



**Programa de las  
Naciones Unidas  
para el Medio Ambiente**

Distr.  
GENERAL

UNEP/OzL.Pro/ExCom/86/28  
16 de febrero de 2021

ESPAÑOL  
ORIGINAL: INGLÉS

COMITÉ EJECUTIVO DEL FONDO MULTILATERAL  
PARA LA APLICACIÓN DEL  
PROTOCOLO DE MONTREAL  
Octogésima sexta Reunión  
Montreal, 2-6 de noviembre de 2020  
Pospuesta al 8-12 de marzo de 2021<sup>1</sup>

**PLAN ADMINISTRATIVO DEL PNUMA PARA 2021-2023**

1. El presente documento expone el plan administrativo del PNUMA para el período 2021-2023.<sup>2</sup> Incluye las actividades de eliminación de sustancias controladas por el Protocolo de Montreal previstas para el período, indicadores de desempeño, una consulta sobre políticas a seguir, una recomendación que somete a la consideración del Comité Ejecutivo, y la glosa del plan administrativo.

**Actividades previstas para el período 2021-2023**

2. El Cuadro 1 muestra para cada año el valor de las actividades consignadas en el plan administrativo del PNUMA.

<sup>1</sup> Debido al coronavirus (Covid-19).

<sup>2</sup> Las dificultades impuestas por la pandemia del Covid-19 obligaron a tratar las observaciones de la Secretaría sobre la presentación inicial del plan administrativo del PNUMA para el período por medio de conversaciones bilaterales y del intercambio de numerosos mensajes electrónicos. Todos los temas fueron resueltos de manera satisfactoria.

**Cuadro 1. Plan administrativo PNUMA 2021-2023 - Asignación de recursos según solicitud original (miles de \$EUA)\***

Detalle	2021	2022	2023	Total (2021-2023)	Total posterior a 2023
<b>Actividades HCFC</b>					
Planes de gestión para la eliminación de HCFC (PGEH) aprobados	3.633	3.387	4.032	11.052	14.836
Preparación de proyectos PGEH, etapa II	102	28	0	130	34
PGEH, etapa II	3.646	1.310	1.491	6.447	9.033
Preparación de proyectos PGEH, etapa III	0	0	23	23	0
PGEH, etapa III	97	624	78	799	1.630
Asistencia técnica	509	0	0	509	0
<b>Subtotal actividades HCFC</b>	<b>7.986</b>	<b>5.349</b>	<b>5.623</b>	<b>18.959</b>	<b>25.532</b>
<b>Actividades relativas a los HFC</b>					
Proyectos piloto	57	0	0	57	0
Actividades de apoyo	268	214	0	482	0
Preparación de proyectos de reducción de los HFC	2.737	1.701	0	4.438	0
Asistencia técnica	0	678	0	678	678
<b>Subtotal actividades relativas a los HFC</b>	<b>3.061</b>	<b>2.593</b>	<b>0</b>	<b>5.654</b>	<b>678</b>
<b>Actividades corrientes</b>					
Fortalecimiento institucional	8.522	3.255	8.522	20.298	0
Programa de Asistencia al Cumplimiento (PAC)	11.095	11.428	11.771	34.294	0
<b>Subtotal actividades corrientes</b>	<b>19.617</b>	<b>14.683</b>	<b>20.292</b>	<b>54.592</b>	<b>0</b>
<b>Total</b>	<b>30.664</b>	<b>22.625</b>	<b>25.916</b>	<b>79.205</b>	<b>26.210</b>

\* Incluye los correspondientes gastos de apoyo.

**Observaciones de la Secretaría**Planes de gestión, Etapa II

3. El financiamiento total necesario para reducir el consumo base de HCFC en países de bajo consumo durante la etapa II del PGEH asciende a 6.38 millones de \$EUA para una reducción del 67,5% (contempla 2.29 millones de \$EUA para el período 2021-2023) y a 1.06 millones de \$EUA para una reducción del 100% (contempla 514.149 \$EUA para dicho período).

4. En países de alto consumo, el financiamiento total para la etapa II de los PGEH asciende a 8.04 millones de \$EUA (contempla 3.65 millones de \$EUA para el período 2021-2023).

Etapa III de los PGEH

5. El plan administrativo para la etapa III de los PGEH contempla un total de 2.43 millones de \$EUA para cuatro países (Armenia, Omán, Pakistán y la República de Moldova) (799.033 \$EUA para el período 2021-2023). La inclusión en el plan administrativo de la etapa III se permite únicamente para países con una etapa II aprobada y con objetivos de reducción menores a las metas de cumplimiento para el año 2025 (decisión 84/46 e)).

HCFC - Proyecto regional de asistencia técnica

6. El PNUMA contempla un proyecto regional de asistencia técnica en HCFC destinado a la “promoción de refrigerantes de bajo potencial de calentamiento atmosférico en el sector climatización en países de alta temperatura ambiente (PRAHA-III),” por la suma de 508.500 \$EUA en el año 2021. No obstante, hasta el momento no existe una ventana de financiamiento para este proyecto piloto.

