

Distr.  
GENERAL

UNEP/OzL.Pro/ExCom/97/33  
17 October 2025

ARABIC  
ORIGINAL: ENGLISH

برنامج  
الأمم المتحدة  
للبيئة



اللجنة التنفيذية للصندوق المتعدد الأطراف  
لتنفيذ بروتوكول مونتريال  
الاجتماع السابع والتسعون  
مونتريال، 1-5 ديسمبر/كانون الأول 2025  
البند 9(ج) من جدول الأعمال المؤقت<sup>1</sup>

تعديلات برنامج عمل البنك الدولي لعام 2025

## تعليقات أمانة الصندوق وتوصيتها

1. يطلب البنك الدولي موافقة اللجنة التنفيذية على مبلغ 100,000 دولار أمريكي، بالإضافة إلى تكاليف دعم الوكالة البالغة 7,000 دولار أمريكي، لتعديل برنامج عمله لعام 2025 المدرج في الجدول 1. والطلب مرفق بهذه الوثيقة.

### الجدول 1: تعديل برنامج عمل البنك الدولي لعام 2025

| المبلغ الموصى به<br>(دولار أمريكي)                                                                                                            | المبلغ المطلوب<br>(دولار أمريكي) | النشاط/المشروع                                                                            | البلد   |
|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-------------------------------------------------------------------------------------------|---------|
| القسم ألف: نشاط موصى بموافقة شمولية عليه                                                                                                      |                                  |                                                                                           |         |
| ألف 1: إعداد قائمة جرد وطنية لبنوك المواد الخاضعة للرقابة المستخدمة أو غير المرغوب فيها وخطة لجمع هذه المواد ونقلها والتخلص منها <sup>2</sup> |                                  |                                                                                           |         |
| 100,000                                                                                                                                       | 100,000                          | إعداد قائمة جرد وطنية لبنوك المواد الخاضعة للرقابة المستخدمة أو غير المرغوب فيها ووضع خطة | ماليزيا |
| 100,000                                                                                                                                       | 100,000                          | المجموع الفرعي للقسم ألف 1                                                                |         |
| 7,000                                                                                                                                         | 7,000                            | تكاليف دعم الوكالة                                                                        |         |
| 107,000                                                                                                                                       | 107,000                          | مجموع القسم ألف 1                                                                         |         |

### القسم ألف: نشاط موصى بموافقة شمولية عليه

ألف 1: إعداد قائمة جرد وطنية لبنوك المواد الخاضعة للرقابة المستخدمة أو غير المرغوب فيها وخطة لجمع هذه المواد ونقلها والتخلص منها

### وصف المشروع

2. قدم البنك الدولي طلبا لإعداد قائمة جرد وطنية لبنوك المواد الخاضعة للرقابة المستخدمة أو غير المرغوب فيها، وخطة لبلد واحد بوصفه الوكالة المنفذة المعينة كما هو موضح في القسم ألف 1 من الجدول 1.

### تعليقات الأمانة

3. عند استعراض الطلب، وضعت الأمانة في اعتبارها معايير إعداد قائمة جرد وطنية لبنوك المواد الخاضعة للرقابة المستخدمة أو غير المرغوب فيها، وخطة، الواردة في المقرر 66/91، والأنشطة المقترحة لإعداد المشروع، بالإضافة إلى كيفية ارتباطها بالخطط الوطنية للإزالة/التخفيض التدريجي (مثل خطة إدارة إزالة المواد الهيدروكلوروفلوروكربونية أو خطة التنفيذ بموجب تعديل كيغالي) في البلد. وأشارت الأمانة إلى أن طلب التمويل يتماشى مع المقرر 66/91.

4. وقدم البنك الدولي وصفا للأنشطة اللازمة لإعداد قائمة جرد وطنية لبنوك المواد الخاضعة للرقابة المستخدمة أو غير المرغوب فيها، وخطة لماليزيا باستخدام نموذج تقديم الطلبات ذي الصلة لمقترحات المشاريع.

