



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

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COMITÉ EJECUTIVO DEL FONDO MULTILATERAL
PARA LA APLICACIÓN DEL
PROTOCOLO DE MONTREAL

Octogésima octava reunión
Montreal, 15 – 19 de noviembre de 2021¹

PLAN ADMINISTRATIVO DEL PNUMA PARA 2022-2024

1. Este documento presenta el Plan administrativo del PNUMA para 2022-2024² e incluye: las actividades planeadas para eliminar las sustancias controladas bajo el Protocolo de Montreal (sustancias controladas) durante el período 2022-2024, los indicadores de desempeño del Plan administrativo, cuestiones normativas, y una recomendación para consideración del Comité Ejecutivo. El texto del Plan administrativo del PNUMA para 2022-2024 se adjunta al presente documento.

Actividades planeadas durante el período 2022-2024

2. El Cuadro 1 establece, por año, el valor de las actividades incluidas en el Plan administrativo del PNUMA.

Cuadro 1. Asignación de recursos del Plan administrativo del PNUMA para 2022-2024, según lo presentado (000 SEUA) *

Descripción	2022	2023	2024	Total (2022-2024)	Total después de 2024
Actividades relacionadas con HCFC					
Planes de gestión de eliminación de los HCFC aprobados	4 864	4 865	5 024	14 753	11 895
Preparación de proyectos de planes de gestión de eliminación de los HCFC - etapa II	124	99	34	258	0
Etapa II de planes de gestión de eliminación de los HCFC	2 349	1 712	850	4 911	6 419

¹ En noviembre y diciembre de 2021 se celebrarán reuniones en línea y se llevará a cabo el proceso de aprobación entre períodos de sesiones, debido al coronavirus (COVID-19).

² Dado las restricciones impuestas por la pandemia del COVID-19, las observaciones de la Secretaría sobre la presentación inicial del Plan administrativo del PNUMA para 2022-2024 se trataron bilateralmente y mediante numerosos intercambios de mensajes electrónicos. Todas las cuestiones se abordaron de manera satisfactoria.

Descripción	2022	2023	2024	Total (2022-2024)	Total después de 2024
Etapa III de planes de gestión de eliminación de los HCFC	1 019	3 890	534	5 443	4 752
Asistencia técnica para planes de gestión de eliminación de los HCFC	509	0	0	509	
Subtotal de las actividades relacionadas con los HCFC	8 865	10 566	6 443	25 873	23 065
Actividades relacionadas con los HFC					
Actividades de facilitación para reducción de HFC	0	214	0	214	0
Plan de aplicación de Kigali para HFC – Preparación de proyectos	5 213	1 513	0	6 726	0
Asistencia técnica para HFC	678	0	678	1 356	0
Subtotal de las actividades relacionadas con HFC	5 891	1 727	678	8 296	0
Actividades habituales					
Fortalecimiento institucional	5 940	5 610	5 940	17 490	0
Programa de Asistencia al Cumplimiento	11 428	11 771	12 124	35 323	0
Subtotal de las actividades habituales	17 368	17 381	18 064	52 812	0
Total	32 123	29 674	25 184	86 982	23 065

* Inclusive los gastos de apoyo del organismo, donde proceda.

Observaciones de la Secretaría

Etapa II de los planes de gestión de eliminación de los HCFC

3. El total de la financiación para la etapa II de los planes de gestión de eliminación de los HCFC para que los países con bajo consumo logren la reducción del 67,5 por ciento de la base de los HCFC asciende a 1,23 millones \$EUA (inclusive 440 315 \$EUA para 2022-2024), y 5,05 millones \$EUA (inclusive 1,83 millones \$EUA para 2022-2024) destinados a lograr el 100 por ciento de reducción.

4. El total de la financiación para la etapa II de los planes de gestión de eliminación de los HCFC para los países que no tienen bajo consumo ascienden a 5,04 millones \$EUA (inclusive 2,64 millones \$EUA para 2022-2024).

