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Programme**



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Implementation of the Montreal Protocol

Eighteenth Meeting
Vienna, 22-24 November 1995

UNDP PROGRESS REPORT

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

(18th Meeting, 22-24 November 1995, Vienna)

PROGRESS REPORT

OF THE

UNITED NATIONS DEVELOPMENT PROGRAMME

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As of 30 September 1995

UNDP PROGRESS REPORT

A. OPERATIONAL/POLICY DEVELOPMENTS

1. At the 17th Executive Committee Meeting (26-28 July 1995, Montreal), UNDP received approval for 45 projects/activities amounting to \$16.63 million. Thus, as of end-July 1995, UNDP's cumulative project allocations under the Multilateral Fund amounted to \$95 million.

2. UNDP's cumulative approved activities are in the following categories:

		(\$ millions)		
		1991-94	1995	TOTAL
CPG	(country prog. preparation)	1.01	-	1.01
DEM	(demonstration projects)	2.08	0.08	2.16
INS	(institutional strengthening)	5.28	0.13	5.41
INV	(investment projects)	60.56	14.61	75.17
PRP	(project preparation)	2.38	0.51	2.89
TAS	(technical assistance)	5.71	1.30	7.01
TRA	(training)	1.34	-	1.34
		===	===	===
TOTAL		78.36	16.63	94.99

3. UNDP's cumulative disbursements (direct expenditures, obligations and commitments) increased from \$27.51 million as of May 1995 to \$30.53 million as of 30 September 1995. UNDP has thus disbursed 32% of all funds received. Disbursements by activity category in US\$ and as a percentage of project allocations are as follows:

		Cumulative Disbursements: 1991-95	
		(\$ millions)	% disbursed
CPG	(country prog. preparation)	1.01	100.0%
DEM	(demonstration projects)	0.70	32.4%
INS	(institutional strengthening)	2.09	38.6%
INV	(investment projects)	20.60	27.4%
PRP	(project preparation)	2.18	75.4%
TAS	(technical assistance)	2.98	42.5%
TRA	(training)	0.97	72.4%
		===	===
TOTAL		30.53	32.1%

4. Since three-fourths of UNDP's cumulative work programme, primarily comprising investment projects, was approved in 1994 and first-half 1995, implementation of many of those projects is ongoing and their major expenditure components will be reflected in 1996.

5. The sectoral disaggregation of approved UNDP activities and the ODP tonnes to be phased out are as follows:

	Budgets (\$ millions)	%	Sector	ODP Tonnes Phaseout
Aerosols	2.17		2.3	591
Foams	37.78		39.8	7,187
Halons	2.05	2.2		-
Methyl bromide	0.43		0.4	-
Refrigeration/AC/MAC	37.82		39.8	3,427
Solvents	4.30		4.5	99
Several	10.44		11.0	-
	===		===	===
TOTAL	94.99		100.0	11,304

6. The "Several" category above, as used by the Fund Secretariat, comprises ODS reconnaissance surveys, country programme preparation, institutional strengthening, project preparation assistance, small-scale industry data surveys, regional surveys on methyl bromide, and global projects on policy and technology assessment.
7. Under the Montreal Protocol, UNDP has programmes in the following 37 countries:
- AFRICA/MIDDLE EAST (12):**
Egypt, Ethiopia, Ghana, Iran, Jordan, Kenya, Malawi, Mauritius, Nigeria, Tanzania, Uganda, Zambia
- ASIA/PACIFIC (10):**
Bangladesh, China, India, Indonesia, Malaysia, Pakistan, Philippines, Sri Lanka, Thailand, Vietnam
- LATIN AMERICA/CARIBBEAN (15):**
Argentina, Brazil, Chile, Colombia, Costa Rica, Cuba, Ecuador, Guatemala, Jamaica, Mexico, Panama, Peru, Trinidad & Tobago, Uruguay, Venezuela