5. وتضمنت الأنشطة الواردة في طلب التمويل لماليزيا استعراض البيانات المتاحة؛ وإعداد قائمة الجرد الوطنية وخطة العمل والتقارير النهائي؛ ومشاورات مع أصحاب المصلحة والتحقق؛ واستعراضا وتحليلا للوائح والسياسات القائمة، بما في ذلك سياسات إدارة النفايات؛ وتوقعا لكميات المواد المستنفدة للأوزون والمواد الهيدروكلوروكربونية المستخدمة أو غير المرغوب فيها التي قد تتطلب الاسترداد أو الاستصلاح أو إعادة التدوير أو التخلص منها في المستقبل؛ واستعراضا لمراكز الاسترداد وإعادة التدوير، وغيرها من المراكز المعنية بإدارة النفايات؛ وتقييما لجدوى وتكاليف خيارات التخلص الحالية (إعادة التدوير، والاستصلاح، والتدمير)؛ وتقييما للجدوى الاقتصادية لمراكز الاستصلاح ومرافق التدمير؛ ووضع نموذج أعمال أو تمويل لضمان الاستدامة طويلة الأجل لعمليات الجمع أو التخلص؛

<sup>2</sup> يشار إليها هنا باسم إعداد جرد وطني لبنوك المواد الخاضعة للرقابة المستخدمة أو غير المرغوب فيها والتخطيط

وأنشطة تعميم مراعاة المنظور الجنساني.

### توصية الأمانة

6. توصي الأمانة بموافقة شمولية على إعداد قائمة جرد وطنية لبنوك المواد الخاضعة للرقابة المستخدمة أو غير المرغوب فيها، ووضع خطة لجمع هذه المواد ونقلها والتخلص منها في ماليزيا، بمستوى التمويل المبين في القسم ألف 1 من الجدول 1.

---

2025 BUSINESS PLAN  
WORK PROGRAM AMENDMENT



**WORLD BANK GROUP**

WORLD BANK IMPLEMENTED  
MONTREAL PROTOCOL OPERATIONS

Presented to the  
97<sup>th</sup> Meeting of the Executive Committee  
of the Multilateral Fund

6 October 2025

## WORK PROGRAM FOR WORLD-BANK IMPLEMENTED MONTREAL PROTOCOL OPERATIONS

1. This proposed work program for Bank-Implemented Montreal Protocol Operations is prepared on the basis of the 2025-2027 World Bank Business Plan which was approved by the Executive Committee at its 95<sup>th</sup> meeting.
2. The 2025-2027 World Bank Business Plan consists of investment and non-investment activities to assist Article 5 partner countries to meet and sustain their HCFC reduction targets: the 2020 35% reduction in both production and consumption sectors. The Business Plan includes, in addition to deliverables associated with previously approved and new investment activities, requests to extend support for implementation of existing institutional strengthening projects in 2 countries.
3. The 2025-2027 Business Plan also includes investment and non-investment activities for the World Bank client countries that either have ratified or in the process of ratifying the Kigali Amendment to phasedown HFCs. These activities will ensure their compliance with the 2024 freeze target and the 2029 10% reduction in the consumption sectors.

### 2025 Work Program – ExCom 97 Amendment

4. The proposed 2025 Work Program being submitted for consideration at the 97<sup>th</sup> Meeting of the Executive Committee, includes one (1) funding requests:
  - (i) One (1) for preparing life cycle management plan for controlled substances for Malaysia
5. Brief description of the work program amendment activity request is highlighted below.

**Table 1: Funding Request Submitted for Consideration  
by the 97<sup>th</sup> Meeting of the Executive Committee**

| Country      | Request (US\$) | Support Costs (US\$) | Duration (months) | Description                                                        | Supporting document |
|--------------|----------------|----------------------|-------------------|--------------------------------------------------------------------|---------------------|
| Malaysia     | 100,000        | 7,000                | 24                | Development of Lifecycle Management Plan for Controlled Substances | Annex 1             |
| <b>Total</b> | <b>100,000</b> | <b>7,000</b>         |                   |                                                                    |                     |

**Annex 1: Request for the Development of Lifecycle Management Plan for Controlled Substances for Malaysia**

**MULTILATERAL FUND FOR THE  
IMPLEMENTATION OF THE MONTREAL PROTOCOL**

**FUNDING REQUEST FOR THE PREPARATION OF NATIONAL INVENTORIES OF BANKS OF USED OR UNWANTED CONTROLLED SUBSTANCES AND A PLAN FOR THE COLLECTION, TRANSPORT AND DISPOSAL OF SUCH SUBSTANCES, INCLUDING CONSIDERATION OF RECYCLING, RECLAMATION AND COST-EFFECTIVE DESTRUCTION**

