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

Montreal, 3-7 December 2018

**PROGRESS REPORT OF UNIDO as at 31 december 2017**

# This document presents the progress report of UNIDO as of 31 December 2017[[1]](#footnote-1).

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 2017 and cumulative since 1991; it contains a review on the status of implementation of each ongoing[[2]](#footnote-2) 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 HFC activities and the status of implementation.

General recommendation.

# This 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 2017 and cumulative**

# Implementation of projects and activities by UNIDO for 2017 and cumulative since 1991 up to 31 December 2017 is summarized as follows:

## **Phase-out:** In 2017, 935.5 ODP tonnes of consumption of ODS were phased out and an additional 78.6 ODP tonnes of consumption of ODS were approved for phase‑out. Since 1991, 62,842 ODP tonnes of consumption of ODS and 17,381 ODP tonnes of production of ODS had been phased out of an expected total of 81,452 ODP tonnes from projects approved (excluding cancelled and transferred projects);

## **Disbursements/approvals:** In 2017, US $30.9 million was disbursed and US $25.35 million was planned for disbursement based on the 2016 progress report, representing a rate of disbursement of 122 per cent of that planned. Cumulatively, US $696.41 million had been disbursed out of the total US $796.5 million approved for disbursement (excluding support costs). This represents a rate of disbursement of 87 per cent. In 2017, US $16.48 million was approved for implementation;

## **Cost-effectiveness (in ODP):** Since 1991, the average cost-effectiveness of investment projects approved leading to a permanent reduction in consumption was US $11.50/kg and for all production sector activities (CFC and methyl bromide (MB)) was US $2.91/kg. The average cost‑effectiveness of investment projects per ODP tonne was US $6.25/kg for completed projects and US $49.71/kg for ongoing projects[[3]](#footnote-3);

## **Number of projects completed:** In 2017, 72 projects were completed. Since 1991, 1,479 projects of the 1,673 projects approved for UNIDO (excluding closed or transferred projects) were completed. This represents a completion rate of 88 per cent;

## **Speed of delivery – investment projects:** Projects that were completed in 2017 were completed on average 56 months after their approval. Since 1991, the average time for completion of investment projects has been 37 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 2017 were completed on average 38 months after their approval. Since 1991, 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 484 project preparation activities approved by the end of 2017, 470 have been completed. In 2016, eight projects were completed leaving 14 ongoing;

## **Implementation delays:** There were a total of 133 ongoing investment projects under implementation at the end of 2017. These projects, on average, are experiencing a delay of 30 months. However, projects classified as “projects with implementation delays” that are subject to the procedures of project cancellation amount to four (as project preparation, multi‑year agreements (MYAs), and institutional strengthening (IS) are not subject to those procedures); and

## **MYAs**: In 2017, UNIDO was implementing two MYAs for CFC phase-out, one MYA for MB production, two MYAs for MB consumption and 79 MYAs for HCFC phase-out management plans. Since 1991, 155 MYAs have been approved and 71 MYAs have been completed.

Project implementation progress in 2017

# The Secretariat reviewed the status of project implementation on a country-by-country basis considering implementation delays that have occurred with respect to planned completion dates that had been reported in 2017, the potential impact of these delays on phase-out and the rate of planned disbursements.

# Of the 169 ongoing projects, excluding IS and project preparation, 83 projects have extended planned dates of completion since the 2016 progress report.

# During the review of the progress report, the Secretariat had several discussions with UNIDO, where several issues on ongoing projects were satisfactorily resolved. However, issues could not be resolved for a number of projects or tranches of MYAs for the phase-out of CFCs or HCFCs; projects for ODS waste disposal; and renewal of IS projects, as shown in Annex I to the present document. For each ongoing project, 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.

# The issues identified with regard to the demonstration project for the introduction of trans-critical CO2 refrigeration technology for supermarkets (Argentina and Tunisia) (GLO/REF/76/DEM/335) and the global chiller replacement project (Argentina component) (GLO/REF/80/DEM/344) are discussed under relevant sections of the reports on projects with specific reporting requirements.[[4]](#footnote-4)

# **Part II: Projects approved under the additional voluntary contributions for HFC activities**

# In 2017, the Executive Committee had approved 21 HFC-related projects under the additional voluntary contributions amounting to US $2,426,000 (excluding agency support costs). A summary of the status of these projects is presented in Table 1.

