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| **UNITED NATIONS** | | **EP** |
|  | **United Nations**  **Environment**  **Programme** | Distr.  GENERAL  UNEP/OzL.Pro/ExCom/86/19  23 October 2020  ORIGINAL: ENGLISH |

EXECUTIVE COMMITTEE OF  
 THE MULTILATERAL FUND FOR THE  
 IMPLEMENTATION OF THE MONTREAL PROTOCOL  
Eighty-sixth Meeting

Montreal, 2-6 November 2020

Postponed to 8-12 March 2021[[1]](#footnote-1)

**PROGRESS REPORT OF UNIDO as at 31 december 2019**

# This document presents the progress report of UNIDO as at 31 December 2019.[[2]](#footnote-2)

**Introduction**

# The progress report of UNIDO includes the status of implementation of projects, including 35 HFC‑related projects that have been funded under the additional voluntary contributions by 17 non‑Article 5 Parties to provide fast-start support for implementation of the Kigali Amendment.

# The Secretariat reviewed the status of implementation of each ongoing project on a country‑by‑country basis, taking into account implementation delays that have occurred with respect to planned completion dates that had been reported in 2019, the potential impact of these delays on the phase‑out of controlled substances and the rate of planned disbursements. The analysis contained in the present document is based on ODP tonnes for all controlled substances (including HFCs which should be measured in mt CO2-eq).[[3]](#footnote-3)

Scope of the document

# This document consists of the following parts:

## Part I: Projects approved under the regular contributions to the Multilateral Fund. It presents a summary of progress in implementation of projects for 2019 and cumulative since 1991 addressing all controlled substances under the Montreal Protocol, including Annex F substances (HFCs); it contains a review on the status of implementation of each ongoing[[4]](#footnote-4) project at the country level; and it identifies projects with implementation delays and the potential impact on the phase-out of controlled substances, and projects with outstanding issues for consideration by the Executive Committee.

## Part II: Projects approved under the additional voluntary contributions for fast‑start support for HFC phase-down. It provides a summary on the status of implementation of HFC phase‑down projects funded under the voluntary contributions.[[5]](#footnote-5)

## Recommendation.

# The document also contains the following annexes:

Annex I: A summary status and a recommendation for each ongoing project with outstanding issues for consideration by the Executive Committee.

Annex II: An analysis of the progress report.

Part I: Projects approved under the regular contributions to the Multilateral Fund

**Summary of progress in implementation of projects for 2019 and cumulative**

# Implementation of projects and activities by UNIDO for 2019 and cumulative since 1993[[6]](#footnote-6) up to 31 December 2019, is summarized as follows:

## **Phase-out:**[[7]](#footnote-7) In 2019, 219 ODP tonnes of consumption of controlled substances were phased out and an additional 148.7 ODP tonnes of consumption of controlled substances were approved for phase‑out. Since 1993, 63,048 ODP tonnes of consumption of controlled substances and 17,381 ODP tonnes of production of controlled substances had been phased out, of an expected total of 81,941 ODP tonnes from projects approved (excluding cancelled and transferred projects);

## **Disbursements/approvals:** In 2019, US $18.56 million was disbursed and US $23.58 million was planned for disbursement based on the 2018 progress report, representing a rate of disbursement of 79 per cent of that planned. Cumulatively, US $740.69 million had been disbursed out of the total US $839.66 million approved for disbursement (excluding agency support costs), representing a rate of disbursement of 88 per cent. In 2019, US $19.51 million was approved for implementation;

## **Cost-effectiveness (in ODP):**[[8]](#footnote-8)Since 1993, the average cost-effectiveness of investment projects approved leading to a permanent reduction in consumption was US $11.12/kg and for all production sector activities (CFC and methyl bromide (MB)) was US $2.90/kg. The average cost‑effectiveness of investment projects per ODP tonne was US $7.06/kg for completed projects and US $48.02/kg for ongoing projects;[[9]](#footnote-9)

## **Number of projects completed:** In 2019, 33 projects were completed. Since 1993, 1,556 projects of the 1,793 projects approved (excluding closed or transferred projects) were completed, representing a completion rate of 87 per cent;

## **Speed of delivery – investment projects:** Projects that were completed in 2019 were completed on average 53 months after their approval. Since 1993, the average time for completion of investment projects has been 38 months after their approval. First disbursements under these projects occurred, on average, nine months after they had been approved;

## **Speed of delivery – non-investment projects:** Projects that were completed in 2019 were completed on average 37 months after their approval. Since 1993, the average time for completion of non-investment projects has been 35 months after their approval. First disbursements under these projects occurred, on average, ten months after they had been approved;

## **Project preparation:** Of the 531 project preparation activities approved by the end of 2019, 475 have been completed, leaving 56 ongoing activities. In 2019, three preparation activities have been completed;

## **Implementation delays:** A total of 237 projects were under implementation at the end of 2019, experiencing, on average, a delay of 26 months. Forty-seven of these projects are classified as “projects with implementation delays”[[10]](#footnote-10) that are subject to the procedures of project cancellation (as demonstration projects, project preparation, and IS are not subject to those procedures); and

## **Multi-year agreements (MYAs)**: In 2019, one MYA for ODS phase-out, one MYA for MB production phase‑out and 70 MYAs for HCFC phase-out management plans (HPMPs) were under implementation. Since 1993, 157 MYAs have been approved and 85 MYAs have been completed, representing a completion rate of 54 per cent.

Project implementation progress in 2019

# Further to the review process, a number of issues were discussed and satisfactorily addressed, except for 47 projects classified as projects with implementation delays (including 45 projects related to components of MYAs that are subject to procedures for project cancellation, in line with decision 84/45(c); one project for the phase‑out of MB; and one national phase‑out plan). Annex I to the present document presents those projects classified with implementation delays, and the Secretariat’s recommendation requesting the submission of a report to the 87th meeting.

# In addition, a number of issues were identified regarding projects or tranches of MYAs for the phase-out of HCFCs; one chiller project; and IS renewal projects. These issues are also presented in Annex I to the present document. For each of these projects, a brief description on the status of implementation and the outstanding issues are presented and a recommendation is proposed for consideration by the Executive Committee.

# Details of progress in implementation of projects associated with the HPMPs for Bolivia (Plurinational State of),[[11]](#footnote-11) Brazil,[[12]](#footnote-12) Ecuador,[[13]](#footnote-13) the Gambia,[[14]](#footnote-14) Guatemala,[[15]](#footnote-15) Honduras,[[16]](#footnote-16) the Islamic Republic of Iran,[[17]](#footnote-17) Myanmar,[[18]](#footnote-18) Nicaragua,[[19]](#footnote-19) North Macedonia,[[20]](#footnote-20) Oman,[[21]](#footnote-21) Qatar,[[22]](#footnote-22) Rwanda,[[23]](#footnote-23) the Sudan,[[24]](#footnote-24) Turkmenistan,[[25]](#footnote-25) Uganda,[[26]](#footnote-26) and Zambia,[[27]](#footnote-27) and reports on projects with specific reporting requirements[[28]](#footnote-28) associated with Argentina (HPMP), the Democratic People’s Republic of Korea (HPMP), Egypt (HPMP), Lebanon (ODS disposal), Libya (HPMP), Mexico (HPMP), and Tunisia (HPMP), and China (HPMP, MB production phase‑out plan),[[29]](#footnote-29) have been submitted to the 86th meeting. Recommendations for outstanding issues for these projects, including approval of extension requests, if any, are addressed in the relevant sections of these documents. The issues relating to the HPMPs for Bangladesh, Mali, Mauritania, Nigeria and South Sudan, are addressed in the document on tranche submission delays.[[30]](#footnote-30) Outstanding issues for the remaining ongoing projects not included in Annex I to the present document, and requests for extension of date of completion, are addressed below.