Etapa III de LOS planes de gestión de eliminación de los HCFC

5. Un total de 10,19 millones \$EUA se incluye en el Plan administrativo para la etapa III de los planes de gestión de eliminación de los HCFC para siete países (Armenia, Chile, India, República Islámica del Irán, Omán, Pakistán y República de Moldova) (inclusive 5,44 millones \$EUA para 2022-2024).³

Proyecto regional de asistencia técnica para los HCFC

6. El PNUMA incluyó un proyecto regional de asistencia técnica para los HCFC, a fin de promover refrigerantes con bajo potencial de calentamiento atmosférico para los sectores de aire acondicionado en los países con temperatura ambiente elevada (PRAHA-III), que en 2022 asciende a 508 500 \$EUA. Este proyecto se estudió en la 86ª reunión, durante la cual algunos miembros expresaron su apoyo para restablecer el proyecto; no obstante, se señaló también que no había un plan de financiación para tales

³ La inclusión de la etapa III de los planes de gestión de eliminación de HCFC en el Plan administrativo se permite solamente en el caso de aquellos países que tengan una etapa aprobada II, con objetivos de reducción por debajo de los objetivos de cumplimiento de 2025, conforme a la decisión 84/46 e).

proyectos de asistencia técnica y que el trabajo requerido para abordar las alternativas con cero o bajo potencial de calentamiento atmosférico se resumió en la decisión XXVIII/2.⁴ En consecuencia, el proyecto no se restableció en el Plan administrativo para 2022-2024.

Actividades relacionadas con los HFC

7. Las actividades relacionadas con HFC incluyen las actividades de facilitación, que ascienden a 214 000 \$EUA en 2023 para dos países (Antigua y Barbuda y la República Centroafricana), una actividad de asistencia técnica que asciende a 1,36 millones \$EUA para 2022-2024, y las actividades de preparación de proyectos⁵ para 56 países, que ascienden a 6,73 millones \$EUA en 2022 y 2023.

8. Los dos países para los cuales se han incluido las actividades de facilitación presentaron la carta requerida de su gobierno, donde éste indicaba su intención de hacer mejores esfuerzos para ratificar la Enmienda de Kigali tan pronto como fuese posible, conforme a la decisión 79/46 d) i).

9. Veintisiete de los 56 países para los cuales se incluyeron actividades de preparación de proyectos no ratificaron la Enmienda de Kigali, pero presentaron la carta requerida de su gobierno, indicando su intención de hacer mejores esfuerzos para ratificar la Enmienda, a excepción de la República Democrática del Congo.

10. El PNUMA incluyó un proyecto mundial de asistencia técnica para HFC, Hermanamiento de funcionarios de dependencias del ozono y responsables de políticas energéticas nacionales para apoyar los objetivos de la Enmienda de Kigali, que no es admisible para financiamiento.

Programa de Asistencia al Cumplimiento

11. Se espera que el costo del Programa de Asistencia al Cumplimiento aumente a un índice anual del 3 por ciento, tal como convino el Comité Ejecutivo. Para 2022-2024 el total de financiación para el Programa de Asistencia al Cumplimiento es 35,32 millones \$EUA. El presupuesto del Programa de Asistencia al Cumplimiento para 2022 se presentó a la 88ª reunión.⁶

Ajustes propuestos por la Secretaría

12. Los ajustes al Plan administrativo del PNUMA para 2022-2024 se basaron en las decisiones pertinentes del Comité Ejecutivo. Es posible que se requieran otros ajustes en espera de una decisión por las Partes sobre el nivel de reposición del Fondo Multilateral para el trienio 2021-2023.⁷