### Actividades relativas a los HFC

7. Se contempla una actividad piloto en Egipto por 56.500 \$EUA para el 2021, actividades de apoyo por 481.500 \$EUA en 2021-2022 en tres países (Antigua y Barbuda, República Centroafricana y la India), una actividad de asistencia técnica por 1.36 millones de \$EUA (678.000 \$EUA en 2021-2023) y preparación<sup>3</sup> de planes de reducción de los HFC en 48 países por 4.44 millones de \$EUA en 2021 y 2022.
8. El plan administrativo de la ONUDI para el período 2021-2023 contempla un proyecto de inversión para convertir una línea de producción en una fábrica de compresores (ZMC) en Egipto. El PNUMA, en tanto, contempla un componente sin inversión relativo a definición de políticas y evaluación de mercado, el que de conformidad con la decisión 78/3 g) no es admisible.
9. Los tres países para los cuales se contemplan actividades de apoyo han presentado las correspondientes notas manifestando la disposición de sus gobiernos a hacer lo posible por ratificar la Enmienda de Kigali a la brevedad, conforme a lo dispuesto en la decisión 79/46 d) i).
10. Quince de los 48 países para los cuales se contemplan actividades preparatorias para la reducción de HFC no han ratificado la Enmienda de Kigali pero han presentado las correspondientes notas manifestando la disposición de sus gobiernos a procurar su pronta ratificación.
11. El PNUMA contempla un proyecto de asistencia técnica global en HFC denominado “Coordinación de encargados de oficinas del ozono y autoridades energéticas nacionales en pro de los objetivos de la Enmienda de Kigali”, proyecto que no obstante no es admisible para financiamiento.

### Programa de Asistencia al Cumplimiento

12. Se prevé que los costos del PAC aumenten a razón del 3% al año, según lo convenido por el Comité Ejecutivo. El financiamiento total asciende a 34.29 millones de \$EUA para el período 2021-2023. El presupuesto para el año 2021 se autorizó durante el proceso de aprobación entre sesiones establecido para la 86ª reunión.<sup>4</sup>

### **Ajustes propuestos por la Secretaría**

13. El plan administrativo del PNUMA para el período 2021-2023 se ajustó sobre la base de las decisiones del Comité Ejecutivo al respecto. Más adelante podrán requerirse nuevos ajustes, según lo que decidan las Partes en cuanto al nivel de reposición de recursos del Fondo para el trienio 2021-2023.<sup>5</sup>
14. Al revisar el texto modificado del plan administrativo del PNUMA para el período 2021-2023, la Secretaría hizo notar la omisión de los siguientes ajustes:

<sup>3</sup> La fecha más temprana en que se podría empezar a financiar la preparación de planes nacionales destinados a cumplir con las primeras obligaciones de reducción de HFC sería cinco años antes, una vez que el país haya ratificado la Enmienda de Kigali y en base a las pautas que se aprobarán a futuro (decisión 79/46 b) iii)). Además, la decisión 84/46 f) permite incluir en el plan administrativo las actividades de preparación para la reducción de los HFC en países que, no habiendo ratificado la Enmienda de Kigali, han hecho llegar una nota manifestando la disposición del respectivo gobierno de procurar su pronta ratificación.

<sup>4</sup> UNEP/OzL.Pro/ExCom/86/36.

<sup>5</sup> A falta de una decisión de las Partes sobre el nivel de reposición de recursos del Fondo para el trienio 2021-2023, y a la luz de la decisión XXXII/1, la asignación de recursos del plan administrativo para el período 2021-2023 se equiparó al nivel del trienio 2018-2020. Esta materia se aborda en el documento UNEP/OzL.Pro/ExCom/86/25.

**Cuadro 2. Ajustes al plan administrativo del PNUMA para el período 2021-2023 (miles de \$EUA)**

Ajuste	2021-2023	Posterior al 2023
Valores de PGEH según los montos reales aprobados en los Acuerdos	0	(0.004)
Etapa II del PGEH en países de bajo consumo al valor máximo permitido para lograr reducciones del 67,5% o del 100% sobre la base de comparación con arreglo a la decisión 74/50 c) xii)	(5)	(13)
Preparación de proyectos para la etapa III de los PGEH, con arreglo a la decisión 84/46 e)	(11)	0
Asistencia técnica	(509)	0
Proyectos piloto HFC	(57)	0
Preparación de proyectos de reducción de los HFC con arreglo a la decisión 56/16 c)	(404)	0
Asistencia técnica HFC	(678)	(678)
Proyecto de fortalecimiento institucional para la República Popular Democrática de Corea, con arreglo a la decisión 80/34 c) iii)b	(333)	0

15. El Cuadro 3 muestra el resultado de los ajustes propuestos por la Secretaría al plan administrativo del PNUMA para el período 2021-2023, materia que se analiza además en el plan administrativo refundido del Fondo Multilateral para dicho período.<sup>6</sup>

**Cuadro 3. Asignación de recursos - Plan administrativo 2021-2023 ajustado (miles de \$EUA)\***

Detalle	2021	2022	2023	Total (2021-2023)	Total posterior a 2023
<b>Actividades HCFC</b>					
PGEH aprobados	3.633	3.387	4.032	11.052	14.836
Preparación de proyectos PGEH, etapa II	102	28	0	130	34
PGEH, etapa II	3.643	1.308	1.491	6.441	9.020
Preparación de proyectos PGEH, etapa III	0	0	11	11	0
PGEH, etapa III	97	624	78	799	1.630
Asistencia técnica	0	0	0	0	0
<b>Subtotal actividades HCFC</b>	<b>7.474</b>	<b>5.347</b>	<b>5.612</b>	<b>18.434</b>	<b>25.519</b>
<b>Actividades relativas a los HFC</b>					
Proyectos piloto	0	0	0	0	0
Actividades de apoyo	268	214	0	482	0
Preparación de proyectos de reducción de los HFC	2.458	1.576	0	4.034	0
Asistencia técnica	0	0	0	0	0
<b>Subtotal actividades relativas a los HFC</b>	<b>2.725</b>	<b>1.790</b>	<b>0</b>	<b>4.515</b>	<b>0</b>
<b>Actividades corrientes</b>					
Fortalecimiento institucional	8.355	3.255	8.355	19.965	0
PAC	11.095	11.428	11.771	34.294	0
<b>Subtotal actividades corrientes</b>	<b>19.450</b>	<b>14.683</b>	<b>20.126</b>	<b>54.259</b>	<b>0</b>
<b>Total</b>	<b>29.650</b>	<b>21.820</b>	<b>25.738</b>	<b>77.208</b>	<b>25.519</b>

\* Incluye los correspondientes gastos de apoyo.