Projects/Activities Operationally Completed

8. UNDP, as of 30 September 1995, had operationally completed a total of 103 activities including project preparation (24). The remaining 79 projects comprise:
- ODS SURVEYS (4):**
Bangladesh, Costa Rica, India (small-scale), Iran
- COUNTRY PROGRAMMES (13):**
Bangladesh, China, Costa Rica, Cuba, India, Indonesia, Iran, Kenya, Philippines, Sri Lanka, Trinidad & Tobago, Uruguay, Venezuela
- NATIONAL TRAINING, TECH. ASSISTANCE & DEMONSTRATION PROJECTS (35):**
Several countries
- REGIONAL WORKSHOPS & DEMONSTRATION PROGRAMMES (6):**
Asia/Pacific, Latin America/Caribbean, Middle East/Africa
- INVESTMENT PROJECTS (21):**
China (2), Egypt (6), Malaysia (11), Philippines (1), Thailand (1)

Projects/Activities Operationally Completed: 15 June - 30 September 1995

9. The following 10 projects/activities were operationally completed during June-September 1995:

- a) **CPR/EOA/06/TAS/03: China: Technical assistance for CFC-11 substitute technology in flexible polyurethane foam**
Date of approval: Feb. 1992
Proposed completion date: Dec. 1992 Actual completion date: Sept. 1995
Approved funding: US\$ 70,000 Expenditures/Obligations: US\$ 65,000 (open)

Chinese foam sector senior technicians/managers, accompanied by the UNDP foams sector expert, in 1993 visited 8 manufacturing facilities in the US to assess technologies to eliminate CFC-11 use in the manufacture of flexible polyurethane foam (slabstock). They also visited a technology center and a regulatory agency and reviewed technologies covering methylene chloride, MCF, HCFCs, E-Max, Recovery/Recycling, Acetone, AB Technology, Rapid Cure, Waterlily {MDI}, and Vacuum foam. In addition, technology assessment visits to European plants by Chinese technicians were completed in late-1993 to review available CFC-11 alternative technologies in pipe insulation, which later resulted in preparation of projects for UNDP and World Bank implementation. Accounts have finally been closed.

- b) **MEX/HAL/06/TAS/06: Mexico: Preparatory study on halons**
Date of approval: Feb. 1992
Proposed completion date: Dec. 1992 Actual completion date: Sept. 1995
Approved funding: US\$ 25,000 Expenditures/Obligations: US\$ 27,223

A national consultant was recruited for this project, working under the guidance of UNDP's halons sector expert. The project encountered significant start-up delays and later had to be suspended for several months due to the serious illness of the national consultant. Data has been gathered on halons usage in Mexico and preliminary analysis was done on revisions needed to existing standards. Two project proposals have resulted from this study, one for the conversion of a producer of halon fire-extinguishers and the other for the establishment of a halon bank.

- c) **PAN/SEV/11/PRP/03: Panama: Project preparation assistance**
Date of approval: Nov. 1993
Proposed completion date: Dec. 1994 Actual completion date: Sept. 1995
Approved funding: US\$ 30,000 Expenditures/Obligations: US\$ 30,000

A visit by a UNDP foam consultant resulted in the formulation and later ExCom approval of the Plastifom/Profomsa/Thermofoam umbrella project for \$155,000. Following several visits by UNDP consultants in refrigeration and recovery/recycling, a project is being presented at the 18th ExCom Meeting on the recovery/recycling of refrigerant. A polystyrene foam plant was identified and additional preparatory assistance funds will be needed in 1996 to formulate a conversion project for that plant.

- d) PER/SEV/13/PRP/02: Peru: Project preparation assistance
Date of Approval: July 1994
Proposed completion date: Dec. 1995 Actual completion date: Sept. 1995
Approved funding: US\$ 100,000 Expenditures/Obligations: US\$ 102,267

Several visits were undertaken by UNDP refrigeration and foam sector experts, and by UNDP consultants in polystyrene foam and in refrigerant recovery/recycling. A local subcontract was established in 1994 with SNI (Sociedad Nacional de Industrias) to assist them. As a result, 6 projects were formulated and approved by the ExCom in the domestic refrigeration sector amounting to \$2,112,691, one polystyrene project was formulated and approved by the ExCom at \$294,960, and one project in recovery/recycling of refrigerant is currently under preparation and will be presented at the 19th ExCom Meeting in 1996.