⁴ UNEP/OzL.Pro/ExCom/86/100, apartado 182

⁵ La financiación para la preparación de los planes nacionales de ejecución para cumplir con los requisitos iniciales de la reducción de HFC podría proporcionarse, como muy temprano, cinco años antes de esos requisitos, después de que un país hubiese ratificado la Enmienda de Kigali y conforme a las directrices que se aprobarán en el futuro (decisión 79/46 b) iii)). Además, las actividades de preparación de la reducción de HFC podrían incluirse en el Plan administrativo para los países que no habían ratificado la Enmienda de Kigali, pero habían presentado una carta que indicaba la intención de su gobierno de hacer mejores esfuerzos para ratificar dicha Enmienda (decisión 84/46 f)). Las directrices para la preparación proyectos para la aplicación del plan de aplicación de Kigali se aprobaron en la 87ª reunión (decisión 87/50).

⁶ UNEP/OzL.Pro/ExCom/88/34

⁷ A falta de una decisión de las Partes sobre el nivel de reposición del Fondo Multilateral para el trienio 2021-2023, y a la luz de la decisión XXXII/1, el presupuesto indicativo para la asignación de recursos del Plan administrativo para 2022-2024 se asumió al mismo nivel de reposición del trienio 2018-2020. Esta cuestión se trata en el Plan administrativo refundido del Fondo Multilateral para 2022-2024 (UNEP/OzL.Pro/ExCom/88/22).

13. Al examinar el Plan administrativo revisado del PNUMA para 2022-2024, la Secretaría observó que no se incluyeron los siguientes ajustes:

Cuadro 2. Ajustes al Plan administrativo del PNUMA para 2022-2024 (000 SEUA)

Ajuste	2022-2024	Después de 2024
Valores de los planes de gestión de eliminación de los HCFC para reflejar los montos reales aprobados según los términos de los Acuerdos, inclusive los tramos de los planes de gestión de eliminación de los HCFC que están pendientes, pero que no se presentaron a la 88ª reunión	34	0
Valores de los planes de gestión de eliminación de los HCFC para reflejar los proyectos de Acuerdos presentados a la 88ª reunión	(160)	(407)
Etapa II de los planes de gestión de eliminación de los HCFC para los países de países con bajo consumo al valor máximo permitido para lograr las reducciones del 67,5 o 100 por ciento de la base de HCFC, según la decisión 74/50 c) XII)	(164)	0
Asistencia técnica para HCFC	(509)	0
Preparación para los planes de aplicación de Kigali, conforme a la decisión 87/50	(226)	0
Asistencia técnica para HFC	(1 356)	0
Proyecto de fortalecimiento institucional para la República Popular Democrática de Corea conforme a la decisión 80/34 c) iii) b	(333)	0

14. El Cuadro 3 contiene los resultados de los ajustes propuestos por la Secretaría al Plan administrativo para del PNUMA para 2022-2024, que también se abordan en el contexto del Plan administrativo refundido del Fondo Multilateral para 2022-2024.⁸

Cuadro 3. Asignación de recursos en el Plan administrativo ajustado del PNUMA para 2022-2024 (000 SEUA) *

Descripción	2022	2023	2024	Total (2022-2024)	Total después de 2024
Actividades relacionadas con HCFC					
Planes de gestión de eliminación de los HCFC aprobados	4 604	5 158	5 024	14 786	11 895
Preparación de planes de gestión de eliminación de los HCFC - etapa II	124	99	34	258	0
Etapa II de planes de gestión de eliminación de los HCFC	2 022	1 875	773	4 669	6 497
Etapa III de planes de gestión de eliminación de los HCFC	761	3 890	709	5 361	4 266
Asistencia técnica para los HCFC	0	0	0	0	0
Subtotal de las actividades relacionadas con HCFC	7 512	11 022	6 540	25 074	22 658
Actividades relacionadas con HFC					
Actividades de facilitación para la reducción de HFC	0	214	0	214	0
Plan de aplicación de Kigali para HFC – preparación de proyectos	4 987	1 513	0	6 500	0
Asistencia técnica para HFC	0	0	0	0	0