# Of the 166 ongoing projects, excluding IS and project preparation, 76 projects have revised planned dates of completion since the 2018 progress report.

# In line with decision 82/11(c)(ii), the Secretariat noted that renewal of the IS project for Syrian Arab Republic had not been submitted for the last two years. UNIDO explained that the main reason for the delay is the large balance still available mainly on accountof slow progress in implementation; however, it is planning to submit the renewal request in 2021.

# In line with decision 82/11(b),[[31]](#footnote-31) UNIDO has requested the extension of the duration of three projects relating to HPMPs for two countries, implementation of which is beyond the completion date as per their respective Agreements with the Executive Committee; one project related to HCFC phase‑out; one metered‑dose inhaler project; one chiller project; and two projects related to the phase‑out of ODS. Thereasons for the requests for extension of completion dates for these projects are shown in Table 1.

**Table 1. Projects for which an extension of the completion dates has been requested**

| **Country/Project code** | **Project title** | **Disbur-sement**  **(%)** | **Status/issues** | **Original date of completion** | **Date of completion requested** |
| --- | --- | --- | --- | --- | --- |
| Egypt  EGY/ARS/50/INV/92 | Phase-out of CFC consumption in the manufacture of aerosol metered‑dose inhalers (MDIs) | 98 | Delays in completing pending activities including test data assessment and finalisation of registration process due to delays in final approval steps | 30 Jun 2020 | 31 Dec 2020 |
| Iraq  IRQ/PHA/58/INV/09 | National phase-out plan (first tranche) | 89 | Delays due to logistics issues on obtaining visas for international consultants followed by COVID-19 travel restrictions. Additional time is required for consultant or contractor to travel to complete installation, trial runs and commissioning | 31 Dec 2019 | 30 Jun 2021 |
| Iraq  IRQ/REF/57/INV/07 | Replacement of refrigerant CFC-12 with isobutane and foam blowing agent CFC-11 with cyclopentane in the manufacture of domestic refrigerators and chest freezers at Light Industries Company | 89 |
| Iraq  IRQ/PHA/74/INV/23 | HCFC phase-out management plan (stage I, second tranche) (refrigeration servicing sector) | 19 | The laboratories associated with the reclamation centres are not fully operational due to delays in completion of procurement and delivery of equipment | 31 Dec 2020 | 31 Dec 2021 |
| Iraq  IRQ/PHA/84/INV/29 | HCFC phase-out management plan (stage I, third tranche) (refrigeration servicing sector) | 0 | Procurement of equipment for servicing training is expected to be completed by the end of 2020; all remaining activities are therefore expected to be completed by December 2021 | 31 Dec 2020 | 31 Dec 2021 |
| Serbia  YUG/PHA/84/INV/51 | HCFC phase-out management plan (stage I, fourth tranche) | 0 | The last tranche under stage I was approved at the 84th meeting; activities are being delayed due to COVID‑19 restrictions | 31 Dec 2020 | 30 Jun 2021 |
| Syrian Arab Republic  SYR/REF/62/INV/103 | Phase-out of HCFC-22 and HCFC-141b from the manufacture of unitary air‑conditioning equipment and rigid polyurethane insulation panels at Al Hafez Group | 28 | Delays due to country situation and COVID‑19 restrictions; extension to 31 December 2021 needed for completing the remaining activities relating to purchase, installation and commissioning of equipment | 31 Dec 2020 | 31 Dec 2021 |
| Global  GLO/REF/80/DEM/344 | Global chiller replacement project (Argentina) | 9 | Financial situation in the country has delayed finalization of the financial terms with beneficiaries on account of changes in the borrowing rates | 31 Dec 2020 | 31 Dec 2021 |

# The Executive Committee may wish to approve the extension of the projects contained in Table 1 above, to the date indicated in the last column.

# Stage I of the HPMP for Saudi Arabia

# Stage I of the HPMP for Saudi Arabia, approved at the 68th meeting[[32]](#footnote-32) and under implementation by UNIDO (lead agency) and UNEP (cooperating agency), had experienced major implementation delays. At its 84th meeting, the Executive Committee considered document UNEP/OzL.Pro/ExCom/84/25 on Tranche submission delays and urged the Government of Saudi Arabia through UNIDO to submit to the 85th meeting (i) a comprehensive report demonstrating that the conditions specified in Appendix 8-A of its Agreement had been met;[[33]](#footnote-33) (ii) the request for the fifth (2016) tranche, with a revised plan of action to take into account the reinstatement of the funds that had been returned to the 81st meeting in line with decisions 77/54(f) and 81/2(a)(xii) and the reallocation of the 2016 and subsequent tranches; and (iii) the verification of consumption for 2016, 2017, 2018 and 2019. The Committee also decided that if this information was not received to the 85th meeting, stage I of the HPMP would be cancelled and the country could submit a request for project preparation for stage II (decision 84/45(b)).[[34]](#footnote-34) On 3 February 2020, the Secretariat sent a letter to the Government of Saudi Arabia informing the country of the decision adopted by the Committee.

# At the 85th meeting, UNIDO did not submit the requested information, and therefore, the project should be cancelled. During the review process of the 2019 progress reports, the Secretariat had extensive discussions with UNIDO and UNEP on the cancellation of the project components of the HPMP (eight under UNIDO and three under UNEP).[[35]](#footnote-35) During the discussions, the Secretariat was informed that in the case of the UNIDO components, no new activities would be initiated, and projects would be completed and balances would be returned as soon as possible.

# The eight project components under UNIDO’s implementation include three activities in the refrigeration servicing sector and five activities relating to conversion project and technical assistance in the foam sector, as shown in Table 2. The Secretariat noted that:

## UNIDO agreed to return the remaining balances relating to the three servicing sector projects (SAU/PHA/68/INV/17, SAU/PHA/72/INV/20 and SAU/PHA/75/INV/25) to the 86th meeting;

## In the case of the five projects relating to the foam sector, it was agreed that UNIDO would: identify a buyer for equipment procured for Al-Watania Plastics (SAU/FOA/62/INV/13); identify another eligible enterprise that wishes to use the equipment procured for Hesco, which decided not to participate in the project due to a fire incident at their facility, or auction the equipment if no eligible enterprise could be found (SAU/PHA/68/INV/19); install equipment that have already been procured in Jundi Systems House at their new facility (SAU/PHA/72/INV/21); install equipment that were procured in Al Mutlak and Sahari (SAU/PHA/75/INV/24); and complete training for spray foam enterprises (SAU/PHA/77/INV/31). It was further agreed that UNIDO would submit an annual progress report on the implementation of remaining activities under stage I, to the last meeting of the Executive Committee of each year, until their completion, and that stage II would be considered only after financial completion of stage I.

# **Table 2. Ongoing tranches of stage I of the HPMP for Saudi Arabia under implementation by UNIDO**

| **Project code** | **Project title** | **Disburse-ment (%)** | **Status** |
| --- | --- | --- | --- |
| SAU/FOA/62/INV/13 | Phase-out of HCFC-22 and HCFC-142b from the manufacture of extruded polystyrene panel at Al‑Watania Plastics | 53 | 12 months delays; delay in identifying the buyer for equipment that was procured for the project; the enterprise decided not to participate in the project after procurement of equipment |
| SAU/PHA/68/INV/17 | HCFC phase-out management plan (stage I, first tranche) (refrigeration servicing and monitoring) | 88 | 12 months delays; no new activities to be initiated under this project as it was cancelled (decision 84/45(b) and (c)) |
| SAU/PHA/68/INV/19 | HCFC phase-out management plan (stage I, first tranche) (polyurethane foam sector plan) | 100 | 12 months delays; the equipment procured for one of the three enterprises (Hesco) that had a fire incident could be either be used in another eligible enterprise or auctioned in case no eligible enterprise could be found |
| SAU/PHA/72/INV/20 | HCFC phase-out management plan (stage I, second tranche) (refrigeration servicing and monitoring) | 45 | 12 months delays; no new activities to be initiated under this project as it was cancelled (decision 84/45(b) and (c)) |
| SAU/PHA/72/INV/21 | HCFC phase-out management plan (stage I, second tranche) (polyurethane foam sector plan) | 71 | 12 months delays; there was a fire in Jundi Systems House, which is one of the enterprises covered under the project. The enterprise has initiated construction of the new facility. The equipment for this systems house was procured and would be installed in the new building in the next 12 months |
| SAU/PHA/75/INV/24 | HCFC phase-out management plan (stage I, third tranche) (polyurethane foam sector plan) | 59 | 12 months delays; only installation of equipment that was procured at two enterprises (Al Mutlak and Sahari) is to be completed; no new activities to be initiated under this project as it was cancelled (decision 84/45(b) and (c)) |
| SAU/PHA/75/INV/25 | HCFC phase-out management plan (stage I, third tranche) (refrigeration servicing and monitoring) | 70 | 12 months delays; no new activities to be initiated under this project as it was cancelled (decision 84/45(b) and (c)) |
| SAU/PHA/77/INV/31 | HCFC phase-out management plan (stage I, fourth tranche) (polyurethane foam sector plan) | 21 | Training programme for the spray foam enterprises, which was delayed due to COVID‑19, is to be completed |

Part II: Projects approved under the additional voluntary contributions for fast-start support for HFC phase-down

# As of 31 December 2019, the Executive Committee had approved 35 HFC-related projects under the additional voluntary contributions, amounting to US $8,089,434 (excluding agency support costs). A summary of the status of these projects is presented in Table 3.

# **Table 3. Status of approved HFC-related projects as of the end of 2019**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Type** | **Number of projects** | | | **Funding (US $)\*** | | | |
| **Approved** | **Completed** | **% completed** | **Approved** | **Disbursed** | **Balance** | **% disbursed** |
| Investment\*\* | 3 | 0 | 0 | 3,912,736 | 1,522,952 | 2,389,784 | 39 |
| Project preparation | 4 | 3 | 75 | 119,755 | 95,807 | 23,948 | 80 |
| Technical assistance - Enabling activities | 28 | 4 | 14 | 4,056,943 | 2,072,872 | 1,984,071 | 51 |
| **Total** | **35** | **7** | **20** | **8,089,434** | **3,691,631** | **4,397,803** | **46** |

\*Excludes agency support costs.

\*\* Phase-out of 265.1 mt (508,586 mt CO2-eq.) of HFCs.

# As of the end of 2019, of the 35 projects approved, three preparation activities and four enabling activities had been completed, leaving 28 ongoing. Extension of the completion dates of 22 out of 24 ongoing enabling activities was approved at the 83rd meeting (15 projects) and at the 84th meeting (seven projects); these activities are at various stages of implementation.

# Ongoing investment projects include three refrigeration projects in Argentina, Lebanon and Mexico, approved at the 81st meeting with fund disbursement in two projects; these projects will be completed in 2020 and 2021.

# Of the total cumulative funding approved of US $8,089,434, US $3,691,631 had been disbursed representing a disbursement rate of 46 per cent.

# **Recommendation**

# The Executive Committee may wish:

## To note the progress report of UNIDO as at 31 December 2019 contained in document UNEP/OzL.Pro/ExCom/86/19;

## To approve the recommendations related to ongoing projects with specific issues contained in Annex I to the present document;

## To approve, on an exceptional basis, the extension, to 31 December 2020, of the phase-out of CFC consumption in the manufacture of aerosol metered‑dose inhalers (MDIs) for Egypt (EGY/ARS/50/INV/92), to complete final activities relating to registration, noting that there would be no further extensions and to request UNIDO to submit the project completion report to the 87th meeting;

## To approve the extension, on an exceptional basis, to 30 June 2021, of the national phase‑out plan for Iraq (first tranche) (IRQ/PHA/58/INV/09) and the replacement of refrigerant CFC-12 with isobutane and foam blowing agent CFC-11 with cyclopentane in the manufacture of domestic refrigerators and chest freezers at Light Industries Company for Iraq (IRQ/REF/57/INV/07), to complete project activities relating to installation and commissioning of equipment at the beneficiary enterprise;

## To approve the extension, to 31 December 2021, of the HCFC phase-out management plan (HPMP) for Iraq (stage I, second and third tranches) (refrigeration servicing sector) (IRQ/PHA/74/INV/23 and IRQ/PHA/84/INV/29), to complete the procurement and delivery of laboratory and service training equipment and related activities;

## To approve the extension, to 30 June 2021, of the HPMP for Serbia (stage I, fourth tranche) (YUG/PHA/84/INV/51) to complete the remaining activities;

## To approve the extension, to 31 December 2021, of the phase-out of HCFC‑22 and HCFC‑141b from the manufacture of unitary air-conditioning equipment and rigid polyurethane insulation panels at Al Hafez Group for Syrian Arab Republic (SYR/REF/62/INV/103), to complete the remaining activities relating to installation and commissioning of equipment;

## To approve the extension, to 31 December 2021, of the global chiller replacement project for Argentina (GLO/REF/80/DEM/344), to complete activities relating to beneficiaries; and

## With regard to the HPMP for Saudi Arabia:

### To cancel the HPMP for Saudi Arabia (stage I, first, second and third tranches) (refrigeration servicing and monitoring) (SAU/PHA/68/INV/17, SAU/PHA/72/INV/20, and SAU/PHA/75/INV/25) and (stage I, third tranche) (polyurethane foam sector plan) (SAU/PHA/75/INV/24), in line with decision 84/45(b) and (c), and request UNIDO to return the remaining balances to the 87th meeting;

### To request UNIDO to submit an annual progress report on the implementation of remaining activities of the project for phase-out of HCFC-22 and HCFC-142b from the manufacture of extruded polystyrene panel at Al‑Watania Plastics (SAU/FOA/62/INV/13) and of the HPMP for Saudi Arabia (stage I, first, second and fourth tranches) (polyurethane foam sector plan) (SAU/PHA/68/INV/19, SAU/PHA/72/INV/21 and SAU/PHA/77/INV/31) to the last meeting of the Executive Committee of each year until their completion; and

### To note that stage II of the HPMP for Saudi Arabia would only be considered after the project completion report and the financial completion report of stage I have been submitted, and all remaining funding balances have been returned to the Multilateral Fund.