# **Table 1. HFC-related projects approved in 2017**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Type** | **Number of projects** | | | **Funding (US $)\*** | | | |
| **Approved** | **Completed** | **% completed** | **Approved** | **Disbursed** | **Balance** | **% disbursed** |
| Project preparation | 3 | 0 | 0 | 90,000 | 0 | 90,000 | 0 |
| Technical assistance - Enabling activities | 18 | 0 | 0 | 2,336,000 | 0 | 2,336,000 | 0 |
| **Total** | **21** | **0** | **0** | **2,426,000** | **0** | **2,426,000** | **0** |

\*Excludes agency support costs.

## **General recommendation**

# The Executive Committee may wish:

## To note the progress report of UNIDO as at 31 December 2017 contained in document UNEP/OzL.Pro/ExCom/82/18; and

## To approve the recommendations on ongoing projects with specific issues listed contained in Annex I to the present document.

**Annex I**

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

| **Country/Project code** | **Project title** | **Disbursement rate (%)** | **Status/Issues** | **Recommendation** |
| --- | --- | --- | --- | --- |
| 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) | 20 | Low disbursement rate of approved funds; activities not relevant as HCFC‑141b consumption is nil for the last three years | To request cancellation of the project by the 83rdmeeting and outstanding balances to be returned to the 84th meeting |
| Bahrain  BAH/PHA/68/INV/27 | HCFC phase-out management plan (stage I, first tranche) (phase‑out of HCFC-22 from the manufacturing of central air‑conditioning and window air‑conditioning at Awal Gulf manufacturing company) | 56 | Project progress to be monitored after extension at the 80th meeting considering technology challenges in introducing the low‑global warming potential technology | To request a status report to the 83rdmeeting on progress of implementation |
| Central African Republic (the)  CAF/PHA/64/INV/21 | HCFC phase-out management plan (stage I, first tranche) | 15 | Project delayed due to security situation in the country; difficult to continue implementation of the HPMP given that the first tranche of stage I was approved 18 meetings ago | To request cancellation of the project by the 82nd meeting and outstanding balances to be returned to the 83rd meeting |
| China  CPR/ARS/56/INV/473 | Sector plan for phase-out of CFCs consumption in MDI sector | 98 | Project with implementation delays (12 months delay) at final stages of implementation | To request completion of the project by the 83rdmeeting and balances to be returned by the 84thmeeting, noting that the project was approved 26 meetings ago |
| 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) | 20 | Delayed due to United Nations Security Council (UNSC) resolutions | To request a status report to the 83rd meeting on implementation 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) | 74 |
| 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) | 1 |
| Democratic People’s Republic of Korea (the)  DRK/PHA/75/TAS/63 | HCFC phase-out management plan (stage I, second tranche) (policy, refrigeration servicing and monitoring) | 82 |
| 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/ARS/50/INV/92 | Phase-out of CFC consumption in the manufacture of aerosol metered dose inhalers (MDIs) | 96 | Project with implementation delays (12 months delay) at final stages of implementation | To request completion of the project by the 83rdmeeting and balances to be returned by the 84th meeting, noting that the project was approved 32 meetings ago |
| Ethiopia  ETH/PHA/77/INV/28 | HCFC phase-out management plan (stage I, second tranche) | 3 | Low disbursement rate; delayed due to coordination issues and administrative changes in the national ozone unit | To request a status report to the 83rdmeeting on progress achieved and the level of funds disbursement |
| 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 | Project with implementation delays (12 months delay) due to operational issues and national security situation affecting final stages of implementation | To request a status report to the 83rdmeeting on implementation |
| Iraq  IRQ/PHA/58/INV/09 | National phase-out plan (first tranche) | 89 | Delayed due to operational issues and national security situation affecting final stages of implementation |