⁸ UNEP/OzL.Pro/ExCom/88/22

Descripción	2022	2023	2024	Total (2022-2024)	Total después de 2024
Subtotal de las actividades relacionadas con HFC	4 987	1 727	0	6 714	0
Actividades habituales					
Fortalecimiento institucional	5 773	5 610	5 773	17 157	0
Programa de Asistencia al Cumplimiento	11 428	11 771	12 124	35 323	0
Subtotal de las actividades habituales	17 201	17 381	17 897	52 479	0
Total	29 700	30 130	24 437	84 268	22 658

* Inclusive los gastos de apoyo del organismo, donde proceda.

Indicadores de desempeño

15. En su Plan administrativo el PNUMA presentó indicadores de desempeño, conforme a la decisión 71/28. La Secretaría informó al PNUMA los objetivos indicados en el Cuadro 4.

Cuadro 4. Indicadores de desempeño para el PNUMA para 2022

Tipo de indicador	Título corto	Cálculo	Objetivo de 2022
Planificación - -Aprobación	Tramos aprobados	Tramos aprobados comparados con los planificados*	54
Planificación - -Aprobación	Proyectos/Actividades aprobados	Proyectos/actividades aprobadas comparado con los planificados (incluye actividades de preparación de proyecto) **	99
Ejecución	Fondos desembolsados	Basado en el desembolso estimado en el informe sobre la marcha de las actividades	21 629 928 \$EUA
Ejecución	Eliminación de SAO	Eliminación de SAO para el tramo cuando el tramo siguiente está aprobado, comparado con los planificados según el plan administrativo*	93,6 toneladas PAO
Ejecución	Finalización de proyectos para las actividades	Finalización de proyectos comparado con los planificados en los informes sobre la marcha de las actividades para todas las actividades (excepto la preparación de proyecto)	91
Administrativo	Velocidad de la finalización financiera	El grado al cual los proyectos se terminan financieramente 12 meses después de la finalización del proyecto	14 meses
Administrativo	Presentación en fecha de Informes de terminación del proyecto	Presentación en fecha de informes de terminación del proyecto comparado con los convenidos	En fecha (15)
Administrativo	Presentación en fecha de informes sobre la marcha de las actividades	Presentación en fecha de informes sobre la marcha de las actividades y planes administrativos y respuestas a menos que se acuerde lo contrario	En fecha

* El objetivo de un organismo se reduciría si no pudiera presentar un tramo debido a otro organismo de ejecución principal o cooperante, si ese organismo está de acuerdo.

** La preparación del proyecto no debería evaluarse, si el Comité Ejecutivo no ha tomado una decisión sobre su financiación.

16. El Cuadro 5 presenta los indicadores de desempeño del PNUMA para su Programa de Asistencia al Cumplimiento, adoptados en la decisión 48/7 e).

Cuadro 5. Indicadores de desempeño para el Programa de Asistencia al Cumplimiento del PNUMA para 2022

Indicador de desempeño	Datos	Evaluación	Objetivo para 2022
Seguimiento eficaz de las redes regionales/reuniones temáticas	Lista de recomendaciones que emanan de las redes regionales/reuniones temáticas de 2018-2019	Índice de aplicación de esas recomendaciones de reuniones que se ejecutarán en 2020	Índice de ejecución del 90%
Apoyo eficaz a las dependencias nacionales del ozono en su labor, particularmente orientación a las dependencias nuevas	Lista de maneras/medios/productos/servicios para apoyar la labor de las dependencias nacionales del ozono, con la especificación de las/los destinadas (os) a las dependencias nuevas	Maneras innovadoras, medios, productos, servicios para apoyar la labor de las dependencias nacionales del ozono, con especificación de las/los destinadas (os) a las dependencias nuevas	-7 maneras, medios, productos, servicios; - Todas las dependencias nuevas reciben apoyo para creación de capacidad.
Asistencia a los países en incumplimiento real o potencial (según decisiones de las reuniones de las Partes y/o según datos informados en virtud del Artículo 7 y análisis de tendencias)	Lista de países en incumplimiento real o potencial que recibieron ayuda del Programa de Asistencia al Cumplimiento fuera de las reuniones de la red	Países en incumplimiento real o potencial que recibieron ayuda del Programa de Asistencia al Cumplimiento fuera de las reuniones de la red	Todos esos países
Innovaciones en la producción y entrega de productos y servicios de información mundiales y regionales	Lista de productos y servicios de información mundiales y regionales, destinados a los nuevos públicos destinatarios o que llegan a los públicos destinatarios existentes de nuevas maneras	Productos y servicios de información mundiales y regionales, destinados a nuevos públicos destinatarios o que llegan a los públicos destinatarios existentes de nuevas maneras	7 productos y servicios
Estrecha colaboración entre los equipos regionales del Programa de Asistencia al Cumplimiento y los organismos de ejecución y bilaterales que trabajan en las regiones	Lista de misiones/tareas comunes del personal regional del Programa de Asistencia al Cumplimiento junto con los organismos de ejecución y bilaterales	Misiones/tareas empresas comunes	Suspendido durante la pandemia del COVID-19 debido a las restricciones de viaje nacionales y de la O.N.U.

Cuestiones normativas

17. El PNUMA pide orientación del Comité Ejecutivo sobre los plazos para la presentación de las actividades de preparación de proyectos para la etapa III de los planes de gestión de eliminación de los HCFC. El PNUMA, como organismo de ejecución cooperante para Albania, Bangladesh, Egipto y Serbia, y organismo de ejecución principal para la República Democrática de Timor-Leste, incluyó tales actividades en su Plan administrativo para 2023; no obstante, la Secretaría las sacó, basándose en la decisión 84/46 e), que permite la presentación de las actividades relacionadas con la etapa III de los planes de gestión de eliminación de los HCFC para los países con una etapa II aprobada con objetivos de reducción por debajo de los objetivos de cumplimiento de 2025. Esta cuestión se trata en el Plan administrativo refundido del Fondo Multilateral para 2022-2024, presentado a la 88ª reunión.⁹

RECOMENDACIÓN

18. El Comité Ejecutivo podría:

- a) Tomar nota del Plan administrativo del PNUMA para 2022-2024, que figura en el documento UNEP/OzL.Pro/ExCom/88/25; y
- b) Aprobar los indicadores de desempeño para el PNUMA, según lo establecido en los Cuadros 4 y 5 del documento UNEP/OzL.Pro/ExCom/88/25.

⁹ UNEP/OzL.Pro/ExCom/88/22

UNITED NATIONS ENVIRONMENT PROGRAMME
2022-2024 BUSINESS PLAN

PRESENTED TO THE
88TH MEETING OF THE EXECUTIVE COMMITTEE
OF THE MULTILATERAL FUND FOR THE IMPLEMENTATION
OF THE MONTREAL PROTOCOL

20 SEPTEMBER 2022



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EXECUTIVE SUMMARY

The United Nations Environment Programme (UNEP) is submitting this document for the consideration of the 88th 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 projects covering the years 2022-2024. It comprises:

- Narrative.
- Annex: Projects planned for submission (spreadsheet submitted separately).

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, and as they meet and sustain compliance with specific obligations. UNEP continues assisting 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. UNEP continues providing the assistance to 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 is including requests for the preparation of the Kigali HFC Implementation Plans (KIPs) to meet initial reduction obligations for the phase-down of hydrofluorocarbons (HFCs) in accordance with the Executive Committee's decision taken at its 87th meeting ().¹

This 2022-2024 Business Plan was developed during the unprecedented COVID-19 pandemic, which began in early 2020 and is continuing to present. 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 are being proposed for the period covered by this Business Plan.