**Part I: Project information**

|                                                                                                                                                                         |                                                                                                                                             |     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-----|
| <b>Project title:</b>                                                                                                                                                   | Preparation of a national inventory of banks of controlled substances and development of a national plan for management of these substances |     |
| <b>Country:</b>                                                                                                                                                         | Malaysia                                                                                                                                    |     |
| <b>Lead implementing agency:</b>                                                                                                                                        | World Bank                                                                                                                                  |     |
| <b>Cooperating agency:</b>                                                                                                                                              | (select)                                                                                                                                    | N/A |
| <b>Meeting where request is being submitted</b>                                                                                                                         | 97 <sup>th</sup>                                                                                                                            |     |
| <b>Implementation period</b>                                                                                                                                            | 2026-2028                                                                                                                                   |     |
| <b>Duration of implementation (i.e., time (in months)) from the approval of PRP to submission of the national inventory and action plan (please specify):</b> 24 months |                                                                                                                                             |     |
| <b>Funding requested:</b>                                                                                                                                               |                                                                                                                                             |     |
| <b>Agency</b>                                                                                                                                                           | <b>Funding requested (US \$)*</b>                                                                                                           |     |
| World Bank                                                                                                                                                              | 107,000 including support costs                                                                                                             |     |

\*Details should be consistent with information provided in the relevant sections below.

**Part II: Prerequisites for submission**

| Item                                                                                                                                                                                                                                        | Yes                                 | No                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|--------------------------|
| Official endorsement letter from Government, indicating roles of respective agencies (where more than one IA is involved), and that the national inventory/action plan will be completed within 24 months from the date of project approval | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Project included in the bilateral/IA business plan?                                                                                                                                                                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| If <b>NO</b> , please provide explanation:                                                                                                                                                                                                  |                                     |                          |
| <ul style="list-style-type: none"> <li>The endorsement letter is under clearance by the Government of Malaysia and will be submitted by October 13, 2025.</li> </ul>                                                                        |                                     |                          |

**A. Information required for PRP funding request for the national inventories of banks of used or unwanted controlled substances and a plan for the collection, transport and disposal of such substances, including consideration of recycling, reclamation and cost-effective destruction**

|                                                                                                                                                                                                                                                                                                                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>1. Brief overview of the the concept, methodology and approach to be taken for the preparation of the national inventory and / or action plan and how it is linked to other activities in the country (i.e., national plans like the KIP), in particular those activities in the refrigeration servicing sector such as recovery, recycling, and reclamation programmes</b></p> |
| <p>The proposed national inventory and plan will complement Malaysia's approved Stage I Kigali Implementation Plan (KIP) whereby recovery and recycling efforts are to be strengthened to reduce demand for and emissions of HFCs, for example by introducing electronic tracking of refrigerants. The ultimate goal of the activity is to assist</p>                                 |

the Government of Malaysia to develop a plan (predicated on a solid understanding of controlled substances already in the country), including a financially self-sustaining business model, to ensure there is a supply of both HCFCs and HFCs as needed over time and across sectors, even after controls are in place that limit virgin material in the market. In order to craft such a plan, the following information would be needed: i) the amount and type of currently installed controlled substances; ii) the existing flow of and market for refrigerants and fire suppression agents and available and planned infrastructure (including under the KIP and Stage III HCFC Phaseout Management Plan (HPMP III) for tracking, monitoring, recovering and storing these chemicals; iii) the existing regulatory framework and system related to trade in chemicals and to waste management as well as recovery and recycling of MP controlled substances; iv) models and lessons learned from other countries in Southeast Asia that have a life-cycle management approach, or elements of an approach in place; v) technical capacity to analyze content and quality of reclaimed materials and purity standards of reclaimed materials required/expected by the market and how to ensure these are achieved; and vi) demand for recovered, recycled controlled substances within Malaysia and the Region as well as options for destruction of F-gases that comply with MP requirements and any opportunities for financing such disposal.