**Annex I**

## **ONGOING PROJECTS WITH OUTSTANDING ISSUES IN THE PROGRESS REPORT FOR UNIDO**

| **Country/project code** | **Project title** | **Disbursement (%)** | **Status/Issues** | **Recommendation** |
| --- | --- | --- | --- | --- |
| Algeria  ALG/PHA/66/INV/76 | HCFC phase-out management plan (stage I, first tranche) (conversion from HCFC-22 in the manufacture of room air conditioners at Condor) | 64 | 12 months delays | To request UNIDO to report to the 87th meeting on this project with implementation delays |
| Algeria  ALG/PHA/66/INV/77 | HCFC phase-out management plan (stage I, first tranche) (activities in the refrigeration servicing sector including phase-out of HCFC-141b used for flushing, and project monitoring) | 41 | 12 months delays | To request UNIDO to report to the 87th meeting on this project with implementation delays |
| Argentina  ARG/PHA/74/INV/174 | HCFC phase-out management plan (stage I, second tranche) (refrigeration servicing sector) | 58 | 12 months delays | To request UNIDO to report to the 87th meeting on this project with implementation delays |
| Argentina  ARG/PHA/80/INV/184 | HCFC phase-out management plan (stage II, first tranche) (foam sector) | 11 | 12 months delays | To request UNIDO to report to the 87th meeting on this project with implementation delays |
| Bahamas (the)  BHA/PHA/80/INV/25 | HCFC phase-out management plan (stage I, third tranche) | 0 | (i) 18 months delays  (ii) No disbursement due to changes in the implementation plan | (i) To request UNIDO to report to the 87th meeting on this project with implementation delays;  (ii) To request a status report to the 87th meeting on the implementation progress and on the level of funds disbursement |
| Bosnia and Herzegovina  BHE/PHA/72/INV/29 | HCFC phase-out management plan (stage I, second tranche) (activities in the refrigeration servicing sector including policy actions) | 90 | 12 months delays | To request UNIDO to report to the 87th meeting on this project with implementation delays |
| Bosnia and Herzegovina  BHE/PHA/76/INV/33 | HCFC phase-out management plan (stage I, third tranche) (activities in the refrigeration servicing sector including policy actions) | 86 | 12 months delays | To request UNIDO to report to the 87th meeting on this project with implementation delays |
| Burundi  BDI/PHA/81/INV/37 | HCFC phase-out management plan (stage I, third tranche) | 0 | No disbursement as payment due on delivery of equipment is expected in 2020 | To request a status report to the 87th meeting on the level of funds disbursement |
| Cameroon  CMR/PHA/82/INV/45 | HCFC phase-out management plan (stage II, first tranche) | 4 | 12 months delays | To request UNIDO to report to the 87th meeting on this project with implementation delays |
| China  CPR/PHA/64/INV/513 | HCFC phase-out management plan (room air-conditioner manufacturing sector plan) (stage I, first tranche) | 90 | 12 months delays | To request UNIDO to report to the 87th meeting on this project with implementation delays |
| China  CPR/PHA/68/INV/524 | HCFC phase-out management plan (stage I, second tranche) (room air‑conditioner manufacturing sector plan) | 90 | 12 months delays | To request UNIDO to report to the 87th meeting on this project with implementation delays |
| China  CPR/PHA/71/INV/536 | HCFC phase-out management plan (stage I, third tranche) (room air‑conditioner manufacturing sector plan) | 90 | 12 months delays | To request UNIDO to report to the 87th meeting on this project with implementation delays |
| China  CPR/PHA/73/INV/548 | HCFC phase-out management plan (stage I, fourth tranche) (room air‑conditioner manufacturing sector plan) | 90 | 12 months delays | To request UNIDO to report to the 87th meeting on this project with implementation delays |
| China  CPR/PHA/75/INV/564 | HCFC phase-out management plan (stage I, fifth tranche) (room air‑conditioner manufacturing sector plan) | 30 | 12 months delays | To request UNIDO to report to the 87th meeting on this project with implementation delays |
| China  CPR/PRO/73/INV/552 | Sector plan for methyl bromide production sector (fourth tranche) | 90 | 12 months delays | To request UNIDO to report to the 87th meeting on this project with implementation delays |
| Cote d’Ivoire  IVC/PHA/66/INV/36 | HCFC phase-out management plan (stage I, first tranche) | 40 | 12 months delays | To request UNIDO to report to the 87th meeting on this project with implementation delays |
| Democratic People's Republic of Korea (the)  DRK/PHA/73/INV/59 | HCFC phase-out management plan (stage I, first tranche) (phase-out of HCFC-141b in polyurethane foam sector at Pyongyang Sonbong and Puhung Building Materials) | 22 | (i) 12 months delays;  (ii) Implementation subject to United Nations Security Council (UNSC) resolutions | (i) To request UNIDO to report to the 87th meeting on these projects with implementation delays;  (ii) To request a status report to the 87th meeting on implementation progress including updates on the resumption of activities |
| Democratic People's Republic of Korea (the)  DRK/PHA/73/TAS/60 | HCFC phase-out management plan (stage I, first tranche) (refrigeration servicing and monitoring) | 89 |
| Democratic People's Republic of Korea (the)  DRK/PHA/75/INV/62 | HCFC phase-out management plan (stage I, second tranche) (phase-out of HCFC-141b in polyurethane foam sector at Pyongyang Sonbong and Puhung Building Materials) | 24 |
| Democratic People's Republic of Korea (the)  DRK/PHA/77/INV/64 | HCFC phase-out management plan (stage I, third tranche) (policy, refrigeration servicing and monitoring) | 1 |
| Egypt  EGY/PHA/79/INV/133 | HCFC phase-out management plan (stage II, first tranche) (polyurethane foam sector) | 0 | 18 months delays | To request UNIDO to report to the 87th meeting on this project with implementation delays |
| Egypt  EGY/PHA/82/INV/140 | HCFC phase-out management plan (stage I, third tranche) (enabling activities in the refrigeration and air‑conditioning sector) | 37 | 12 months delays | To request UNIDO to report to the 87th meeting on this project with implementation delays |
| Eritrea  ERI/PHA/84/PRP/18 | Preparation of a HCFC phase-out management plan (stage II) | 0 | Activities delayed due to lack of response from national ozone unit (NOU) | To request a status report to the 87th meeting on progress in stage II preparation |
| Gabon  GAB/PHA/79/INV/34 | HCFC phase-out management plan (stage I, third tranche) | 0 | 18 months delays | To request UNIDO to report to the 87th meeting on this project with implementation delays |
| Iraq  IRQ/PHA/58/INV/09 | National phase-out plan (first tranche) | 89 | 12 months delays | To request UNIDO to report to the 87th meeting on this project with implementation delays |
| Iraq  IRQ/PHA/73/PRP/19 | Preparation of a HCFC phase-out management plan (stage II) | 48 | Stage II was submitted to the 85th meeting and subsequently withdrawn for submission after completion of stage I | To request a status report to the 87th meeting on the submission of stage II |
| Iraq  IRQ/REF/73/PRP/20 | Preparation for HCFC phase-out investment activities (stage II) (air‑conditioning sector) | 0 |
| Iraq  IRQ/PHA/74/INV/23 | HCFC phase-out management plan (stage I, second tranche) (refrigeration servicing sector) | 19 | 12 months delays | To request UNIDO to report to the 87th meeting on this project with implementation delays |
| Jordan  JOR/PHA/77/INV/100 | HCFC phase-out management plan (stage II, first tranche) (polyurethane spray foam sector) | 64 | 12 months delays | To request UNIDO to report to the 87th meeting on this project with implementation delays |
| Jordan  JOR/PHA/77/INV/101 | HCFC phase-out management plan (stage II, first tranche) (refrigeration servicing sector) | 30 | 12 months delays | To request UNIDO to report to the 87th meeting on this project with implementation delays |
| Kuwait  KUW/PHA/66/INV/21 | HCFC phase-out management plan (stage I, first tranche) (extruded polystyrene foam sector phase-out: Gulf Insulating Materials Manufacturing and Trading; Isofoam Insulating Materials Plants; and Al Masaha Company) | 87 | 12 months delays | To request UNIDO to report to the 87th meeting on this project with implementation delays |