UNEP will apply the lessons it learned while assisting Article 5 countries under COVID-19 conditions in 2020 and 2021 to the proposed future projects. This includes provision of more online operations (e.g. virtual meetings, webinars, distance training, e-learning and digital platforms), continued frequent 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 (e.g. remote verification reports where appropriate). UNEP will mitigate the impacts

¹ UNEP/OzL.Pro/ExCom/87/IAP/3.

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 through a combination of compliance assistance services delivered through the 2022 Compliance Assistance Programme (CAP),² 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;
- Remaining Enabling Activities projects;
- Preparation of Kigali HFC Implementation Plans (KIPs).

In addition to the anticipated Business Plan activities, UNEP will implement HPMP verification projects as and when requested by the Executive Committee during 2022-2024.

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 2022 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).³

UNEP is planning project submissions over the next three years as follows: US\$ 32,123,311 for 2022, US\$ 29,674,008 for 2023, and US\$ 25,184,263 for 2024, all inclusive of the respective annual CAP budgets and programme support costs (PSC).

For 2022, UNEP will prepare and submit 158 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 2023.

I. METHODOLOGY

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

² In addition to the projects indicated in this Business Plan, during 2022 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.

³ This Business Plan provides details about the individual *projects* proposed for UNEP's implementation from 2022 through 2024. UNEP will report details on its performance with implementing the projects through its UNEP'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 2022 CAP Work Programme and Budget.

- Consulted with National Ozone Officers in Article 5 countries during 2021 on their countries' business planning needs, through direct contacts with Ozone Officers using telephone, video conferencing and electronic platforms.
- Reviewed and drawn on experiences gained from implementation of its 2021-2023 Business Plan,⁴ taking into account new trends and emerging developments.
- Considered the programmatic direction and activities included in its approved 2021 CAP Work Programme and Budget.⁵
- Followed the guidance provided by the Multilateral Fund Secretariat via electronic means.
- 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*,⁶ which details UNEP's vision and approach for CAP for that period. The strategy identified eight major desired outcomes that UNEP will support during the three-year period:

- OUTCOME 1 – National Ozone Units effectively manage their national Montreal Protocol compliance programmes.
- OUTCOME 2 – Article 5 countries report accurate and timely data.
- OUTCOME 3 – Article 5 countries adopt, implement and enforce Montreal Protocol laws, regulations, licensing and quota systems.
- OUTCOME 4 – Customs effectively controls trade of controlled substances nationally and cooperates internationally to support legal trade and fight illegal trade.
- OUTCOME 5 – Key stakeholders and public informed and supportive of Article 5 Governments' Montreal Protocol programmes.
- OUTCOME 6 – Article 5 countries safely adopt appropriate lower-GWP and energy efficient refrigeration and air conditioning technology and servicing practices.
- OUTCOME 7 – Article 5 countries ratify Kigali Amendment and begin meeting HFC phasedown obligations.

⁴ UNEP/OzL.Pro/ExCom/86/28.

⁵ UNEP/OzL.Pro/ExCom/86/36

⁶ UNEP/OzL.Pro/ExCom/86/36.

- OUTCOME 8 – Article 5 countries implement Multilateral Fund HCFC phase-out and HFC phase-down projects in timely and effective manner.

B. RESOURCE ALLOCATION

During this Business Plan period, UNEP plans to prepare and submit for approval the projects as detailed in the separate annex "Projects planned for submission 2022-2024." UNEP's proposed resource allocation plan is as follows:

Project	Type	Value (US\$ inclusive of PSC)			Total 2022-2024
		2022	2023	2024	
HPMP Stage I implementation	PHA	1,468,670	0	445,295	1,913,965
HPMP Stage II preparation	PRP	124,300	99,440	33,900	257,640
HPMP Stage II implementation	PHA	5,744,403	6,450,584	5,429,234	17,624,221
HPMP Stage III implementation	PHA	1,018,690	4,015,729	534,298	5,568,717
HFC phase down Kigali Implementation Plan preparation	PRP	5,213,173	1,513,070	0	6,726,243
Enabling Activities	TAS	0	214,000	0	214,000
Institutional Strengthening	INS	5,939,645	5,610,417	5,939,645	17,489,707
Technical assistance	TAS	1,186,500	0	678,000	1,864,500
Compliance Assistance Programme	TAS	11,427,930	11,770,768	12,123,891	35,322,589
Grand total		32,123,311	29,674,008	25,184,263	86,981,582

III. PLANNED BUSINESS PLAN ACTIVITIES

This section describes costed projects at the national, regional and global levels in the 2022-2024 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 104 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 two 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 the Kigali HFC implementation plans (KIPs). 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 from its 87th meeting.

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

N/A

IV. PERFORMANCE INDICATORS

UNEP expects that the services, activities and projects identified in the proposed 2022-2024 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 93 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 2022 as follows:

TABLE 1: PERFORMANCE INDICATORS APPLICABLE TO ALL AGENCIES

Type of Indicator (Existing, Modified, New)	Short Title	Calculation	UNEP proposal for 2022
Planning--Approval	Tranches approved	Number of tranches approved vs. those planned*	58
Planning--Approval	Projects/activities approved	Number of projects/activities approved vs. those planned (including project preparation activities)**	103

Type of Indicator (Existing, Modified, New)	Short Title	Calculation	UNEP proposal for 2022
Implementation	Funds disbursed	Based on estimated disbursement in progress report US	23,348,218.47
Implementation	ODS phase-out	ODS phase-out for the tranche when the next tranche is approved vs. those planned per business plans	88.6 ODP tones
Implementation	Project completion for activities	Project completion vs. planned in progress reports for all activities (excluding project preparation)	57
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 2022
Efficient follow-up to regional network/ thematic meetings	List of recommendations emanating from 2020-2021 regional network/thematic meetings	Implementation rate of those meeting recommendations that are to be implemented in 2022	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
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	List of joint missions/ undertakings of CAP	Number of joint missions/undertakings	Suspended during the COVID-19 pandemic due

Performance Indicator	Data	Assessment	UNEP's proposal for 2022
teams and Implementing and bilateral agencies working in the regions	regional staff with Implementing and bilateral agencies		to UN and national travel restrictions

V. POLICY, ADMINISTRATIVE AND FINANCIAL ISSUES

UNEP seeks guidance from the Executive Committee about HCFC Stage 3 PRP for the following countries: Albania (UNEP cooperating agency), Bangladesh (UNEP cooperating agency), Egypt (UNEP cooperating agency), Serbia (UNEP cooperating agency) and Timor Leste. (UNEP lead agency). UNEP included these projects for 2023, however they were removed from the Business Plan by the Secretariat based on Decision 84/46(e), which allows the submission of activities related to HPMP Stage III for countries with an approved HPMP Stage II with reduction targets below the 2025 compliance targets. UNEP notes that these five countries require HPMP Stage 3 PRPs since their HPMP Stage 2 projects address the 2025 compliance target.

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 is that it went beyond the level of being an individual project with specific planned outcomes and outputs, PRAHA turned to be 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 are aligned with the findings of PRAHA-I. The two main findings of PRAHA-1 is 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) that 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. Full report of PRAHA-II will be submitted for consideration of ExCom-84. A HAT symposium scheduled for March 2020 will convey these results to representatives from those countries. UN Environment and UNIDO intend to keep PRAHA process alive and continuous.

The Purpose

Both PRAHA-I and PRAHA-II were implemented and outreached in close cooperation and coordination with HAT countries in the Middle East mainly in West Asia, while there are 35 countries defined by the Montreal Protocol Parties at the OEWG-37, 2016 as “High Ambient Temperature Countries”.