- e) PHI/FOA/12/INV/24: Philippines: Phaseout use of CFCs in the manufacture of rigid polyurethane foam for thermoware at Nikon Industrial Corporation
Date of Approval: March 1994 ODP phaseout: 15 tonnes/annum
Proposed completion date: July 1995 Actual completion date: Sept. 1995
Approved funding: \$315,000 Expenditures/Obligations: \$155,000 (open)

Nikon is a manufacturer of thermoware. Under the project, the use of CFC-11 was replaced by chemically generated CO₂, complemented in the interim by HCFC-141b. The project financed the incremental capital cost of high pressure equipment, production trials, production and safety training, and recurrent incremental costs based on higher materials cost resulting from changes in product formulations. The project was declared completed and was formally commissioned on 6 September 1995 in a ceremony attended by UNDP, UNOPS, and DENR representatives. Awaiting final expenditure statements for the project.

- f) TRT/SEV/04/TRA/01: Trinidad and Tobago: Training of staff and preliminary work on the Country Programme
Date of approval: June 91
Proposed completion date: Dec. 1992 Actual completion date: Sept. 1995
Approved funding: US\$ 53,800 Expenditures/Obligations: US\$ 53,902
- g) TRT/SEV/06/CPG/03: Trinidad and Tobago: Country programme preparation
Date of approval: Feb. 1992
Proposed completion date: Dec. 1992 Actual completion date: Sept. 1995
Approved funding: US\$ 25,000 Expenditures/Obligations: US\$ 26,200

National staff received training on procedures used in Mexico for the rapid elimination of CFCs in aerosols. The balance of the training programme focussed on the preparation and implementation of the ODS reconnaissance study. CARIRI was selected and given a subcontract for the formulation of the Country Programme was assistance and advice provided by a UNDP consultant. After several delays mainly caused by the abolition and then re-establishment of the government department dealing with the environment, the CP has been finalized and has been submitted to the 18th ExCom for approval.

- h) URI/SEV/13/PRP/08: Uruguay: Project preparation assistance
Date of approval: July 1994
Proposed completion date: June 1995 Actual completion date: Sept. 1995
Approved funding: US\$ 30,000 Expenditures/Obligations: US\$ 30,531

Several visits by UNDP foam consultants resulted in the formulation and later ExCom approval of two umbrella projects in the foam sector (\$657,000). A technical assistance project in the aerosol sector is being presented for approval at the 18th ExCom Meeting. UNDP's halons sector expert assisted the Government in the formulation and submission of an umbrella project for the sector in 1994; it is still awaiting adoption by the ExCom of a strategy for low halon consuming countries. The ongoing recovery/recycling project was developed by the Government directly and evaluated by a UNDP consultant.

- i) GLO/FOA/14/TAS/69: Global: Determination of cost-effective phaseout approaches for enterprises with relatively small ODS use in foams

Date of approval: Sept. 1994

Proposed completion date: Sept. 1995 Actual completion date: Sept. 1995

Approved funding: \$50,000

Expenditures/obligations: \$50,000

The strategy paper was prepared by UNDP's foam sector expert, in close cooperation with the Fund Secretariat, following the ExCom's request at its 14th Meeting for a strategy to address small foam consumers in a cost-effective manner. The paper is quite detailed in its subsectoral recommendations by size and technology choice for small-scale enterprises in extruded polyethylene/polystyrene foams, in flexible polyurethane foams (slabstock/boxfoam process), in flexible/semi-rigid polyurethane foams (molded/integral Skin), and in rigid polyurethane foams (molded, spray, panels, boardstock). The paper was submitted to the 17th ExCom where it could not be discussed due to lack of time. It will now be discussed at the 18th ExCom Meeting.

- j) GLO/SEV/06/TAS/13: Global: Participation at workshops and key meetings

Date of approval: Feb. 1992

Proposed completion date: Dec. 1992 Actual completion date: Sept. 1995

Approved funding: \$140,000

Expenditures/obligations: \$140,000

This project financed the participation of 60 representatives from developing countries at key international/regional technical and policy meetings dealing with ozone layer protection and sectoral phaseout strategies such as: the 1992, 1993, 1995 and 1995 International CFC and Halons Alternatives Conference in Washington D.C.; the 1993 Regional Conference on Halons in Caracas, Venezuela; the 1993 International CFC Conference in Beijing; the 1993 Halons Workshop in Mexico; and the 1993 NFPA (fire protection) Conference in Florida.