After understanding the current situation, the proposed activity will analyze the information and data collected, including estimating future streams (amounts and types of substances) for recovery, reuse or destruction. One of the main objectives will be to quantify real and sustained reductions in CO<sub>2</sub>eq. emissions that Malaysia can claim in its Nationally Determined Contribution (NDC) and other climate related strategies and plans, for example towards its 2050 net zero goal. Financial analysis, most critically the break-even cost for a viable, self-sustained scheme will be conducted. Designing a scheme, or business model(s), and required regulation, infrastructure and other investments to make it viable will be done in close consultation with the various stakeholders in the country as well as external players that have already experience in the field. In the consultation process, the use of “insiders” to develop the inventory (i.e. industry associations) will be leveraged to further business partnerships and public-private sector cooperation, some of which will have already been underway through the HPMP and KIP. Recommendations will be formulated to assist the country and stakeholders to institute and implement the proposed life-cycle management plan, especially related to refrigerants, building on the country’s current import/export/destruction system, and to scale-up recovery, recycling and reuse of controlled substances across MP sectors and possibly across countries.

The development of the plan and business model will draw from recent experience in Thailand and Viet Nam which both are developing inventories and plans with World Bank support and possibly tap into expertise from the work in these countries.

**2. Description of activities that will be implemented during the preparation of the national inventories/action plans of banks for used and/or unwanted controlled substances and an indication of the estimated costs for the activities described broken down per agency**

| Activity                  | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Agency     |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| Data collection           | Data collection will determine the installed stock of refrigeration and air-conditioning (RAC) equipment, including estimates on the amount and types of refrigerants used. A consulting firm that is versed in the sector including mobile / transport RAC, such as an industry association, will be selected (following competitive selection). The focus will be on larger units whereas for smaller appliances and equipment, statistical data and modeling will be used. Part of data collection will entail research of bankable management models in non-A5 and other A5 countries. Fire suppressant agents installed will also be estimated through cooperation with the industry association. The study will also investigate current in-country capacity to analyze quality of recovered and reclaimed materials. | World Bank |
| Stakeholder consultations | Consultations with importers of controlled substances, major equipment suppliers, associations such as the Malaysian Air-conditioning & Refrigeration Association (MACRA) and Malaysia Automotive Association (MAA), waste management and disposal operators, larger servicing shops and authorized dealers and regulators from ministries of                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | World Bank |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | industry, environment, energy and finance (Customs). Consultations with companies active in the Region that specialize in recovery, reclamation, disposal and tracing refrigerants and to the extent possible companies engaging in carbon market trading, will also be consulted.                                                                                                                                                                                                                                                                                                                                             |                |
| Analysis of data collected                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Analysis of collected data and modelling of quantities of equipment and controlled substances that will be decommissioned, available for collection over time by type of substance. The focus will also be given to collection options to minimize transaction costs of a recovery and recycling (R&R) and disposal scheme. The break-even cost of R&R and destruction will be calculated. Assessment of Malaysia's infrastructure and regulatory framework for lifecycle management of controlled substances, including the most recent initiatives through public-private cooperation, and relevant laws will be undertaken. | World Bank     |
| Preparation of inventory report/national plan                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | A lifecycle management plan for controlled substances will be developed to track and manage refrigerants and possibly, fire suppression agents from first import through recovery and disposal (including destruction). The starting point for the plan, namely the existing inventory of controlled substances will be described as well as the results of the analysis, financing scheme and additional requirements if any, and recommendations for implementation, including needed infrastructure, facilities and equipment, and complementary actions needed or proposed in the KIP and HPMP III.                        | World Bank     |
| <b>3. Funding for the activities described in 2 above</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |
| <b>Activity</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>Indicative funding (US \$)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>Agency</b>  |
| Data collection consultant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 40,000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | World Bank     |
| In country stakeholder consultation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 15,000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | World Bank     |
| Expert time for data analysis                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 20,000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | World Bank     |
| Expert time for designing a viable lifecycle management plan and sustainable business model(s)                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 20,000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | World Bank     |
| Report preparation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 5,000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | World Bank     |
| <b>TOTAL</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>100,000</b> |
| <b>4. How will the Multilateral Fund gender policy be considered during project preparation?</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |
| The Government of Malaysia has a gender policy as does the World Bank which facilitates implementation of the Multilateral Fund gender policy. Relevant stakeholders will be sensitized on the gender policy and efforts will be made to encourage female stakeholders to contribute to the inventory and design of the proposed scheme/action plan for managing refrigerants and fire suppression agents and other related controlled substances. To the extent relevant, gender-disaggregated data will be collected in consultations and workshops. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |