



“Development of Armenia’s Fourth National Communication to the UNFCCC and Second Biennial Update Report”
UNDP-GEF/00096445

Enabling Activities for the Preparation of Development of Armenia’s Fourth National Communication to the UNFCCC and Second Biennial Update Report
(Project Award ID number: 00096445)

INCEPTION REPORT

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List of Acronyms

AFOLU	Agriculture, Forestry and Other Land Use
APR	Annual Project Report
AWP	Annual work plan
BAU	Business as Usual
CC	Climate Change
CDR	Combined Delivery Report
CO	Country office
COP	Conference of the Parties
CP	Country Programme
CPD	Country Programme Document
FBUR	First Biennial Update Report
FNC	First National Communication
GEF	Global Environment Facility
GHG	Greenhouse Gas
GoA	Government of Armenia
HPP	Hydro Power Plant
IACCC	Inter-agency Council on Climate Change
IPCC	Intergovernmental Panel on Climate Change
IR	Inception Report
M&E	Monitoring and Evaluation
MDGs	Millennium Development Goals
MNP	Ministry of Nature Protection
MoU	Memorandum of Understanding
NAMA	Nationally Appropriate Mitigation Actions
NAP	National Adaptation Program
NC	National Communication
NGO	Non-governmental Organization
NIM	National Implementation Modality
NPC	National Project Coordinator
NPD	National Project Director
PC	Climate Change Programme Coordinator
POB	Project Outcome Board
Prodoc	Project Document
PSC	Project Steering Committee
QA	Quality Assurance
QC	Quality Control
QPR	Quarterly Progress Report
RA	Republic of Armenia
SBAA	Standard Basic Assistance Agreement
SDP	Sustainable Development Program
SNC	Second National Communication
TL	Team Leader
TNC	Third National Communication
ToR	Terms of Reference
TWG	Thematic Working Group
UNCBD	United Nations Convention on Biological Diversity
UNCCD	United Nations Convention to Combat Desertification
UNDAF	United Nations Development Assistance Framework
UNDP	United Nations Development Programme
UNFCCC	United Nations Framework Convention on Climate Change

USAID
USD
V&A

United States Agency for International Development
United States Dollar
Vulnerability and Adaptation

I. INTRODUCTION

Armenia as a non-Annex I Party to the Convention (Armenia ratified the Convention in 1993 and the Kyoto Protocol in 2002), has prepared and submitted to the Conference of Parties three National Communications (NCs): The First, Second and Third National Communications were submitted to the UNFCCC in 1998, 2010 and 2015 respectively and the Armenia's First Biennial Update Report was submitted to the UNFCCC on April 28, 2016. In January 2010 the Government of Armenia (GoA) associated itself to the Copenhagen Accords and submitted on a voluntary basis the framework of nationally appropriate mitigation actions to the UNFCCC Secretariat. In 2015 Armenia adopted its INDC by the Government decision and submitted to the UNFCCC. The Paris agreement was signed on September 2016 and ratification process was initiated.

The Ministry of Nature Protection (MNP) is the designated authority for coordinating the activities aimed at implementation of the country's commitments under the UNFCCC. Taking into account the necessity of inter-sectoral cooperation on climate policy the "Inter-agency Coordinating Council for Implementation of Requirements and Provision of the UN Framework Convention on Climate Change" (IACCC) was established in 2012 by the RA Prime Minister Decision No 955-A. The Council in particular is entrusted with coordination of the activities aimed at the fulfillment of obligations under the Convention and evaluation of implementation thereof. Establishment of the IACCC was also extremely important for coordinating national communications and biennial reports preparation and verification.

In 2015 the Division of Climate Change and Atmospheric Air Protection Policy was established under the Environment Protection Policy Department of the Ministry of Nature Protection of RA, with inter alia functions in shaping of the national climate policy under UNFCCC and provision of the recommendations on climate change legal framework (normative and regulatory legal acts).

The **United Nations** (UN) system in Armenia has developed the third *UN Development Assistance Framework (UNDAF)* for 2016-2020 in line with the main national development priorities. According to the latter, the UN system in Armenia will support the country in its development efforts, will ensure national ownership of UN programmes and projects, and will further develop Armenia's individual and institutional national capacities. In 2015 the UNDP's Country Program Document was approved for 2016-2020, according to which UNDP will contribute to the achievement of five Strategic outcomes of the CPD, of which fifth one relates to the climate change and environment objectives: "Countries are able to reduce the likelihood of conflict and lower the risk of natural disasters, including from climate change". The two outcomes under that objective: "Output 7.2 Innovative climate change and disaster-risk reduction/resilience measures and practices applied and replicated across the country" and "Output 7.4 Low carbon and 'green economy' issues become priority for the Government, supported by relevant regulatory framework and activities" coordinated under Sustainable Growth and Resilience Portfolio. With United Nations organizations and local authorities, UNDP will build on extensive work to mitigate the risk of natural disasters, including from climate change, forging new partnerships around the Hyogo Framework for Action.

Since 1996 UNDP has been supporting Armenia in focusing assistance towards compliance with international conventions, aiming at capacity development to implement global environmental conventions primarily through UNDP-GEF portfolio for climate change - over a dozen projects have been implemented/ completed since then and 2 are currently ongoing.

In 2014, the Government of Armenia (GoA) revised its previous Sustainable Development Programme, taking into account the new realities, and adopted the Armenia Prospective Development Strategy for 2014-2025. It highlights the need for sustainable and inclusive growth, particularly promotion of environmentally sound technologies and effective natural resources management (including cross-sectoral considerations) in accordance with the sustainable development goals. A number of policies and regulations have been enacted, based on sustainable development principles, to promote sustainable growth and improve environmental management.

The most recent relevant to climate change policy and strategy documents adopted by the Government of Armenia are as follows:

- Intended Nationally Determined Contributions of the Republic of Armenia under the UN Framework Convention on Climate Change (GoA Decision #41, 2015)
- RA Energy System Long-Term (up to 2036) Development Ways, 2015
- Sustainable Energy Action Plan of Yerevan city, 2016
- Second National Energy Efficiency Action Plan, 2016
- Energy Security Concept of the RA (2013) and Energy Security Action Plan for 2014-2020, (GoA Decision # 836-N, 2014)
- Scaling Up Renewable Energy Program (SREP) Investment Plan for Armenia, 2013
- Transport sector strategy and Master plan of RA, 2011
- Strategy of Sustainable Agricultural Development for 2010-2020, (GoA Decision # 1476-N, 2010)

The UNDP-GEF project will help Armenia to prepare its Fourth National Communication (4NC) and Second Biennial Update Report (2BUR) to the UNFCCC. The activities of the project are a continuation of the work undertaken under the FNC, SNC, TNC, FBUR and other climate change related projects. It will help strengthen the country's technical and institutional capacity to implement the commitments under UNFCCC by focusing on issues identified by the Government of Armenia as environment and development priorities. The project strategy revolves around further enhancement of the national capacities for environmental governance, including effective management of natural resources, support to introduction and transfer of cleaner technologies, energy efficiency/renewable energy, increase in the resilience of the country to the CC impacts through identification of the main vulnerable sectors and feasible adaptation measures, as well as mainstreaming the CC in environmental education in accordance with the SDGs and providing updated information on the progress in mitigation and adaptation policies and programs in the country, institutional and legal gaps. The project will also promote the incorporation of climate change concerns into national development policies and plans.

The project will be implemented through UNDP-Armenia as GEF Implementing Agency, based on the National Implementation Modality (NIM), to promote national ownership, leadership and accountability. It will take into account the considerable experience from the implementation of the other climate change-related projects, particularly ones aimed at preparation of the TNC and FBUR. The results and experiences of these projects, together with the recommendations developed in the course of inception phase consultations will be used to address the gaps and constraints identified. The project will assist in implementation of the measures included in the GoA decision #1594 from 10.11.11 and GoA Decision 49 from 8.12.2016 aimed at implementation of the commitments of the RA under the multilateral environmental conventions, including UNFCCC.

The Project will concentrate on the activities which will ensure the national capacity building and coordination among different actors, and building partnership for leveraging financial means for addressing the sectors with the highest greenhouse gas (GHG) emissions potential and critical for increasing the countries resilience to negative impacts of climate change.

The Prodoc refers to the Inception Report, which should be prepared following the Inception Workshop. The Prodoc states that the contents of the Inception Report should include:

- First Year Annual Work Plan divided in quarterly time-frames detailing the activities and progress indicators that will guide implementation during the first year of the project;
- A detailed narrative on the institutional roles, responsibilities, coordinating actions and feedback mechanisms of project related partners;
- A detailed schedule of project reviews meetings (tentative timeframes for Steering Committee Meetings, and project related Monitoring and Evaluation activities);
- A detailed project budget;

- Progress to date on project establishment and start-up activities;
- An update of any changed external conditions that may affect project implementation.

The Inception Report is subject to approval by the UNFCCC National Focal Point.

II. PROJECT OBJECTIVE AND OUTPUTS

The **overall goals** of the project are: (1) Assist Armenia in preparing and submitting its Fourth National Communication and Second Biennial Update Report to the UNFCCC in accordance with its commitments as a non-Annex I Party to the Convention (as mandated by Articles 4 and 12); in doing so (2) support mainstreaming and integration of climate change into national and sectorial development policies through ensuring continuity of the institutional and technical capacity building, partly initiated and consequently sustained by reporting instruments under the UNFCCC; (3) institutionalize data collection, processing, interpretation and dissemination of GHG inventory, and continue building on appropriate and well-informed basis for climate change mitigation, adaptation, education and awareness-raising strategies at local and national levels.

While the **immediate objective** of the project is to assist the country in fulfilling its obligations under UNFCCC, consistent with the COP Decision 1/CP.16 (paragraph 60) and Decision 2/CP.17 (paragraph 41). In the long term, the project will allow the country to lay the foundations to strengthen the existing institutional arrangements and support the long-term targets aimed at reversing the impacts of climate change. Building on the previous NC and BUR process, the project comes in a timely manner to generate the basis and advice on strategic policy decisions to achieve stated objectives under INDC. The **emphasis of the project** will be on the GHG inventory, measures to mitigate climate change, assessment of vulnerability for the priority areas selected under the stocktaking exercises, as well as on education and public awareness. Building on results of these studies, the options to mitigate climate change by reduction of GHG emissions and facilitating adaptation to climate change for the selected priority area will be analyzed and reviewed in the light of country sustainable development context. Gaps, uncertainties and constraints along with other information related to the UNFCCC will be addressed as indicated by Decision 17/CP.8. Finally, the information gained during the project will be communicated to the COP in the form of the “Armenia’s Fourth National Communication” and “Second Biennial Update Report under UNFCCC”.

The **Project components** include: (i) National circumstances and institutional arrangements, as well as other information relevant to the achievement of the objectives of the UNFCCC, including constraints and gaps related to financial, technical, capacity and support needs, and support received; (ii) GHG Inventory (2014, and 2016); (iii) Measures to mitigate climate change; (iv) Vulnerability assessment and measures to facilitate adaptation to climate change; (v) Domestic monitoring, reporting and verification (MRV) system; (vi) production of the 2BUR and 4NC, and Monitoring and Evaluation (M&E).

Besides complying with reporting requirements, the project will link complementary and interrelated project milestones, in a much more efficient way, coordinating the schedules of expected outcomes. The capacities within various relevant institutions are already built through the FNC, SNC, TNC and FBUR processes. Their involvement in the 4NC and 1BUR processes will further strengthen the institutional technical abilities to support the efficient implementation of the UNFCCC and enhance the reporting process overcoming weaknesses, constraints and gaps.

The **project outcomes** will be achieved through a wide range of outputs compatible with the UNFCCC goals. Knowledge and awareness extension on climate change related issues at the planning and policy levels are crucial, so the institutions will be able to establish climate change issues into relevant social, economic, scientific and environmental policies, programs and strategies. Besides, such issues should be also reflected through national development priorities. That way, identified and prioritized mitigation and adaptation actions will be consistent with national sustainable development priorities, including INDC, and climate change mitigation and adaptation related projects may be eligible for mobilizing additional funding resources by GEF or other multilateral and bilateral organizations.

The Project implementation shall facilitate the following:

- Further upgrading and improving the national GHG inventory system, by filling out the gaps of the activity data, developing country-specific emissions factors and applying higher tier approaches, considering new sub-categories and reducing the uncertainties encountered in the previous inventories.
- Building national capacities allowing the country to apply 2006 IPCC Guidelines and 2006 IPCC Software for developing National GHG Inventory, assisting in establishment of National Inventory System with defined institutional arrangements.
- Assisting in mainstreaming mitigation considerations in course of updating/developing strategic programmes.
- Analyzing the impact of the current and planned mitigation policies/actions for more ambitious mitigation targets;
- Developing the analysis of options to adapt to the impacts of climate change with focus on ecosystem based approach. The Project will pay special attention to extreme weather events and risk management aspects. The climate change scenarios and their socio-economic impacts will be analyzed, since agriculture sector is exceptionally vulnerable to extreme weather, special attention will be devoted to expected changes in extreme weather events frequency, intensity, distribution and impact. One of the new sectors to analyze will be impact on energy sector and tourism.
- Collecting and analyzing the data on climate change trends in the country, including climate change related risks and coping mechanisms.
- Strengthening the policy framework ensuring adequate adaptation to climate change in the traditionally vulnerable sectors in the country (agriculture, water, natural ecosystems, health, settlements and infrastructures, energy and tourism) with in-depth regional focus, applying new socio-economic, climate and crop models
- Preparing a road map for the implementation of the INDC submitted to the UNFCCC;
- Addressing the capacity building needs and involvement of stakeholders, both on national and local level, within the context of a shared vision on climate change adaptation and mitigation;
- Contributing to the implementation of the latest decisions of COPs on implementation of Article 6 of the Convention;
- Continuing the awareness raising activities on climate change that interact with targeted audiences of various age groups including students, teachers, governmental officials, private sector, non-government organizations, civil society and general public;
- Mainstreaming gender perspectives through collecting and analyzing gender disaggregated data in relation to climate change. The data will be used in defining specific gender needs and proposing actions to promote women's participation in defining mitigation and adaptation strategies;
- Update the constraints, gaps and related financial, technical and capacity needs, as well as publish findings and promoting biennial update report and national communication

III. PROJECT STRATEGY

The project will build upon findings and experience gained through activities/projects aiming at addressing climate change issues and meeting the country's commitments under the UNFCCC. This project will support addressing one of the **UNDAF** (2016-2020) and **Country Program Document** (2016-2020) priorities: further enhancement of the national capacities for environmental governance, including effective management of natural resources, support to introduction and transfer of cleaner technologies, energy efficiency/renewable energy and environmental education in accordance with the SDGs.

The UNDP has a strong comparative advantage in supporting preparation of the 4NC and 2BUR, because of managing the **National Communications Support Programme (NCSP)** with the funding of the GEF. The NCSP has been working with more than 130 developing countries, providing technical and policy support for over a decade. The international knowledge network provided by the NCSP will be fundamental in ensuring quality results for the Project.

The project will assist Armenia in preparing its 4NC and 2BUR following the guidelines adopted by the Conference of Parties for Non-Annex I Parties.-

The project will build on the **previous work** done under Armenia's reporting to the UNFCCC, with full consideration of knowledge generated in the course of new studies, research, and complementary projects, and will continue the ongoing partnership among relevant stakeholders, including government, civil society, academia, private sector and international development partners in order to maintain continuity in the NCs and BURs preparation process. The development of national communications and biennial update reports to the UNFCCC on a continuous basis will serve as a capacity building platform and will contribute to the integration of climate change concerns into relevant sectorial policies and national development strategies.

The stakeholders of the project will be the partners and experts involved in the course of preparation of the previous national communications, which come from a range of backgrounds, with particular emphasis on related sectors, thus fostering synergies of environmentally responsive policy implementation. The main objective of this project is to enhance the capacity and efficiency of preparation of national communications and biennial update reports in a continuous manner. As the UNFCCC process is evolving and increasingly complex, capacity-building activities are even more important to 4NC and 2BUR. Hence, they will form the key part of the project and will be done through training workshops, sharing experiences and encouraging information exchange between national and relevant regional and international institutions. This will increase the existing capacity and reduce technical gaps identified.

The project will furthermore, raise awareness about dynamics and relevance of the UNFCCC, especially in relation to the commitments and obligations under the Convention. Cooperation and coordination among public, private and civil society will also be promoted through workshops and public relations.

The emphasis of the project will be on the GHG inventory, measures to mitigate climate change, assessment of vulnerability for the priority areas selected under the stocktaking exercises, as well as on capacity building and public awareness. Building on results of these studies, the options to mitigate climate change by reduction of GHG emissions and facilitating adaptation to climate change for the selected priority area will be analyzed and reviewed in the light of country sustainable development context and new requirements under Paris Agreement.

Gaps, uncertainties and constraints along with other information related to the UNFCCC implementation will be addressed as indicated by 17/CP.8. Finally, the information compiled and analyzed during the project will be communicated to the COP in the form of the "Armenia's Fourth National Communication" and "Second Biennial Update Report" under the UNFCCC.

Synergies with other climate change ongoing activities/projects will be utilized. Strengthening the coordination process with relevant conventions (UNCBD, UNCCD, Montreal Protocol, etc.) and sustainable development programmes (SDP, MDGs, etc) will be the most important strategic step of the project for successfully mainstreaming climate change issues into Action Plans of these Conventions and country's sectoral plans. The project will respond to these issues by developing analytical reports, facilitating and promoting public participation and awareness raising through workshops, seminars, electronic networks, and by other initiatives.

The crucial element determining the success of the project will be the close collaboration of all relevant national stakeholders (see Annex 1, Stakeholder involvement matrix), including ministries, agencies, NGOs and programmes at the institutional level, as well as close collaboration of the project personnel at the

individual level. A key focus of the project will also be promoting regional cooperation in assessing climate change impact and scenarios on the regional level, as relevant.

IV. PROJECT WORKPLAN

All priority activities of the project will be implemented within a 4-year timeframe and are clustered around 6 main components:

- 1. National Circumstances and institutional arrangements relevant to the preparation of the biennial update report and national communications, other relevant information** Update of National circumstances on natural resources, geography, climate and socio-economic conditions affecting mitigation and adaptation capacity;
 - Analysis of national development objectives, priorities, specific needs and concerns related to climate change;
 - Analysis and description of Institutional arrangements relevant to the preparation of the biennial update reports and national communications. Description of support received and assessment of constraints, gaps and technology, financial and capacity needs for mitigation and adaptation.
- 2. Greenhouse Gas (GHG) Inventory**
 - Analyze gaps, shortcomings and possible improvements resulted from the FBUR experience;
 - Review and select the appropriate methodologies for conducting GHG inventory;
 - Collect GHG inventory activity data;
 - Develop GHG Inventory for 2013-2014 (2BUR), and 2015-2016 (4NC) and time series back to the previous years;
 - Assist in establishment of the National Inventory Systems with defined institutional arrangements;
 - Strengthen cross-sectoral exchange and collaboration for preparation of the GHG inventory,
 - Ensure the quality assurance verification processes. It will be done with the involvement of relevant stakeholders including but not limited to interagency working group under Climate Change Council, and also reinforce the participation and involvement of stakeholders;
 - Report on improvements compared to previous Inventory reports, built capacity, shared knowledge, applied methods and used technology tools, including National Inventory System establishment progress.
- 3. Mitigation to Climate Change**
 - Implemented GHG mitigation policies and actions reported for the period of 2014-2016 (2BUR).
 - Recently adopted strategic papers, programs and actions analyzed for the development of mitigation scenarios:
 - Updated mitigation scenarios up to 2030 developed;
 - GHG emissions up to 2030 assessed.
- 4. Climate change vulnerability assessment for priority sectors**
 - Arrange organizational issues for development of the Vulnerability and Adaptation (V&A) Chapter;
 - Collect data, including establishment of an electronic database, archive data, assess vulnerability, including for a pilot area;
 - Assess current vulnerability and adaptation of the selected priority sectors/areas;
 - Assess future climate risk and adaptation measures for priority sectors;
 - Complete Vulnerability and Adaptation Chapter.
- 5. Establishment of domestic Measurement, Reporting and Verification system accelerated**
 - Proposal for establishment of the domestic MRV system outlined in the 1BUR reviewed and updated
 - Policy framework for the establishment of domestic MRV system developed

6 Preparation and submission of Armenia's Second Biennial Update Report and Fourth National Communication

- Compile the draft versions of Armenia's 2BUR and 4NC;
- Organize a national workshops to present the findings of Armenia's 2BUR and 4NC;
- Submit officially Armenia's 2BUR and 4NC to the UNFCCC Secretariat;
- Present the 2BUR and 4NC in side events during the COP/Subsidiary Body sessions.

The detailed Annual Workplan for 2017 is shown in Table 1.

PROJECT WORKPLAN FOR 2017¹

The detailed Annual Workplan for 2017 with progress indicators (see Table 1) was developed prior to the Inception seminar and provided to the Project Steering Committee (PSC). It was approved by the PSC during the meeting on 28 of October 2016.

¹ *The activities in the Workplan are numerated according to the Project workplan.*

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Table 1. Detailed Annual Workplan for 2016-2017

Outcome/Outputs/Activities	Q4	Q1	Q2	Q3	Q4	Progress Indicators
IMPLEMENTATION ARRANGEMENTS AND PROJECT INCEPTION						
Activities						
1. Establish the project management staff	X					Team is established
2. Establish technical teams	X	X				Tasks are developed
3. Organize a project initiation workshop		X				Workshop minutes
4. Organize a scoping meeting	X	X				Minutes of the meetings
5. Maintain and upgrade the electronic network among experts/institutions		X	X	X	X	Database is updated
OUTCOME 1: NATIONAL CIRCUMSTANCES AND INSTITUTIONAL ARRANGEMENTS RELEVANT TO THE PREPARATION OF THE BIENNIAL UPDATE REPORT AND NATIONAL COMMUNICATIONS UPDATED, OTHER RELEVANT INFORMATION DESCRIBED						
Output 1.1: National circumstances on natural resources, geography, climate and socio-economic conditions affecting mitigation and adaptation capacity updated; national development objectives, priorities, specific needs and concerns related to climate change analyzed						
Activities						
1.1.1 Identify and mobilize national experts for review of National Circumstances.			X			The working group formed
1.1.2 Review and update data used in the FBUR.			X			Updated database
1.1.3 Describe features of the country and National Circumstances.			X			Updated information
1.1.4 Analyze national development objectives, priorities, specific needs and concerns related to climate change.			X	X		Report developed
Output 1.2: Institutional arrangements relevant to the preparation of the biennial update reports and national communications analyzed and described						
Activities						
1.2.1 Review and update the existing institutional arrangements under the FBUR.				X		Constraints identified
1.2.2 Consider an opportunity of establishing new legal/formal arrangements.				X	X	Recommendations provided
1.2.3 Describe any adjustments or changes recommended to existing institutional arrangements.					X	Report developed
Output 1.3: Mechanism for stakeholder participation to enable the preparation of the biennial update reports and national communications described; Gender disaggregated data collected and analyzed in relation to climate change						
Activities						
1.3.1 Identify the stakeholders providing key information necessary for preparation of national communications and BURs.			X			Stakeholders identified
1.3.2 Clear define the roles and responsibilities of the key stakeholders, including the procedures for the flow of necessary information and data.				X		Roles and responsibilities defined
Output 1.4: Technology, financial, capacity and awareness needs for mitigation and adaptation assessed and stakeholder awareness rising activities and trainings for partner agencies organized						
Activities						
1.4.1 Collect information on financial resources, technology transfer, capacity building and technical support received from bilateral and multilateral donors for activities related to climate change.				X		The list of support received developed
1.4.2 Assess constraints, gaps and technology, financial and capacity needs and identify new ones. This will be done in consultation with stakeholders.				X	X	Report on needs assessment prepared
1.4.3 Summarize information on financial resources, technology transfer, capacity building needs and support received.					X	Report developed

OUTCOME 2: NATIONAL GHG INVENTORY UPDATED AND CAPACITY TO COLLECT THE ACTIVITY DATA ON A CONTINUOUS BASIS STRENGTHENED						
Output 2.1: GHG inventory team maintained and strengthened						
Activities						
2.1.1. Review the composition of the existing national GHG inventory team under the FBUR and update as necessary. Agree on institutions' involvement in the GHG inventory preparation process and establish a working group.		X	X			Working group is formed and agreed with corresponding agencies
2.1.2. Train national partners and experts on 2006 IPCC Guideline and related software package requirements for GHG inventory.		X	X			Training materials and minutes of working meetings
2.1.3. Agree with the relevant bodies on the arrangements and coordination of the inventory work.		X	X			Working plan of GHG inventory is agreed
Output 2.2: Methodologies for conducting GHG inventory analyzed, selected and validated						
Activities						
2.2.1. Review methodologies applied in FBUR and assess possibilities for applying higher tier approaches for assessing GHG emissions.		X	X			Updated approaches determined
2.2.2. Assess possibilities for further disaggregating of GHG emissions and identify new source categories.		X	X			New categories identified
2.2.3. Identify all new sources of information for collecting activity data.		X				New sources are identified
2.2.4. Update, as needed National emission factors for the key sources.		X	X			Country-specific emissions factors updated
2.2.5. Develop new country specific emissions factors for the key sources enabling application of higher tier approaches.		X	X			Country-specific emissions factors developed
2.2.6. Review and update the quality assurance / quality control (QA/QC) plan.		X	X			QA/QC plan developed
Output 2.3: The collection process, accuracy and completeness of the activity data are improved						
Activities						
2.3.1. Identify all possible sources of data and develop recommendations on setting up the process of data collection in cooperation with the NSS of the Republic of Armenia on continuous basis.			X	X	X	Recommendations developed
2.3.2. Ensure cross checking of data available from different sources.		X	X			Data for corresponding years are compiled
2.3.3. Identify, assess and minimize uncertainties associated with the GHG emissions (removals) assessment.		X	X			Key Sources uncertainty assessment provided
Output 2.4: GHG inventory updated to 2014						
Activities						
2.4.1. Develop draft National inventory for 2013, 2014.			X	X		Draft Inventory report
2.4.2. Discuss and agree the draft National Inventory report with stakeholders.				X		Comments and recommendations received
2.4.3 Finalize the National GHG Inventory report.				X	X	Final report on GHG Inventory
OUTCOME 3: REPORT ON POLICIES AND MEASURES TO MITIGATE THE CLIMATE CHANGE PREPARED AND CAPACITY TO COLLECT AND ANALYZE THIS INFORMATION ON A CONTINUOUS BASIS FOR THE FUTURE BIENNIAL UPDATE REPORTS AND NATIONAL COMMUNICATIONS STRENGTHENED						
Output 3.1: Mitigation analysis presented in the 1BUR and 3NC reviewed and updated. GHG emissions projections up to 2030 estimated						