ODS Phaseout Projects Completed

10. During the reporting period of 15 June to 30 September 1995, UNDP completed one foam investment project in the Philippines (Nikon) that eliminated 15 ODP tonnes.
11. In total, then, UNDP has cumulatively completed/commissioned 21 ODS investment phaseout projects and have eliminated a total of 1,256 ODP tonnes comprising 1,214 ODP tonnes in the foam sector (16 projects), 24 ODP tonnes in solvents (4 projects), and 18 ODP tonnes in refrigeration (1 project). Of these 21 completed investment projects, 2 are in China, 6 are in Egypt, 11 in Malaysia, 1 in the Philippines and 1 in Thailand.

implementation. NEPA continues to expand its project management office to accelerate programme delivery. On the occasion of International Ozone Day (16 Sept.), NEPA conducted a public awareness campaign and workshop on ODS phaseout which was well received. Following participation at the 1995 International CFC and Halons Alternatives Conference during 23-25 October in Washington DC, a Chinese national counterpart team from NEPA and NCLI will meet with UNDP and UNOPS for discussions on project and programme implementation and future work programme activities.

COLOMBIA

The 17th ExCom Meeting approved 4 new projects for UNDP implementation totalling \$1.06 million. Due to implementation difficulties related to problems of taxation on project equipment, especially where the enterprise also provides partial funding, a joint UNDP/UNOPS implementation visit to Bogota in August 1995 had discussions with the companies and various ministries involved on methods to resolve these difficulties.

EGYPT

Implementation of several foam sector investment projects is progressing rapidly. A joint UNDP/UNOPS team will visit Egypt in mid-November 1995 to commission four investment projects, including the first cyclopentane project to be completed. The team will also discuss remaining CFC phaseout activities in the foam and commercial refrigeration sectors.

INDIA

In early July 1995, UNDP was officially informed by MOEF of its agreement to use the agency-execution modality instead of the originally proposed financial intermediary approach which is not feasible under UNDP financial rules and procedures. Project documents are awaiting signature. Meanwhile, initial procurement activities are progressing and should facilitate rapid movement once the project documents are signed. With the programme reactivated, a project formulation team visited in Sept. 1995 and 6 foam sector investment projects were finalized, received Government approval and were submitted to the 18th ExCom Meeting for consideration.

JAMAICA

A UNDP consultant helped counterparts draft a project proposal for recovery/recycling of refrigerant which is being submitted to the 18th ExCom Meeting.

KENYA

The Ozone Office under the Institutional Strengthening project is now fully operational and undertaking various activities including project identification, programme monitoring and public awareness.

MALAYSIA

The 17th ExCom Meeting approved 2 new projects for UNDP implementation totalling \$0.24 million. Project implementation is progressing at a slower pace than anticipated due to some difficulties encountered during the equipment procurement stage, primarily related to financial transfers from the beneficiary enterprises to UNOPS to cover the balance of funds required. However, UNDP still hopes to commission five projects by end-1995.

MAURITIUS

The 17th ExCom Meeting approved a project for the recovery/recycling of refrigerant amounting to \$176,350. Project documents for the two refrigeration projects approved at the 17th ExCom Meeting have been signed and procurement activities are underway.

PHILIPPINES

A Halons workshop/demonstration was held during 21-25 August 1995 immediately after the ODSINET Workshop for Southeast Asia. The Government received a H-1211 recovery/recycling machine which was used for the hands-on demonstration. USEPA and the US Navy co-implemented the activity which had 45 halons sector participants, with UNDP's halons sector expert as principal resource person. The workshop highlighted the difficulties and uncertainties of participants regarding the existence and choice of alternatives. As a result, two additional H-1211 recovery/recycling machines will be sent, 3 halons projects were developed with one submitted to the 18th ExCom meeting, and the national halons phaseout strategy was finalized and presented to the Government for approval. The NIKON Industrial Corporation foam project was also commissioned on 6 September 1995 phasing out 15 tonnes/annum of CFCs in the manufacture of rigid PUF for thermoware.

SRI LANKA

The 17th ExCom Meeting approved 3 new projects covering the full domestic refrigeration sector for UNDP implementation with budgets totalling \$0.77 million. All three project documents have been signed, implementation has started and equipment specifications have been reviewed and approved by the enterprises. The Institutional Strengthening project is progressing with the ozone unit very active in overall programme coordination and monitoring. A project proposal was formulated in August 1995 to phaseout CFC use at the only aerosols plant in the country.

THAILAND

The 17th ExCom Meeting approved 2 new aerosols projects for UNDP implementation totalling \$1.06 million. An aerosols project implementation visit by a UNDP aerosols consultant and UNDP staff took place in late-August 1995. For the two recently approved aerosols projects, procurement activity for one project is underway and the second plant has been inspected. A second visit is scheduled for end-October to review all projects in the foam sector and follow-up on existing pipeline projects.

TRINIDAD & TOBAGO

The Country Programme has been finalized and has been submitted to the 18th ExCom Meeting for approval.

URUGUAY

A national workshop for spray foamers was organized in Sept. 1995 with the participation of UNDP's foam sector expert. Several participants from Argentina and Brazil were able to attend this workshop. Implementation of the umbrella 5-enterprise flexible foam project is progressing satisfactorily. For DIVINO, a final decision on technology choice will be decided in Dec. 95 during the next visit of the foam sector expert. POLYFLEX has carried out test trials and will get reimbursed for the cost of modifying their production process. For the other three companies, a project revision within the same budget is being processed whereby SUDAMTEX will only receive technical support, RONIT is voluntarily withdrawing as they already converted, and

MAXI would receive additional assistance to cover their integral skin operations. The Fund Secretariat was fully briefed on this budget revision.

VENEZUELA

The 17th ExCom Meeting approved 3 new projects in commercial refrigeration and compressors for UNDP implementation amounting to \$1 million. Three other projects will be approved at the 18th ExCom meeting under blanket approval. An implementation visit in Sept. 1995 drew up equipment specifications for all six companies to facilitate project implementation.

VIETNAM

An implementation/formulation visit by a UNDP aerosols consultant and MPU staff took place in August 1995. An informal survey of the aerosol industry was conducted in Ho Chi Minh City. Projects for 2 medium-sized enterprises were finalized and submitted to the 18th ExCom Meeting for approval; the remaining enterprises are small operators and the Government is considering a proposal to assist these SMEs eliminate use of CFCs. Discussions were also held on the overall UNDP MP work programme.

GLOBAL/REGIONAL PROJECTS: HIGHLIGHTS

GLOBAL HALONS PROJECT

During the reporting period, activities concentrated in the Philippines. During 21-25 August, a Halons Management/Demonstration Workshop was held in Manila. 45 participants (suppliers, end users, manufacturers, policy makers) discussed a national halons phaseout strategy. The participants visited plants where halons recovery/recycling demonstrations took place. USEPA and UNDP together assisted the Government develop a comprehensive programme. Three projects which would cover the entire sector were developed, 1 has been submitted to the 18th ExCom Meeting and the others will be submitted in the future.

GLOBAL MAC PROJECT

Implementation of this joint UNDP/USEPA implemented project has had positive impacts. Activities to date have been funded in China, Mexico, Uruguay and Venezuela. The remaining balance of \$18,921 will go towards recruitment of a national consultant and participation of Uruguay in the bilateral regional MAC demonstration programme approved for USEPA in Argentina and Colombia. The proposed Phase 2 of the Global MAC project would cover Argentina, Brazil, Colombia, India, Indonesia and the Philippines.

REGIONAL MAC PROJECTS

The first (Latin American) of the three regional MAC workshops/demonstration projects will be implemented during 6-7 November in Santo Domingo, Dominican Republic. The workshop has been scheduled to coincide with UNEP's ODSNET Workshop for Central America. The experience will then be replicated to the Asia/Pacific and Middle East/Africa regions in 1Q96 and 2Q96 respectively.

