and community levels are not well established.	01.09.2018	Regulatory	P = 3 I = 2 Lack of qualified information and early warning on weather extremes	Formulation of comprehensive draft legal package on unmanned aerial systems (drones) for Governments consideration.	Armen Chilingaryan	UNDP	15.07.2020	No change
4	Doppler Meteorological Radar (DMRL-10 or DMRL-C) systems to be installed in Shirak and Armavir marzes. At this time, it is confirmed, that the Government will invest USD 2,000.000 by the	01.09.2018	Operational	P = 2 I = 3 Low level forecasting accuracy	Regular meetings with the Government counterparts carried out to explain the importance of investment and show the benefits and returns from investment. The	Armen Chilingaryan	UNDP	15.07.2020	No change

	end of 2019. Based on the Project results and its impact the Government has obliged to invest additional USD 2,000.000.				effectiveness and efficiency of the spending of first tranche will significantly improve the probability for receiving the second tranche. Moreover, significant communication will be established with the private organizations, in order to establish large private public partnership.				
5	Possibility of political modifications in Armenian Government and subsequent shift from the ongoing policy of enhancing AHS capacities.	01.09.18	Operational	P = 2 I = 2	Regular meetings with the Government counterparts carried out to explain the importance of investment and show the benefits and returns from investment.	Armen Chilingaryan	UNDP	15.07.2020	No change
6	Anticipated structural changes in the RA Government may bring to internal re-organization and moving AHS to the RA Ministry of Nature Protection.	12.12. 18	Operational	P = 3 I = 3 Delay in the project implementation	Regular meetings with the Government counterparts to present the project outputs and progress and update the project activities accordingly.	Armen Chilingaryan	UNDP	15.07.2020	No change
7	Strong earthquake or activation of other hazards, that could potentially impede or delay project implementation.	01.09.18	Operational	P = 3 I = 3	Project implementation process coordinated with the AHS and Roshydromet specialists considering existing mitigation measures against earthquake and other secondary hazards, identifying main gaps, and proper solutions.	Armen Chilingaryan	UNDP	15.07.2020	No change

ANNUAL WORK PLAN 2020

EXPECTED OUTPUTS	PLANNED ACTIVITIES	Q1			Q2			Q3			Q4			
		1	2	3	4	5	6	7	8	9	10	11	12	PLANNED BUDGET
Output 1: Hydro-meteorological observation and forecasting system enhanced and modernized. **Baseline:** Lack of modern Hydro-meteorological observation and forecasting system. **Output Indicators:** *1.1 Technical capacity of AHS staff for better forecasting, early warning and management are enhanced.*	Activity 1.1: Technical training including at least; basic meteorology, hydrology & ICT, maintenance and operation of newly acquired equipment, ICT, data processing, analysis & management, geographical information systems and remote sensing. CMSA students will continue their education and professional development in above mentioned universities on bilateral bases including Master students.													**14,301.00USD**
1.2: Modern forecasting tools and methodologies for weather and hydrological forecasting is introduced to improve accuracy, lead time and spatial resolution of forecasts.	Activity 1.1.2: AHS capacity building process and advance technology utilization training will be organized in partnership with Russian experts from Roshydromet and other relevant institutions.													
	Activity 1.2.1: The forecasting tools will be assessed and introduced for identification of desired level of accuracy and subsequent models for localization in Armenia, taking into account the existing experience and capabilities of the Roshydromet.													

Output 2: Hydrometeorological observation and warning infrastructure improved **Baseline:** Lack of modern Hydrometeorological observation and warning infrastructure **Output Indicators:** ***2.1*** *Meteorological and hydrological observation networks are rehabilitated, matching observation network design and a maintenance programs are installed.* ***2.2*** *Data collection and communication equipment and devices are upgraded* ***2.3*** *Real time forecasting system through use of radar, upper-air sounding system are enhanced*	Activity 2.1: An assessment will be conducted in target 5 regions and terms of references, and technical specifications for the equipment will be developed for agricultural and transport weather stations.													**195,760.00USD**
	Activity 2.1.1: Rehabilitation of high priority meteorological observing stations; expansion and upgrading of the surface meteorological network: Automatic Weather Stations, rain gauges, standard equipment, power supply, telecoms for field stations will be acquired and installed													
	Activity 2.1.3: Expansion and upgrading of hydrological stations and specialized hydrological equipment will be done for rivers and reservoirs. Following a reorganization of the hydrological network, current meters, new automated water-level recorders will be installed as needed to meet new operational needs for flood-prone watersheds.													
	Activity 2.1.4 The newly established stations will be synchronized with the existing meters, to ensure the sustainability and accuracy of generated information flow. The professional capacities of staff will be increased to ensure effective maintenance of acquired equipment.													
	Activity 2.2.1 Data storage and management systems including ICT hardware and software for remote sensing and customized tools for GIS, risk modelling and forecasting will be developed/updated and enhanced based on needs assessment conducted jointly with AHS and Roshydromet.													