| Iraq  IRQ/PHA/73/PRP/19 | Preparation of a HCFC phase‑out management plan (stage II) | 0 | Low disbursement rate; delayed due to difficult security situation in the country and issues in stage I |
| 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 |
| 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 | Low disbursement rate, though 87 percent of the funds are obligated and 12 percent is paid as advance to suppliers | To request a status report to the 83rd meeting on implementation |
| 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) | 0 | Low disbursement rate, though 97 per cent of the funds are obligated |
| Lebanon  LEB/DES/73/DEM/83 | Pilot demonstration project on ODS waste management and disposal | 79 | Return of balances to the 82nd meeting by decision 81/24(d) | To note the cancellation of the project and return of balances to the 82ndmeeting |
| Morocco  MOR/PHA/65/INV/68 | HCFC phase-out management plan (stage I, first tranche) (refrigeration servicing sector) | 32 | Tranche request submitted to the 82ndmeeting, was subsequently withdrawn due to low level of disbursement | To request a status report to the 83rdmeeting on implementation |
| Morocco  MOR/PHA/68/INV/69 | HCFC phase-out management plan (stage I, second tranche) (refrigeration servicing sector) | 5 |
| Qatar  QAT/PHA/65/INV/18 | HCFC phase-out management plan (stage I, first tranche) (refrigeration servicing sector) | 54 | Project activities to be reprogrammed in stage II of the HPMP, to be submitted to the 83rd meeting | To complete the project by June 2019, and return outstanding balances to the 84th meeting, noting that stage II of the HPMP would be submitted to 83rd meeting |
| Qatar  QAT/PHA/65/INV/19 | HCFC phase-out management plan (stage I, first tranche) (sector conversion from HCFC‑142b/ HCFC-22 in the production of extruded polystyrene insulation boards to low GWP isobutene at Qatar Insulation, Orient Insulation and Al Kawthar Insulation) | 93 | Project at final stages of completion; pending incremental operating costs payment of one enterprise and administrative procedures for closure |
| Qatar  QAT/PHA/73/PRP/21 | Preparation of a HCFC phase‑out management plan (stage II) | 8 | Low disbursement rate and slow implementation; stage II of the HPMP would be submitted to the 83rd meeting | To request a status report to the 83rd meeting to monitor submission of stage II |
| Qatar  QAT/SEV/79/INS/22 | Renewal of institutional strengthening project (phase IV: 8/2017-7/2019) | 0 | To request a status report to the 83rd meeting on implementation and the level of funds disbursement |
| Saudi Arabia  SAU/FOA/62/INV/13 | Phase-out of HCFC-22 and HCFC‑142b from the manufacture of extruded polystyrene panel at Al‑Watania Plastics | 17 | Project implementation stalled due to enterprise’s withdrawal from the project; equipment proposed to be procured for the project needs to be sold; 62 per cent of the funds are obligated | To request a status report to the 83rdmeeting on implementation, including update on auctioning of the equipment that was procured and needs to be sold |
| Saudi Arabia  SAU/PHA/68/INV/17 | HCFC phase-out management plan (stage I, first tranche) (refrigeration servicing and monitoring) | 84 | UNEP is working with NOU on implementing obligations relating to legislation (Appendix 8-A of the Agreement) | To request a status report to the 83rd meeting on implementation |
| Saudi Arabia  SAU/PHA/72/INV/20 | HCFC phase-out management plan (stage I, second tranche) (refrigeration servicing and monitoring) | 42 |
| Saudi Arabia  SAU/PHA/75/INV/24 | HCFC phase-out management plan (stage I, third tranche) (polyurethane foam sector plan) | 30 | Contracts with suppliers finalised and co‑financing secured | To request a status report to the 83rd meeting on implementation |
| Saudi Arabia  SAU/PHA/75/INV/25 | HCFC phase-out management plan (stage I, third tranche) (refrigeration servicing and monitoring) | 62 | UNEP is working with NOU on implementing obligations relating to legislation (Appendix 8-A of the Agreement) | To request a status report to the 83rd meeting on implementation |
| Saudi Arabia  SAU/PHA/77/INV/31 | HCFC phase-out management plan (stage I, fourth tranche) (polyurethane foam sector plan) | 3 | Low level of disbursement | To request a status report to the 83rd meeting on implementation and the level of funds disbursement |