MEETINGS ATTENDED AND INTERAGENCY COOPERATION

- a) The UNDP Resident Representative in India, Mr. Hans von Sponeck, had discussions on UNDP's MP work programme in India with UNDP/MPU staff (Mr. Pinto, Ms. Reno) in New York on 17 July 1995.
- b) A Danish team (Messrs. Jorgen Hartnack, Neils Busch) had discussions on a potential bilateral recovery/recycling project in China with UNDP/MPU staff (Mr. Pinto, Ms. Reno) in New York on 20 July 1995.
- c) Four UNDP/MPU staff (Mr. Pinto, Ms. Reno, Mr. van Engel, Ms. Corpus), UNOPS staff (Ms. Linda Cauvin) and several UNDP international and national experts/consultants (Nandan Chirmulay, Hubert Cryf, Maria Lucia Gomez, Tommy Lauridsen, Ted Mendoza, Clinton Norris, Erik Pedersen, Bert Veenendaal, Franz Voorvalt, Maoqi Zhang) participated at the first meeting of implementing agency staff/consultants (UNDP/UNEP/UNIDO/World Bank/Fund Secretariat) for project template discussions, standardization of project proposals, interagency coordination and information dissemination during 5-7 July in Paris hosted by UNEP.
- d) Three UNDP/MPU staff (Mr. Pinto, Ms. Reno, Mr. Van Engel) participated at the Project Review Subcommittee Meeting (24-25 July 1995) and at the 17th Meeting of the Executive Committee (26-28 July 1995) in Montreal.
- e) A joint UNDP/MPU (Mr. Pinto, Mr. Van Engel) and UNOPS (Ms. Linda Cauvin) team visited Bogota, Colombia, during 9-11 August 1995 to explain the project approval and implementation process of Multilateral Fund approved projects to companies and Government Ministries.
- f) UNDP/MPU staff (Ms. Reno, Ms. Corpus) represented UNDP and spoke at the First Meeting of National ODS Officers from South-East Asia, organized by UNEP, in Manila during 14-18 August 1995.
- g) UNDP/MPU staff (Ms. Corpus) and UNDP halons sector expert, Mr. Erik Pedersen, represented UNDP and spoke at the Philippines Workshop held under UNDP's Global Halons project and assisted in the development of the national halons phaseout strategy and halon sector project proposals in Manila during 23 August - 8 Sept. 1995.
- h) UNDP/MPU staff (Ms. Corpus), UNDP consultant Jacko Karvinen, UNDP halons/safety expert Erik Pedersen, UNDP Resident Representative Kevin McGrath, DENR Under-Secretary Ben Delfin and company senior officials participated at the commissioning of UNDP's Nikon foam project in Manila on 6 September 1995. This was UNDP's first project commissioning in the Philippines.
- i) UNDP/MPU staff (Mr. Pinto) represented UNDP at the 10th Meeting of the MP Implementation Committee (25 Aug) and at the 12th Meeting of the Open-Ended Working Group of the Parties to the Montreal Protocol (28 Aug - 1 Sept) in Geneva.

- j) Mr. Deng Yongzheng (UNDP/Beijing) visited UNDP/MPU and UNOPS for detailed briefings on ExCom project approval and UNDP implementation procedures during 5-14 September 1995. Together with Ms. Reno, he visited Montreal on 15 September for meetings and discussions with the Chief Officer and staff of the Fund Secretariat on the China MP work programme.
- k) UNDP/MPU staff (Mr. van Engel) represented UNDP and made presentations at the ODS Officers Meeting for French-speaking Africa, organized by UNEP, in Dakar, Senegal, during 18-20 September.
- l) The UNDP Resident Representative in Colombia, Mr. Carlos del Castillo, had discussions on UNDP's MP work programme in Colombia with UNDP/MPU staff (Messrs. Pinto/van Engel) in New York on 26 September 1995.
- m) The UNDP Resident Representative in Trinidad & Tobago, Mr. Jan Van Eyndhoven, discussed the recently completed national MP Country Programme and technical assistance and investment needs under the Montreal Protocol with UNDP/MPU staff (Messrs. Pinto/van Engel) in New York on 2 October 1995.
- n) UNDP/MPU staff (Mr. Pinto) met in New York on 13 October with Ms. Marion Cox, UNEP Consultant on Training Strategy for discussions on the paper on this subject to be presented to the 19th ExCom Meeting.
- o) UNDP/MPU staff will meet in New York with the visiting Malaysian Montreal Protocol team (Messrs. Ismail Ithnin, P. Kumarasamy, Jee Say Loo) for discussions on 16 October 1995.
- p) UNDP/MPU staff (Mr. Pinto, Ms. Reno, Mr. Van Engel) will participate at the 20 October meeting in Montreal hosted by the Fund Secretariat to discuss agency 1996 business plans.
- q) UNDP/MPU staff (Mr. Pinto) and UNDP expert, Mr. Clinton Norris, will represent UNDP and make presentations at the 1995 International CFC & Halons Alternatives Conference held in Washington D.C. during 23-25 October 1995.
- r) UNDP will be represented (Mr. Clinton Norris) at the World Bank OORG Meeting held in Washington DC on 26 October 1995.
- s) UNDP/MPU staff will meet in New York with the visiting Chinese Montreal Protocol team (Messrs. Liu Yi, Yang Lirong, etc. etc.) for discussions during 27-30 October 1995.
- t) UNDP/MPU staff (Mr. van Engel) will make a presentation at UNDP's Latin America MAC Workshop in Santo Domingo on 6th November, and thereafter during 7-9 November will represent UNDP at the ODS Officers Meeting for Central America, organized by UNEP.
- u) A joint UNDP/UNOPS team (Mr. Pinto, Ms. Linda Cauvin, Mr. Bert Veenendaal) will visit Egypt during 12-15 November 1995 in order to commission four UNDP-implemented foam projects, assist the Government in media awareness, and have meetings with EEAA counterparts.