	Activities						
3.1.1.	Assess to what extent climate change mitigation measures reported in the FBUR have been realized.			X	X		Initial report
3.1.2	Assess the measures carried out during 2013-2016 as well as planned mitigation measures envisaged by the sectoral strategies and development plans. Provide a detailed description of the mitigation actions, including the name, sector, coverage, goals, objectives, methodologies, inputs and outputs.		X	X	X		List of mitigation measures
3.1.3.	Collect macroeconomic data and set assumptions.				X		Data are compiled
3.1.4.	Update the developments in the relevant policy and legal framework for development of mitigation scenarios.			X	X		Strategic papers of are reviewed
3.1.5	Develop GHG baseline and mitigation scenarios and analyze GHG emissions projections per scenarios.				X	X	Revised scenarios developed
3.1.6.	Finalize the Mitigation chapter of 2BUR.					X	Mitigation chapter developed
OUTCOME 4: CLIMATE CHANGE VULNERABILITY ASSESSMENT FOR PRIORITY SECTORS DEVELOPED (WITH REGIONAL AND LOCAL FOCUS AS APPLICABLE) AND PLANS AND PROGRAMMES PROPOSING MEASURES TO FACILITATE ADAPTATION PREPARED)							
Output 4.1: Organizational issues for development of the Vulnerability and Adaptation (V&A) Chapter arranged							
	Activities						
4.1.1.	Organize a workshop on vulnerability and adaptation issues to present the related activities undertaken to date, the strategically important developments in various sectors, needs and opportunities, including in the areas of scientific research, technologies, finance and organizational issues.				X		Minutes of the workshop and submitted documents
4.1.2.	Revise/prepare the list of vulnerable sectors and the specific sub-sectors and decide on the range of the assessment: qualitative versus quantitative. Decide on the approaches, tools and methods to be used for the assessment.					X	Analytical report of suggested methods
4.1.3.	Develop terms of references, select and bring on board national experts and specialized institutions.				X	X	Working group is formed
4.1.4.	Develop the detailed work plan of each expert and institution (including for research, modelling, technological applications, and coordination with stakeholders).					X	Work plan for the thematic group
4.1.5.	Organize and conduct training for national experts on new methods of climate change impact assessment and adaptation approaches.					X	Training materials Minutes of trainings
4.1.6.	Validate, select or adapt best methodologies for vulnerability assessment.					X	Assessment methods and models are selected
Output 4.2:							
	Activities						
4.2.1.	Identify the type and scope of data and information needed for using the CC impact forecasting models and tools.					X	Data list is developed
4.2.2.	Establish a data collection system for vulnerability assessment (in cooperation with scientific institutions and the NSS).					X	Templates for data collection
4.2.3.	Collect and synthesize the necessary data/information and maintain continuous consultations with stakeholders.					X	Data software per vulnerable areas
4.2.4.	Review the policy process and development context for the selected sectors in order to explore how vulnerability issues are addressed and adaptation measures integrated into the sectoral policies and decision-making agenda.					X	Reports per sectors

Output 4.3: Current vulnerability and adaptation of the selected priority sectors/areas assessed						
Activities						
4.3.1. Develop respective indicators for baseline development.						List of indicators
4.3.2. Develop a climate baseline for priority sectors considering the baseline identification methodology according to technical papers suggested by NCSP, CGE and IPCC.						Baseline for vulnerable sectors is developed
4.3.3. Develop a socio-economic baseline.						Baseline is developed
4.3.4. Assess current vulnerability of sectors to the climate change.						Initial assessment of 2 sectors is implemented
4.3.5. Assess any previous adaptation experience in priority sectors, if available, with consideration of "ecosystem approach".						Analytical report
Output 4.4: Future climate risk and adaptation measures for priority sectors assessed						
4.4.1. Study extreme climatic risks; recommend implementation of Climate Watch system. Adapt long-term climate prediction methodologies for national circumstances.						Methodology is selected and agreed
4.4.2. Explore the possibility of using non-meteorological (alternative) datasets, develop improved decadal as well as centennial climate changes scenarios for Armenia using new data sets (CMIP5, CORDEX).						Draft scenarios are developed
4.4.3. Apply statistical and/or dynamical downscaling technique for development of fine resolution scenarios; assess change of hydro meteorological vulnerability of the territory of Armenia due to climate change.						Draft scenarios are developed
4.4.4. Select a climate change scenario (scenarios) and conduct vulnerability assessment for all priority sectors and specific sub-sectors by utilizing the recommended and selected models. Develop corresponding maps.						Scenarios and models are adopted
OUTCOME 5: ESTABLISHMENT OF DOMESTIC MEASUREMENT, REPORTING AND VERIFICATION SYSTEM ACCELERATED						
Output 5.1: Proposal for establishment of the domestic MRV system outlined in the 1BUR reviewed and updated and policy framework for the establishment of domestic MRV system developed						
Activities						
5.1.1. Proposal for establishment of the domestic MRV system outlined in the 1BUR reviewed and updated.				X	x	Initial report
5.1.2. Develop recommendations on national institutional arrangements and framework for establishment of domestic MRV.				x	x	Policy framework for the establishment of domestic MRV system developed
OUTCOME 6: SECOND BIENNIAL UPDATE REPORT AND FOURTH NATIONAL COMMUNICATION CONSOLIDATED AND SUBMITTED, APPROPRIATE FRAMEWORK IN PLACE FOR PROJECT M&E, FINANCIAL AUDIT CONDUCTED AND LESSONS LEARNED COMPILED						
Output 6.1: Second biennial update report consolidated and submitted						
6.1.1. Compile the draft version of Armenia's 2BUR.					X	Draft report
6.1.2. Organize a national workshop to present the findings of Armenia's 2BUR.					X	Minutes of the workshop
6.1.3. Submit officially Armenia's 2BUR to the UNFCCC Secretariat.						

Table 2. Project Budget, 2016-2020

Project ID:	00096445	Output ID:	00100369
Award Title:	IV National Communication & II Biennial Report to UNFCCC		
Business Unit:	ARM10		
Project Title:	Development of Armenia's Fourth National Communication to the UNFCCC and Second Biennial Report		
PIMS no.	5870		
Donor:	10003		
Fund:	62000		
Implementing Partner (Executing Agency)	000906/Ministry of Nature Protection of the Republic of Armenia		

GEF Outcome/Atlas Activity	Responsible Party/Implementing Agent	Fund ID	Donor Name	Atlas Budgetary Account Code	ATLAS Budget Description	Amount Year 2016 (4 month) (USD)	Amount Year 2017 (USD)	Amount Year 2018 (USD)	Amount Year 2019 (USD)	Amount Year 2020 (8 month) (USD)	Total (USD)
OUTCOME 1: National Circumstances and institutional arrangements relevant to the preparation of the biennial update report and national communications updated, other relevant information described (research/systematic observation, technology transfer, education, public awareness, capacity building, constraints and gaps)	MNP	62000	GEF	71300	Local Consultants	-	3,000.00	10,000.00	6,000.00	6,000.00	25,000.00
				71600	Travel	-	-	2,000.00	2,000.00	2,000.00	6,000.00
				72100	Contractual Services-Companies	-	-	-	12,000.00	-	12,000.00
				74200	Audio Visual Production Costs	-	2,000.00	2,000.00	3,000.00	2,000.00	9,000.00
				75700	Training, Workshops and Conferences	-	-	2,000.00	3,000.00	3,000.00	8,000.00
					Total Outcome 1	-	5,000.00	16,000.00	26,000.00	13,000.00	60,000.00
OUTCOME 2: National GHG inventory updated and capacity to collect the activity data on a continuous basis strengthened	MNP	62000	GEF	71300	Local Consultants	3,000.00	17,500.00	23,000.00	15,000.00	5,000.00	63,500.00
				71400	Contractual Services-Individuals	4,500.00	14,000.00	14,000.00	14,000.00	9,000.00	55,500.00
				71600	Travel	-	2,000.00	4,000.00	2,000.00	2,000.00	10,000.00
				72100	Contractual Services-Companies	-	15,000.00	-	15,000.00	-	30,000.00
				72500	Supplies	-	500.00	500.00	500.00	500.00	2,000.00

				73400	Rental & Maintenance of Other Equipment	-	1,500.00	1,700.00	1,500.00	1,500.00		6,200.00
				74200	Audio Visual Production Costs	-	1,000.00	2,000.00	3,000.00	-		6,000.00
				74500	Miscellaneous Expenses	-	500.00	500.00	500.00	300.00		1,800.00
				75700	Training, Workshops and Conferences	-	4,000.00	1,000.00	4,000.00	3,000.00		12,000.00
					Total Outcome 2		7,500.00	56,000.00	46,700.00	55,500.00	21,300.00	187,000.00
OUTCOME 3: Report on policies and measures to mitigate the climate change prepared and capacity to collect and analyze this information on a continuous basis for the future biennial update reports and national communications strengthened	MNP	62000	GEF	71200	International Consultants	-	-	20,000.00	-	-		20,000.00
				71300	Local Consultants	3,000.00	16,000.00	20,000.00	21,000.00	6,000.00		66,000.00
				71400	Contractual Services-Individuals	4,700.00	14,000.00	14,000.00	14,000.00	9,500.00		56,200.00
				71600	Travel	-	-	5,000.00	-	-		5,000.00
				72100	Contractual Services-Companies	-	-	10,000.00	10,000.00	-		20,000.00
				72300	Materials and Goods	-	2,500.00	2,500.00	2,500.00	2,000.00		9,500.00
				72400	Communication & Audio Visual Equipment	-	-	-	5,000.00	5,000.00		10,000.00
				72500	Supplies	500.00	500.00	500.00	500.00	500.00		2,500.00
				73400	Rental & Maintenance of Other Equipment	-	1,500.00	1,500.00	1,500.00	1,500.00		6,000.00
				74500	Miscellaneous Expenses	-	500.00	500.00	500.00	300.00		1,800.00
				75700	Training, Workshops and Conferences	-	2,000.00	2,000.00	2,000.00	2,000.00		8,000.00
									Total Outcome 3	8,200.00	37,000.00	76,000.00
OUTCOME 4: Climate change vulnerability assessment for priority sectors developed (with regional and local focus as applicable) and plans and programmes proposing measures to facilitate adaptation prepared)	MNP	62000	GEF	71200	International Consultants	-	-	18,000.00	3,000.00	-		26,000.00
				71300	Local Consultants	-	11,000.00	25,000.00	21,000.00	6,000.00		63,000.00
				71400	Contractual Services-Individuals	-	9,400.00	9,400.00	9,400.00	6,500.00		34,700.00
				71600	Travel	-	2,500.00	3,000.00	5,000.00	2,500.00		13,000.00
				72100	Contractual Services-Companies	-	-	18,000.00	18,000.00	-		36,000.00

				72400	Communication & Audio Visual Equipment	-	4,500.00	4,500.00	4,500.00	4,000.00	17,500.00
				75700	Training, Workshops and Conferences	-	-	3,000.00	2,800.00	2,000.00	7,800.00
					Total Outcome 4	-	27,400.00	80,900.00	68,700.00	21,000.00	198,000.00
OUTCOME 5: Establishment of domestic Measurement, Reporting and Verification system accelerated	MNP	62000	GEF	71300	Local Consultants	-	7,000.00	3,000.00	3,000.00		13,000.00
				72400	Communication & Audio Visual Equipment	2,000.00	2,000.00	5,000.00	1,000.00	-	10,000.00
				72800	Information Technology Equipment	-	4,000.00	4,500.00	4,500.00	5,000.00	18,000.00
				74200	Audio Visual Production Costs	-	2,000.00	2,000.00	2,000.00	3,000.00	9,000.00
					Total Outcome 5	2,000.00	15,000.00	14,500.00	10,500.00	8,000.00	50,000.00
OUTCOME 6: Second Biennial Update Report and Fourth National Communication consolidated and submitted; Appropriate framework in place for Project M&E, financial audit conducted and lessons learned compiled	MNP	62000	GEF	71300	Local Consultants	3,000.00	3,000.00	-	3,500.00	5,000.00	14,500.00
				71600	Travel	-	-	3,000.00	-	5,000.00	8,000.00
				72500	Supplies	500.00	500.00	500.00	500.00	500.00	2,500.00
				74100	Professional Services	-	2,500.00	2,500.00	2,500.00	2,500.00	10,000.00
				74200	Audio Visual Production Costs	3,000.00	3,000.00	5,000.00	5,000.00	8,000.00	24,000.00
				74500	Miscellaneous Expenses	500.00	500.00	500.00	500.00	500.00	2,500.00
				75700	Training, Workshops and Conferences	1,500.00	2,000.00	2,000.00	3,000.00	5,000.00	13,500.00
					Total Outcome 6	8,500.00	11,500.00	13,500.00	15,000.00	26,500.00	75,000.00
Project management	MNP	62000	GEF	71400	Contractual Services-Individuals	4,000.00	19,000.00	19,000.00	19,000.00	11,000.00	72,000.00
				74599	Miscellaneous Expenses (DPC)	300.00	1,500.00	1,800.00	1,000.00	400.00	5,000.00
					Total Management	4,300.00	20,500.00	20,800.00	20,000.00	11,400.00	77,000.00
PROJECT TOTAL						30,500.00	172,400.00	268,400.00	252,700.00	128,000.00	852,000.00