| Kuwait  KUW/PHA/74/INV/24 | HCFC phase-out management plan (stage I, second tranche) (polyurethane foam sector phase-out: Kuwait polyurethane Industry Co.; Kirby Building Systems, technical assistance to spray foam users and other small users) | 1 | (i) 12 months delays;  (ii) Activities related to installation of equipment and commissioning delayed due to COVID-19 restrictions | (i) To request UNIDO to report to the 87th meeting on these projects with implementation delays;  (ii) To request a status report to the 87th meeting on implementation progress and on the level of fund disbursement |
| Kuwait  KUW/PHA/74/INV/25 | HCFC phase-out management plan (stage I, second tranche) (extruded polystyrene foam sector phase-out: Gulf Insulating Materials Manufacturing and Trading; Isofoam Insulating Materials Plants; and Al Masaha Company) | 1 |
| Kuwait  KUW/PHA/83/INV/36 | HCFC phase-out management plan (stage I, third tranche) (polyurethane foam sector phase-out) | 0 | Implementation delayed due to COVID‑19 restrictions; expected to start in September 2020 | To request a status report to the 87th meeting on implementation progress and on the level of funds disbursement |
| Kuwait  KUW/PHA/83/TAS/35 | HCFC phase-out management plan (stage I, third tranche) (extruded polystyrene foam sector phase-out) | 0 |
| Kuwait  KUW/PHA/83/TAS/37 | HCFC phase-out management plan (stage I, third tranche) (refrigeration servicing sector) | 0 | Activities including bidding process for reclamation centre equipment delayed due to COVID‑19 restrictions | To request a status report to the 87th meeting on implementation progress and on the level of funds disbursement |
| Libya  LIB/FOA/82/PRP/41 | Preparation for HCFC phase-out investment activities (stage II) (foam sector) | 6 | Implementation slow due to political situation in the country | To request a status report to the 87th meeting on the submission of stage II |
| Libya  LIB/PHA/82/PRP/43 | Preparation of a HCFC phase-out management plan (stage II) | 0 |
| Libya  LIB/PHA/75/INV/36 | HCFC phase-out management plan (stage I, first tranche) (foam sector) | 71 | (i) 12 months delays  (ii) Implementation slow due to political situation in the country | (i) To request UNIDO to report to the 87th meeting on these projects with implementation delays;  (ii) To request a status report to the 87th meeting on implementation progress |
| Libya  LIB/PHA/75/INV/37 | HCFC phase-out management plan (stage I, first tranche) (refrigeration servicing sector) | 54 |
| Libya  LIB/PHA/82/INV/42 | HCFC phase-out management plan (stage I, second tranche) (refrigeration servicing sector) | 0 |
| Mexico  MEX/PHA/73/INV/173 | HCFC phase-out management plan (stage II, first tranche) (phase-out of HCFC-22 and HCFC-141b in solvent) | 99 | 12 months delays | To request UNIDO to report to the 87th meeting on this project with implementation delays |
| Mexico  MEX/PHA/73/INV/174 | HCFC phase-out management plan (stage II, first tranche) (cleaning agent phase-out in refrigeration servicing sector) | 94 | 12 months delays | To request UNIDO to report to the 87th meeting on this project with implementation delays |
| Mexico  MEX/PHA/81/INV/189 | HCFC phase-out management plan (stage II, third tranche) (refrigeration servicing sector) | 2 | Agreement not signed | To request a status report to the 87th meeting on the signing of the agreement and implementation progress |
| Morocco  MOR/PHA/65/INV/68 | HCFC phase-out management plan (stage I, first tranche) (refrigeration servicing sector) | 77 | 12 months delays | To request UNIDO to report to the 87th meeting on this project with implementation delays |
| Morocco  MOR/PHA/68/INV/69 | HCFC phase-out management plan (stage I, second tranche) (refrigeration servicing sector) | 32 | 12 months delays | To request UNIDO to report to the 87th meeting on this project with implementation delays |
| Mozambique  MOZ/PHA/66/INV/23 | HCFC phase-out management plan (stage I, first tranche) | 12 | (i) 12 months delays;  (ii) Confirmation to be received from the NOU on procurement of equipment, pending for several months | (i) To request UNIDO to report to the 87th meeting on this project with implementation delays;  (ii) To request a status report to the 87th meeting on the confirmation of receipt of equipment by the Government |
| Mozambique  MOZ/PHA/83/INV/31 | HCFC phase-out management plan (stage I, third and fourth tranches) | 0 | Procurement plan yet to be finalised pending confirmation of receipt of equipment of the first tranche | To request a status report to the 87th meeting on the procurement plan with the funds approved for the third and fourth tranches |
| Pakistan  PAK/PHA/76/INV/94 | HCFC phase-out management plan (stage II, first tranche) (polyurethane foam sector) | 28 | 12 months delays | To request UNIDO to report to the 87th meeting on this project with implementation delays |
| Pakistan  PAK/PHA/76/TAS/95 | HCFC phase-out management plan (stage II, first tranche) (refrigeration servicing sector) | 7 | 12 months delays | To request UNIDO to report to the 87th meeting on this project with implementation delays |
| South Africa  SOA/FOA/67/INV/03 | HCFC phase-out management plan (stage I, first tranche) (polyurethane foam sector plan) | 98 | 12 months delays | To request UNIDO to report to the 87th meeting on this project with implementation delays |
| South Africa  SOA/PHA/67/TAS/04 | HCFC phase-out management plan (stage I, first tranche) (refrigeration servicing, custom training and monitoring) | 77 | 12 months delays | To request UNIDO to report to the 87th meeting on this project with implementation delays |
| South Africa  SOA/PHA/71/INV/06 | HCFC phase-out management plan (stage I, second tranche) (refrigeration servicing, custom training and monitoring) | 92 | 12 months delays | To request UNIDO to report to the 87th meeting on this project with implementation delays |
| South Africa  SOA/PHA/76/INV/10 | HCFC phase-out management plan (stage I, third tranche) (polyurethane foam sector plan) | 42 | 12 months delays | To request UNIDO to report to the 87th meeting on this project with implementation delays |
| South Africa  SOA/PHA/76/TAS/11 | HCFC phase-out management plan (stage I, third tranche) (refrigeration servicing, custom training and monitoring) | 28 | 12 months delays | To request UNIDO to report to the 87th meeting on this project with implementation delays |
| Syrian Arab Republic  SYR/SEV/73/INS/104 | Extension of institutional strengthening (phase V: 1/2015-12/2016) | 7 | Delay due to security situation in the country | To request a status report to the 87th meeting on implementation progress and on the level of funds disbursement |
| Turkey  TUR/PHA/75/INV/107 | HCFC phase-out management plan (stage I, second tranche) (refrigeration servicing and monitoring) | 18 | 12 months delays | To request UNIDO to report to the 87th meeting on this project with implementation delays |
| Venezuela (Bolivarian Republic of)  VEN/PHA/76/INV/134 | HCFC phase-out management plan (stage II, first tranche) (technical assistance in refrigeration and air-conditioning manufacturing sector) | 64 | (i) 12 months delays  (ii) Implementation slow due to political situation in the country | (i) To request UNIDO to report to the 87th meeting on these projects with implementation delays;  (ii) To request a status report to the 87th meeting on implementation progress |
| Venezuela (Bolivarian Republic of)  VEN/PHA/76/TAS/132 | HCFC phase-out management plan (stage II, first tranche) (refrigeration servicing sector) | 64 |
| Global  GLO/REF/80/DEM/344 | Global chiller replacement project (Argentina) | 9 | Low disbursement rate of approved funds; delays due to financial situation in the country and additional time needed for finalization of the financial terms for implementation with beneficiaries on account of changes in the borrowing rates in the country | To request a status report to the 87th meeting on implementation progress |