UNDP'S MONTREAL PROTOCOL STAFF AND EXPERTS/CONSULTANTS

- o Mr. Frank Pinto, Principal Technical Adviser, and Chief, Montreal Protocol Unit (MPU), Energy and Atmosphere Programme/SEED.
- o Ms. Laurence Reno, Regional Programme Officer, MPU, covering Asia/Pacific, Egypt and Mauritius.
- o Mr. Jacques Van Engel, Regional Programme Officer, MPU, covers Latin America/Caribbean, the Middle East, French-speaking Africa, Ethiopia and Nigeria.
- o Ms. Cecilia Corpus, Principal Prog/Admin Assistant, MPU, covers administrative/ financial matters for the programme, covers the Philippines, English-speaking East Africa, and handles the global halons and global MAC projects.
- o Mr. Jessie Reyes, MPU Secretary.

UNOPS: The principal executing agency for UNDP in the implementation of its projects is the UN Office of Project Services (UNOPS). Staff dealing with Montreal Protocol matters include:

- o Mr. Ingolf Schuetz-Mueller, Chief, Division for Special and Interregional Programmes & Europe
- o Ms. Linda Cauvin, Programme Management Officer
- o Ms. Inge Huls, Programme Management Officer
- o Ms. Dionysia Geka-Solomos, Programme Management Officer
- o Ms. Nahid Chaudhury, Programme Management Assistant
- o Ms. Olga Cestero-Ferguson, Programme Management Assistant
- o Ms. Claudine Conan, Programme Management Assistant

Several UNDP Country Offices have strengthened their capabilities to assist implementing agencies in national project and programme implementation. For non-UNOPS executed projects, UNDP Country Offices coordinate implementation arrangements directly with the Government.

The following sector specialists have retainer expert contracts with UNDP and are responsible for the design, technical implementation, monitoring and evaluation of UNDP projects/programmes in their fields of specialization:

- | | |
|------------------------------------|-------------------------|
| o Aerosols | : Mr. Geno Nardini |
| o Country policy and solvents | : Mr. Clinton Norris |
| o Foams | : Mr. Bert Veenendaal |
| o Halons and project safety audits | : Mr. Erik Pedersen |
| o Refrigeration/AC | : Mr. Stuart Kelly |
| o MAC | : Mr. Simon Oulouhojian |

Around 20 other international experts, in all sectors, have also been utilized as consultants, particularly in project preparation and implementation. UNDP has also utilized and continues to utilize several national experts on a part-time basis including those from Brazil, China, India, Malaysia, Mexico, the Philippines and Venezuela.

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UNDP WORK PROGRAMME UNDER THE MONTREAL PROTOCOL

FINANCIAL SUMMARY

(as of 30 September 1995)