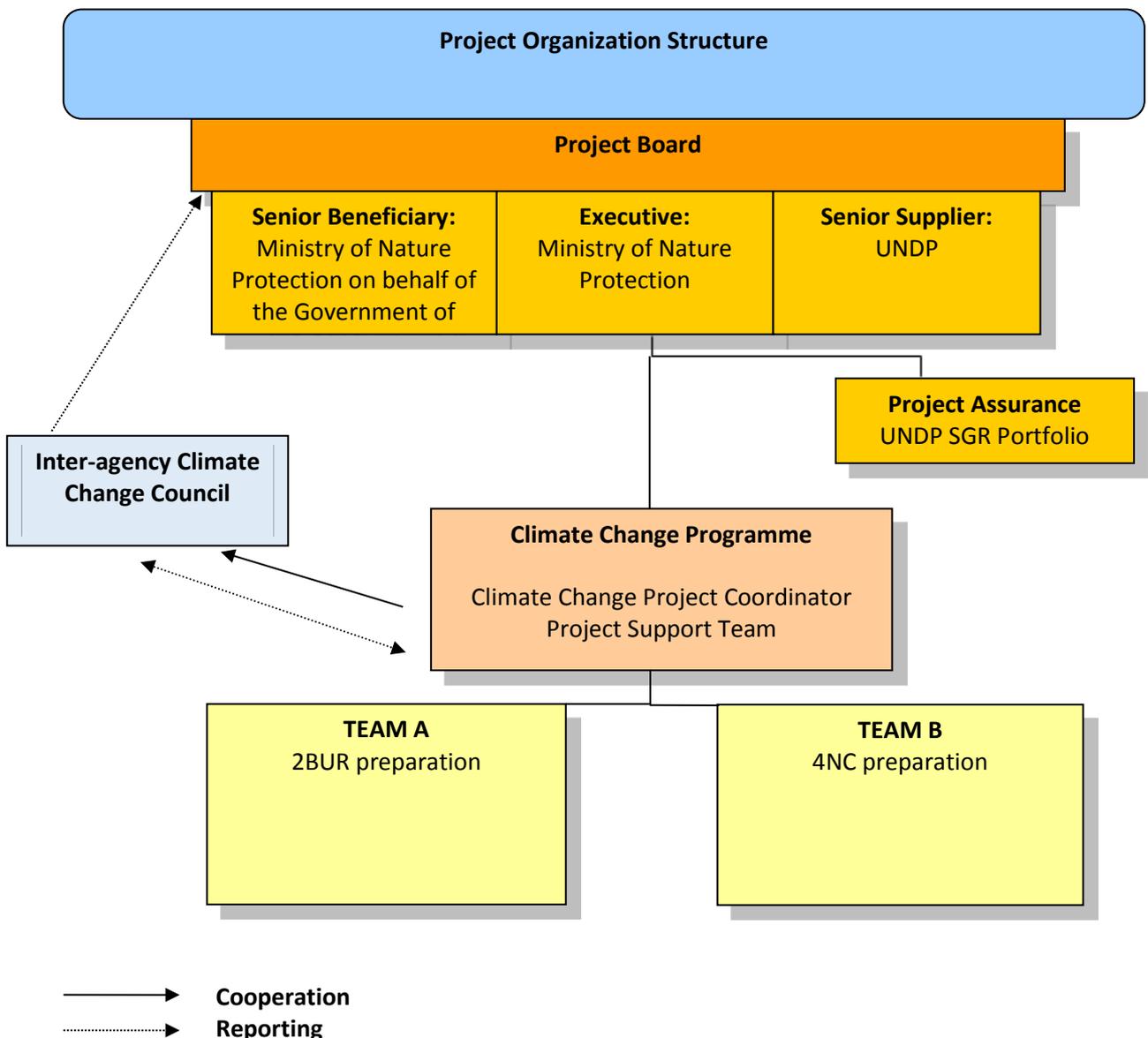
VI. MANAGEMENT ARRANGEMENTS

Roles and responsibilities of the project’s governance mechanism: the project will be implemented following UNDP’s national implementation modality (NIM), according to the Standard Basic Assistance Agreement between UNDP and the Government of Armenia, and in compliance with the UNDP Country Programme. The Ministry of Nature Protection of RA will act as Project Implementing Partner and the First Deputy Minister of Nature Protection in charge of coordination of the Environmental Protection Policy Department will act as a Project National Director. The Climate Change Inter-Agency Council chaired by the Minister of Nature Protection will act as Project Steering Committee (PSC). The UNFCCC National Focal Point, will provide strategic guidance and support on behalf of the Ministry of Nature Protection and ensure relevance and contribution of the project to the national capacity building work and implementation of national commitments under UNFCCC.

The **Implementing Partner** for this project is the Ministry of Nature Protection of RA. The Implementing Partner is responsible and accountable for managing this project, including the monitoring and evaluation of project interventions, achieving project outcomes, and for the effective use of UNDP resources.

The project organization structure is as follows:

Figure 1. Project Organization Structure



The **Project Board** is responsible for making by consensus, management decisions when guidance is required by the Project Coordinator, including recommendation for UNDP/Implementing Partner approval of project plans and revisions. In order to ensure UNDP's ultimate accountability, Project Board decisions should be made in accordance with standards that shall ensure management for development results, best value money, fairness, integrity, transparency and effective international competition. In case a consensus cannot be reached within the Board, final decision shall rest with the UNDP Portfolio Analyst. The Climate Change Inter-Agency Coordinating Council will act as a Project Steering Committee. The Council composition is attached as Annex E.

The **Project Coordinator** will run the project on a day-to-day basis on behalf of the Implementing Partner within the constraints laid down by the Board. The Project Coordinator is assigned to coordinate implementation of both 2BUR and 4NC activities and serve as a content wise expert for the climate change related activities. The Project Coordinator function will end when the final project report and corresponding management response, and other documentation required by the GEF and UNDP, has been completed and submitted to UNDP (including operational closure of the project).

The project assurance role will be provided by the UNDP Country Office specifically Armen Martirosyan, UNDP Sustainable Growth and Resilience Portfolio Manager. Additional quality assurance will be provided by the UNDP Regional Technical Advisor as needed.

Governance role for project target groups: The Project main partners/beneficiaries, as well as target group representatives are involved in the Climate Change Inter-Agency Council and Working group composition. The RA Ministry of Nature Protection provides the space for the project implementation as a part of its in-kind contribution.

UNDP Direct Project Services as requested by Government are provided in the Annex F.

Agreement on intellectual property rights and use of logo on the project's deliverables and disclosure of information: In order to accord proper acknowledgement to the GEF for providing grant funding, the GEF logo will appear together with the UNDP logo on all promotional materials, other written materials such as publications developed by the project, and project hardware. Any citation on publications regarding projects funded by the GEF will also accord proper acknowledgement to the GEF. Information will be disclosed in accordance with relevant policies notably the UNDP Disclosure Policy² and the GEF policy on public involvement³.

Project management:

In order to ensure sustainability and linkage with climate change enabling activities already implemented in the country, the day-to-day implementation of the project will be carried out through UNDP Climate Change Program Unit established in the frames of Armenia's 1NC and strengthened in the course of various climate change projects. The Unit is coordinated by and located in the MNP. The unit is responsible for implementation of UNDP-GEF mitigation, and enabling projects, ensuring synergy and cost efficiency of activities under implementation.

The Government will provide in-kind support to the project through provision of office space, means of communication and other utilities, premises for meetings, means of communication and other utilities, as well as information and time of civil servants and governmental officials involved in IACCC and Working Group under IACC as part of the government contribution.

The Project Team will consist of Climate Change Program Coordinator, Climate Change Program Associate, Team leaders for 2BUR and 4NC preparation, Project Expert Team Assistant, IT specialist, as well as Project experts.

The UNDP Country Office in Armenia will act as a GEF Implementing Agency for the project and will play a key role in interaction with the participants from the state, private and civil sector and will render the following services to support the project in accordance with the established policies and procedures: (i)

² See http://www.undp.org/content/undp/en/home/operations/transparency/information_disclosurepolicy/

³ See https://www.thegef.org/gef/policies_guidelines

Identification and recruitment of the project personnel; (ii) Procurement of equipment, labor and services; (iii) Identification and facilitation of training activities, seminars and workshops; (iv) Financial monitoring, reporting and audit; (v) Processing of direct payments; (vi) Supervision of project implementation, monitoring and assistance in project assessment. Partnership with other UNDP projects and programs, as well as with other donors and national institutions in advocacy of incorporation of climate change issues into development agendas has been a good practice already in use and will continue. Working in synergy with other GEF climate change or non-climate change projects has been and will be an efficient way of getting efficient results.

Technical support provided by the GSP through international consultant review of Armenia's GHG Inventory Report in the course of the 1BUR preparation project was vital in identification of gaps and mistakes, which was addressed by national experts in the final report. The continuation of the established practice will be beneficial for the project.

VII. MONITORING AND EVALUATION PLAN

The project results as outlined in the project results framework will be monitored annually and evaluated periodically during project implementation to ensure the project effectively achieves these results.

Project-level monitoring and evaluation will be undertaken in compliance with UNDP requirements as outlined in the UNDP POPP and UNDP Evaluation Policy. While these UNDP requirements are not outlined in this project document, the UNDP Country Office will work with the relevant project stakeholders to ensure UNDP M&E requirements are met in a timely fashion and to high quality standards. Additional mandatory GEF-specific M&E requirements (as outlined below) will be undertaken in accordance with the GEF M&E policy and other relevant GEF policies.

In addition to these mandatory UNDP and GEF M&E requirements, other M&E activities deemed necessary to support project-level adaptive management to be agreed during the Project Inception Workshop and detailed in the Inception Report. This will include the exact role of project target groups and other stakeholders in project M&E activities including the GEF Operational Focal Point and national/regional institutes assigned to undertake project monitoring. The GEF Operational Focal Point will strive to ensure consistency in the approach taken to the GEF-specific M&E requirements across all GEF-financed projects in the country.

M&E Oversight and monitoring responsibilities:

Project Coordinator: The Project Coordinator is responsible for day-to-day project management and regular monitoring of project results and risks, including social and environmental risks. The Project Coordinator will ensure that all project staff maintain a high level of transparency, responsibility and accountability in M&E and reporting of project results. The Project Coordinator will inform the Project Board, the UNDP Country Office and the UNDP-GEF RTA of any delays or difficulties as they arise during implementation so that appropriate support and corrective measures can be adopted.

The Project Coordinator will develop annual work plans based on the multi-year work plan included in Annex A, including annual output targets to support the efficient implementation of the project. The Project Coordinator will ensure that the standard UNDP and GEF M&E requirements are fulfilled to the highest quality. This includes, but is not limited to, ensuring the results framework indicators are monitored annually in time for evidence-based reporting in the GEF PIR, and that the monitoring of risks and the various plans/strategies developed to support project implementation (e.g. gender strategy, KM strategy etc..) occur on a regular basis.

Project Board: The Project Board will take corrective action as needed to ensure the project achieves the desired results. The Project Board will hold project reviews to assess the performance of the project and appraise the Annual Work Plan for the following year. In the project's final year, the Project Board will hold an end-of-project review to capture lessons learned and discuss opportunities for scaling up and to highlight project results and lessons learned with relevant audiences. This final review meeting will also discuss the findings outlined in the project terminal evaluation report and the management response.

Project Implementing Partner: The Implementing Partner is responsible for providing required information and data necessary for timely, comprehensive and evidence-based project reporting, including results and financial data, as necessary and appropriate. The Implementing Partner will strive to ensure project-level M&E is undertaken by national institutes, and is aligned with national systems so that the data used by and generated by the project supports national systems.

UNDP Country Office: The UNDP Country Office will support the Project Coordinator as needed, including through annual supervision missions. The annual supervision missions will take place according to the schedule outlined in the annual work plan. Supervision mission reports will be circulated to the project team and Project Board within one month of the mission. The UNDP Country Office will initiate and organize key GEF M&E activities. The UNDP Country Office will also ensure that the standard UNDP and GEF M&E requirements are fulfilled to the highest quality.

The UNDP Country Office is responsible for complying with all UNDP project-level M&E requirements as outlined in the UNDP POPP. This includes ensuring the UNDP Quality Assurance Assessment during implementation is undertaken annually; that annual targets at the output level are developed, and monitored and reported using UNDP corporate systems; the regular updating of the ATLAS risk log; and, the updating of the UNDP gender marker on an annual basis based on gender mainstreaming progress reported in the UNDP ROAR. Any quality concerns flagged during these M&E activities must be addressed by the UNDP Country Office and the Project Coordinator.

The UNDP Country Office will retain all M&E records for this project for up to seven years after project financial closure in order to support ex-post evaluations undertaken by the UNDP Independent Evaluation Office (IEO) and/or the GEF Independent Evaluation Office (IEO).

UNDP-GEF Unit: Additional M&E and implementation quality assurance and troubleshooting support will be provided by the UNDP-GEF Regional Technical Advisor and the UNDP-GEF Directorate as needed.

Audit: The project will be audited according to UNDP Financial Regulations and Rules and applicable audit policies on NIM implemented projects.

Additional GEF monitoring and reporting requirements:

Inception Workshop and Report: A project inception workshop will be held within two months after the project document has been signed by all relevant parties to, amongst others:

- a) Re-orient project stakeholders to the project strategy and discuss any changes in the overall context that influence project strategy and implementation;
- b) Discuss the roles and responsibilities of the project team, including reporting and communication lines and conflict resolution mechanisms;
- c) Review the results framework and finalize the indicators, means of verification and monitoring plan;
- d) Discuss reporting, monitoring and evaluation roles and responsibilities and finalize the M&E budget; identify national/regional institutes to be involved in project-level M&E; discuss the role of the GEF OFP in M&E;
- e) Update and review responsibilities for monitoring the various project plans and strategies, including the risk log; Environmental and Social Management Plan and other safeguard requirements; the gender strategy; the knowledge management strategy, and other relevant strategies;
- f) Review financial reporting procedures and mandatory requirements, and agree on the arrangements for the audit; and
- g) Plan and schedule Project Board meetings and finalize the first year annual work plan.

The Project Coordinator will prepare the inception report no later than one month after the inception workshop. The inception report will be cleared by the UNDP Country Office and the UNDP-GEF Regional Technical Adviser, and will be approved by the Project Board.

Bi-annual progress:

Status Survey Questionnaires to indicate progress and identify bottlenecks as well as technical support needs will be carried out twice a year, in line with GEF and UNFCCC reporting requirements for NCs and BURs.

Lessons learned and knowledge generation: Results from the project will be disseminated within and beyond the project intervention area through existing information sharing networks and forums. The project will identify and participate, as relevant and appropriate, in scientific, policy-based and/or any other networks, which may be of benefit to the project. The project will identify, analyse and share lessons learned that might be beneficial to the design and implementation of similar projects and disseminate these lessons widely. There will be continuous information exchange between this project and other projects of similar focus in the same country, region and globally.

End of Project:

During the last three months, the project team will prepare the Project Final Report (Annex G). This comprehensive report will summarize the results achieved (objectives, outcomes, outputs), lessons learned, problems met and areas where results may not have been achieved. It will also lay out recommendations for any further steps that may need to be taken to ensure sustainability and replicability of the project's results.