Annex II

ANALYSIS OF THE PROGRESS REPORT OF UNIDO AS AT 31 DECEMBER 2019

# This Annex consists of the following two parts:

## Part I: Projects approved under the regular contributions to the Multilateral Fund.

## Part II: Projects approved under the additional voluntary contributions for fast‑start support for HFC phase-down.

Part I: Projects approved under the regular contributions to the Multilateral Fund

# As of 31 December 2019, the Executive Committee had approved US $949.52 million, consisting of US $839.66 million for the implementation of investment and non-investment projects and US $109.86 million for agency support costs, as shown in Table 1. In 2019, 66 new projects and activities were approved. This level of funding is expected to result in the phase-out of 81,941 ODP tonnes of consumption and production of controlled substances.

# **Table 1: Approved funding by sector for UNIDO as at 31 December 2019**

|  |  |
| --- | --- |
| **Sector** | **Funding (US $)** |
| Aerosol | 34,413,701 |
| Destruction | 3,813,216 |
| Foam | 89,362,746 |
| Halon | 1,780,369 |
| Fumigants | 78,028,741 |
| Multiple sectors | 139,440 |
| Other | 11,317,246 |
| Phase-out plan | 340,083,408 |
| Process agent | 6,337,359 |
| Production | 50,645,327 |
| Refrigeration | 182,330,122 |
| Several | 18,165,654 |
| Solvents | 23,247,443 |
| **Sub-total** | **839,664,771** |
| Agency support costs | 109,857,585 |
| **Total** | **949,522,356** |

# A summary of the status of projects implemented by category is presented in Table 2.

**Table 2: Status of project implementation by category**

| **Type** | **Number of projects\*** | | | **Funding (US $)\*\*** | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Approved** | **Completed** | **% completed** | **Approved** | **Disbursed** | **Balance** | **%**  **disbursed** |
| Country programme | 11 | 11 | 100 | 722,669 | 722,669 | 0 | 100 |
| Demonstration | 43 | 40 | 93 | 23,743,122 | 22,109,613 | 1,633,509 | 93 |
| Institutional strengthening (IS) | 86 | 71 | 83 | 13,567,705 | 11,519,989 | 2,047,716 | 85 |
| Investment | 905 | 775 | 86 | 754,270,059 | 666,192,481 | 88,077,578 | 88 |
| Project preparation | 531 | 475 | 89 | 22,300,638 | 20,873,128 | 1,427,509 | 94 |
| Technical assistance | 194 | 161 | 83 | 23,864,044 | 18,073,266 | 5,790,778 | 76 |
| Training | 23 | 23 | 100 | 1,196,535 | 1,196,535 | 0 | 100 |
| **Total** | **1,793** | **1,556** | **87** | **839,664,771** | **740,687,681** | **98,977,090** | **88** |

\*Excludes closed and transferred projects.

\*\*Excludes agency support costs.

# Table 3 presents an overview of the status of project implementation by year[[36]](#footnote-36). All projects and activities approved between 1993 and the end of 2005, as well as 2007, have now been completed.

**Table 3: Status of project implementation by year**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Year** | **Number of projects\*** | | | **Funding (US $)\*\*** | | | |
| **Approved** | **Completed** | **% completed** | **Approved** | **Disbursed** | **Balance** | **% disbursed** |
| 1993 | 22 | 22 | 100 | 11,815,540 | 11,815,540 | 0 | 100 |
| 1994 | 52 | 52 | 100 | 30,645,899 | 30,645,899 | 0 | 100 |
| 1995 | 59 | 59 | 100 | 25,662,092 | 25,662,092 | 0 | 100 |
| 1996 | 46 | 46 | 100 | 19,820,493 | 19,820,493 | 0 | 100 |
| 1997 | 130 | 130 | 100 | 42,083,037 | 42,083,038 | 0 | 100 |
| 1998 | 88 | 88 | 100 | 23,638,291 | 23,638,291 | 0 | 100 |
| 1999 | 123 | 123 | 100 | 34,140,324 | 34,140,324 | 0 | 100 |
| 2000 | 96 | 96 | 100 | 30,180,752 | 30,180,752 | 0 | 100 |
| 2001 | 119 | 119 | 100 | 24,700,254 | 24,700,254 | 0 | 100 |
| 2002 | 76 | 76 | 100 | 35,992,041 | 35,992,041 | 1 | 100 |
| 2003 | 49 | 49 | 100 | 29,997,305 | 29,997,305 | 0 | 100 |
| 2004 | 44 | 44 | 100 | 33,105,459 | 33,105,459 | 1 | 100 |
| 2005 | 74 | 74 | 100 | 52,035,808 | 52,035,807 | 0 | 100 |
| 2006 | 44 | 43 | 98 | 20,760,993 | 20,642,655 | 118,338 | 99 |
| 2007 | 42 | 42 | 100 | 24,186,740 | 24,186,740 | 0 | 100 |
| 2008 | 77 | 75 | 97 | 33,405,264 | 33,103,537 | 301,727 | 99 |
| 2009 | 70 | 68 | 97 | 15,409,470 | 14,695,886 | 713,584 | 95 |
| 2010 | 69 | 66 | 96 | 46,339,532 | 44,462,245 | 1,877,287 | 96 |
| 2011 | 71 | 67 | 94 | 76,639,775 | 72,823,929 | 3,815,846 | 95 |
| 2012 | 52 | 41 | 79 | 32,695,947 | 30,092,576 | 2,603,370 | 92 |
| 2013 | 37 | 35 | 95 | 31,118,928 | 30,212,166 | 906,762 | 97 |
| 2014 | 55 | 39 | 71 | 27,891,730 | 25,243,751 | 2,647,979 | 91 |
| 2015 | 84 | 66 | 79 | 37,430,168 | 19,991,332 | 17,438,836 | 53 |
| 2016 | 58 | 26 | 45 | 36,070,768 | 19,343,837 | 16,726,931 | 54 |
| 2017 | 28 | 8 | 29 | 16,476,598 | 9,812,944 | 6,663,654 | 60 |
| 2018 | 62 | 2 | 3 | 27,913,186 | 2,132,592 | 25,780,594 | 8 |
| 2019 | 66 | 0 | 0 | 19,508,378 | 126,198 | 19,382,180 | 1 |
| **Total** | **1,793** | **1,556** | **87** | **839,664,771** | **740,687,681** | **98,977,090** | **88** |

\*Excludes closed and transferred projects.

\*\*Excludes agency support costs.