Output 3: Hydro-meteorological service delivery and early warning mechanisms are enhanced. **Baseline:** Lack of modern Hydro-meteorological service delivery and early warning mechanisms. **Output Indicator**: ***3.1*** *Enhanced integrated disaster loss data management system established to unify, analyses and disseminate all incoming and outgoing data.* *3.2 Visibility, utility and credibility of the hydro-meteorological service are improved by facilitating access through modern communication technologies.*	Activity 3.1.1: Support in establishment of integrated disaster loss data management system, including proper registration of hydro-meteorological emergencies and formulation of loss data statistics, including the historical data, as well as specifications for forecasting models and analysis.													**43,780.00 USD**
	Activity 3.2.1 Specialized weather, climate and hydrological products and services will be developed and distributed through the modern communication technologies in close cooperation with Roshydromet, tailored to sector specific needs (agriculture, water resources management, infrastructures, transport, energy disaster risk management, etc.).													
	Activity 3.1.3 The climate risk mapping will be conducted for the targeted five marzes; Armavir, Aragatsotn, Vayots Dzor, Shirak and Lori with differentiated level of access for beneficiaries.													
	Activity 3.1.4 UNDP will support the AHS in formulation of legislative amendments in the sphere of Hydrometeorological service by provision of proper expertise.													
General Management Support	Project Management and implementation													**46,159.00 USD**

Output Verification Template

Date: 25 June 2020_____
Subject and venue of visit: Monitoring of the project results, SGR Portfolio Office

Project: Increase Resilience of Armenia to Climate Change through Modernization of Armenia's Hydrometeorological Service/00110609

Outcomes	Update on outcomes	Outputs	Update on outputs	Reasons if Progress below target	Update on partnership strategies	Recommendations and proposed action
By 2020, sustainable development principles and good practices for environmental sustainability resilience building, climate change adaptation and mitigation, and green economy are introduced and applied	Project contributed to resilience building, climate change and risk mitigation in Armenia through strategic, technical and financial support.	**Output 1**. Hydro-meteorological observation and forecasting system enhanced and modernized. **Output 2:** Hydrometeorological observation and warning infrastructure improved **Output 3:** Hydro-meteorological service delivery and early warning mechanisms are enhanced.	Installation of Automatic weather stations postponed to the end of June 2020	Due to the current situation related to Covid-2019 the planned activities are shifted to 3 months period. Although the equipment of Automatic weather stations had procured and delivered, the installation started in end-June 2020 and will be finalized in September 2020.	Partnership established between UNDP RTF, NAP CCF Projects and WB for joining efforts in capacity building of AHS.	NA

PROJECT PERFORMANCE—IMPLEMENTATION ISSUES
Due to COVID-19 worldwide spread several activities are in delay, which will not affect the output and outcome levels.

PROGRESS TOWARDS RESULTS

For the reporting period there is no progress in results due to prolonged procurement process and COVID-2019 situation.

The validation of results was demonstrated at the Board meeting of the Project during which the overall recommendations on directions of the project were presented, project annual plans and existing minor deviations were reviewed and approved, the recommendations from Ministry of Environment were discussed and documented and Annual workplan and deliverables were presented and approved.

The results are reflected in the Project RRF and during the reporting period the project managed to achieve the set targets.

LESSONS LEARNED

During the reporting period it was revealed that there is lack of in-depth understanding of organization's needs, capacities and long-term development priorities' in AHS.

Participants in the field visit:

Armen Chilingaryan, DRR Project Coordinator
Armen Martirosyan, SGR Portfolio Analyst

Signed by: _____
Armen Martirosyan, SGR Portfolio Analyst