M&E work plan and budget

Type of M&E activity	Responsible Parties	Budget US\$ Excluding project team staff time	Time frame
Inception Workshop and Report	<ul style="list-style-type: none"> ▪ Project Coordinator ▪ UNDP CO, UNDP GEF 	Indicative cost: 10,000	Within first two months of project start up
Measurement of Means of Verification of project results.	<ul style="list-style-type: none"> ▪ UNDP GEF RTA/Project Coordinator will oversee the hiring of specific studies and institutions, and delegate responsibilities to relevant team members. 	To be finalized in Inception Phase and Workshop.	Start, mid and end of project (during evaluation cycle) and annually when required.
Measurement of Means of Verification for Project Progress on output and implementation	<ul style="list-style-type: none"> ▪ Oversight by Project Coordinator ▪ Project team 	To be determined as part of the Annual Work Plan's preparation.	Annually prior to ARR and to the definition of annual work plans
ARR	<ul style="list-style-type: none"> ▪ Project Coordinator and team ▪ UNDP CO ▪ UNDP RTA 	None	Not applicable
Periodic status/ progress reports	<ul style="list-style-type: none"> ▪ Project Coordinator and team 	None	Quarterly
Mid-term Evaluation	<ul style="list-style-type: none"> ▪ Project Coordinator and team ▪ UNDP CO ▪ UNDP RCU ▪ External Consultants (i.e. evaluation team) 	None	Not applicable for EA projects
Final Evaluation	<ul style="list-style-type: none"> ▪ Project Coordinator and team, ▪ UNDP CO ▪ UNDP RCU ▪ External Consultants (i.e. evaluation team) 	None	Not applicable for EA projects

Project Terminal Report	<ul style="list-style-type: none"> ▪ Project Coordinator and team ▪ UNDP CO ▪ Local consultant 	0	At least three months before the end of the project
Audit	<ul style="list-style-type: none"> ▪ UNDP CO ▪ Project Coordinator and team 	Indicative cost per year: 2,500	Annually or other frequency as per UNDP Audit policies
Visits to field sites	<ul style="list-style-type: none"> ▪ UNDP CO ▪ UNDP RCU (as appropriate) ▪ Government representatives 	For GEF supported projects, paid from IA fees and operational budget	Yearly
TOTAL indicative COST Excluding project team staff time and UNDP staff and travel expenses		US\$ 20,000 (+/- 2.5% of total budget)	

Table 3. Schedule of Project Review Meetings

Year: October 2016 - 2017

Activities	Inputs	Outputs	Stakeholders	2016			2017												Remarks	
				10	11	12	1	2	3	4	5	6	7	8	9	10	11	12		
Project Steering Committee meeting	<ul style="list-style-type: none"> Proposed AWP Proposed IR 	<ul style="list-style-type: none"> Approved AWP Approved IR 	<ul style="list-style-type: none"> NPD NPC PSC 	X	X															As per the ToR of the PSC described in the Prodoc
Quarterly Reporting/Meeting	<ul style="list-style-type: none"> Risk Log Issues Log AWP QWP-1 	<ul style="list-style-type: none"> Updated Risk Log Updated Issues Log Lessons Learned Log Activity Quality Log QPR-1 QWP-2 Budget Revision CDR 	<ul style="list-style-type: none"> NPD UNDP 			X			X			X			X				X	This has been prepared following the recently introduced UNDP User Guide
Annual Project Review meeting	<ul style="list-style-type: none"> Proposed APR Draft technical reports 	<ul style="list-style-type: none"> Approved APR Approved technical reports 	<ul style="list-style-type: none"> MNP Project implementation team UNDP 																X	As per Section 6 "Monitoring and Evaluation Plan" of the Prodoc
Annual financial audit*		<ul style="list-style-type: none"> Audit report 	<ul style="list-style-type: none"> Selected auditor 																	The audit will be arranged by UNDP CO according to the established rules

Note: * The project audit dates will be decided in the first months of the consequent year

VIII. LEGAL CONTEXT

This Project Document shall be the instrument referred to as such in Article I of the Standard Basic Assistance Agreement (SBAA) between the Government of Armenia and the United Nations Development Programme (UNDP), signed by the parties on 8 March, 1995. The host country-implementing agency shall, for the purpose of the Standard Basic Assistance Agreement, refer to the government co-operating agency described in that Agreement.

Consistent with the Article III of the SBAA, the responsibility for the safety and security of the executing agency and its personnel and property, and of UNDP's property in the executing agency's custody, rests with the executing agency.

The executing agency shall:

- put in place an appropriate security plan and maintain the security plan, taking into account the security situation in the country where the project is being carried;
- assume all risks and liabilities related to the executing agency's security, and the full implementation of the security plan.

UNDP reserves the right to verify whether such a plan is in place, and to suggest modifications to the plan when necessary. Failure to maintain and implement an appropriate security plan as required hereunder shall be deemed a breach of this agreement.

The executing partner agrees to undertake all reasonable efforts to ensure that none of the UNDP funds received pursuant to the Project Document are used to provide support to individuals or entities associated with terrorism and that the recipients of any amounts provided by UNDP hereunder do not appear on the list maintained by the Security Council Committee established pursuant to resolution 1267 (1999). The list can be accessed via <http://www.un.org/Docs/sc/committees/1267/1267ListEng.htm>.

This provision must be included in all sub-contracts or sub-agreements entered into under this Project Document.

IX. PROJECT IMPACT

The Paris Agreement, adopted at the COP 21, calls for an enhanced transparency framework requiring all countries to work toward the same standards of transparency and accountability. The new framework will build on parties' experiences with the existing system. The existing transparency arrangements under the Convention include national communications and biennial update reports from developing country Parties, international assessment and review and international consultation and analysis. Such reports providing updates on actions undertaken by a Party to implement the Convention along with International Consulting and Analysis process will contribute to further increase in the transparency of information on actions and support under the Convention and will lay a solid foundation for the operationalization of the enhanced transparency of action and support under Paris Agreement.

The project will contribute to global efforts of mitigating climate change in accordance with the principles and provisions of the Convention and will assist the country to mainstream climate change into national sustainable development process including mainstreaming and integration of mitigation and adaptation consideration into national and sectoral development policies while increasing the transparency thereof.

In light of enhanced reporting requirements, both in frequency and in the quality of the contents the project will assist in identifying and establishing the most suitable national institutional arrangements to meet the enhanced reporting requirements for the national communications and BURs, in terms of the

quality of the content and the frequency of submission. To this end a specific emphasis will be put on strengthening the cross-sector collaboration and consultations with the key stakeholders for identification of the most suitable institutional arrangements allowing maintaining them in a robust manner and ensuring their functioning on a continuous basis.

The entire process of implementation of the UNFCCC and the Kyoto Protocol principles will be maintained considering the new developments under the UNFCCC as well. In this context the following indicators will be taken into account for the assessment of the project impact: sustainability and continuity of national GHG inventory; monitoring of climate change and its impact; consistency of adaptation and mitigation measures with the national and regional priorities and programmes; inclusion of climate change issues into educational curricula; responding to the country's needs in technology transfer including strengthening countries capacity to participate in the cooperation opportunities under the Convention and the Kyoto Protocol; awareness raising among decision makers; regularly updating the Climate Change bilingual website; keeping and updating the roster of national experts and partner organizations including those in the regions, establishing and implementing training programmes.

X. PROGRESS TO DATE

The project detailed work plan for 2017 is developed and approved during the project Steering Committee extended meeting.

The activities of the project started in October 2016 due to the changes in the Government and need to have approved AWP and IACCC (which serves as project Steering Committee). During October 2016-January 2017 main activities undertaken are: i) related to project planning and management with the aim at ensuring development of the detailed project multi-year budget, signing the AWP, receiving authorization for Project Coordinator to manage the project budget. This work benefited from the Programmatic approach adopted and smooth transition of the assets generated in the course of FBUR project to the current project and assistance of the Programme Associate, support staff and office facilities of the UNDP-MNP Climate Change Unit; ii) recruitment of the 2BUR team leader-Senior Expert, and key expert team TOR development to be charged with responsibility to start data collection and analytical work on GHG Inventory and mitigation measures; updating the list of representatives from stakeholder ministries and agencies, contacts of the national experts; iii) organization of the Project Inception workshop.

The project supported and presented key directions related to adaptation challenges during the national workshop on the way to Marrakech "Towards Marrakesh: Armenia at the door of the 22nd Conference of the Parties to the United Nations Framework Convention on Climate Change". The objectives of the 2BUR and GHG Inventory as transparency issue on mitigation progress tracking was presented during the workshop (December 7-8) organised by R2E2 fund and German Konrad Adenauer Stiftung. The project objectives and planned activities was presented during the workshop organized by the Ministry of Nature Protection for tracking progress on implementation of the commitments under UN environmental conventions. The recommendations was drafted on the action plan for implementation of the UNFCCC from 2016-2020 period, which was later adopted by the Governmental protocol decision 49, from 08 December, 2016.

The project organizational work includes the consultations done by the project coordinator and project assistant in updating the contact representatives from key ministries have been briefed on current developments under the Convention and have been requested to identify priority areas and deliver short presentations at the Workshop on the developments in respective sectors in relation to the climate change. A project inception workshop was held on 28 of October 2016 with 55 participants from concerned ministries and institutions. The List of IACCC (Project Steering Committee) Members is based on the provided nominations and was approved by the Chair- Minister of Nature Protection, see Table 4.

Table 4. List of Inter-agency Council on Climate Change

#	Name	Organization/Title
1.	Artsvik Minasyan	Chair of Council Minister of Nature Protection
2.	Simon Papyan	Deputy Chair of the Council, Ministry of Nature Protection, First Deputy Minister of Nature Protection
3.	Varduhi Asaturyan	Ministry of Foreign Affairs, Head of UN Division
4.	Hayk Harutyunyan	Minister of Energy Infrastructures and Natural Resources, Deputy Minister
5.	Sergey Khachatryan	Ministry of Healthcare, Deputy Minister
6.	Vigen Kocharyan	Ministry of Justice, Deputy Minister
7.	Shamam Harutyunyan	Ministry of Labor and Social Affairs, Deputy Minister
8.	Gagik Grigoryan	Ministry of Transport, Communication and Information Technologies, Head of Staff
9.	Armen Harutyunyan	Ministry of Agriculture, Deputy Minister
10.	Armen Ghularyan	State Urban Development Committee, Deputy Minister
11.	Yurik Poghosyan	National Statistical Service, Member of the State Statistical Council
12.	Mushegh Koshetsyan	Public Services Regulatory Commission, Commissioner
13.	Ashot Giloyan	Ministry of Territorial Administration, Head of Local Self-administration Department
14.	Artak Baghdasaryan	Ministry of Economic Development and Investments, Head of Economic Development Policy Department
15.	Vardan Sahakyan	Ministry of Education and Science, Deputy Chairman of State Committee of Science
16.	Hrayr Yesayan	Ministry of Finance, Deputy Head of Division of Financing Planning of Current Budget Expenditures on Agriculture, Food Safety, Nature Protection and Water Economy Sectors
17.	Levon Vardanyan	Ministry of Emergency Situations, Director of “ArmStateHydromet” SNCO
18.	Larisa Manukayan	State Committee of the Real Estate Cadastre, Head of Geodesy and Cartography Department
19.	Karen Gyurjyan	General Department of Civil Aviation, Deputy Head of Department
20.	Aram Gabrielyan	UNFCCC National Focal Point, Secretary of the Council

Activities related to establishment of technical working groups on GHG inventory, GHG mitigation, vulnerability and adaptation, and other issues (technology transfer; research and systematic observation; capacity building; education, training & public awareness) are underway. In consultation with the UNFCCC Focal point were identified national experts to benefit from the Hands-on Training Workshop on Greenhouse Gas Inventory for the Asian Region Organized by the Consultative Group of Experts (CGE) on National Communications from Parties not included in Annex I to the Convention.

A summary of the progress against the Annual Workplan is shown in Table 5.

Table 5. Project Progress/Status as of the End of January 2017

Expected Outputs	Planned Activities	Progress/Status
Implementation arrangements and Project Inception	0.1. Contract the project office staff	Completed
	0.2. Establish technical teams	Partially completed
	0.3. Update the composition of the PSC	Completed
	0.4. Organize project inception workshop (including inception report preparation and distribution)	Workshop conducted on 28 October, 2016. Report has been drafted
	0.5. Organize scoping meeting	On-going
	0.6. Maintain and upgrade the electronic network among experts/institutions	Partially completed

XI. PROJECT INCEPTION WORKSHOP

The Climate Change Programme Unit with the support of the Ministry of Nature Protection and United Nations Development Program organized an Inception Workshop for the project on 28 October 2016 at the UN Conference Hall, Yerevan, Armenia. Fifty five participants from relevant Government agencies, academic and research institutions, international and non-governmental organizations and the private sector attended the workshop, including 15 members of Inter-agency Council on Climate Change attended the Workshop.

Minutes of the Meeting

The extended meeting of the Inter-agency Council on Climate Change

(Serving as Project Steering Committee)

- OBJECTIVE:**
1. To present Project objectives and expected results/outputs
 2. To discuss and approve the Project Work Plan
 3. To discuss specific interrelated issues with regard to sector-specific and climate change sensitive challenges

The documents distributed among the participants include:

1. Meeting Agenda (attached),
2. Project document and presentation handouts,
3. Draft 2017 Work Plan

Mr. A. Minasyan, Minister of Nature Protection of RA, Chairman of the Inter-agency Council, made an opening speech and indicated the importance of the National Communication preparation process in the national development context and in the lights of assessing the risks and opportunities for addressing the challenges of climate change risks, as well as the necessity of further realization of the result of the National Communication. He also highlighted that the climate change challenges need global cooperation as well as consolidation of international efforts and targeted funding for addressing these challenges. He also asked the UN representatives to raise as much as possible fund for addressing the climate change risks.

Mrs. K. Medina greeted the national partners and noted that addressing climate change challenges becomes particularly crucial after adoption of the Paris Agreement. She emphasized that implementation of the Project introduces a new phase for communications/reports in terms of climate change where the National Communication and Biennial Update Report are combined. She highlighted that the Communication includes not only the actions implemented in terms of the climate change but also the existing needs and shortcomings. Mrs. K. Medina also indicated that the National Adaptation Plan will be developed under the Project as set forth in the Paris Agreement. She encouraged the participants to actively participate in the discussions of the workshop and assured that all recommendations made will be duly considered during the implementation phase of the Project.

Mr. A. Gabrielyan, UNFCCC national focal point, made a presentation on UN FCCC recent development and on the results of Paris 21st Conference of the Parties to the Convention on Climate Change and particularly on the Paris Agreement under which all Parties take quantitative commitments for emissions reduction. Mr. A. Gabrielyan also indicated that ratification of the Paris Agreement is very important for Armenia since it assumes financial mechanism for developing National Adaptation Plans. He also informed about the new reporting requirements for the Non-Annex 1 Countries. :

Mrs. Diana Harutyunyan, UNDP Climate Change Programme coordinator, presented the key components of the Project as well as the details of the Project preparation phase, its legal context, and the identified gaps that will be address during the Project implementation phase. She also presented the Project Work Plan and respective measures to be taken.

Mrs. A.Simonyan highlighted the importance of energy efficiency/conservation and emphasized the importance of activities to be implemented with the producers and other members of business community.

