**Fourth National Communication and**

**Third Biennial Update Report under the UNFCCC**

**UNDP/GEF Project**

**PIMS 6136,**

**Atlas Award ID 00105090; Atlas Project ID 00106366**

**INCEPTION REPORT**

**June, 2018**

Table of Contents

[**EXECUTIVE SUMMARY** 4](#_Toc517728775)

[**1. BACKGROUND** 4](#_Toc517728776)

[**1.2 Project objective** 5](#_Toc517728777)

[**2. PROJECT INCEPTION UPDATE** 6](#_Toc517728778)

[**2.1 Activities preceding Project operationalization** 6](#_Toc517728779)

[**2.2 Inception Workshop** 6](#_Toc517728780)

[**3. ACTIVITIES CARRIED OUT DURING INCEPTION PHASE** 8](#_Toc517728781)

[**CONCLUSION** 8](#_Toc517728782)

[**ANNEXES** 9](#_Toc517728783)

[**Annex I:**  **Inception workshop – Agenda** 9](#_Toc517728784)

[**Annex II:** **List of participants, IW 28 May 2018** 10](#_Toc517728785)

[**Annex III:** **Budget revision – Apr 2018** 10](#_Toc517728786)

[**Annex IV – Terms of Reference for Key Experts** 10](#_Toc517728787)

[**Annex V: Revised Project Result Framework** 16](#_Toc517728788)

[**Annex VI: Revised Multi Year Work Plan** 28](#_Toc517728789)

[**Annex VII: Revised Annual Work Plan** 33](#_Toc517728790)

**ACRONYMS**

AWP Annual Work Plan

B&H Bosnia and Herzegovina

CCA Climate Change Adaptation

CO Country Office

DOA Designation of Authority

FNC/TBUR Fourth National Communication and Third Biennial Update Report

GEF Global Environment Facility

IW Inception workshop

LPAC Local Programme Advisory Committee

M&E Monitoring and Evaluation

PB Project Board

SBUR Second Biennial Update Report

SNC Second National Communications

TNC Third National Communications

UNDP United Nations Development Programme

UNFCCC UN Framework Convention on Climate Change

**EXECUTIVE SUMMARY**

This document reports on the UNDP/GEF Fourth National Communication and Third Biennial Update Report under the UNFCCC project (hereinafter referred to as the Project) inception phase.

The Inception report covers a period from the project approval on 08 Jan 2018 till inception workshop held on 28 May 2018, which is considered to be a Project inception period. Having in mind that there was no change in the project environment between the approval and operationalization, a brief introduction of the Project (background and objectives) is given in the chapter 1. Chapter 2 contains a brief timeline of the events preceding project operationalization, as well as information about organization the Inception workshop, its purpose, activities and conclusions. Chapter 3 elaborates on the project activities which were carried out during inception phase.

**1. BACKGROUND**

Bosnia and Herzegovina (B&H) is a middle-income country with an estimated 3.8 million inhabitants, which is still recovering from the 1992-1995 war which had a devastating impact on its human, social and economic resources, leading to enormous challenges of the post-war reconstruction and economic and social recovery. This challenge has been further compounded by the transition towards market economy requiring structural reforms and improved governance. The slow rate of the post-war economic recovery of Bosnia and Herzegovina has been compounded by the negative impacts of climate change on key sectors such as agriculture, energy (hydropower), the environment and, in particular, the frequency and magnitude of flood disasters, which have tripled in frequency in the last decade.

Accomplishment of requirements defined under the United Nations Framework Convention on Climate Change (UNFCCC) is stated as a national priority listed in the UNDAF for Bosnia and Herzegovina (BiH). BiH became a member of the UNFCCC on December 6, 2000, and the Kyoto Protocol was ratified on April 22, 2008. Following the ratification of the UNFCCC, BiH has made a serious effort to establish appropriate political, institutional and legal frameworks to meet the commitments of the convention. Based on mutual agreement of both of the relevant institutions of the entities, the BiH Focal Point for the UNFCCC is the Ministry of Spatial Planning, Civil Engineering and Ecology of Republic of Srpska (RS).

B&H prepared and submitted its Initial National Communication in 2010, SNC was completed in 2013, the First Biennial Update Report in 2014, whole TNC/SBUR were submitted to UNFCCC in 2017.

**1.2 Project objective**

The long term objective of the project is to assist Bosnia and Herzegovina in deepening the mainstreaming and integration of climate change into country and sectoral development goals and to enable the entity and state level governments to respond to international environmental obligations by strengthening and giving continuity to the institutional and technical capacity development that has been initiated and sustained by the National Communications and Biennial Update Reports processes to date.