| South Africa  SOA/FOA/76/DEM/09 | Demonstration project on the technical and economic advantages of the vacuum assisted injection in discontinuous panels plant retrofitted from HCFC-141b to pentane | 3 | Project report submitted to the 81st meeting; final payments are being made to close the project | To request balances to be returned to the 83rdmeeting |
| Somalia  SOM/PHA/77/INV/12 | HCFC phase-out management plan (stage I, second tranche) (refrigeration servicing sector) | 18 | Delayed due to security situation in the country | To request a status report to the 83rdmeeting on implementation |
| Somalia  SOM/PHA/77/TAS/13 | HCFC phase-out management plan (stage I, second tranche) (additional security) | 41 |
| Syrian Arab Republic (the)  SYR/PHA/55/PRP/97 | Preparation of a HCFC phase‑out management plan | 82 | Delayed due to security situation in the country. Difficult to continue implementation | To request a status report to the 83rdmeeting on implementation and monitor submission of stage I |
| Syrian Arab Republic (the)  SYR/FOA/61/PRP/102 | Preparation for HCFC phase‑out investment activities (foam sector) | 58 |
| Syrian Arab Republic (the)  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 | Project with implementation delays (12 months delay) due to security situation in the country. Updated information shows some improvement in situation and agency is exploring alternative project implementation modalities | To request a status report to the 83rdmeeting on implementation |
| Syrian Arab Republic (the)  SYR/SEV/73/INS/104 | Extension of institutional strengthening (phase V: 1/2015-12/2016) | 0 | Delayed due to security situation in the country | To request a status report to the 83rdmeeting on implementation |
| Tunisia  TUN/PHA/76/INV/68 | HCFC phase-out management plan (stage I, second tranche) (residential air-conditioning manufacturing sector plan) | 0 | Low disbursement rate of approved funds; technical issues faced relating to adoption of R-290 in air-conditioner manufacturing | To request a status report to the 83rdmeeting on progress on implementation and the level of funds disbursement |
| Tunisia  TUN/PHA/77/PRP/71 | Preparation of a HCFC phase‑out management plan (stage II) | 0 | Low disbursement rate of approved funds; delayed due to technical issues in stage I | To request a status report to the 83rdmeeting on the level of funds disbursement and monitor submission of stage II |
| Tunisia  TUN/FOA/77/PRP/72 | Preparation for HCFC phase‑out investment activities (stage II) (polyurethane foam sector) | 0 |
| Turkey  TUR/PHA/74/PRP/105 | Preparation of a HCFC phase‑out management plan (stage II) | 0 | Low disbursement rate of approved funds; issues faced due to reorganisation of NOU, changes in administration and adoption of new legislation | To request a status report to the 83rdmeeting on the level of funds disbursement and monitor submission of stage II |
| Yemen  YEM/PHA/55/INV/28 | National ODS phase-out plan (first tranche) | 97 | Security situation in the country; difficult to continue implementation | To request cancellation of the national ODS phase‑out plan by the 82nd meeting and return outstanding balances by the 83rdmeeting |
| Yemen  YEM/PHA/60/INV/36 | National ODS phase-out plan (second tranche) | 74 |
| Yemen  YEM/PHA/68/TAS/39 | HCFC phase-out management plan (stage I, first tranche) | 43 | To request cancellation of stage I of the HPMP by the 82nd meeting and return outstanding balances by the 83rdmeeting |
| Yemen  YEM/PHA/73/PRP/45 | Preparation of a HCFC phase‑out management plan (stage II) | 0 | Security situation in the country; difficult to continue implementation given that stage I cannot be implemented | To request cancellation of the project by the 82nd meeting and return outstanding balances by the 83rdmeeting |
| Yemen  YEM/FOA/73/PRP/46 | Preparation for HCFC phase‑out investment activities (stage II) (foam sector) | 0 | Security situation in the country; difficult to continue implementation given that stage I cannot be implemented |
| Zambia  ZAM/PHA/77/INV/33 | HCFC phase-out management plan (stage I, third tranche) | 0 | Low disbursement rate of approved funds and no progress on project activities; delays in approval of technical specification of equipment by national ozone unit | To request a status report to the 83rdmeeting on implementation and the level of funds disbursement |