Mr. V.Atayan took the floor and made a presentation on the problems of climate change in energy sector. He spoke about the changes in Law on Energy Efficiency and Renewable Energy concerning energy sector as well as informed about agreement between the Ministry of Energy Infrastructures and Natural Resources and National Statistical Service of Ra signed in 2015 which assumes provision of information for making national energy balances on regular base. He also indicated that the adopted policy boosts solar energy generation and added that the Renewable Energy Investment Plan of RA is approved under SREP Project as a Fundamental Document with total funding of USD 40 million. He also indicated that the Government of Armenia is currently considering the Second 2016-2018 Phase of National Energy Efficiency Action Plan as well as the draft document on approval of the Technical Regulations for Improving Energy Efficiency in Buildings.

In his report *Mr. H.Melkonyan* presented the network for hydro-metereological and hydrological observations, the current and future temperature changes, as well as emphasized the importance of scientific and educational, and publication works. He also spoke on the barriers existing in the sector.

Mr. Y.Poghosyan made a speech and noted the need for more focus on establishment of registers and data bases. He also added that there are some community-level trends and achievements with that regard. Mr. Poghosyan highlighted the need for establishing unified date bases in for data base management and added that Armenia's accountability is rated to be in the top three for the last 2 years yet it fails in terms of timely provision of GHG emissions inventory data since the inventory is developed for the previous 4-year period while the experts assessments cannot be provided and taken into account. He noted that an environmental information system was established, and expressed hope that they will be able to finalize the Eco Portal as well. He highlighted that the National Sustainable Development indicators are in the development phase which include quite many of climate change related indicators. Ha added that it is hard to specifically identify sectors impacted by climate change since there is no sector that is not prone to climate change impact. Mr. Poghosyan also indicated the importance for establishing data bases on "Loss and Damage" indicators and noted that the establishment of comprehensive sectoral information accounts is in progress under EU TWINING 2 Programme.

In his report *Mr. V.Narimanyan* noted that part of country's water basin management plans has been already developed and added that implementation of these plans is crucial. He also noted that climate change issues are presented in the action programmes of these plans in a descriptive format. He briefly presented information that State Water Committee is implementing 80% of works in water use, irrigation, water reservoir construction, land reclamation, drinking water supply, etc. He noted that currently there is a plan to have one centralized drinking water utility management contractor which will enable to have one unified policy for that sector. He also added that the Water Management Agency is servicing 110,000 ha of irrigated lands, 37 water user associations, the main canals with total length of 450 km. He highlighted the importance of "Land-Water User-Crop" chain since the right crop shall be selected for the right soil. The speaker noted soil-erosion related problems currently existing are caused by incorrect organization of the irrigation process which, in its turn, is caused by cultivation of not appropriate crops for the certain types of soil. He also emphasized the importance for installing new water pumping stations as not in all instances

shift to the gravity irrigation is justified. Mr. Narimanyan noted that water reservoir construction is important adaptation measure in the context of climate change, thus there are on-going initiatives to build Yeghvard, Vedi, Kapsi, and Mastara reservoirs. Since 2010 AMD 11.8 billion worth works have been implemented on Arpa-Sevan water tunnel, which will allow to transfer more water to Lake Sevan. He noted that there are 1600 m long drainage systems in operation in the Ararat Valley and the proper maintenance is important for epidemics of cholera and malaria.

Mr. S.Sahakyan made a report and presented the climate change related challenges in agriculture sector. He specifically pointed out that as a result of inefficient use of land resources 80% of total lands have various levels of degradation. He also noted that climate change may result in shift of agro-climatic zones, change in crop production practices, degradation of agricultural lands and productivity decline, increase in soils which needs irrigation, shortage of water, degradation of pastures and grasslands, increase salinization and mudflow risks. He pointed out that crop losses are mainly due to frost and hailstorms and showed figures on the caused damage: AMD 25.3 billion in 2013, AMD 11 billion in 2014, AMD 1.42 billion in 2015. He added that a number of measures are being taken for mitigation of losses, including: introduction of agricultural insurance system, installation of anti-hail stations, construction of greenhouses, etc. He also informed that the total area of greenhouses reaches 100 ha. The speaker also indicated that reduction in current losses of water in irrigation system can be achieved by introducing drip irrigation practices. Mr. Sahakyan also spoke about current implementation of various projects in the sector, including: establishment of forests, introduction of xerophilous plants, establishment of fruit orchards, etc. He focused on the importance of the use of modern technologies and noted that the current development of greenhouses generates also increased phyto-mass which should be utilized and turned into compost by using appropriate technologies.

Mrs. H. Galachyan in her report spoke about the challenges in ecosystem preservation in the context of climate change, and use of appropriate the biodiversity indicators for monitoring of the changes in ecosystems. She presented the new developments in the system of specially protected areas of nature (SPAN) in Armenia, and the forest monitoring data in SPANs, and other issues of the sector. She especially focused on the importance of assessing the probable impact of climate change on areas included in “Emerald Network” of Armenia.

Mrs. N. Bakunts spoke about the climate change direct and indirect impact on human health. She highlighted the impact of extreme weather conditions on health making special emphasis on direct impact of hot waves, the problem of food-insufficiency causing malnutrition. The speaker noted that there will be change in disease transmitters, an increase in water-borne diseases burden, higher risk in respiratory system diseases incidence. She also spoke about the importance of implementing measures for climate change mitigation. She highlighted the importance of creating a warning system for extreme weather events both in terms of awareness and in terms of healthcare, the early detection, notification and warning of diseases outbreaks, sharing knowledge on measures in preventive healthcare and public health issues with the general public, importance of development of environment protection services, ensuring the sustainability of health services provision. She also noted the need to optimize the use of energy and water at health institutions. In conclusion of the report she informed that the Ministry of Health has undergone an independent assessment for resilience and response and was granted the status of “sustainable service provider”. She called on the necessity of maintaining that sustainability under climate change conditions.

Mr. Melkonyan asked about the extent of RA Ministry of Health cooperation with the Ministry of Emergency situations in raising public awareness on emergency situations.

Mrs. Bakunts answered that they closely work with the MoES and noted that Rescue Service should also cooperate with Ministry of Health, for example the doctor and the rescue officer shall act jointly when somebody is drowning.

Mrs. D. Harutyunyan indicated that the Sendai Action Plan does not duly reflect sanitary and health protection issues and called on importance to be given to that gap while the document is under discussion and comments.

Mrs. K.Danielyan asked a question on role of the increased hot waves in Yerevan new densely constructed central area, as the North Avenue, she also pronounced concerns about covering the Getar river with concrete layer, cancellation of the drainage systems, and a number of other problems.

Mrs. Bakunts agreed with the concerns, however mentioned that the temperature in the center of a cities is usually higher as the dense construction prevents the air flow: she thereby noted that arrangement of green spaces and construction of artificial ponds will play an essential role in addressing that problem. *Mrs. Bakunts* also added that the Ministry of Health of Armenia in collaboration with the Ministry of Education and Science have revised the text book on “Healthy Lifestyle” for schools.

A discussion was held at the workshop on the necessity and efficiency of anti-hail stations. It was noted that the MoES is currently in charge for the operating these stations and that there is a hail-strike assessment efficiency group established under the Hydromet service of the MoES and the group is studying the best practices and the methodology for improving the efficiency of anti-hail stations in other countries.

The meeting concluded with the resolutions as follows:

- To take into consideration the recommendations made during the workshop and integrate them into the Inception Report and consider them in the project planning system;
- Approve the Project detailed work plan for 2017.

**“Development of Armenia’s Fourth National Communication to the UNFCCC
and Second Biennial Update Report” UNDP-GEF/00096445 Project**

INCEPTION SEMINAR

UN Conference Hall, October 28, 2016

AGENDA

9:30-10:00	Registration
10:00-10:10	Opening Speech <i>Artsvik Minasyan</i> <i>RA Ministry of Nature Protection</i> <i>Claire Medina</i> <i>UNDP Deputy Resident Representative</i>
10:10-10:30	Recent Developments under UNFCCC Negotiation Process, New Requirements for Development of National Communications to the Convention <i>Aram Gabrielyan</i> <i>UNFCCC Focal Point</i>
10:30-11:00	Project Main Components and Workplan <i>Diana Harutyunyan</i> <i>UNDP Climate Change Program Coordinator</i>
11:00-11:20	Coffee Break
11:20- 12:50	<i>Climate Change Mitigation and Adaptation Issues in the Context of the Sustainable Development Priorities of the Republic of Armenia</i> <i>Presentations/discussions of the representatives of stakeholder ministries and agencies</i>
11:20- 11:30	Development of the Energy System and Greenhouse Gas Emissions Mitigation Policy <i>Hayk Badalyan</i> <i>Head, Renewable Energy and Energy Savings Department, RA Ministry of Energy Infrastructure and Natural Resources</i>
11:30-11:40	Improvement of Climate Systematic Observation and Forecast System <i>Hamlet Melkonyan</i> <i>Deputy Head, “Service of the Hydrometeorology and Active Influence on Atmospheric Phenomena” SNCO, RA Ministry of Emergency Situations</i>
11:50-12:00	Coordination issues of the data comparability and information flows while developing national communications and biennial update reports <i>Yura Poghosyan</i> <i>Member, State Council on Statistics, National Statistical Service of RA</i>
12:00-12:10	Water Resources Management Issues in the Context of Climate Change Adaptation <i>Volodya Narimanyan</i> <i>Deputy Chairman, Water State Committee, RA Ministry of Energy Infrastructure and Natural Resources</i>
12:00-12:10	Agriculture Sector Development and Climate Change Risks and Adaptation Issues <i>Samvel Sahakyan</i>

	<i>Meloration division, RA Ministry of Agriculture</i>
12:10-12:20	Ecosystems Conservation Issues Hasmik Ghalachyan <i>Head, Plant Resources Management Division, Bioresources Management Agency, RA Ministry of Nature Protection</i>
12:20-12:30	Health Sector Risks and Adaptation Issues Nune Bakunts <i>Deputy Director, National Center of Disease Control and Prevention, RA Ministry of Health</i>
12:30-13:00	Discussions & Wrap-up Session

List of Participants

#	Name	Organization/Title
Inter-agwncy Council on Climate Change /Project Steering Committee		
1.	Artsvik Minasyan	Minister, Ministry of Nature Protection
2.	Simon Papyan	First Deputy Minister, Ministry of Nature Protection of Armenia
3.	Varduhi Asaturyan	Head of UN Division, Ministry of Foreign Affairs
4.	Sergey Khachatryan	Deputy Minister, Ministry of Healthcare
5.	Shamam Harutyunyan	Deputy Minister, Ministry of Labor and Social Affairs,
6.	Ashot Giloyan	Head of Local Self-administration Department, Ministry of Territorial Administration of Armenia
7.	Daniel Stepanyan	Head of Renewable Energy Division, Development Department, Minsistry of Energy and Natural Resources of Armenia
8.	Artak Baghdasaryan	Head of Economic Development Policy Department, Ministry of Economic Development and Investments,
9.	Gagik Grigoryan	Head of Staff, Ministry of Transport, Communication and Information Technologies
10.	Levon Vardanyan	Director of “ArmStateHydromet” SNCO, Ministry of Emergency Situations of Armenia
11.	Hrayr Yesayan	Deputy Head of Division of Financing Planning of Current Budget Expenditures on Agriculture, Food Safety, Nature Protection and Water Economy Sectors, Ministry of Finance
12.	Larisa Manukayan	Head of Geodesy and Cartography Department, State Committee of the Real Estate Cadastre
13.	Yurik Poghosyan	Member of the State Statistical Council, State Statistical Service
14.	Mushegh Koshetsyan	Member of Commission, Public Services Regulatory Commission
15.	Aram Gabrielyan	National Focal Point, UNFCCC
UNDP Armenia		
16.	Claire Medina	UNDP Deputy Resident Representative in Armenia
17.	Armen Martirosyan	Programme Analyst, Sustainable Growth & Resilience Portfolio at UNDP
18.	Diana Harutyunyan	Climate Change Program Coordinator, UNDP
19.	Aram Ter-Zakaryan	Project Technical Task Leader, Clima East Project
20.	Armen Chilingaryan	Disaster Risk Reduction Programme Coordinator, UNDP
21.	Tatevik Koloyan	Environmental Programme Associate, Sustainable Growth & Resilience Portfolio at UNDP
22.	Tatevik Vahradyan	Expert Team Assistant, UNDP
Stakeholders		
23.	Hayk Badalyan	Head of Renewable Energy and Energy Saving Department, Ministry of Energy Infrastructures and Natural Resources
24.	Nune Sargsyan	Chief Expert, The Urban Development Committee
25.	A. Nikoghosyan	Chief Expert, General Department of Civil Aviation
26.	Asya Muradyan	Head of Division of Climate Change and Air Protection Policy, Ministry of Nature Protection
27.	Ashot Hovhannisyan	Head of Bioresources Management Agency, Ministry of Nature Protection
28.	Hasmik Ghalachyan	Head of Plant Resources Management Division, Ministry of Nature Protection