### Indicadores de desempeño

16. De conformidad con la decisión 71/28, la glosa del plan administrativo incluye indicadores de desempeño. El PNUMA fue informado por la Secretaría sobre los objetivos que muestra el Cuadro 4.

<sup>6</sup> UNEP/OzL.Pro/ExCom/86/25.

**Cuadro 4. Indicadores de desempeño para el PNUMA, año 2021**

Indicador	Descripción	Criterio	Objetivo 2021
Planificación-- Aprobación	Tramos aprobados	Número de tramos aprobados respecto de lo previsto*	69
Planificación-- Aprobación	Proyectos/actividades aprobadas	Número de proyectos/actividades aprobadas respecto de lo previsto (incluye preparación de proyectos)**	112
Ejecución	Fondos desembolsados	Según lo estimado en el informe de avance	20.561.656 \$EUA
Ejecución	Eliminación de SAO	Eliminación de SAO para el tramo al momento de aprobarse el siguiente, respecto de lo previsto en los planes administrativos	87.68 toneladas PAO
Ejecución	Finalización de las actividades proyectadas	Avance de los proyectos respecto de lo previsto en los informes de avance para todas las actividades (salvo las de preparación de proyectos)	104
Administrativo	Diligencia en el cierre financiero	Nivel de cierre financiero de los proyectos 12 meses después de finalizados	14 meses
Administrativo	Entrega oportuna de informes de finalización de proyecto	Entrega de informes de finalización de proyecto respecto de los plazos convenidos	A tiempo (7)
Administrativo	Entrega oportuna de informes de avance	Entrega oportuna de informes de avance, planes administrativos y respuestas, salvo acuerdo en contrario	A tiempo

\* Los objetivos de un organismo se podrán reducir cuando éste se vea imposibilitado de presentar un tramo por motivos imputables a otro organismo principal o de cooperación, siempre que este último esté de acuerdo.

\*\* No se evalúa la preparación de proyectos sin una decisión del Comité Ejecutivo en cuanto a su financiamiento.

17. El Cuadro 5 presenta los indicadores de desempeño del PAC adoptados en la decisión 48/7 e).

**Cuadro 5: Indicadores de desempeño para el PAC del PNUMA, año 2021**

Indicador	Dato	Evaluación	Objetivo para 2021
Seguimiento eficiente de las reuniones de redes regionales o temáticas	Lista de recomendaciones emanadas de reuniones de redes regionales o temáticas durante el período 2018-2019	Nivel de ejecución de las recomendaciones a implementar durante el año 2020	Nivel de ejecución del 90%
Apoyo eficaz a la labor de las ONO, principalmente en materia de orientar a nuevas ONO	Lista de formas, medios, productos y servicios innovadores para apoyar a las ONO en su labor, precisando los destinados a nuevas ONO	Número de formas, medios, productos y servicios innovadores para apoyar a las ONO en su labor, precisando los destinados a nuevas ONO	-7 de tales formas, medios, productos y servicios; - Apoyar en fortalecimiento de capacidades a todas las nuevas ONO
Asistencia a países en riesgo real o potencial de incumplimiento (conforme a las decisiones de la Reunión de las Partes y/o a lo informado en virtud del Artículo 7 y a un análisis de tendencias)	Lista de países en riesgo real o potencial de incumplimiento que recibieron ayuda del PAC fuera del marco de las reuniones de red	Número de países en riesgo real o potencial de incumplimiento que recibieron ayuda del PAC fuera del marco de las reuniones de red	Cada país en tal situación
Innovaciones en la producción y entrega de productos y servicios de información global y regional	Lista de productos y servicios de información global y regional destinados a nuevos públicos o que llegan a los actuales de nuevas formas	Número de productos y servicios de información global y regional destinados a nuevos públicos o que llegan a los actuales de nuevas formas	7 de tales productos y servicios
Estrecha colaboración entre equipos regionales PAC y organismos bilaterales y de ejecución que operan en las regiones	Lista de misiones o tareas conjuntas emprendidas por los equipos regionales PAC y los organismos bilaterales y de ejecución	Número de misiones o tareas conjuntas	Actividad suspendida durante la pandemia debido a restricciones impuestas por la ONU y las autoridades nacionales

**Política a seguir**

18. El PNUMA solicita la orientación del Comité Ejecutivo en cuanto a la admisibilidad y las pautas de preparación de los planes nacionales de reducción de los HFC.

**RECOMENDACIÓN**

19. El Comité Ejecutivo podrá estimar oportuno:

- a) Tomar nota del plan administrativo del PNUMA para el período 2021-2023, recogido en el documento UNEP/OzL.Pro/ExCom/86/28; y
- b) Aprobar los indicadores de desempeño para el PNUMA expuestos en los Cuadros 4 y 5 del documento UNEP/OzL.Pro/ExCom/86/28.