The immediate objective of the project is to assist Bosnia and Herzegovina in the preparation and submission of its Fourth National Communication to the Conference of the Parties to the UNFCCC and its Third Biennial Update Report; for the fulfillment of its obligations to the Convention under [Decision 17 / CP. 8](http://unfccc.int/resource/docs/cop8/07a02.pdf#page=2), [Decision 2 / CP.17](http://unfccc.int/documentation/documents/advanced_search/items/6911.php?priref=600006772#beg) and other related guidance.

The project is prepared in line with GEF-6 strategic focal area on climate change mitigation, objective CCM3 on fostering enabling conditions to mainstream mitigation concerns into sustainable development strategies. In particular, Program 5 of this objective aims to mainstream the integration of climate considerations into the national planning process and to help countries mainstream mitigation action in support of the 2030 Agenda for Sustainable Development and SDGs.

The project expected outcomes are:

1.1. National circumstances and institutional arrangements relevant to the preparation of the national communications on a continuous basis updated and described.

1.2 Progress towards mainstreaming of climate change considerations into key development strategies and sector-based policy frameworks assessed.

1.3 Constraints and gaps identified; financial, technology, policy and capacity building needs assessed and recommendation for addressing the needs provided

1.4. Other information relevant for the preparation of FBUR and 4NC consolidated. The interventions will be guided by the principles of Doha Work Programme under Article 6 of the UN Framework Convention on Climate Change

2.1. Updated GHG inventory up to year 2017 and Improvement of GHG inventory system

3.1. In-depth vulnerability assessment, including recommended adaptation measures for priority sectors of socio-economic development and natural environment conducted; including risks of climate change, climate variability and extreme weather events

4.1. Using best practices and latest INDC, assessment of sectors and interventions contributing to GHG emission reduction at the national level conducted

4.2 Establishment of domestic Measurement, Reporting and Verification system supported

5.1. TBUR compiled, translated, approved by the Council of Ministers and submitted to UNFCCC

5.2. 4NC compiled, translated, approved by the Council of Ministers and submitted to UNFCCC

5.3. Project regularly monitored, financial audit conducted, and lessons learned compiled

**2. PROJECT INCEPTION UPDATE**

**2.1 Activities preceding Project operationalization**

The project was developed in 2017 and approved by GEF on 08 Jan 2018.

Following the LPAC meeting, issuance of DOA on 08 Jan 2018 and signing of the ProDoc and Letter of Agreement on Direct Project Services on 04 Apr 2018, the Project became operational. ProDoc AWP, which was created on yearly basis, was revised in order to reflect workplan schedule till the end of the calendar year and the fact that the Project started on 04 Apr 2018 thus requiring smaller amount of funds till 31 Dec 2018. Upon approval of AWP revision, revised AWP was entered and approved in Atlas.

**2.2 Inception Workshop**

2.2.1 Inception workshop - internal

Series of meeting were held between the representatives of the UNDP B&H CO, Third National Communication project team who developed FNC/TBUR project proposal and FNC/TBUR project team.

Mr. Milos Jokic, assistant minister, a nominated Project coordinator on behalf of the UNFCCC focal point, has been involved in the discussion from the very beginning.

Activities were discussed in detail, as well as timelines and delivery dates to best comply with existing procedures in B&H, as well as with UNFCCC guidelines and project duration. It was concluded that, having in mind long adoption procedures in B&H (TNC/SBUR was completed in June 2016, adopted by the B&H Council of Ministers on 23 May 2017 and submitted to UNFCCC in June 2017), project duration and UNFCCC requirements that NC’s are submitted every 4 years and BUR’s every two years, it was agreed to adjust dates for FNC completion to mid-2020, to be submitted to UNFCCC in 2021 to comply with UNFCCC guidelines and TBUR to mid-2021 to allow time for documents to be adopted and submitted to UNFCCC by the end of the project i.e. Apr 2022. As for the GHG inventory, FNC will cover year 2015-2016 and TBUR, which is likely to be submitted to UNFCCC in 2022, will, in addition to 2017, also cover year 2018, thus complying with UNFCCC guidelines that non-Annex I Parties shall cover, at a minimum, the inventory for the calendar year no more than four years prior to the date of the submission. This workplan has been subsequently approved by the Project board.

Project result framework has been revised and GHG inventory extended to the year of 2018. Please see indicator 10 in revised project result framework (Annex V). Multi year work plan has been adjusted (please see Annex VI).

Terms of reference for key experts have been defined.

2.2.1 Inception workshop - external

The Inception workshop (IW) for wider participation was organized jointly by UNDP CO and project team.

The IW was held on 28 May 2018 in Sarajevo and was attended by almost 50 participants, including representatives of main ministries. The purpose of workshop was to inform a broader range of stakeholders about the start of the project, their roles in the project, and to allow discussion of important technical issues.