It is obvious that the question of finding technically suitable lower-GWP alternative refrigerants for HAT operating conditions is answered with the two phases of PRAHA as well as other relevant research projects like EGYPRA, ORNL and AREP. **The main challenge now is creating the technical and political convincing power for markets and governments to adopt lower-GWP alternatives and ensure safe deployment of air-conditioning units operating with A2L or A3 alternative refrigerants.** Key findings and outcomes of PRAHA-II, as well as PRAHA-I, will shape the details of PRAHA-III with focus on two main elements:

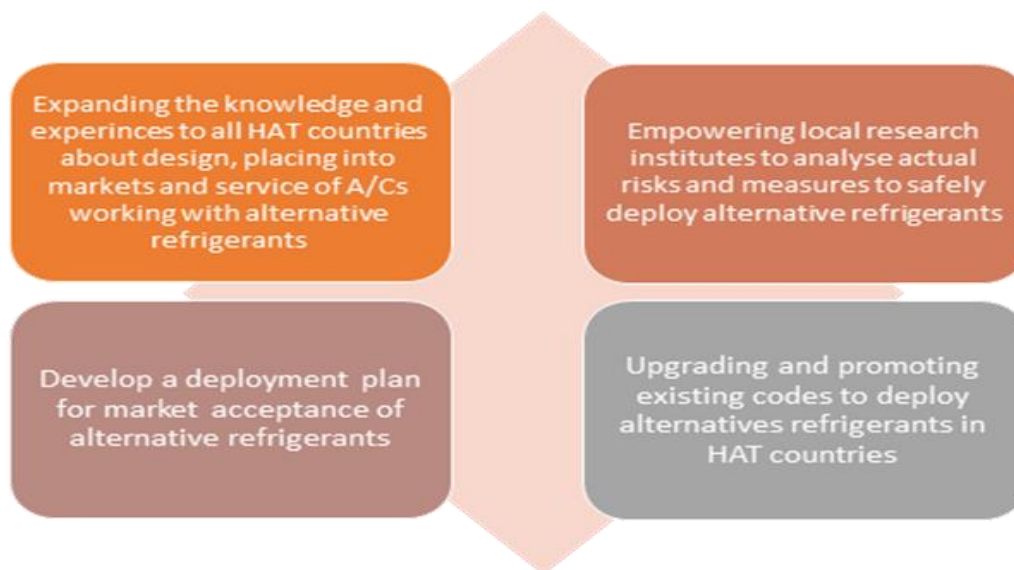
- Expanding the knowledge and services to all HAT countries
- Focus on addressing issues related to safe deployment of alternatives in local markets

The Proposal

Taking into consideration key findings and recommendations from PRAHA-II, the following elements are sought to be addressed in PRAA-III:

- I. **A tailored Risk Assessment** is essential 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. 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 (decommission); understanding that design and manufacturing risk assessment are covered by relevant international standards which will be applicable to most countries, HAT or not-HAT.
- II. PRAHA-II was the first step in is 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.
- III. Market Acceptance Strategy is becoming crucial in advancing the lower-GWP alternative refrigerants and leapfrogging higher-GWP ones especially during the period of overlapped compliance commitments i.e. 2020-2030. **Therefore, Deployment Plan for Market Acceptance will be main element for PRAHA-III.**
- IV. **Model of enforceable refrigerant/RAC and/or updated building codes** is another critical element for securing the market acceptance of A2L and A3 alternative refrigerants.
- V. **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.

Below figure illustrates the key elements tentatively planned for PRAHA-III



Timeframe and Budget

With the magnitude of work being envisaged in PRAHA-III in terms of number of countries and areas to be tackled, it is expected that the project will have timeframe of **36 months** and an estimated budget of

US\$ 900,000 which will be split between UNEP and UNIDO. A detailed proposal will be developed, at the time of submission, including elaborated timeline and budget breakdown against suggested activities.

Annex 2

Twining 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

Total	600,000	600,000
Grand total	1,200,000	