



**GHANA
Initiation Plan**

Project Title: Preparation of a HCFC phase-out management plan (stage II)

Expected UNSDP Outcome

Outcome 5: Environmental governance at national and local levels is effective, efficient and coherent

Expected UNSDP Output

Output 5.1: National and sub-national institutions have greater capability to implement environment- and climate-related policies in line with global conventions

Expected CPD Output(s): Output 1.2: National institutions enabled to implement coherent policy and regulatory frameworks for conservation, sustainable use, access to and benefit-sharing of environmental resources in line with international conventions

Initiation Plan Start/End Dates: July 2019 to December 2019

Implementing Partner: UNDP

Brief Description

The Montreal Protocol on Substances that Deplete the Ozone Layer of which Ghana is a signatory to was designed to reduce the production and consumption of ozone depleting substances such as Hydrochlorofluorocarbons (HCFCs), to reduce their abundance in the atmosphere, and thereby protect the earth's fragile ozone Layer.

Ghana's consumption of HCFCs is in the servicing of refrigeration and air conditioning equipment. Historically, Ghana has consumed significant quantities of HCFC-22 used to repair and service residential, commercial and industrial refrigeration and air conditioning equipment. Following the phase-out of the consumption of CFCs in the domestic and commercial refrigeration equipment, significant quantities of HCFC-containing blends have been introduced and their use continues to grow. It has therefore become imperative that strategic measures are taken to reduce and eliminate the use of such ODS containing equipment from the Ghanaian market to protect the climate and to ensure Ghana's compliance with the Montreal Protocol of which it is a signatory to.

As part of the implementation of the HPMP Stage 1, key results achieved includes the following: establishment of legislation for effective HCFC phase-out; establishment of three refrigeration centres of excellence to provide training services to refrigeration practitioners; certification of eleven centres to safely convert AC equipment from HCFCs to Hydrocarbon alternatives and the establishment of an incentive programme for end users to retrofit their facilities to HCFC alternatives.

Through the key interventions, Ghana's consumption of HCFCs has experienced a progressive and regular decrease since 2010, which has allowed the country to remain in compliance with its Montreal Protocol obligations regarding HCFCs.

There are still however some levels of ODS (HCFC 22 and HCFC142b) consumption especially in the servicing sector that requires further monitoring. The Preparatory survey for the HPMP Stage 2 is therefore designed to conduct further analysis on the consumption and trends in the servicing sector and the main actors involved. The PRP shall further review the initial HPMP strategy and amend it based on the outcome of Stage 1. It will analyse the necessary support to be brought in order to implement a functional certification system for refrigeration technicians in Ghana. An analysis of the specific phase-out targets by substance will also be conducted, in order to meet upcoming obligations. The expected output from this project will be the HPMP Stage 2 Strategy documents.

Programme Period:	2019
Atlas Project Number:	0060740

Total resources required	\$60,000
Total allocated resources:	\$60,000
Donor	Multilateral Fund

Agreed by UNDP: 

I. PURPOSE AND EXPECTED OUTPUT

The Purpose of this project is to conduct surveys and assessments for the collection of relevant data needed for strategizing for the HPMP Stage 2 implementation. More specifically, the assessment shall focus on the HCFC consumption trends in the refrigeration servicing sector as well as the outcomes of the HPMP Stage 1 implementation strategy. It is expected that recommendations will be proffered for the determination of the phaseout targets in the Stage 2 of the HPMP. The expected output from this project will be the HPMP Stage 2 Strategy documents. This will be a major step in ensuring Ghana's continuous compliance with the Montreal Protocol through specific activities design to reduce the consumption of Ozone depleting substances in the country.

II. MANAGEMENT ARRANGEMENTS

The Initiation Plan will be implemented using the Direct Implementation Modality and in line with UNDP's Programme and Operations Policies and Procedures. The Country Office will however work in close collaboration with the National Ozone Unit of the Environmental Protection Agency, who will play an active role in the project implementation and identifying and reaching out to stakeholders. The National Ozone Unit in collaboration with other national stakeholders shall collaborate to ensure that adequate data is collected and assessed through wide stakeholder engagements to inform decision making on Ghana's HPMP Stage 2.

To ensure cost effectiveness, the infrastructure and human resources of each governmental counterpart involved in the project will be efficiently utilized. This will not only result in reduced implementation costs but will also enhance the national capacity to manage Ghana's HPMP.

UNDP through its Ghana Country office and the Montreal Protocol and Chemicals Unit shall provide technical, financial and administrative support to enhance the efficient and effective implementation of projects to ensure compliance with the Montreal Protocol.

The outputs of this project will be reviewed by the National Committee on Ozone Depleting Substances (NACODS) which serves as the governing board for all ODS-related projects. The Committee has representation from key Government institutions, Non-governmental Organizations (NGOs) and user organizations and is chaired by the Executive Director of the Environmental Protection Agency.

III. MONITORING

Project monitoring and evaluation will be conducted in accordance with established UNDP procedures and will be provided by the project team and the UNDP Country Office (UNDP-CO) with support from the UNDP/MPU Chemicals team and in collaboration with EPA. This will allow parties to take stock and to troubleshoot any problems pertaining to the project in a timely fashion to ensure smooth implementation of project activities.

End of Project

During the last three months, the project team will prepare the Initiation Phase Report. This report will summarize the results achieved (objectives, outcomes, outputs), lessons learnt, 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 HPMP Stage 2 project's results.