# **UNITED NATIONS ENVIRONMENT PROGRAMME**

## **2021-2023 BUSINESS PLAN**

PRESENTED TO THE  
86<sup>TH</sup> MEETING OF THE EXECUTIVE COMMITTEE  
OF THE MULTILATERAL FUND FOR THE IMPLEMENTATION  
OF THE MONTREAL PROTOCOL

20 JANUARY 2021



## TABLE OF CONTENTS

<b>EXECUTIVE SUMMARY .....</b>	<b>2</b>
<b>I. METHODOLOGY.....</b>	<b>3</b>
<b>II. MULTILATERAL FUND TARGETS .....</b>	<b>4</b>
<b>A. OBJECTIVES OF THE THREE-YEAR BUSINESS PLAN.....</b>	<b>4</b>
<b>B. RESOURCE ALLOCATION .....</b>	<b>4</b>
<b>III. PLANNED BUSINESS PLAN ACTIVITIES.....</b>	<b>5</b>
<b>A. NATIONAL LEVEL .....</b>	<b>5</b>
<b>B. REGIONAL LEVEL .....</b>	<b>6</b>
<b>C. GLOBAL LEVEL.....</b>	<b>6</b>
<b>D. NEW PROJECT TYPES .....</b>	<b>6</b>
<b>IV. PERFORMANCE INDICATORS.....</b>	<b>7</b>
<b>V. POLICY, ADMINISTRATIVE AND FINANCIAL ISSUES .....</b>	<b>8</b>
<b>Annex 1 Promoting Low-GWP Refrigerants for Air-Conditioning Sectors in High Ambient Temperature Countries (PRAHA-III) .....</b>	<b>10</b>
<b>Annex 2 Twinning of Ozone Officers and National Energy Policymakers to support Kigali Amendment Objectives.....</b>	<b>13</b>



## EXECUTIVE SUMMARY

The United Nations Environment Programme (UNEP) is submitting this document for the consideration of the 86<sup>th</sup> meeting of the Executive Committee of the Multilateral Fund for the Implementation of the Montreal Protocol. The document presents UNEP's rolling three-year Business Plan for its Montreal Protocol-related activities covering the years 2021-2023. It comprises:

- Narrative.
- Annex in excel: Projects planned for submission.

The focus and orientation of UNEP's work under this Business Plan continues to be defined by the evolving needs of countries operating under Article 5 of the Protocol ("Article 5 countries") as they progress in their implementation of the Montreal Protocol, and as they meet and sustain compliance with specific obligations. Through the activities identified in this Business Plan, UNEP will assist the countries with implementing their hydrochlorofluorocarbon (HCFC) phase-out responsibilities including preparing for the 2025 target and subsequent total phase out, strengthening the government institutions in Article 5 countries responsible for implementing and reporting on their national strategies to comply with the Montreal Protocol, and sustaining Article 5 countries' compliance with ozone depleting substance (ODS) phase out targets already met. This Business Plan will also assist Article 5 countries to ratify the Kigali Amendment as soon as possible and support activities that the countries need to meet their first obligations under the Amendment once they ratify. In relation to this, UNEP included funding in this Business Plan for the preparation of national implementation plans to meet initial reduction obligations for the phase-down of hydrofluorocarbons (HFCs) in accordance with Executive Committee decision 79/46.

This 2021-2023 Business Plan was developed during the unprecedented COVID-19 pandemic, which began in early 2020 and is still continuing. All members of the Montreal Protocol family, including the National Ozone Units (NOUs) and the Implementing Agencies, face continuing challenges associated with the virus. Health regulations, travel restrictions, social distancing requirements, teleworking, and macroeconomic impacts have affected every aspect of this collective work, including *inter alia* data collection, project implementation, project submissions, physical meetings, and missions. Despite these daunting challenges, all Article 5 countries continue to demonstrate high-level commitment to implement the Montreal Protocol and a considerable number of projects and activities have progressed.

UNEP will apply the lessons it learned during its experience in 2020 assisting Article 5 countries under COVID-19 conditions to the future projects presented in this Business Plan. This includes provision of more online operations (e.g. virtual meetings, webinars, distance training, e-learning and digital platforms), increased communication with Ozone Officers, additional information products and services, backloading of physical meetings to the latter part of the implementation period, and collaborating with the Multilateral Secretariat and sister Implementing Agencies to identify alternative approaches to deliver projects and activities during COVID-19 conditions. UNEP will mitigate the impacts of COVID-19 on its work through a dynamic response that includes contingency planning, redesign of activities, and appropriate scheduling of work at the international, regional and national levels.

UNEP will achieve its Business Plan objectives by a combination of compliance assistance services delivered through the 2021 Compliance Assistance Programme (CAP),<sup>1</sup> as well as the ongoing and planned national, regional and global projects detailed in this document. The project types include:

- Preparation and implementation of HCFC Phase out Management Plans (HPMPs) for both Stages II and III;
- Institutional Strengthening projects;
- Technical assistance projects;
- Demonstration project;
- Enabling Activities projects;
- Preparation requests for HFC phase down national implementation plans.

In addition to the anticipated Business Plan activities, UNEP will implement HPMP verification projects as and when requested by the Executive Committee during 2021-2023.

UNEP will deliver the projects in this Business Plan and perform the project development, monitoring and reporting duties required of all Implementing Agencies through the proposed 2021 CAP Work Programme. In addition to the projects detailed in this Business Plan, UNEP continues to assist several bilateral agencies with the implementation of their Multilateral Fund projects through CAP and also engages in select partnerships for Montreal Protocol objectives complementary to the Multilateral Fund (including projects and activities).<sup>2</sup>

UNEP is planning project submissions over the next three years as follows: US\$ 30,664,260 for 2021, US\$ 22,624,797 for 2022, and US\$ 25,915,874 for 2023, all inclusive of the respective annual CAP budgets and programme support costs (PSC).

For 2021, UNEP will prepare and submit 182 individual projects to the Executive Committee, including new projects, planned tranches of previously approved multi-year agreements (MYAs), and the annual CAP Work Programme and Budget for the year 2022.