# Table 4 presents project implementation by country for 2019.

Table 4. Summary of project implementation by UNIDO for 2019

| **Country** | **Phased out in 2019\***  **(ODP tonnes)** | **Percentage of planned phase-out achieved in 2019** | **Estimated funds disbursed in 2019 (US$)** | **Funds disbursed in 2019 (US$)** | **Percentage of funds disbursed over estimation in 2019** | **Percentage of planned projects completed in 2019** |
| --- | --- | --- | --- | --- | --- | --- |
| Afghanistan | 1.0 |  | 55,001 | 75,569 | 137 | 0 |
| Albania | 1.1 |  | 57,001 | 62,963 | 110 |  |
| Algeria | 0.0 |  | 104,000 | 78,344 | 75 |  |
| Argentina | 0.0 | 0 | 471,000 | 489,338 | 104 | 25 |
| Armenia | 0.0 |  | 56,776 | 70,066 | 123 |  |
| Bahamas (the) | 0.0 |  | 5,000 | 0 | 0 |  |
| Bahrain | 0.0 |  | 94,200 | 96,764 | 103 | 100 |
| Benin | 2.4 |  | 30,000 | 52,496 | 175 |  |
| Bolivia (Plurinational State of) | 0.5 |  | 38,220 | 21,951 | 57 |  |
| Bosnia and Herzegovina | 0.0 |  | 144,948 | 177,620 | 123 | 0 |
| Botswana | 0.0 |  | 50,001 | 14,114 | 28 |  |
| Brazil | 0.0 |  | 932,000 | 818,619 | 88 |  |
| Burkina Faso | 0.0 |  | 50,000 | 25,741 | 51 |  |
| Burundi | 0.0 |  | 16,000 | 1 | 0 | 100 |
| Cameroon | 0.0 |  | 166,886 | 145,377 | 87 | 100 |
| Chad | 0.0 |  | 5,000 | 0 | 0 |  |
| Chile | 0.0 |  | 110,000 | 115,629 | 105 | 100 |
| China | 186.5 | 0 | 11,140,005 | 8,739,889 | 78 | 0 |
| Congo (the) | 0.0 |  | 8,000 | 8,936 | 112 |  |
| Cote d’Ivoire | 0.0 |  | 50,000 | 0 | 0 |  |
| Democratic People’s Republic of Korea (the) | 0.0 |  | 5 | 103,150 | 2062992 |  |
| Ecuador | 0.0 |  | 246,000 | 144,264 | 59 | 100 |
| Egypt | 14.3 |  | 1,610,800 | 561,579 | 35 | 0 |
| Equatorial Guinea | 0.1 |  | 30,000 | 5,787 | 19 |  |
| Eritrea | 0.0 |  | 17,000 | 19,411 | 114 | 100 |
| Ethiopia | 0.0 |  | 5,001 | 0 | 0 |  |
| Gabon | 0.0 |  | 70,000 | 7,534 | 11 | 100 |
| Gambia (the) | 0.0 |  | 15,000 | 26,922 | 179 |  |
| Grenada | 0.0 |  | 27,000 | 27,400 | 101 |  |
| Guatemala | 0.4 |  | 91,000 | 149,019 | 164 |  |
| Guinea-Bissau | 0.0 |  | 16,000 | 7,305 | 46 | 0 |
| Honduras | 2.0 |  | 41,848 | 37,907 | 91 |  |
| Iran (Islamic Republic of) | 1.0 | 100 | 393,600 | 561,395 | 143 | 100 |
| Iraq | 0.0 |  | 228,001 | 28,815 | 13 | 0 |
| Jordan | 0.0 |  | 1,105,000 | 526,444 | 48 |  |
| Kuwait | 0.0 | 0 | 71,967 | 47,427 | 66 | 0 |
| Lebanon | 0.0 |  | 5,000 | 1,101 | 22 | 0 |
| Libya | 0.0 |  | 151,239 | 80,995 | 54 | 0 |
| Madagascar | 0.4 |  | 50,001 | 16,573 | 33 |  |
| Malawi | 0.0 |  | 10,744 | 8,054 | 75 | 100 |
| Mexico | 0.0 |  | 310,000 | 456,330 | 147 | 33 |
| Montenegro | 0.2 |  | 6,700 | 23,801 | 355 | 100 |
| Morocco | 0.0 |  | 285,000 | 221,077 | 78 | 50 |
| Mozambique | 0.0 |  | 50,000 | 0 | 0 |  |
| Myanmar | 0.0 |  | 30,000 | 51,844 | 173 |  |
| Nicaragua | 0.6 |  | 25,029 | 5,443 | 22 |  |
| Niger (the) | 0.0 |  | 25,075 | 25,948 | 103 |  |
| Nigeria | 0.0 |  | 120,001 | 93,940 | 78 |  |
| North Macedonia | 0.0 |  | 62,001 | 91,324 | 147 | 100 |
| Oman | 0.0 |  | 81,758 | 62,865 | 77 | 0 |
| Pakistan | 0.0 |  | 540,000 | 146,226 | 27 |  |
| Philippines (the) | 0.0 |  | 0 | 15,965 | Over |  |
| Qatar | 0.0 | 0 | 86,002 | 85,943 | 100 | 0 |
| Rwanda | 0.0 |  | 30,000 | 5,413 | 18 |  |
| Saint Lucia | 0.0 |  | 18,000 | 3,356 | 19 | 100 |
| Saudi Arabia | 0.0 | 0 | 743,005 | 1,302,351 | 175 | 25 |
| Senegal | 0.0 |  | 55,321 | 0 | 0 | 50 |
| Serbia | 0.0 |  | 225,000 | 233,859 | 104 |  |
| Sierra Leone | 0.1 |  | 20,000 | 35,625 | 178 |  |
| Somalia | 0.0 |  | 6,000 | 14,607 | 243 |  |
| South Africa | 0.0 |  | 275,001 | 298,762 | 109 | 33 |
| Sudan (the) | 7.9 |  | 455,000 | 424,198 | 93 | 100 |
| Suriname | 0.0 |  | 30,000 | 29,431 | 98 |  |
| Syria | 0.0 |  | 57,000 | 12,876 | 23 |  |
| Togo | 0.3 |  | 29,000 | 20,977 | 72 |  |
| Tunisia | 0.0 |  | 395,712 | 319,870 | 81 | 100 |
| Turkey | 0.0 |  | 1,417,869 | 668,743 | 47 | 100 |
| Turkmenistan | 0.0 |  | 88,901 | 115,075 | 129 | 0 |
| Uganda | 0.0 |  | 18,000 | 25,488 | 142 | 100 |
| United Republic of Tanzania (the) | 0.0 |  | 35,000 | 2,368 | 7 |  |
| Venezuela (Bolivarian Republic of) | 0.0 |  | 68,400 | 65,816 | 96 |  |
| Yemen | 0.0 |  | 0 | 160 | Over |  |
| Zambia | 0.0 |  | 1 | 0 | 0 |  |
| Global | 0.0 |  | 146,400 | 258,173 | 176 | 100 |
| Region: ASP | 0.0 |  | 75,000 | 86,368 | 115 | 100 |
| Region: EUR | 0.0 |  | 2,895 | 2,897 | 100 |  |
| **Total** | **219.0** | **0** | **23,582,315** | **18,561,616** | **79** | **48** |

\* No phase-out in 2019 for HFC-related projects.

# Table 5 presents a summary of HFC-related projects approved under regular contributions.

**Table 5. HFC-related projects approved under regular contributions**

| **Type** | **Number of projects** | | | **Funding (US $)\*** | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Approved** | **Completed** | **% completed** | **Approved** | **Disbursed** | **Balance** | **% disbursed** |
| Investment\*\* | 1 | 0 | 0 | 1,637,610 | 403,401 | 1,234,209 | 25 |
| Project preparation | 2 | 1 | 50 | 130,000 | 129,598 | 402 | 100 |
| Technical assistance - Enabling activities | 3 | 0 | 0 | 400,000 | 22,216 | 377,784 | 6 |
| **Total** | **6** | **1** | **17** | **2,167,610** | **555,215** | **1,612,395** | **26** |

\*Excludes agency support costs.

\*\* 118.7 mt (211,512 mt CO2-eq.) was approved for investment projects.

# There are currently six HFC-related projects (including one investment, two preparation and three enabling activities). Of the six projects, one project preparation has been completed, leaving five ongoing. Extension of the completion dates of two enabling activities was approved at the 85th meeting; these activities are at various stages of implementation.

# The HFC investment project related to the refrigeration sector in Jordan approved in June 2018 is progressing and UNIDO indicated that it will be completed on time.

# Of the total cumulative funding approved of US $2,167,610 (excluding agency support costs), US $555,215 had been disbursed, representing a disbursement rate of 26 per cent.