Annex II

ANALYSIS THE PROGRESS REPORT OF UNIDO AS AT 31 DECEMBER 2017

# 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 HFC activities.

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

# As of 31 December 2017, the Executive Committee had approved US $899.11 million consisting of US $796.5 million for the implementation of investment and non-investment projects and US $102.61 million for agency support costs, as shown in Table 1. In 2017, 28 new projects and activities were approved. This level of funding is expected to result in the phase-out of 81,452 ODP tonnes of ODS consumption and production.

# **Table 1: Approved funding by sector for UNIDO as at 31 December 2017**

|  |  |
| --- | --- |
| **Sector** | **Funding (US $)** |
| Aerosol | 34,413,700 |
| Destruction | 5,005,764 |
| Foam | 88,967,004 |
| Halon | 1,780,369 |
| Fumigants | 78,092,525 |
| Multiple sectors | 139,440 |
| Other | 11,317,246 |
| Phase-out plan | 300,110,322 |
| Process agent | 6,337,359 |
| Production | 50,515,326 |
| Refrigeration | 180,640,788 |
| Several | 15,932,021 |
| Solvents | 23,247,443 |
| **Sub-Total** | **796,499,307** |
| Agency support costs | 102,606,340 |
| **Total** | **899,105,647** |

# 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 | 33 | 77 | 24,942,125 | 19,848,089 | 5,094,036 | 80 |
| Institutional strengthening (IS) | 77 | 66 | 86 | 11,669,275 | 9,828,418 | 1,840,857 | 84 |
| Investment | 863 | 730 | 85 | 716,919,240 | 628,169,138 | 88,750,102 | 88 |
| Project preparation | 484 | 470 | 97 | 21,048,029 | 20,329,349 | 718,680 | 97 |
| Technical assistance | 172 | 146 | 85 | 20,001,434 | 16,313,185 | 3,688,249 | 82 |
| Training | 23 | 23 | 100 | 1,196,535 | 1,196,535 | 0 | 100 |
| **Total** | **1,673** | **1,479** | **88** | **796,499,307** | **696,407,383** | **100,091,924** | **87** |

\*Excludes closed and transferred projects.

\*\*Excludes agency support costs.

# Table 3 presents an overview of status of project implementation by year[[5]](#footnote-5). 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 | 25,662,091 | 25,662,091 | 0 | 100 |
| 1996 | 46 | 46 | 100 | 19,820,493 | 19,820,493 | 0 | 100 |
| 1997 | 130 | 130 | 100 | 42,083,037 | 42,083,037 | 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 | 30,180,751 | 30,180,751 | 0 | 100 |
| 2001 | 119 | 119 | 100 | 24,700,254 | 24,700,254 | 0 | 100 |
| 2002 | 76 | 76 | 100 | 35,992,040 | 35,992,040 | 0 | 100 |
| 2003 | 49 | 49 | 100 | 29,997,305 | 29,997,305 | 0 | 100 |
| 2004 | 44 | 44 | 100 | 33,105,460 | 33,105,460 | 0 | 100 |
| 2005 | 74 | 74 | 100 | 52,035,806 | 52,035,806 | 0 | 100 |
| 2006 | 44 | 43 | 98 | 20,760,992 | 20,533,030 | 227,962 | 99 |
| 2007 | 42 | 42 | 100 | 24,196,074 | 24,161,671 | 34,403 | 100 |
| 2008 | 78 | 75 | 96 | 33,437,487 | 33,056,025 | 381,462 | 99 |
| 2009 | 70 | 68 | 97 | 15,410,461 | 14,666,940 | 743,521 | 95 |
| 2010 | 71 | 62 | 87 | 46,742,684 | 43,476,780 | 3,265,904 | 93 |
| 2011 | 72 | 62 | 86 | 76,805,405 | 70,162,767 | 6,642,638 | 91 |
| 2012 | 53 | 35 | 66 | 34,119,175 | 25,240,224 | 8,878,951 | 74 |
| 2013 | 37 | 31 | 84 | 31,244,847 | 26,848,854 | 4,395,993 | 86 |
| 2014 | 57 | 33 | 58 | 28,020,614 | 20,718,066 | 7,302,548 | 74 |
| 2015 | 84 | 45 | 54 | 38,283,166 | 14,479,682 | 23,803,484 | 38 |
| 2016 | 59 | 5 | 8 | 37,184,513 | 9,178,528 | 28,005,985 | 25 |
| 2017 | 28 | 0 | 0 | 16,476,598 | 67,525 | 16,409,073 | 0 |
| **Total** | **1,673** | **1,479** | **88** | **796,499,307** | **696,407,383** | **100,091,924** | **87** |

\*Excludes closed and transferred projects.

\*\*Excludes agency support costs.