## **I. METHODOLOGY**

This section describes the methodology, consultations, guidance and inputs UNEP used when developing this Business Plan. UNEP has:

---

<sup>1</sup> In addition to the projects indicated in this Business Plan, during 2021 UNEP will also provide through its CAP country-specific special compliance services, the operation of 10 Regional/sub-Regional Networks of Ozone Officers, facilitation of South-South cooperation, assistance with regional awareness activities, and provision of a global tools and products that provides National Ozone Units with services that contribute towards HCFC phase out and HFC phase down.

<sup>2</sup> This Business Plan provides details about the individual *projects* proposed for UNEP's implementation from 2021 through 2023. UNEP will report details on its performance with implementing the projects through its UN Environment's Annual and Financial Progress Report. For details about *non-project-related* activities and services delivered by UNEP through the CAP, please refer to the 2021 CAP Work Programme and Budget.

- Consulted with National Ozone Officers in Article 5 countries during the year of 2020 on their countries' business planning needs, through direct contacts with Ozone Officers using electronic platforms.
- Reviewed and drawn on experiences gained from implementation of its 2020-2022 Business Plan,<sup>3</sup> taking into account new trends and emerging developments.
- Considered the programmatic direction and activities included in its approved 2020 and 2021 CAP Work Programme and Budget.<sup>4</sup>
- Followed the guidance provided by the Multilateral Fund Secretariat during the last Inter-Agency Coordination Meeting in 2020 (25 – 27 February).
- Consulted with the other Implementing Agencies and bilateral agencies to increase collaborative and mutually-supportive initiatives and to avoid duplication of effort.
- Considered applicable Executive Committee decisions as guidance for this Business Plan.

## **II. MULTILATERAL FUND TARGETS**

### **A. OBJECTIVES OF THE THREE-YEAR BUSINESS PLAN**

The focus and orientation of UNEP's work continues to be defined by the evolving needs of Article 5 countries as they progress in their implementation of the Montreal Protocol, as they meet and sustain compliance with specific obligations, and to support them with ratification of the Kigali Amendment and laying the groundwork for its future implementation.

This Business Plan also supports the objectives set forth in the approved *2021-2023 Compliance Assistance Programme Strategy*,<sup>5</sup> which details UNEP's vision and approach for CAP for this period and is synchronized with the period covered by this Business Plan. Under the strategy, UNEP will provide assistance to Article 5 countries according to four Overarching Objectives:

1. Assisting National Ozone Units and strengthening national Montreal Protocol frameworks;
2. Assisting Article 5 countries to comply with their HCFC phase-out commitments and sustaining compliance with prior targets;
3. Strengthening the refrigeration servicing sector for ozone- and climate-friendly alternatives; and
4. Promoting ratification of the Kigali Amendment and supporting implementation of the HFC phase-down.

### **B. RESOURCE ALLOCATION**

During this Business Plan period, UNEP plans to prepare and submit for approval the projects as detailed in excel annex: Projects planned for submission 2021-2023. UNEP's proposed resource allocation plan for these projects is as follows:

---

<sup>3</sup> UNEP/OzL.Pro/ExCom/84/29.

<sup>4</sup> UNEP/OzL.Pro/ExCom/84/37 and UNEP/OzL.Pro/ExCom/86/36

<sup>5</sup> UNEP/OzL.Pro/ExCom/86/36.

Project	Type	Value (US\$ inclusive of PSC)			Total 2021-2023
		2021	2022	2023	
HPMP Stage I implementation	PHA	1,743,273	740,726	0	2,483,999
HPMP Stage II preparation	PRP	101,700	28,250	0	129,950
HPMP Stage II implementation	PHA	5,535,430	3,956,488	5,397,489	14,889,407
HPMP Stage III preparation	PRP	0	0	22,600	22,600
HPMP Stage III implementation	PHA	97,241	623,999	203,404	924,644
HFC phase down national implementation plan preparation	PRP	2,737,425	1,700,650	0	4,438,075
Enabling Activities	TAS	267,500	214,000	0	481,500
Institutional Strengthening	INS	8,521,613	3,254,754	8,521,613	20,297,980
Technical assistance	TAS	508,500	678,000	0	1,186,500
Demonstration projects	DEM	56,500	0	0	56,500
Compliance Assistance Programme	TAS	11,095,078	11,427,930	11,770,768	34,293,776
<b>Grand total</b>		<b>30,664,260</b>	<b>22,624,797</b>	<b>25,915,874</b>	<b>79,204,931</b>

### III. PLANNED BUSINESS PLAN ACTIVITIES

This section describes costed projects at the national, regional and global levels in the 2021-2023 period proposed by UNEP. All projects are included in excel Annex.

#### A. NATIONAL LEVEL

Through this Business Plan, UNEP will deliver the following projects at the national level:

- HPMP project preparation and implementation. UNEP will assist Article 5 countries with Stage II and Stage III preparation in accordance with Executive Committee policies and guidelines. UNEP will also assist countries with the implementation of the non-investment components of the HPMPs (Stages I, II and III) in cooperation with other Implementing Agencies and bilateral partners.
- Institutional Strengthening (IS) projects. UNEP provides 105 countries with ongoing technical assistance and administrative support for the implementation of their IS projects, including the submission of IS renewals and assistance with activities covered by these projects. UNEP will submit such projects as per the appropriate timing and when all the necessary pre-conditions have been met (e.g. disbursement rate, reporting obligations). This service is performed as part of CAP services, with UNEP earning 0% PSC for these projects.
- Enabling Activities. This Business Plan includes three Enabling Activities projects as per Executive Committee Decision 79/46(d)(iv). In line with that decision, the proposed projects will facilitate and support the concerned Article 5 countries to ratify the Kigali Amendment as soon as

possible and to support activities they need to meet their first obligations under the Kigali Amendment after ratification.