Additionally, the purpose and objective of the IW was to: introduce project staff and detail the roles, support services and complementary responsibilities of the key stakeholders. Special attention was paid to the role of UNDP in the project management and the role of the Project Board. A detailed overview of UNDP/GEF reporting and monitoring and Evaluation (M&E) requirements was also presented.

The IW was moderated by the Energy and Environment Sector Communication Officer Ms. Ajla Mostarac and opened by Ms. Svjetlana Radusin, assistant minister for ecology in the Ministry of Spatial Planning, Construction and Ecology and UNFCCC focal point for Bosnia and Herzegovina who welcomed UNDP continuous assistance and its holistic approach in climate change management. Ms. Brankica Pandurevic, assistant minister for environment protection, water management and tourism in the Ministry of Foreign Trade and Economic Relations, which is charge for coordinating climate change and environment protection issue on state level welcomed the participants and expressed understanding for a request of B&H authorities to ensure coordination among various projects focused on various aspects of combating climate changes.

Mr. Sukhrob Khoshmukhamedov, Deputy Resident Representative, welcomed the participants and reiterated that thanks to GEF, UNDP is able to further support development of national communications and biennial update reports in Bosnia and Herzegovina. Mr. Khoshmukhamedov further added that addressing climate change represents a significant economic opportunity and that with very constructive cooperation with governments at all levels UNDP will continue working to enhance resilience to avoid the worst impacts of climate change and secure prosperous future to citizens.

Following opening notes, main findings of the Bosnia and Herzegovina Third National Communications and Second Biennial Update Report were presented by the three key experts in their respective fields: Ms. Andrea Muharemovic - greenhouse gases inventory, prof Goran Trbic - climate change adaptation and Ms. Samra Prasovic – climate change mitigation.

Ms. Muharemovic, GHG expert, gave a brief overview of the GHG emissions per sector and elaborated on the main shortcoming identified in inventory development such as the way data are collected in Bosnia and Herzegovina and data needed to comply with IPCC methodology, lack of data, poor legislative framework related to the amount and type of data and lack of institutional responsibilities related to GHG inventory development.

Ms. Prasovic, TNC mitigation team leader elaborated on scenarios development and Bosnia and Herzegovina mitigation potential in identified sectors: electricity production, district heating, industry, transport, agriculture, waste and forestry.

Professor Goran Trbic, climate change adaptation expert presented climate change models developed for BiH in line IPCC scenarios (A1B, A2 and RCP8.5). He emphasized that consequences of CC are very visible in BiH and are manifested as increased number of summer and tropical days, reduced snow cover, prolonged vegetation period, change in precipitation schedule etc. He specifically pointed out that all scenarios anticipated increased occurrence of weather extremes.

Ms. Raduska Cupac, a Project manager, presented the FNC/TBUR project, its components, planned activities and expected results. She also presented a project annual work plan and organizational structure, emphasizing a leading role of the Project board. UNDP/GEF reporting and monitoring and evaluation (M&E) requirements were also presented. Ms. Cupac welcomed a new role of a project coordinator.

This opportunity was also used to present a UNDP implemented project Catalyzing Environmental Finance for Low-Carbon Urban development and to show synergies between UNDP projects.

**3. ACTIVITIES CARRIED OUT DURING INCEPTION PHASE**

The **Project Team** consisting of a Project Manager and Project Associate has been established. A Project coordinator has been nominated by the UNFCCC focal point. Terms of reference for these key staff remained as specified in the Project document.

Members of the **Project Board** have been nominated as follows:

1. Svjetlana Radusin, Assistant Minister, Ministry for Spatial Planning, Construction and Ecology, UNFCCC Focal Point
2. Igor Jevtić, Department for Environment Protection, Ministry of Foreign Trade and Economic Relations
3. Mehmed Cero, Assistant Minister, Federal Ministry of Environment and Tourism
4. Ishak Abdurahmanović, Brčko District
5. Sanjin Avdić, UNDP Energy and Environment Sector Leader

The first PB meeting was held on 15 May 2018, where the roles and responsibilities of the Project Board were reiterated to the members. The Project Board will meet at least twice a year and its members emphasized a need for coordination with other projects of similar nature in Bosnia and Herzegovina. Project activities, result framework and revised work plan (as in Annexes V, VI and VII) were presented to and agreed upon by the Project board members.

Novelty in the project management is the role of a project coordinator, based at and appointed representative of the UNFCCC focal point. Project manager and project coordinator will, as peers, run the project on a day-to-day basis on behalf of the Implementing Partner (UNFCCC focal point Ministry of Spatial Planning, Construction, and Ecology of the governments of Republika Srpska).