# Table 4 presents project implementation by country for 2017.

Table 4. Summary of project implementation by UNIDO for 2017

| **Country** | **Phased out in 2017** | **Percentage of planned phase-out achieved in 2017** | **Estimated funds disbursed in 2017 (US$)** | **Funds disbursed in 2017 (US$)** | **Percentage of funds disbursed over estimation in 2017** | **Percentage of planned projects completed in 2017** |
| --- | --- | --- | --- | --- | --- | --- |
| Afghanistan | 0.0 |  | 20,000 | 20,226 | 101 |  |
| Albania | 0.0 |  | 35,001 | 15,912 | 45 | 100 |
| Algeria | 13.5 | 100 | 820,002 | 16,494 | 2 | 50 |
| Argentina | 0.0 |  | 220,003 | 1,446,159 | 657 | 100 |
| Armenia | 0.0 |  | 27,959 | 68,572 | 245 | 100 |
| Bahamas (the) | 0.0 |  | 2 | 0 | 0 |  |
| Bahrain | 0.0 |  | 235,000 | 322,059 | 137 | 100 |
| Benin | 0.0 |  | 16,000 | 5,930 | 37 | 100 |
| Bolivia (Plurinational State of) | 0.0 |  | 42,166 | 59,079 | 140 | 100 |
| Bosnia and Herzegovina | 0.0 |  | 94,682 | 64,019 | 68 | 100 |
| Botswana | 0.0 |  | 10,000 | 1,408 | 14 |  |
| Brazil | 10.2 |  | 80,001 | 87,333 | 109 |  |
| Burkina Faso | 0.0 |  | 1 | 0 | 0 |  |
| Burundi | 0.4 |  | 1 | 0 | 0 |  |
| Cameroon | 2 | 100 | 175,000 | 154,559 | 88 | 100 |
| Central African Republic (the) | 0.0 |  | 1 | 0 | 0 |  |
| Chad | 2.4 |  | 60,001 | 98,827 | 165 |  |
| Chile | 0.0 |  | 66,002 | 123,354 | 187 | 100 |
| China | 211.3 |  | 10,943,708 | 20,066,052 | 183 | 100 |
| Congo (the) | 0.0 |  | 5,001 | 55 | 1 |  |
| Cote D'Ivoire | 0.0 |  | 100,000 | 164,728 | 165 |  |
| Croatia | 0.0 |  | 2 | 0 | 0 |  |
| Democratic People’s Republic of Korea (the) | 0.0 |  | 125,003 | 64,038 | 51 |  |
| Ecuador | 0.0 |  | 43,443 | 59,498 | 137 | 100 |
| Egypt | 6.0 |  | 331,004 | 449,040 | 136 | 83 |
| Eritrea | 0.2 |  | 28,139 | 28,749 | 102 | 100 |
| Ethiopia | 0.2 | 100 | 72,501 | 71,079 | 98 | 100 |
| Gabon | 0.0 |  | 10,000 | 7,472 | 75 |  |
| Gambia (the) | 0.2 |  | 5,001 | 2,293 | 46 |  |
| Georgia | 0.0 |  | 20,000 | 16,000 | 80 | 100 |
| Grenada | 0.1 |  | 10,000 | 38,144 | 381 |  |
| Guatemala | 0.0 |  | 177,649 | 83,170 | 47 |  |
| Guinea | 0.0 |  | 1 | 141 |  |  |
| Guinea-Bissau | 0.3 |  | 15,001 | 36,870 | 246 |  |
| Honduras | 0.4 |  | 80,902 | 86,937 | 107 | 100 |
| Indonesia | 0.0 |  | 277,000 | 277,264 | 100 | 100 |
| Iran (Islamic Republic of) | 63.1 | 100 | 410,003 | 54,896 | 13 | 50 |
| Iraq | 3.5 |  | 810,001 | 291,603 | 36 | 0 |
| Jordan | 0.0 |  | 81,565 | 34,789 | 43 | 100 |
| Kuwait | 0.0 | 0 | 585,615 | 26,274 | 4 | 33 |
| Lebanon | 0.0 |  | 30,000 | 59,012 | 197 |  |
| Libya | 24.1 |  | 579,363 | 117,237 | 20 | 50 |
| Madagascar | 1.0 |  | 27,000 | 11,901 | 44 | 100 |
| Malawi | 1.3 |  | 10,000 | 3,358 | 34 |  |
| Mexico | 104.6 | 100 | 1,919,404 | 2,848,869 | 148 | 83 |
| Montenegro | 0.0 |  | 31,001 | 40,483 | 131 |  |
| Morocco | 0.0 |  | 50,001 | 27,738 | 55 |  |
| Mozambique | 0.0 |  | 30,000 | 0 | 0 |  |
| Nicaragua | 0.0 |  | 76,001 | 81,649 | 107 | 100 |
| Niger (the) | 0.0 |  | 180,000 | 95,121 | 53 | 100 |
| Nigeria | 30 |  | 630,002 | 166,548 | 26 | 50 |
| Oman | 0.0 |  | 140,003 | 152,183 | 109 | 67 |
| Pakistan | 31.2 |  | 117,860 | 60,112 | 51 |  |