- Preparation of HFC phase down national implementation plans. UNEP included funding for the preparation of national implementation plans to meet initial reduction obligations for the phase-down of HFCs according to the Executive Committee decision 79/46. For Business Planning purposes only, UNEP used the guidelines for HPMP Stage I project preparation as the basis for determining the funding eligibility for HFC phase-down project preparation as per Executive Committee decision 56/16(c). UNEP seeks guidance from the Executive Committee on this matter.
- Demonstration project component. UNEP has included one activity related to a demonstration conversion project for the Egyptian ZMC compressor manufacturing company. UNIDO is the Lead Agency and UNEP is the Cooperating Agency for this project, which will convert one production line from HFC-134a to HC-600a. UNEP will be responsible for the non-investment component related to policy preparation and assessment of market readiness.

## **B. REGIONAL LEVEL**

Through this Business Plan, UNEP plans to deliver the following projects at the regional level:

- Regional HPMP Stage II for 12 Pacific Islands. This project supports the Cook Islands, Kiribati, Marshall Islands, Federated States of Micronesia, Nauru, Niue, Palau, Samoa, Solomon Islands, Tonga, Tuvalu and Vanuatu.

## **C. GLOBAL LEVEL**

- Promoting Low-Global Warming Potential Refrigerants for Air-Conditioning Sectors in High Ambient Temperature Countries (PRAHA-III). Building on the key findings and recommendations from the successful PRAHA-II project, UNEP proposes to undertake the PRAHA-III technical assistance project that will develop, inter alia (a) a tailored Risk Assessment model to help Article 5 countries better understanding the safety implications associated with deploying alternative refrigerants, either A2L or A3, considering the specifics of different types of equipment and life stages (b) a Deployment Plan for Market Acceptance for advancing lower global warming potential (GWP) alternative refrigerants and leapfrogging higher-GWP, which will be especially critical during 2020-2030 when there will be overlapped compliance commitments (c) Model enforceable refrigerant/RAC and/or updated building codes to help secure the market acceptance of A2L and A3 alternative refrigerants. Annex 1 provides further details.
- Twinning of Ozone Officers and National Energy Policymakers to support Kigali Amendment Objectives. Building on experience gained from another successful project outside of the Multilateral Fund, UNEP proposes to support the Kigali Amendment's climate protection aspirations by enabling NOUs and National Energy Policymakers to meet every other year at the regional level to share experiences, coordinate policies, and identify joint activities that will further the ozone-energy efficiency agenda. Annex 2 provides further details.

#### **D. NEW PROJECT TYPES**

- UNEP included funding for the preparation of national implementation plans to meet initial reduction obligations for the phase-down of HFCs according to the Executive Committee decision 79/46, as described in section A above.

#### **IV. PERFORMANCE INDICATORS**

UNEP expects that the services, activities and projects identified in the proposed 2021-2023 Business Plan will result in:

- Improved capabilities and technical skills of NOUs staff to effectively carry out approved phase-out programmes and thus ensure sustained compliance;
- Countries in non-compliance received necessary support enabling swift return to compliance;
- Increased high-level political commitment to the ozone agreements;
- HCFC phase-out obligations mainstreamed into national environmental strategies/policies;
- Timely and efficient HCFC phase out due to HPMP implementation and clearinghouse services;
- Increased number of Article 5 Parties ratifying the Kigali Amendment and/or undertaking activities required for meeting their initial obligations under the Amendment.
- Continued provision of technical support to 92 countries to implement and report on their UNEP-assisted Enabling Activity approved projects;
- Enhanced awareness of users and other relevant stakeholders of forthcoming reductions in HCFC supply and availability of viable alternatives;
- All client countries reported Article 7 and Country Programme data by established deadlines and quality of reported data improved;
- Improved HCFC and HFC-related policy instruments;
- Efficient operation and enforcement of HCFC licensing and quota systems;
- NOUs provided with best available information that enable them to make decisions on alternative technologies, sound approaches and methodologies;
- Broadened and strengthened regional cooperation in the implementation of the ozone treaties;
- Increased number of countries benefiting from direct country-to-country assistance;
- Concerted actions taken at national and regional levels to combat illegal trade in HCFC;
- Improved access to HCFC-related technical information and enhanced experience exchange;
- Indirect support provided for the implementation of investment projects through strengthened institutional and legal frameworks.

UNEP proposes to adopt performance indicators for 2021 in line with Decision 82/49 and the guidance received during the last Inter-Agency Coordination Meeting of 2020 (25 – 27 February).

TABLE 1: PERFORMANCE INDICATORS APPLICABLE TO ALL AGENCIES

Type of Indicator (Existing, Modified, New)	Short Title	Calculation	UNEP proposal for 2021
Planning--Approval	Tranches approved	Number of tranches approved vs. those planned*	67
Planning--Approval	Projects/activities approved	Number of projects/activities approved vs. those planned (including project preparation activities)**	115
Implementation	Funds disbursed	Based on estimated disbursement in progress report US	20,561,657
Implementation	ODS phase-out	ODS phase-out for the tranche when the next tranche is approved vs. those planned per business plans	87.68
Implementation	Project completion for activities	Project completion vs. planned in progress reports for all activities (excluding project preparation)	72
Administrative	Speed of financial completion	The extent to which projects are financially completed 12 months after project completion	14
Administrative	Timely submission of project completion reports	Timely submission of project completion reports vs. those agreed	On time
Administrative	Timely submission of progress reports	Timely submission of progress reports and business plans and responses unless otherwise agreed	On time

\* The target of an agency would be reduced if it could not submit a tranche owing to another cooperating or lead agency, if agreed by that agency.

\*\* Project preparation should not be assessed if the Executive Committee has not taken a decision on its funding.