Terms of References (ToRs) for the key experts (GHG, mitigation and adaptation team leaders) have been prepared, agreed upon with implementing partners and advertised.

Risk log, which is part of the Project document, was reviewed and it was concluded that no changes are necessary to be introduced.

**CONCLUSION**

No assessments nor events occurring during the inception phase indicated a need to change project result framework, outcomes nor outputs elaborated in the Project document.

**ANNEXES**

**Annex I: Inception workshop – Agenda**

**AGENDA**

**Monday, May 28, 2018, 11.00**

**SARAJEVO, HOTEL BRISTOL**

|  |  |
| --- | --- |
| **11:00 – 11:15** | **Registration** |
| **11:15 – 11:30** | **Welcome Speech***Svjetlana Radusin, Assistant Minister, Ministry of Physical Planning, Civil Engineering and Ecology of Republica Srpska**Brankica Pandurevic, Assistant Minister, Ministry of Foreign Trade and Economic Relations of Bosnia and Herzegovina**Sukhrob Khoshmukhamedov, Deputy Resident Representative, UNDP Bosnia and Herzegovina*  |
| **11:30 – 12:30** | **Presentation of the results of Third National Communication of Bosnia and Herzegovina under the United Nations Framework Convention on Climate Change*** GHG inventory
* Adaptation to existing climate changes
* Reduction of greenhouse gas emissions

*Andrea Muharemovic**Prof. Goran Trbic**Samra Prasovic* |
| **12:30 – 13:00** | **„Fourth National communication and Third Biennial Update Report under the UNFCCC“– presentations of project activities** *Raduska Cupac, UNDP* |
| **13:00 – 13:30** | **Presentation of the Project: Catalyzing Environmental Finance for Low-Carbon Urban development*** **Project components**
* **Activities planned in cooperation with partners in Project implementation**

*Amila Selmanagic Bajrovic, UNDP* |
| **14:00 – 14:30** | **Discussion** |
| **14:30** | **Lunch** |

**Annex II: List of participants, IW 28 May 2018**

Please see attached Annex II, as a separate .pdf document.

**Annex III: Budget revision – Apr 2018**

Please see attached Annex III, as a separate document.

**Annex IV – Terms of Reference for Key Experts**

**GHG Inventory Team Leader**

The GHG Team Leader should work in consultation with and under the guidance and supervision of the Project Manager (PM) and Project coordinator to develop GHG inventory for FBiH and compile overall inventory for Bosnia and Herzegovina. Specifically, his\her responsibilities are but not limited to the following:

* Prepares a detailed work-plan for GHG activities on the basis of the Project document;
* Develops the scope of work and respective terms of reference for the expert work;
* Leads and oversees the GHG project activities;
* Leads the data collection process, including surveys;
* Control completeness and accuracy of data submitted per sectors
* Identify training needs in GHG inventory and organize and conduct relevant training and workshops;
* Review and update QA/QC plan
* Identifies gaps and key sectors for GHG inventory;
* Drafts a GHG Inventory with supporting technical documentation, circulate it for review and incorporates comments;
* Finalize the respective chapter of the FNC along with the respective part of executive summary;
* Archives and documents all data;
* Ensure the timely and effective management of the activities as scheduled;
* Provides quarterly progress report to the PC and PM;
* Prepares progress reports for Project board at least twice a year.
* Drafts a chapter on GHG inventory, circulates it for review and incorporates comments;
* Finalize the respective chapters of the FNC and TBUR along with the respective part of executive summary.

The consultant is responsible for the following deliverables:

|  |  |  |
| --- | --- | --- |
| Deliverable / outputs | # of days per task | Due date |
| 1. Detailed work-plan for GHG inventory exercise on the basis of the overall project work plan developed
 | 3 | 31 Aug 2018 |
| 1. Activity data in all sectors collected, key sources identified for GHG inventory 2015-2016
 | 5 | 15 Dec 2018 |
| 1. GHG inventory 2015-2016 with uncertainty analysis completed
 | 25 | 30 Apr 2019 |
| 1. Specific training needs in GHG inventory identified

QA/QC plan updated | 10 | 30 Sept 2019 |
| 1. Draft chapter submitted for internal and external review
 | 5 | 30 Nov 2019 |
| 1. Final FNC input submitted
 | 4 | 28 Feb 2020 |
| 1. Activity data in all sectors collected, key sources identified for GHG inventory 2017-2018
 | 5 | 15 Nov 2020 |
| 1. GHG inventory 2017-2018 with uncertainty analysis completed
 | 25 | 15 Mar 2021 |
| 1. Draft TBUR chapter submitted for internal and external review
 | 5 | 15 Apr 2021  |
| 1. Final TBUR input submitted
 | 3 | 30 Jun 2021 |

**Mitigation Team Leader**

The Mitigation Team Leader should work in consultation with and under the guidance and supervision of the Project Manager (PM) and Project coordinator. Specifically, his\her responsibilities are but not limited to the following:

* Prepares a detailed work-plan for mitigation on the basis of the Project document;
* Develops the scope of work and respective terms of reference for the team members;
* Leads and oversees the mitigation team;
* Performs in-depth analyses of the mitigation potential of different sectors (electricity production, district heating, agriculture/forestry, transport, and waste);
* Leads and oversees scenarios development (until 2050) in identified sectors (electricity production, district heating, agriculture/forestry, transport, and waste);
* Reviews the status of relevant policy and legal framework;
* Reviews activities of local government and other donors in this field;
* Oversees cost-benefit analysis of mitigation actions;
* Prioritizes identifies and recommends mitigation measures,
* Prepares summary of mitigation actions in identified sectors;
* Provide input for recommendation on the operations of National Appropriate Mitigation Actions (NAMA) Designated National Authority (DNA);
* Provides recommendation for improvement of institutional arrangements for measuring, reporting and verification of NAMA
* Provides input for revision of Climate Change Adaptation and Low Emission Development Strategy
* Provides input for revision of National Determined Contributions (NDC) and NDC roadmap and action plan
* Drafts a chapter on mitigation, circulates it for review and incorporates comments;
* Finalize the respective chapter of the FNC and/or TBUR along with the respective part of executive summary;
* Archives and documents all studies, models ran and scenarios;
* Ensure the timely and effective management of the activities as scheduled;
* Provides quarterly progress report to the project management;
* Prepares progress reports for Project board at least twice a year.

The consultant is responsible for the following deliverables:

|  |  |  |
| --- | --- | --- |
| Deliverable / outputs | # of days per task | Due date |
| 1. Detailed work-plan for V&A exercise on the basis of the overall project work plan developed
 | 3 | 15 Aug 2018 |
| 1. Stocktaking of mitigation activities in the country completed; Relevant data for sectoral scenarios collected; Stocktaking of all awareness raising, education and research on CC completed
 | 15 | 30 Oct 2018 |
| 3. In-depth analyses of the mitigation potential of different sectors (electricity production, district heating, agriculture/forestry, transport, and waste); | 25 | 30 Mar 2019 |
| 4. Mitigation measures identified and prioritized | 10 | 30 May 2019 |
| 5. Input to NDC completed  | 5 | 30 Jun 2019 |
| 6. Input for recommendation on the operations of National Appropriate Mitigation Actions (NAMA) Designated National Authority (DNA) and NAMA institutional arrangements for measuring, reporting and verification provided; | 8 | 30 July 2019 |
| 7. Input for revision of Climate Change Adaptation and Low Emission Development Strategy | 7 | 30 Sept 2019 |
| 8. Draft FNC chapter submitted for internal and external review | 5 | 30 Nov 2019 |
| 9. Final FNC input submitted | 3 | 28 Feb 2020 |
| 10. Mitigation scenarios, potential and measures reviewed and adapted for TBUR | 12 | 31 Dec 2020 |
| 11. Draft TBUR chapter submitted for internal and external review | 5 | 15 Apr 2021 |
| 12. Final TBUR input submitted | 2 | 30 June 2021 |

**Vulnerability and Adaptation Team Leader**

The V&A Team Leader should work in consultation with and under the guidance and supervision of the Project Manager (PM) and Project Coordinator. Specifically, his\her responsibilities are but not limited to the following:

* Prepares a detailed work-plan for V&A on the basis of the Project document;
* Develops the scope of work and respective terms of reference for the team members;
* Leads and oversees the V&A team;
* Leads the data and information collection process for performing sectoral V&A assessments;
* Performs a stocktaking exercise of vulnerability and sensitivity of the country territory to climate risks
* Conducts an in-depth vulnerability assessment of key socio-economic sectors (agriculture, forestry, tourism, health, water resources, biodiversity, coastal area) and natural environment to climate impacts, including assessment of economic impacts by sectors
* Provides input data and monitors the development of climate models and the production of climate scenarios (e.g. RCP8.5)
* Identifies and recommends adaptation measures
* Conduct a study integrating response measures in the context of Disaster Risk Reduction (DRR) and Climate Change Adaptation (CCA)
* Provides capacity enhancement trainings on adaptation analysis and modelling for representatives of relevant institutions
* Leads development of two pilot studies on climate change impacts in the health and sensitive ecosystems (mountain lakes)
* Provides input for revision of Climate Change Adaptation and Low Emission Development Strategy
* Provides input for revision of National Determined Contributions (NDC) and NDC roadmap and action plan
* Archives and documents all studies, models ran and scenarios;
* Ensure the timely and effective management of the activities as scheduled;
* Provides quarterly progress report to the project management;
* Prepares progress reports for Project board at least twice a year.
* Drafts a chapter on V&A, circulates it for review and incorporates comments;
* Finalize the respective chapter of the FNC along with the respective part of executive summary;

The consultant is responsible for the following deliverables:

|  |  |  |  |
| --- | --- | --- | --- |
| Deliverable / outputs | # of days per task | Due date | Percentage |
| 1. Detailed work-plan for V&A exercise on the basis of the overall project work plan developed
 | 3 | 15 Aug 2018 | 2.5 |
| 1. Stocktaking of vulnerability and sensitivity of the country to climate risks completed; Relevant data for sectoral V&A assessments collected; Stocktaking of all awareness raising, education and research on CC completed
 | 25 | 30 Oct 2018 | 20.8 |
| 1. In-depth vulnerability assessment of key socio-economic sectors completed
 | 30 | 30 Mar 2019 | 25 |
| 1. Adaptation measures identified and prioritized
 | 10 | 30 May 2019 | 8.3 |
| 1. Input to NDC completed
 | 10 | 30 Jun 2019 | 8.3 |
| 1. Pilot studies on climate change impacts in the health and sensitive ecosystems (mountain lakes) completed
 | 20 | 30 July 2019 | 16.7 |
| 1. Input for revision of Climate Change Adaptation and Low Emission Development Strategy
 | 7 | 30 Sept 2019 | 5.9 |
| 1. Draft chapter submitted for internal and external review
 | 10 | 30 Nov 2019 | 8.3 |
| 1. Final FNC input submitted
 | 5 | 28 Feb 2020 | 4.2 |

**Annex V: Revised Project Result Framework**

1. Project Results Framework:

|  |
| --- |
| **This project will contribute to the following Sustainable Development Goal (s):** SDG 13: Take urgent action to combat climate change and its impacts |
| **This project will contribute to the following country outcome included in the UNDAF/Country Programme Document:** *By 2019, legal and strategic framework enhanced and operationalized to ensure sustainable management of natural, cultural and energy resources* |
| **This project will be linked to the following output of the UNDP Strategic Plan:** *consult with the UNDP Country Office and the UNDP-GEF Regional Technical Advisor before selecting one of the following outputs. Delete the outputs copied below that are not selected. See opening section under further information for additional details.***Output 1.4: Scaled up action on climate change adaptation and mitigation cross sectors which is funded and implemented.** |

|  | **Objective and Outcome Indicators****(no more than a total of 15 -16 indicators)** | **Baseline****[[1]](#footnote-1)**  | **End of Project Target** | **Source of Verification** | **Assumptions[[2]](#footnote-2)** |
| --- | --- | --- | --- | --- | --- |
| **Project Objective:****To assist Bosnia and Herzegovina in the preparation of its fourth National Communication (FNC) and third Biennial Update Report (TBUR) for the implementation of the obligations under the United Nations Framework Convention for Climate Change** | Mandatory Indicator 1 and 2: 1.4.1.B.1.1 - Extent to which there is a strengthened system in place to access, deliver, monitor, report on and verify climate finance 1.4.2.A.1.1 - Extent to which implementation of comprehensive measures - plans, strategies, policies, programs and budgets – to achieve low-emission and climate-resilient development objectives has improved | *2017: 3= partially**2017: 3= have improved to a partial extent* | *2019: 4 = largely**2019: 4 = have improve to a large extent* | *Project documentation**Government reports**Government records**Expert review (NCSP)* | *Risk: Insufficient attention to climate change issues on the part of the government due to other pressing concerns will hinder project implementation. Risk rating: Low.**Assumption: political support and consensus for the NC process will continue.* |
| Mandatory indicator 3: # 50  | *2017: 30 experts from relevant ministries and agencies involved in preparation of TNC and SBUR* | *2019: 30 experts from relevant ministries and agencies involved in preparation of FNC and TBUR increased their knowledge and capacity on climate change monitoring and reporting* | *Project documentation**FNC and TBUR* | *Risk: Insufficient interest of responsible institutions to take part in the preparation of FNC and TBUR. Risk rating: Low**Assumption: political support and consensus for the NC process will continue.* |
| *Indicator 4: FNC and TBUR submitted to UNFCCC* | *BiH submitted its TNC and SBUR to UNFCCC Secretariat in June 2017* | *The FNC and TBUR will be endorsed and submitted to the UNFCCC.* | *UNFCCC documentation;* *government records* | *Risk: Insufficient attention to climate change issues on the part of the government due to other pressing concerns will hinder project implementation. Risk rating: Low.**Assumption: political support and consensus for the NC process will continue.* |
| **Component /Outcome[[3]](#footnote-3) 1: National Circumstances, Constraints and Gaps** | *Indicator 5: National circumstances and institutional arrangements relevant to the preparation of the national communications on a continuous basis assessed.* | *Basic information about BiH provided* | Chapter on national circumstances and institutional arrangements of the FNC has updated and strengthened data.  | *Project documentation**FNC and TBUR* | *Risk: Statistical agencies may be unwilling or unable to provide data in necessary areas. Risk rating: Medium* *Assumption: statistical agencies will be willing and able to share data with the project team*  |
| *Indicator 6: Progress towards mainstreaming of climate change considerations into key development strategies and sector-based policy frameworks assessed.* | *Description of institutional arrangements relevant to the preparation of the NCs*  | *Chapter on national circumstances and institutional arrangements of the FNC has updated and strengthened data.* *Cost-benefit analysis estimating potential costs for long-term adaptation (at least for water sector) and BAU, based on V&A assessment conducted.*  | *Project documentation**FNC and TBUR* | *Risk: Statistical agencies and relevant institutions may be unwilling or unable to provide data in necessary areas. Risk rating: Medium* *Assumption: statistical agencies and relevant institutions will be willing and able to share data with the project team.* |
| *Indicator 7: Progress updates on technology transfer; research and systematic observation; education, training, and public awareness; and international cooperation prepared.* | *Gaps identified in TNC* | *BiH Climate Change Adaptation and Low Emission Development Strategy updated; NDCs updated; FNC and TBUR;* *Training on negotiations for young professionals engaged in climate change organized.*  |  | *Risk: Statistical agencies and relevant institutions may be unwilling or unable to provide data in necessary areas. Risk rating: Medium* *Assumption: statistical agencies and relevant institutions will be willing and able to share data with the project team.* |
| *Indicator 8: Technology needs assessment upgraded* | *TNA developed within TNC* | *TNA upgraded* | *FNC* | *Risk: statistical agencies may be unwilling or unable to provide data in necessary areas. Risk rating: Medium.**Assumption: statistical agencies will be willing and able to share data on their emissions with the project team* |
| *Indicator 9: Targeted studies and stocktaking analysis on gender, awareness, education, and research on climate change conducted* | *Zero (0) studies on gender, awareness, education, and research on climate change conducted*  | *One (1) study on different gender roles in adaptation and mitigation interventions at the community level, policy formulation and decision-making process conducted* *- Section on other information, relevant for FNC and/or TBUR incorporation prepared* *- Interactive climate atlas according to the existing climate scenario (RCP8.5) developed.* | *Project documentation**TNC and TBUR* | *Risk: relevant institutions may be unwilling to provide data needed for the study. Risk rating: Low* *Assumption: relevant institutions will provide data needed for the study* |
| **Component / Outcome 2: National GHG Inventory** | *Indicator 10: GHG inventory up to year 2018 updated and GHG inventory system improved* | *Inventory for the period 1990-2013 carried conducted**Not all emissions from energy, industrial and waste sectors covered*  | *GHG data collection systematized, institutionalized within Federal and RS Hydrometeorological institutes**Emissions from oil refineries, aviation, railway and river transport, mineral extractions, solvents, waste waters etc. included in FNC.* | *Project documentation**Government reports**Expert review (NCSP)**FNC* | *Risk: enterprises may be unwilling or unable to provide data in necessary areas. Risk rating: Medium.**Assumption: enterprises and government agencies will be willing and able to share data on their emissions with the project team* |
| **Component / Outcome 3: Vulnerability assessment and adaptation (V&A)** | *Indicator 11: Strengthened V&A Team* | *Set of environmental indicators not established in BiH**Lack of data on flood and draught**Discussion of vulnerability and impacts in the SNC is primarily qualitative in nature**No studies on CC impact in tourism and health sectors* | *Environmental indicators established**Analysis of flood and data parameters conducted and incorporated into weather and disaster database**Inclusion of quantitative analysis of vulnerability and impacts* *Prioritization and analysis of adaptation measures included in the FNC**Pilot studies in tourism and health sectors undertaken.* | *Project documentation**Government reports**External expert review (NCSP)**FNC* | *Risk: lack of data related to CC impact; enterprises may be unwilling or unable to provide data in necessary areas. Risk rating: Medium.**Assumption: data related to CC impact, such as economic damage, flood and draught consequences can be calculated; enterprises and government agencies will be willing and able to share available data with the project team* |
| *Indicator 12: Updated and strengthened chapter on V&A* |
| **Component / Outcome 4: Mitigation and policy measures** | *Indicator 13: Updated and strengthened chapter on Mitigation*  | *Business as Usual scenario and two mitigation scenarios till 2050 developed under TNC project* *NAMA approving authority for BiH established* *NAMA for BiH created* | *In-depth vulnerability assessment, including recommended adaptation measures for priority sectors of socio-economic development and natural environment conducted; including risks of climate change, climate variability and extreme weather events**Updated list of NAMAs with quantitative and qualitative assessments of their potential impacts and relative importance.* | *Project documentation**UNFCCC NAMA registry**Government reports**Expert review (NCSP)**FNC* | *Risk: Government not able to reach agreement on NAMA approving process. Risk rating: Low.**Assumption: state and entity ministries agree on NAMA approving methodology.* |
| *Indicator 14: Information and support on development of NAMA, domestic MRV and national registry system* |
| **Component / Outcome 5: Monitoring, evaluation, and submission of FNC and TBUR** | *Indicator 15: FNC and TBUR submitted to UNFCCC* | *TNC and SBUR prepared, translated and edited, submitted and disseminated* | *FNC and TBUR prepared, translated and edited, submitted and disseminated* | *Project documentation**Government reports* | *Risk: Insufficient attention to climate change issues on the part of the government. Risk rating: Low.**Assumption: political support and consensus for the NC process will continue.* |

**Annex VI: Revised Multi Year Work Plan**

| **Task** | **Responsible Party** | **Year 1** | **Year 2** | **Year 3** | **Year 4** |
| --- | --- | --- | --- | --- | --- |
| Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 |
| 1.1. National circumstances and institutional arrangements relevant to the preparation of the national communications on a continuous basis updated and described. | *UNDP* |  | X | X | X |  |  |  |  |  |  |  |  |  |  |  |  |
| 1.2 Progress towards mainstreaming of climate change considerations into key development strategies and sector-based policy frameworks assessed | *UNDP* |  |  | X | X | X | X |  |  |  |  |  |  |  |  |  |  |
| 1.3 Constraints and gaps identified; financial, technology, policy and capacity building needs assessed and recommendation for addressing the needs provided | *UNDP* |  |  | X | X | X | X | X |  |  |  | X | X |  |  |  |  |
| 1.4. Other information relevant for the preparation of TBUR and 4NC consolidated. The interventions will be guided by the principles of Doha Work Program under Article 6 of the UN Framework Convention on Climate Change | *UNDP* |  |  | X | X | X | X |  |  |  |  |  |  |  |  |  |  |
| 2.1. Updated GHG inventory up to year 2018 and Improvement of GHG inventory system | *UNDP* |  |  | X | X | X | X |  |  | X | X | X |  |  |  |  |  |
| 3.1. In-depth vulnerability assessment, including recommended adaptation measures for priority sectors of socio-economic development and natural environment conducted; including risks of climate change, climate variability and extreme weather events | *UNDP* |  |  |  |  | X | X | X |  |  |  | X | X |  |  |  |  |
| 4.1. Using best practices and latest INDC, assessment of sectors and interventions contributing to GHG emission reduction at the national level conducted | *UNDP* |  | X | X | X |  |  |  |  |  | X | X | X |  |  |  |  |
| 4.2 Establishment of domestic Measurement, Reporting and Verification system supported | *UNDP* | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 5.1. TBUR compiled, translated, approved by the Council of Ministers and submitted to UNFCCC  | *UNDP* |  |  |  |  |  |  |  |  |  | X | X | X | X |  |  |  |
| 5.2. 4NC compiled, translated, approved by the Council of Ministers and submitted to UNFCCC | *UNDP* |  |  |  |  | X | X | X | X | X |  |  |  |  |  |  |  |
| 5.3. Project regularly monitored, financial audit conducted, and lessons learned compiled | *UNDP* | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |

**Annex VII: Revised Annual Work Plan**

Please see attached Annex II, as a separate document.

1. Baseline, mid-term and end of project target levels must be expressed in the same neutral unit of analysis as the corresponding indicator. Baseline is the current/original status or condition and need to be quantified. The baseline must be established before the project document is submitted to the GEF for final approval. The baseline values will be used to measure the success of the project through implementation monitoring and evaluation. [↑](#footnote-ref-1)
2. Risks must be outlined in the Feasibility section of this project document. [↑](#footnote-ref-2)
3. Outcomes are short to medium term results that the project makes a contribution towards, and that are designed to help achieve the longer term objective. Achievement of outcomes will be influenced both by project outputs and additional factors that may be outside the direct control of the project. [↑](#footnote-ref-3)