# **Part II: Projects approved under the additional voluntary contributions for fast-start support for HFC phase-down**

# As of 31 December 2019, the Executive Committee had approved 35 HFC-related projects under the additional voluntary contributions amounting to US $8,089,434 (excluding agency support costs). A summary of the status of these projects is presented in Table 6.

# **Table 6. Status of approved HFC-related projects as of the end of 2019**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Type** | **Number of projects** | | | **Funding (US $)\*** | | | |
| **Approved** | **Completed** | **% completed** | **Approved** | **Disbursed** | **Balance** | **% disbursed** |
| Investment\*\* | 3 | 0 | 0 | 3,912,736 | 1,522,952 | 2,389,784 | 39 |
| Project preparation | 4 | 3 | 75 | 119,755 | 95,807 | 23,948 | 80 |
| Technical assistance - Enabling activities | 28 | 4 | 14 | 4,056,943 | 2,072,872 | 1,984,071 | 51 |
| **Total** | **35** | **7** | **20** | **8,089,434** | **3,691,631** | **4,397,803** | **46** |

\*Excludes agency support costs.

\*\* Phase-out of 265.1 mt (508,586 mt CO2-eq.) of HFCs.

# As of the end of 2019, of the 35 projects approved, three preparation activities and four enabling activities had been completed, leaving 28 ongoing. Extension of the completion dates of 22 out of 24 ongoing enabling activities was approved at the 83rd meeting (15 projects) and at the 84th meeting (seven projects); these activities are at various stages of implementation.

# Ongoing investment projects include three refrigeration sector projects in Argentina, Lebanon and Mexico, which were approved at the 81st meeting with fund disbursement in two projects; these projects will be completed in 2020 and 2021.

# Of the total cumulative funding approved of US $8,089,434, US $3,691,631 had been disbursed representing a disbursement rate of 46 per cent.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |

1. Due to coronavirus disease (COVID-19) [↑](#footnote-ref-1)
2. The progress report is attached to the present document. The data has been included in the Consolidated Progress Report database that is available upon request. [↑](#footnote-ref-2)
3. In line with decision 84/12(a)(iv), the measurement for HFCs in mt CO2-eq. would be included in the progress reports submitted from the 88th meeting. This issue is discussed in the consolidated progress report (UNEP/OzL.Pro/ExCom/86/15). [↑](#footnote-ref-3)
4. Ongoing projects are all projects that were under implementation as at 31 December 2019. Key indicators of progress include: percentage of funds disbursed and percentage of projects that have begun disbursing funds; funding expected to be disbursed by the end of the year as a percentage of the approved funding; the average length of projected delay in implementation; and information provided in the remarks column in the progress report database. [↑](#footnote-ref-4)
5. In line with decision 84/12(b), a detailed progress report providing an overview of the objectives, status of implementation, key findings and lessons learned, the amounts of HFC phased out where applicable, the level of funds approved and disbursed and potential challenges in completing the projects and activities, is presented in the consolidated progress report (UNEP/OzL.Pro/ExCom/86/15). [↑](#footnote-ref-5)
6. UNIDO became an implementing agency in 1993. [↑](#footnote-ref-6)
7. The phase-out includes approvals for HFC investment projects of 118.7 mt (211,512 mt CO2-eq.). [↑](#footnote-ref-7)
8. Including 118.7 mt of HFC investment projects. [↑](#footnote-ref-8)
9. The higher value of the cost-effectiveness for ongoing projects is largely due to the lower ODP values of HCFCs but also due to the means of assigning phase-out by agencies. [↑](#footnote-ref-9)
10. Projects approved over 18 months with disbursement less than 1 per cent, or projects that had not been completed 12 months after the proposed completion date in the progress report (decision 22/61) (as demonstration projects, project preparation, and institutional strengthening (IS) are not subject to those procedures). [↑](#footnote-ref-10)
11. UNEP/OzL.Pro/ExCom/86/39 [↑](#footnote-ref-11)
12. UNEP/OzL.Pro/ExCom/86/41 [↑](#footnote-ref-12)
13. UNEP/OzL.Pro/ExCom/86/47 [↑](#footnote-ref-13)
14. UNEP/OzL.Pro/ExCom/86/51 [↑](#footnote-ref-14)
15. UNEP/OzL.Pro/ExCom/86/52 [↑](#footnote-ref-15)
16. UNEP/OzL.Pro/ExCom/86/53 [↑](#footnote-ref-16)
17. UNEP/OzL.Pro/ExCom/86/55 [↑](#footnote-ref-17)
18. UNEP/OzL.Pro/ExCom/86/62 [↑](#footnote-ref-18)
19. UNEP/OzL.Pro/ExCom/86/64 [↑](#footnote-ref-19)
20. UNEP/OzL.Pro/ExCom/86/65 [↑](#footnote-ref-20)
21. UNEP/OzL.Pro/ExCom/86/66 [↑](#footnote-ref-21)
22. UNEP/OzL.Pro/ExCom/86/70 [↑](#footnote-ref-22)
23. UNEP/OzL.Pro/ExCom/86/72 [↑](#footnote-ref-23)
24. UNEP/OzL.Pro/ExCom/86/75 [↑](#footnote-ref-24)
25. UNEP/OzL.Pro/ExCom/86/78 [↑](#footnote-ref-25)
26. UNEP/OzL.Pro/ExCom/86/79 [↑](#footnote-ref-26)
27. UNEP/OzL.Pro/ExCom/86/81 [↑](#footnote-ref-27)
28. UNEP/OzL.Pro/ExCom/86/21 [↑](#footnote-ref-28)
29. UNEP/OzL.Pro/ExCom/86/21/Add.1 [↑](#footnote-ref-29)
30. UNEP/OzL.Pro/ExCom/86/24 [↑](#footnote-ref-30)
31. Any request for an extension would have to be submitted for approval by the Executive Committee in advance of the project completion date, noting that no new commitments were to be made before the extension had been approved. [↑](#footnote-ref-31)
32. Four stand-alone extruded polystyrene foam projects were approved at the 62nd meeting and subsequently subsumed in stage I of the HPMP. [↑](#footnote-ref-32)
33. The conditions specified in Appendix 8-A are: (a) banning of disposable refrigerant containers for HCFC refrigerants; (b) introducing a certification scheme for refrigeration technicians, requiring certain standards of training and equipment; (c) introducing a system regulating access to refrigerant only to entities where certified technicians are carrying out and supervising the work on servicing refrigeration and air-conditioning systems, (i) taking into account the rate of increase of certified personnel, and ensuring that training efforts are carried out timely; and (ii) with means to discourage that supervising of uncertified personnel by certified technicians is carried out only in a perfunctory manner; and (d) developing and submitting with the 2015 tranche request a strategy to strongly encourage end-users of refrigeration and air‑conditioning equipment to carry out leak detection and repair measures in case of refrigerant losses from refrigeration and air‑conditioning systems, and committing to implement the strategy during the remainder of the HPMP without additional cost. [↑](#footnote-ref-33)
34. The decision on stage I of the HPMP for Saudi Arabia is contained in Annex IX to the Report of the 84th meeting (UNEP/OzL.Pro/ExCom/84/75). [↑](#footnote-ref-34)
35. Issues related to the three components under UNEP implementation are presented in document UNEP/OzL.Pro/ExCom/86/18. [↑](#footnote-ref-35)
36. The data is presented according to the year when a project was approved by the Executive Committee. It treats all approvals (investment and non-investment projects) equally (i.e., an investment project or a funding tranche of an MYA of US $1 million is considered one project, same as a country programme preparation of US $30,000). Key indicators from the annual summary are: the percentage of projects completed, ODP phased out, and percentage of funds disbursed. There are three types of disbursements: during implementation, after implementation and for retroactively-financed projects. [↑](#footnote-ref-36)