TABLE 2: PERFORMANCE INDICATORS APPLICABLE TO UNEP'S COMPLIANCE ASSISTANCE PROGRAMME

Performance Indicator	Data	Assessment	UNEP's proposal for 2021
Efficient follow-up to regional network/ thematic meetings	List of recommendations emanating from 2019-2020 regional network/thematic meetings	Implementation rate of those meeting recommendations that are to be implemented in 2021	90% implementation rate
Effective support to NOUs in their work, particularly guidance to new NOUs	List of innovative ways/means/products/ services for supporting NOUs in their work, with specification of those destined for new NOUs	Number of innovative ways, means, products, services for supporting NOUs in their work, with specification of those destined for new NOUs	- 7 such ways, means, products, services; -All new NOUs receive capacity building support.
Assistance to countries in actual or potential non-compliance (as per MOP decisions and/or as per reported Article 7 data and trend analysis)	List of countries in actual or potential on compliance that received CAP assistance outside the network meetings	Number of countries in actual or potential non-compliance that received CAP assistance outside the network meetings	All such countries

Performance Indicator	Data	Assessment	UNEP's proposal for 2021
Innovations in production and delivery of global and regional information products and services	List of global and regional information products and services destined for new target audiences or that reach existing target audiences in new ways	Number of global and regional information products and services destined for new target audiences or that reach existing target audiences in new ways	7 such products and services
Close cooperation between CAP regional teams and Implementing and bilateral agencies working in the regions	List of joint missions/undertakings of CAP regional staff with Implementing and bilateral agencies	Number of joint missions/undertakings	Suspended during the COVID-19 pandemic due to UN and national travel restrictions

## V. POLICY, ADMINISTRATIVE AND FINANCIAL ISSUES

UNEP seeks a guidance from the Executive Committee about the eligibility and guidelines for the preparation of HFC phase down national implementation plans.



## Annex 1

### **Promoting Low-GWP Refrigerants for Air-Conditioning Sectors in High Ambient Temperature Countries (PRAHA-III)**

#### **Background**

PRAHA-I created an awareness about the challenges faced by high ambient temperature (HAT) countries and offered stakeholders in HAT countries support in building their technical knowledge of the alternatives technologies as well as practical support through the building and testing of several prototypes using lower-GWP refrigerants. In addition, PRAHA-I also helped component manufacturers, especially compressors, to start building and testing dedicated compressors for the new alternative refrigerants that can deliver sustained energy efficiency levels at HAT conditions.

The main result of PRAHA-I was that it went beyond the level of being an individual project with specific planned outcomes and outputs, and it became a PROCESS at different levels: governmental, local industry, institutional as well as for the international technology providers.

PRAHA-II was a continuation of the process with specific goals that were aligned with the findings of PRAHA-I. The two main findings of PRAHA-I was that: 1) there are viable alternatives at HAT conditions which need optimized equipment design to perform and deliver the energy efficiency minimum requirements, and 2) there is a concern about safety of the mostly flammable alternative refrigerants that calls for a special risk assessment model for the HAT countries

PRAHA-II had three main goals: 1) to build the capacity of the local industry in designing and testing products using efficient lower-GWP flammable refrigerants; 2) to evaluate and optimize the prototype built for PRAHA-I; and 3) to build a risk assessment model for the high ambient temperature countries. UNEP and UNIDO intend to keep PRAHA process alive and continuous.

#### **Objective**

Both PRAHA-I and PRAHA-II were implemented and outreached in close cooperation and coordination with the HAT countries in West Asia, however there are now 35 HAT countries as defined by the Montreal Protocol Parties at the OEWG-37 (2016) that also require assistance. Finding technically-suitable lower-GWP alternative refrigerants for HAT operating conditions has been largely answered through the first two phases of PRAHA, as well as other relevant research projects like those conducted by EGYPRA, ORNL and AREP. The main challenge for all HAT countries now is to convince markets and governments to adopt lower-GWP alternatives and ensure safe deployment of air-conditioning units operating with A2L or A3 alternative refrigerants. This can be achieved by fostering confidence in the safety and market acceptability of the alternatives.

The key findings and outcomes of PRAHA-I and PRAHA-II will shape PRAHA-III, which will focus on two main elements:

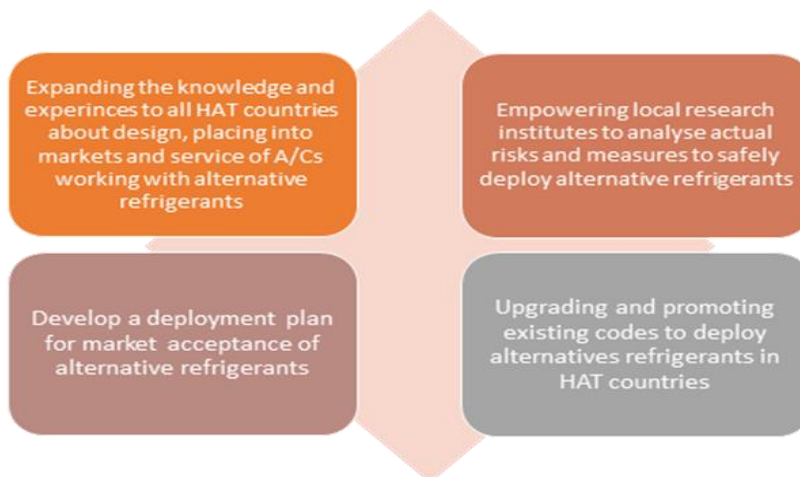
- Expanding the knowledge and services to all HAT countries; and
- Focus on addressing issues related to safe deployment of alternatives in local markets.

## Proposal

The following elements will be addressed in PRAHA-III:

1. A tailored Risk Assessment is essential, not only for HAT countries, in better understanding safety implications associated with deploying alternative refrigerants, either A2L or A3, considering the specifics of different types of equipment and life stages.
2. Efforts in building risk assessment models should be exerted towards analyzing risks in the logistics side of the supply-chain i.e. installation, in-door use, outdoor use, servicing and end of life (decommissioning); understanding that design and manufacturing risk assessment are covered by relevant international standards which will be applicable to most countries, HAT or not-HAT.
3. PRAHA-II was the first step in providing the impetus for this leapfrogging. Similarly, building the risk assessment model with the involvement of local research institutes and organizations will add depth and reach for those institutes and involve the HAT countries in the global research efforts on new alternatives as well as build countries' ownership.
4. Market acceptance strategies are becoming crucial in advancing the lower-GWP alternative refrigerants and leapfrogging higher-GWP ones, especially during the period of overlapping compliance commitments, i.e. 2020-2030. Therefore, a deployment plan for market acceptance will be a main element of PRAHA-III.
5. Model enforceable refrigerant/RAC and/or updated building codes is another critical element for securing the market acceptance of A2L and A3 alternative refrigerants. These will be developed under PRAHA-III.
6. Expanding the knowledge and experience requires a tailored approach given the diversity amongst HAT countries i.e. small vs. large and manufacturing vs. servicing only.

The figure below illustrates the key elements tentatively planned for PRAHA-III.



## Annex 2

### **Twinning of Ozone Officers and National Energy Policymakers to support Kigali Amendment Objectives**

#### **Introduction**

The Kigali Amendment entered into force on 1 January 2019. By phasing down hydrofluorocarbons (HFCs), an estimated global warming of 0.4 °C could be avoided by the end of this century. One-hundred and twelve Parties have ratified the Amendment to date, including a significant number of Article 5 countries. Other Article 5 countries are at different stages in the ratification process. The Kigali Amendment has aspirations to leverage significant climate protection benefits through the dual approach of controlling HFC production and consumption, and by maintaining or enhancing energy efficiency of equipment that uses them.

Maintaining the energy efficiency of existing refrigeration and air conditioning (RAC) equipment through best installation and servicing practices and ensuring that new equipment is energy efficient through policies could double the climate benefits of the Kigali Amendment during the transition to lower global warming potential (GWP) alternatives. Awareness-raising, training of servicing technicians, standards, and policies and regulations aimed at maintaining and enhancing energy efficiency of existing and new RAC equipment can all contribute to achieving that goal. In many countries, the two worlds of Montreal Protocol compliance and energy policy have not interacted very frequently or deeply to date. That needs to change if the climate aspirations of the Kigali Amendment are to be achieved.

The daily work of the NOUs now takes place in this new Kigali context. Their countries face critical technology and policy choices as they continue work to meet and sustain the Protocol's HCFC phase-out compliance targets, while simultaneously preparing for the HFC phase down. They increasingly need to consider refrigerants in the context of their national and regional energy efficiency policies.

Based on UNEP's experience from a project supported by another financial mechanism, twinning of National Ozone Officers and energy policy makers is needed by both groups and it helps build momentum for effective Montreal Protocol-energy efficiency policy coordination at the regional and national levels. The workshops will enable the NOUs to better understand policies, programmes and projects related to energy efficiency that are outside of the Montreal Protocol mandate (e.g. Minimum Energy Performance Standards, labelling programmes, energy policies) but which have impacts on, and implications for, Montreal Protocol compliance objectives. This type of forum for targeted interaction related to Kigali Amendment obligations is lacking, and this project seeks to address this gap.

Regional twinning workshops have strengthened the capacity of the participants from Article 5 countries about their respective programmes and reinforced (and in many cases, jump-started) the national stakeholder consultative process on the ozone-energy efficiency nexus. That momentum needs to be continued through a regular and focused mechanism linked to the Multilateral Fund.

## Proposal

Under this project, UNEP will organize a Twinning workshop in each region every two years to enable NOUs and National Energy Policymakers to share experiences, coordinate policies, and identify joint activities that will further the ozone-energy efficiency agenda.

During the workshops, UNEP and its partners will provide a forum for these officials to interact with one another, and provide them with specialized training, capacity building tools, and information materials. The meetings will be held back-to-back with the Regional Network Meetings to save on travel costs for National Ozone Officers.

The requested funding will cover the travel and Daily Subsistence Allowance (DSA) of the National Energy Policymakers and small number of experts to participate. It is being requested as a separate technical assistance (TAS) project separate from the CAP since it would not be possible to do so within the existing level of CAP funding.

Similar to the previous Twinning experience mentioned earlier, an appropriate National Energy Policymaker will be identified by each of the 147 countries to participate in twinning as counterparts to the NOUs. The selection will be made with close consultation of the NOU and with inputs from the national energy ministry, regional energy efficiency agencies, etc. as appropriate.

Multilateral Fund institutions, partner organizations and at least one regional energy efficiency expert will be invited to participate in the twinning workshops to share, exchange and learn, thus creating a common knowledge-sharing platform for the wider Kigali Amendment community. The workshops will also involve cooperation with other relevant organizations and alliances (e.g. Cool Coalition) which have energy efficiency mandates will help in achieving the climate aspirations of the Kigali Amendment and enhance the work of the Montreal Protocol.

## Budget

Item	Cost 2022 (US\$)	Cost 2024 (US\$)
National Energy Policymakers (NEP) - travel and DSA	360,000	360,000
International energy experts - travel and DSA	80,000	80,000
Regional energy efficiency experts - travel and DSA	50,000	50,000
Venue and Logistics	60,000	60,000
Technical documents/information materials	50,000	50,000
<b>Total</b>	<b>600,000</b>	<b>600,000</b>
<b>Grand total</b>		<b>1,200,000</b>