29.	Hamlet Melkonyan	Deputy Director, Armenian State Hydrometeorological and Monitoring Service State Non-Commercial Organization of Ministry of Emergency Situations
30.	Levon Azizyan	Head of Hydrology Department, Armenian State Hydrometeorological and Monitoring Service State Non-Commercial Organization of Ministry of Emergency Situations
31.	Zarmandukht Petrosyan	Head of Meteorology Department, Armenian State Hydrometeorological and Monitoring Service State Non-Commercial Organization of Ministry of Emergency Situations
32.	Vahagn Atayan	Head of Energy Efficiency and Technical Normative Division of Energy Department of the Ministry of Energy Infrastructures and Natural Resources
33.	Volodya Narimanyan	Deputy Head of Armenia's Water Committee of the Ministry of Energy Infrastructures and Natural Resources
34.	Vahan Sargsyan	Director, Energy Strategy Centre under Ministry of Energy Infrastructures and Natural Resources
35.	Armen Nalbandyan	Chief Specialist, "Hayantar" SNCO under the Ministry of Agriculture
36.	Nune Bakunts	Head of Legal Support and Documentation Circulation Management Division, State Hygiene and Anti-Epidemiological Inspectorate, Ministry of Health of Armenia
37.	Ara Barseghyan	ARNAP Foundation
38.	Karine Danielyan	President, Sustainable Human Development NGO
Educational Organizations		
39.	Zhirayr Vardanyan	Director, Botanical Institute SNCO
40.	Hunan Ghazaryan	Director of Land Use, Agro chemistry and Melioration Scientific Center after H. Petrosyan
41.	Hector Babayan	Director, Georisk Scientific Research Company
42.	Samvel Avetisyan	Senior Researcher, ASUE "Amberd" Research Center
43.	Anastas Aghazaryan	Dean of Management Department, French University in Armenia
44.	Rudik Nazaryan	Armenian National Agrarian University
45.	Tigran Chitchyan	Head of Veterinary Chair of Armenian National Agrarian University
International Agencies		
46.	Anahit Simonyan	Head of Operations, United Nations Industrial Development Organization (UNIDO)
47.	Marina Vardanyan	Mission Environmental Officer in Armenia, USAID
48.	R. Shamayleh	Mission Environmental Officer in Armenia, USAID
Experts		
49.	Michael Vermishev	National Expert on Mitigation, UNDP-GEF
50.	Tigran Sekoyan	Energy Sector Expert
51.	Marina Sargsyan	Senior Expert for Biennial Update Report Preparation
52.	Hayrapet Hakobyan	Junior Expert on Mitigation Impact Assessment
53.	George Fayvush	National Expert on Adaptation
54.	Vahagn Tonoyan	Expert on Water Resources Vulnerability, EU project
55.	Naira Aslanyan	Climate Change Expert, USAID project

ANNEX 1. STAKEHOLDER INVOLVEMENT MATRIX

Name of Institutions/stakeholders consulted	Stakeholder interests, official position or mandate	Reasons for inclusion	Role in the self-assessment process
State management structures			
Ministry of Nature Protection <i>(including agencies and relevant institutions that are under its coordination)</i>	<ul style="list-style-type: none"> • Elaborates and implements the GoA policies in the areas of environmental protection and sustainable use of natural resources. • Conducts national policy on natural resources. • Conducts administrative statistical reporting, relevant registries and inventory of natural resources and their approved reserves. Conducts Red Books of Armenia on flora and fauna. • Develops normative legal and technical acts. • Sets up state norms of adverse environmental impact and use of natural resources. • Conducts state environmental impact assessment and monitoring of environmental situation. • Sets up norms of harmful emissions into the atmosphere and discharges to the water objects and conducts their state registry. • Develops strategy directions of ecological education and science. • Implements international commitments of Armenia in the field of environment. 	<ul style="list-style-type: none"> • Responsible for project implementation. • UNFCCC Focal Point. • GEF Operational Focal Point. • Leads the Project Steering committee. • Focal Point for other environmental conventions. • Through its Climate Change Unit (CCU) is responsible for preparation, approval and presentation of the TNC to the COP and supports to the overall implementation process of the UNFCCC. 	<ul style="list-style-type: none"> • Implemented and coordinated self-assessment exercise. • Hold consultations with relevant stakeholders. • Provided policy advice. • Through CCU synthesized thematic areas specific reports into the stocktaking report. • Through CCU prepared the stocktaking report and project proposal for the TNC.
Ministry of Emergency Situations <i>(including agencies and relevant institutions that are under its coordination)</i>	<ul style="list-style-type: none"> • Elaborates and implements the policies in the area of population protection and civil defense in emergency situations, • Coordinates state projects on preventing emergency situations, developed by the administrative bodies and organizations, • Organizes awareness activities on the issues of civil protection in case of emergency situations, • Organizes and coordinates state consolidated accounting of fires, • Performs stock-taking of fire prevention and anti-fire machinery and facilities of state and regional authorities and participates in fire extinguishing and rescue as well as recovery activities, establishes anti-fire units in organizations by their request, • Coordinates rescue forces' and anti-fire units' activities, • Qualification certification of relevant units, including anti-fires ones, as well as relevant specialists, • Implements regular and special studies, observations and projections of hydro-meteorological phenomena. Draws up warning system for dangerous weather phenomena. 	<ul style="list-style-type: none"> • PSC member. • Provider of information on hydro meteorological phenomena 	<ul style="list-style-type: none"> • Consulted by CCU. • Involved in stocktaking survey • Corresponding chapters of the proposal were consulted with specialists from Armstatehydromet

Name of Institutions/stakeholders consulted	Stakeholder interests, official position or mandate	Reasons for inclusion	Role in the self-assessment process
	<p><i>“Armenian State Hydro-meteorological Service” SNCO</i></p> <ul style="list-style-type: none"> • Performs hydro-meteorological observations and elaborates relevant predictions to ensure functioning and sustainable development of the economy’s sectors that depend critically on hydro-meteorological conditions (agriculture, energy, aviation, construction, transport and the likes), • Implements hydro-meteorological and environmental monitoring programs of state importance within the RA territory, • Compiles database of state informational resources, collects and maintains a consolidated fund of hydro-meteorological events and environment monitoring data, • Performs applied scientific studies in the field of hydro-meteorological and environmental monitoring; elaborates and improves observation and prediction methodology. 		
<p>Ministry of Agriculture <i>(including agencies and relevant institutions that are under its coordination)</i></p>	<ul style="list-style-type: none"> • Develops and implements GoA policies in the field of agriculture, forestry and food provision management. • Conducts administrative statistical registry and inventory of agricultural land reclamation conditions. • Conducts state management of forests, pastures, and meadows, including protection, monitoring, conservation and use. Implements forestation activities, conducts state forest inventory and monitoring, takes stock of the state forest fund. • Develops methods and technologies for land protection, efficient use of agricultural land, reclamation, increase of fertility and rehabilitation. • Develops agrarian fundamental and applied sciences. 	<ul style="list-style-type: none"> • PSC member. • Potential policy adviser and data provider. • Potential provider of technical expertise. • Promotes adaptation policy development and its incorporation in the agricultural development plans. 	<ul style="list-style-type: none"> • Consulted by CCU. • Involved in the adaptation and vulnerability stocktaking survey. • Participated in prioritization exercise. • Provided input and feedback to the process.
<p>Ministry of Energy Infrastructures and Natural Resources <i>(including agencies and relevant institutions that are under its coordination)</i></p>	<ul style="list-style-type: none"> • Elaborates and implements the GoA policies in the energy sector. • Ensures development and application of economic and legal mechanisms for efficient use of local energy sources and alternative resources. • Ensures implementation of the energy conservation and renewable energy development policy according to the relevant legislation. 	<ul style="list-style-type: none"> • PSC member. • Potential policy adviser and data provider. • Potential provider of technical expertise. • Promotes GHG abatement policy. • Facilitates mainstreaming of climate change issues into national development plans. 	<ul style="list-style-type: none"> • Consulted by CCU. • Involved in the mitigation stocktaking survey. • Provided input and feedback to the process.
<p>State Committee of Urban Development</p>	<ul style="list-style-type: none"> • Elaborates and implements the GoA in the urban development sector, including residential and communal sector, development of general plans of territorial administration. 	<ul style="list-style-type: none"> • PSC member. 	<ul style="list-style-type: none"> • Consulted by CCU.

Name of Institutions/stakeholders consulted	Stakeholder interests, official position or mandate	Reasons for inclusion	Role in the self-assessment process
	<ul style="list-style-type: none"> Develops and based on established procedures approves urban planning, architectural and construction normative and technical documents. 	<ul style="list-style-type: none"> Potential policy adviser and data provider. Potential provider of technical expertise. Facilitates mainstreaming of climate change issues into urban development planning. 	<ul style="list-style-type: none"> Provided input and feedback to the process.
Ministry of Finance	<ul style="list-style-type: none"> Elaborates and implements the GoA in the areas of fiscal revenue collection, public finance administration, and coordination of social-economic development programs. Coordinates development of poverty reduction strategy, clarification of annual action plans and their revisions, implements monitoring and analysis of poverty reduction process and annual reports. Assists in implementation of approved commitments of the Government adhered with respect to the Republic of Armenia. Coordinates loan and grant resources provided to the RA by international financing organizations and foreign countries, implements financial monitoring of the projects. 	<ul style="list-style-type: none"> Potential policy adviser and data provider. Potential provider of technical expertise. 	<ul style="list-style-type: none"> Consulted by CCU. Provided input and feedback to the process.
Ministry of Economic Development and Investments	<ul style="list-style-type: none"> Elaborates the national economic, trade and industrial development policies, participates in developing short, medium and long-term social and economic development projections and plans as well as in developing the strategy of economic security and sustainable development. Promotes studies directed to scientific and innovative policy development, international cooperation in technology transfer and introduction of new technologies, intellectual property rights 	<ul style="list-style-type: none"> PSC member. Potential policy adviser and data provider. Potential provider of technical expertise for technology transfer. Facilitates technology transfer and application of international standards. 	<ul style="list-style-type: none"> Consulted by CCU. Provided input and feedback to the process.
Ministry of Territorial Administration	<ul style="list-style-type: none"> Coordinates implementation of government's regional policy. Ensures implementation of social and economic development plans by territorial administration bodies. 	<ul style="list-style-type: none"> PSC member. Potential policy adviser and data provider. Potential provider of technical expertise. Facilitates mainstreaming of climate change issues in regional development plans. 	<ul style="list-style-type: none"> Consulted by CCU. Provided input and feedback to the process.
Ministry of Transport, Communication and Information Technologies	<ul style="list-style-type: none"> Elaborates and implements the government's policies in the transport, communication, and information technologies sectors. 	<ul style="list-style-type: none"> Potential policy adviser and data provider. 	<ul style="list-style-type: none"> Consulted by CCU. Provided input and feedback to the process.

Name of Institutions/stakeholders consulted	Stakeholder interests, official position or mandate	Reasons for inclusion	Role in the self-assessment process
	<ul style="list-style-type: none"> Develops normative and technical by-laws on adjustment of all types of transport and communication. 	<ul style="list-style-type: none"> Potential provider of technical expertise. Facilitates mitigation objectives in the transport sector development plans. 	
Ministry of Foreign Affairs	<ul style="list-style-type: none"> Elaborates and implements the government's foreign affairs policies and organizes and manages the diplomatic services within the scope of the authority vested in it. 	<ul style="list-style-type: none"> Potential policy adviser. 	<ul style="list-style-type: none"> Consulted by CCU. Provided input and feedback to the process.
Ministry of Justice	<ul style="list-style-type: none"> Elaborates and implements government's policy in sectors which belong to the authority of the Ministry in accordance with laws, other legal acts, and its by-laws. Coordinates state legal expertise of normative legal acts, by-laws and their state registry. 	<ul style="list-style-type: none"> Potential policy adviser. 	<ul style="list-style-type: none"> Consulted by CCU. Provided input and feedback to the process.
Ministry of Education and Science <i>(including agencies and relevant institutions that are under its coordination)</i>	<ul style="list-style-type: none"> Elaborates and implements the government's policy in the education and science sectors. Develops state and targeted action plans. Ensures development educational plans, curricula, books and handbooks for secondary education. Facilitates scientific and technical studies for improvement of environmental situation in the country. Approves educational and subject curricula developed by educational institutions. 	<ul style="list-style-type: none"> PSC member. Potential policy adviser and data provider. Potential provider of technical expertise. Facilitates mainstreaming of climate change issues into development plans. 	<ul style="list-style-type: none"> Consulted by CCU. Participated in the stocktaking survey. Provided input and feedback to the process.
Ministry of Health <i>(including agencies and relevant institutions that are under its coordination)</i>	<ul style="list-style-type: none"> Elaborates and implements the government's policy in the healthcare sector. Develops hygienic and anti epidemic measures and supervises their implementation. Assesses environmental impact on population health. Organizes measures on population early medical assistance in case of epidemic situations. Organizes anti epidemic measures in the infectious and parasitological sites. 	<ul style="list-style-type: none"> PSC member. Potential policy adviser and data provider. Potential provider of technical expertise. Facilitates mainstreaming of climate change V&A issues into national plans. 	<ul style="list-style-type: none"> Consulted by CCU. Participated in the V&A stocktaking survey. Provided input and feedback to the process.
Government Adjunct Bodies			
State Committee of Water Resources	<ul style="list-style-type: none"> Elaborates and implements government's policies in the areas of management and utilization of state-owned water systems. Participates in drafting of national water plan. 	<ul style="list-style-type: none"> Potential policy adviser and data provider. Potential provider of technical expertise. 	<ul style="list-style-type: none"> Consulted by CCU. Provided input and feedback to the process.

Name of Institutions/stakeholders consulted	Stakeholder interests, official position or mandate	Reasons for inclusion	Role in the self-assessment process
	<ul style="list-style-type: none"> Participates in evaluation of annual and long-term consumable water resources. Ensures implementation activities directed to redistribution of consumables water resources. Conducts administrative statistical registry of water consumption. 	<ul style="list-style-type: none"> Facilitates mainstreaming of climate change issues into national water sector plans. 	
State Committee of the Real Estate Cadastre	<ul style="list-style-type: none"> Elaborates and implements the policies of the unified national cadastre of real estate property. Draws up land balance of the land fund. Develops management principles on regulation of land relations, land policy and land resources with regard to rights and land market formation. Develops and implements geodesic and mapping targeted projects of state importance. Develops and manages state fund of map-making. 	<ul style="list-style-type: none"> Potential policy adviser and data provider. Potential provider of technical expertise. Facilitates mainstreaming of climate change issues into national development plans. 	<ul style="list-style-type: none"> Consulted by CCU. Provided input and feedback to the process.
National Statistical Service	<ul style="list-style-type: none"> Collects, processes, summarizes, analyzes and publishes statistical data. Develops methodologies of statistical work. Co-ordinates the information and data collection according to the unified classification and coding system based on international standards. Organizes statistical surveys. Carries out Population census every 10 years. Establishes, maintains and updates the Business Register. Jointly with other agencies develops and introduces national accounting system indices in accordance to international standards. 	<ul style="list-style-type: none"> PSC member. Potential policy adviser and data provider. Potential provider of technical expertise. 	<ul style="list-style-type: none"> Consulted by CCU. Participated in the stocktaking survey. Provided input and feedback to the process.
Academic and Research Institutions			
National Academy of Sciences <i>(Institute of Botany, Institute of Zoology, Institute of Geological Science, Institute of Hydrology and Ichthyology, Byurakan Observatory, Center for Ecological Noosphere Studies, Institute of Hydroponics)</i>	<ul style="list-style-type: none"> Elaborates and implements scientific policy. Promotes and carries out fundamental and applied research in different scientific fields and coordinates research carried out throughout Armenia. Promotes introduction of innovative technologies and their improvement. Implements expertise according to established procedures. Develops and presents targeted programmes for educational and research institutions. Formulates investment projects based on outputs achieved by research institutions. 	<ul style="list-style-type: none"> Potential data provider. Potential provider of technical expertise. Facilitates climate change related studies. 	<ul style="list-style-type: none"> Consulted by CCU. Participated in the stocktaking survey. Provided input and feedback to the process.

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Yerevan State University, State Engineering University of Armenia, Armenian Agricultural Academy	<ul style="list-style-type: none"> • Educates at all levels on chemistry, biology, geology, geography, physics, computer sciences, economics, humanitarian sciences and mathematics. • Prepares high qualification specialists and organizes specialist retraining. • Conducts scientific research activities and implements projects. • Conducts educational and information activities. 	<ul style="list-style-type: none"> • Potential data provider. • Potential provider of technical expertise. • Facilitates climate change related studies and education. 	<ul style="list-style-type: none"> • Consulted by CCU. • Participated in the stocktaking survey. • Provided input and feedback to the process.
International Organizations			
UNDP Armenia	<p>In accordance with the national priorities and reflecting extensive consultations with civil society, the UNDP has signed with the GoA Country Programme Action Plan setting following priority environmental outputs:</p> <ul style="list-style-type: none"> • Promote environmentally sound technologies and effective management of natural resources in accordance with the MDGs and SDP. • Promote sustainable development by helping duty-bearers to integrate the principles of sound resource management and environmental protection into national development policies and programmes. • Strengthen the protection of natural resources by helping to create an enabling environment that promotes sound resource management. • Strengthen the capacity of civil society to contribute to sustainable development by raising awareness, enhancing skills and increasing public participation in the development and implementation of policies and programmes on natural resource management. 	<ul style="list-style-type: none"> • Implementing Agency of the GEF funded Climate Change enabling activities. • PSC member. • Provides technical assistance to the project implementation. • Coordinates Project cooperation with other donors and UNDP other programme activities. 	<ul style="list-style-type: none"> • Assisted and monitored stocktaking exercise. • Consulted by CCU. • Provided input and feedback to the validation process.
World Bank Armenia	<ul style="list-style-type: none"> • Helps accelerate economic growth, create employment and improve social services through analysis, advice and financial assistance. • Supports the country's growth through the provision of technical assistance, as well as analytical and policy advice. <p>In Frames of Country Assistance Strategy for Armenia the focus of World Bank lending has shifted to poverty alleviation through improvements in education, health, social infrastructure and private sector development as well as to agriculture and food security.</p>	<ul style="list-style-type: none"> • PSC member. • Potential provider of technical expertise. • Potential innovative financing mechanism for renewable energy, energy efficiency, carbon sequestration and other similar funds. 	<ul style="list-style-type: none"> • Consulted by CCU.
Regional Environmental Center (REC) Armenia	<ul style="list-style-type: none"> • Assists in solving South Caucasian regional environmental problems and supports in building the civil society through promotion of public participation in the decision-making process, development of free exchange of information and encouragement of cooperation at national and regional level among NGOs, governments, businesses, local communities and all other stakeholders. 	<ul style="list-style-type: none"> • PSC member. • Partner for awareness raising activities. 	<ul style="list-style-type: none"> • Consulted by CCU.

Name of Institutions/stakeholders consulted	Stakeholder interests, official position or mandate	Reasons for inclusion	Role in the self-assessment process
	<ul style="list-style-type: none"> Provides free access to environmental information. Assists in increasing the environmental awareness. Supports public participation in environmental decision-making. 		
USAID Armenia	<p>In consultation with Armenian public, private and non-governmental organizations, as well as with other donors the USAID supports the efforts of the Government of Armenia in:</p> <ul style="list-style-type: none"> Capacity building for the GHG inventory development Promotion of energy efficiency, renewable energy and diversification of energy sources. 	<ul style="list-style-type: none"> PSC member. Potential information provider. Potential provider of technical expertise. 	<ul style="list-style-type: none"> Consulted by CCU.
Non-Governmental Organizations			
“BYURAKN”	<ul style="list-style-type: none"> Promotes environmental education. Carries out advocacy campaign in the field of environmental protection. Promotes sustainable management of resources as a way of thinking and behavior. 	<ul style="list-style-type: none"> Potential partner for environmental education and awareness raising activities. 	<ul style="list-style-type: none"> Consulted by CCU.
Association for Sustainable Human Development	<ul style="list-style-type: none"> Advocates and disseminates the ideology and concepts of sustainable human development. Facilitates the elaboration and operation of the national strategy on sustainable development. 	<ul style="list-style-type: none"> Potential partner for advocacy and awareness raising activities. 	<ul style="list-style-type: none"> Consulted by CCU.
Green’s Union of Armenia	<ul style="list-style-type: none"> Advocates for environmental protection and rational use of natural resources. Facilitates improvement of environmental legislation. Promotes use of alternative and renewable sources of energy. 	<ul style="list-style-type: none"> Potential provider of technical expertise. Potential partner for awareness raising and advocacy activities. 	<ul style="list-style-type: none"> Consulted by CCU.
International Center for Human Development	<ul style="list-style-type: none"> Advocates for environmental protection and rational use of natural resources. Facilitates the regional cooperation 	<ul style="list-style-type: none"> Potential partner for awareness raising and advocacy activities. 	
Environmental Public Advocacy Centre	<ul style="list-style-type: none"> Provides consultations to individuals, citizen groups, public and other organizations on a wide variety of environmental topics. Presents environmental claims of individuals, groups and organizations before governmental bodies, as well as in courts of law. Drafts and analyses environmental legislation. Conducts education of new generation of environmental lawyers through training and legal education programs. 	<ul style="list-style-type: none"> Potential partner for advocacy and awareness raising activities. 	<ul style="list-style-type: none"> Consulted by CCU.
“Khazer” Ecological and Cultural Organization	<ul style="list-style-type: none"> Promotes enhancement of general awareness, knowledge and education among the students, schoolchildren and public on global environmental concerns. 	<ul style="list-style-type: none"> Potential partner for educational and awareness raising activities. 	<ul style="list-style-type: none"> Consulted by CCU.

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	<ul style="list-style-type: none"> • Implements projects on climate change advocacy and education, participates in environmental monitoring. 		
ECO-TEAM	<ul style="list-style-type: none"> • Promotes awareness on energy efficiency, renewable energy • Provides free consultancy and humanitarian assistance to needy low-income people, large families, and orphans. 	<ul style="list-style-type: none"> • Potential partner for awareness raising activities. 	<ul style="list-style-type: none"> • Consulted by CCU.
Professional and Entrepreneurial Orientation Union	<ul style="list-style-type: none"> • Promotes different groups of the citizens, particularly intellectuals, youth, students, pupil, beginner businessmen, refugees, migrants, etc., to make correct professional and entrepreneurial orientation on the basis of own knowledge, ability and preference, so as to use their potential with the greatest effect in the field of socio-economic reforms, development of scientific, educational, cultural and environmental policy, with special reference to nature conservation and sustainable use of natural resources. 	<ul style="list-style-type: none"> • Potential partner for training and awareness raising activities. 	<ul style="list-style-type: none"> • Consulted by CCU.
Green Land, Tree Project, Armenian Forests <i>(The NGOs has similar mandates)</i>	<ul style="list-style-type: none"> • Promotes rehabilitation of the forests, protective green belts and the expansion of green areas in Armenia with the assistance of all Armenians. • Facilitates advocacy for protection of the green areas. 	<ul style="list-style-type: none"> • Potential partner for development of reforestation, afforestation projects and awareness rising. 	<ul style="list-style-type: none"> • Consulted by CCU.
Women for Green Way for Generations (WGWG)	<ul style="list-style-type: none"> • Contributes to: <ul style="list-style-type: none"> ○ Improvement of women's and children's health; improvement of public policy on reproductive health, particularly on consequences of negative environmental factors. ○ Prevention and prophylaxis of environmental pollutants related diseases. ○ Formation of ecological culture and self-consciousness among the population. ○ Awareness raising and environmental education. 	<ul style="list-style-type: none"> • Potential partner for producing CC Newsletters and outreach materials. 	<ul style="list-style-type: none"> • Consulted by CCU.
Armenian Women for Health and Healthy Environment for Generations	<ul style="list-style-type: none"> • Participates in environmental risk assessment, environmental security issues, fieldwork, and monitoring, • Assists in establishing environment related data base 	<ul style="list-style-type: none"> • Potential partner for monitoring, data collection and awareness raising activities. 	<ul style="list-style-type: none"> • Consulted by CCU.
Geophone	<ul style="list-style-type: none"> • Conducts environmental impact assessment/ environmental expertise, fieldwork, and monitoring, public involvement in decision-making process, information dissemination, and cooperation with other NGOs. 	<ul style="list-style-type: none"> • Potential partner for awareness raising activities. 	<ul style="list-style-type: none"> • Consulted by CCU.
Bio and Landscape Diversity	<ul style="list-style-type: none"> • Promotes protection of biodiversity and landscapes, assessment and sustainable use of bio-resources, as well as legislation improvement in the sphere for human sustainable development. 	<ul style="list-style-type: none"> • Potential provider of technical expertise. 	<ul style="list-style-type: none"> • Consulted by CCU.

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Armenian Geographical Society	<ul style="list-style-type: none"> • Mobilizes geographers and representatives of related sciences to promote science development, sharing geographical and geo-ecological knowledge, increases public awareness on geographical issues. • Organizes scientific conferences on geography and rational use of natural resources and environmental issues in the regions. 	<ul style="list-style-type: none"> • Potential data provider. • Potential partner for awareness raising activities. 	<ul style="list-style-type: none"> • Consulted by CCU.
Private Companies			
GEORISK Scientific Research CJSC	<p>Provides scientific and technical advice and implements research in the field of:</p> <ul style="list-style-type: none"> • Geology Studies. • Geotechnical Engineering. • Hazard and Risk Assessment related to earthquakes, volcanoes, landslides, and mudflows. • Interpretation of remote sensing materials (air photos/satellite imagery). • Ecology. • Creation of GIS-based data banks and databases. • Applications of GPS technology. • Research in biotechnology and bioenergetics. 	<ul style="list-style-type: none"> • Conducts studies related to monitoring and assessment of desertification, deforestation, hazardous phenomena (landslides, mudflows), greenhouse gases emission, etc. • Provides analytic services, research, and expert estimations. • Potential provider of thematic data, technical expertise related to application of GIS and other advanced tools in the climate change study, monitoring, forecasting and management. 	<ul style="list-style-type: none"> • Consulted by CCU regarding natural hazard/risk assessment, monitoring, and management. • Participated in the stocktaking survey.
Energy Strategy Center	<ul style="list-style-type: none"> • Issues of policy and strategy planning in the energy sector • Energy demand and generation forecast studies • Business planning and project implementation in the energy sector • Renewable energy development projects implementation • Environmental issues in energy sector 	<ul style="list-style-type: none"> • Partner in mitigation studies. • Energy demand forecast • Potential provider of technical expertise. 	<ul style="list-style-type: none"> • Consulted by CCU. • Participated in the stocktaking survey.
Library of Foreign Assistance of the CJSC "Scientific Research Institute of Energy"	<p>Provides scientific and technical information which includes:</p> <ul style="list-style-type: none"> • Reports of foreign assistance projects in energy, ecology, economy, other fields. • Books, magazines, newspapers, other periodicals. • Conference, seminar, training, presentation materials, transactions. • Newsletters, magazines, bulletins, digest in electronic format. 	<ul style="list-style-type: none"> • Provides analytical services, research, and expert estimations. • Potential provider of thematic data, and other advanced tools in the CC change study, monitoring, forecasting and management 	<ul style="list-style-type: none"> • Consulted by CCU regarding information collection and dissemination matters.
Technokom Ltd	<p>Focuses its activities in solar, heating, refrigeration technologies development in Armenia.</p> <ul style="list-style-type: none"> • Design, manufacturing and installation of custom-sized solar water heating systems. 	<ul style="list-style-type: none"> • Potential partner for technology transfer. • Potential provider of technical expertise. 	<ul style="list-style-type: none"> • Consulted by CCU.

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	<ul style="list-style-type: none"> • Installation of photovoltaic and autonomous power supply systems. • Consultancy in heating and refrigeration equipment design and installment. 		
AREV Scientific-Industrial Company	<ul style="list-style-type: none"> • Develops advanced industrial technologies which have unique environmentally safe applications in renewable energy sources, which can be applied in efficient production, processing of nuclear and recycling of industrial wastes, in hydrometallurgy based on electro dialysis and electrolysis with especially selected components. Company is also experienced in developing important theoretical and modeling tools. • Develops solar heater. 	<ul style="list-style-type: none"> • Potential partner for technology transfer. • Potential provider of technical expertise. 	<ul style="list-style-type: none"> • Consulted by CCU. • Participated in the stocktaking survey.
“JINJ” CJSC	<ul style="list-style-type: none"> • Provides engineering consultations in the area of water supply, water disposal and water resources management. • Design of engineering networks and evaluation of water supply projects. 	<ul style="list-style-type: none"> • Potential provider of technical expertise in water and wastewater treatment areas. 	<ul style="list-style-type: none"> • Consulted by CCU. • Participated in the stocktaking survey.
“ArmRusGazArd” CJSC	<ul style="list-style-type: none"> • ArmRusGazArd is a gas supply construction and repair organization specialized in: • Construction, design of gas pipelines, consulting in operation of gas pipeline systems. 	<ul style="list-style-type: none"> • Potential data provider. • Potential provider of technical expertise. 	<ul style="list-style-type: none"> • Consulted by CCU.
Institute of Water Problems and Hydraulic Engineering	<ul style="list-style-type: none"> • Studies water resources, water balance, water distribution issues in Armenia. 	<ul style="list-style-type: none"> • Potential data provider. • Potential provider of technical expertise on V&A of water sector. 	<ul style="list-style-type: none"> • Consulted by CCU.