| Philippines (the) | 0.0 |  | 1 | 12,661 |  |  |
| Qatar | 0.0 | 0 | 95,001 | 73,515 | 77 | 50 |
| Rwanda | 0.0 |  | 10,001 | 3,762 | 38 |  |
| Saint Lucia | 0.1 |  | 12,500 | 8,720 | 70 |  |
| Saint Vincent and the Grenadines | 0.0 |  | 1 | 607 |  |  |
| Saudi Arabia | 173.7 | 100 | 1,336,033 | 377,812 | 28 | 0 |
| Senegal | 0.0 |  | 60,000 | 1,751 | 3 | 0 |
| Serbia | 2.6 |  | 257,003 | 78,972 | 31 | 100 |
| Sierra Leone | 0.1 |  | 5,001 | 0 | 0 |  |
| Somalia | 1.3 |  | 44,000 | 58,801 | 134 | 100 |
| South Africa | 69.3 | 100 | 1,025,001 | 272,306 | 27 | 0 |
| Sudan (the) | 9.1 |  | 320,007 | 158,602 | 50 | 100 |
| Suriname | 0.0 |  | 5,000 | 0 | 0 | 0 |
| Syrian Arab republic (the) | 0.0 |  | 10,002 | 6,337 | 63 |  |
| The former Yugoslav Republic of Macedonia | 0.2 | 100 | 105,002 | 111,031 | 106 | 67 |
| Togo | 0.0 |  | 30,000 | 29,569 | 99 | 0 |
| Tunisia | 4.7 | 100 | 425,002 | 307,641 | 72 | 100 |
| Turkey | 144 |  | 1,140,002 | 526,868 | 46 | 67 |
| Turkmenistan | 1.7 |  | 25,002 | 39,864 | 159 | 100 |
| Uganda | 0.0 |  | 27,100 | 21,445 | 79 | 100 |
| United Republic of Tanzania (the) | 0.2 |  | 20,000 | 10,582 | 53 |  |
| Uruguay | 0.0 |  | 50,000 | 72,293 | 145 | 100 |
| Venezuela (Bolivarian Republic of) | 22.5 | 100 | 192,148 | 387,473 | 202 | 100 |
| Yemen | 0.0 |  | 5 | 0 | 0 |  |
| Zambia | 0.0 |  | 17,703 | 26,684 | 151 |  |
| Region: AFR | 0.0 |  | 2 | 9,977 |  |  |
| Region: ASP | 0.0 |  | 95,000 | 160,198 | 169 | 100 |
| Region: EUR | 0.0 |  | 50,201 | 2,908 | 6 | 100 |
| Global | 0.0 |  | 141,001 | 127,604 | 90 | 100 |
| **Grand Total** | **935.5** | **77** | **25,351,715** | **30,895,217** | **122** | **76** |

# **Part II: Projects approved under the additional voluntary contributions for HFC activities**

# In 2017, the Executive Committee had approved 21 HFC-related projects under the additional voluntary contributions amounting to US $2,426,000 (excluding agency support costs). A summary of the status of these projects is presented in Table 5.

# **Table 5. HFC-related projects approved in 2017**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Type** | **Number of projects** | | | | **Funding (US $)\*** | | | |
| **Approved** | **Completed** | **% completed** | **Approved** | | **Disbursed** | **Balance** | **% disbursed** |
| Project preparation | 3 | 0 | 0 | 90,000 | | 0 | 90,000 | 0 |
| Technical assistance - Enabling activities | 18 | 0 | 0 | 2,336,000 | | 0 | 2,336,000 | 0 |
| **Total** | **21** | **0** | **0** | **2,426,000** | | **0** | **2,426,000** | **0** |

\*Excludes agency support costs.

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

1. The progress report is attached to this document. The data has been included in the Consolidated Progress Report database that is available upon request. [↑](#footnote-ref-1)
2. Ongoing projects are all projects that were under implementation as at 31 December 2017. 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-2)
3. 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-3)
4. UNEP/OzL.Pro/ExCom/82/20 [↑](#footnote-ref-4)
5. 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 a 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-5)