COUNTRY/ REGION	FUND ALLOCATIONS	DISBURSEMENTS/ OBLIGATIONS	REMAINING BALANCE
ARGENTINA	1,634,500	387,810	1,246,690
BANGLADESH	587,920	86,850	501,070
BRAZIL	1,690,999	373,762	1,317,237
CHILE	25,000	25,000	0
CHINA	24,797,814	4,305,298	20,492,516
COLOMBIA	8,429,975	2,266,111	6,163,864
COSTA RICA	433,400	276,473	156,927
CUBA	391,000	249,800	141,200
ECUADOR	140,000	140,000	0
EGYPT	10,703,500	6,239,825	4,463,675
ETHIOPIA	30,000	0	30,000
GHANA	923,200	453,386	469,814
GUATEMALA	379,883	203,261	176,622
INDIA	3,214,100	628,957	2,585,143
INDONESIA	857,780	450,387	407,393
IRAN	283,485	154,960	128,525
JAMAICA	30,000	20,100	9,900
JORDAN	41,000	41,000	0
KENYA	209,850	103,132	106,718
MALAWI	12,500	4,963	7,537
MALAYSIA	10,873,508	6,326,132	4,547,376
MAURITIUS	674,208	25,000	649,208
MEXICO	8,687,352	225,916	8,461,436
NIGERIA	399,650	137,623	262,027
PAKISTAN	259,000	0	259,000
PANAMA	185,000	70,000	115,000
PERU	2,507,651	302,267	2,205,384
PHILIPPINES	3,691,340	1,547,490	2,143,850
SRI LANKA	993,618	116,040	877,578
TANZANIA	47,000	3,995	43,005
THAILAND	5,749,121	1,755,884	3,993,237
TRINIDAD/TOBAGO	78,800	80,102	(1,302)
UGANDA	12,500	4,238	8,262
URUGUAY	1,280,744	833,517	447,227
VENEZUELA	1,905,415	791,307	1,114,108
VIETNAM	338,430	50,288	288,142
ZAMBIA	20,000	5,096	14,904
SUBTOTAL (A)	92,519,243	28,685,970	63,833,273
REGIONAL	775,050	436,224	338,826
GLOBAL	1,693,717	1,410,110	283,607
SUBTOTAL (B)	2,468,767	1,846,334	622,433
GRAND TOTAL	94,988,010	30,532,304	64,455,706

Project Number and Region	Project Title	Date of Approval mm-yy	ODP in tons per year	Original date of completion mm-yy	Revised date of completion mm-yy	Approved Funding (US\$)	Funds Disbursed (US\$)	Rate of disbursement %	Savings or Deficits (US\$)	Status / Lessons Learned / Remarks
ARGENTINA ARG/SEV/04/TAS/01 Lat.America/Car.	Technical assistance for CP preparation	06-91	0	12-92	12-94	25,000	25,000	100	0	Completed.
ARGENTINA ARG/SEV/14/PRP/12 Lat.America/Car.	Project preparation assistance	09-94	0	12-95	06-95	70,000	70,000	100	0	Completed.
BANGLADESH BGD/SEV/04/TAS/01 Asia/Pacific	ODS reconnaissance survey and training	06-91	0	12-92	06-93	55,000	53,850	98	1,150	Completed
BANGLADESH BGD/SEV/06/CPG/02 Asia/Pacific	Country programme preparation	02-92	0	09-93	07-94	25,000	25,000	100	0	Completed.
BRAZIL BRA/REF/06/DEM/01 Lat.America/Car.	Demonstration programme for analysis of refrigerant CFC reuse technologies & processes	02-92	0	12-92	12-94	25,000	25,000	100	0	Completed.
BRAZIL BRA/SEV/11/PRP/10 Lat.America/Car.	Project preparation assistance	11-93	0	12-94	06-95	100,000	100,000	100	0	Completed.
CHILE CHI/REF/06/DEM/02 Lat.America/Car.	Demonstration programme for technicians in refrigerator servicing	02-92	0	12-92	09-93	25,000	25,000	100	0	Completed

Project Number and Region	Project Title	Date of Approval mm-yy	ODP in tons per year	Original date of completion mm-yy	Revised date of completion mm-yy	Approved Funding (US\$)	Funds Disbursed (US\$)	Rate of disbursement %	Savings or Deficits (US\$)	Status / Lessons Learned / Remarks
CHINA CPR/FOA/06/TAS/04 Asia/Pacific	Quality control testing on CFC-11 substitute technology in a production line for home refrigerators	02-92	0	12-92	09-93	65,000	60,019	92	4,981	Completed.
CHINA CPR/FOA/06/TAS/05 Asia/Pacific	Technical Assistance for CFC-11 substitute technology in rigid polyurethane foam	02-92	0	12-92	09-93	70,000	70,000	100	0	Completed.
CHINA CPR/FOA/10/INV/52 Asia/Pacific	Tianjin conversion to CFC-free technology in the manufacture of flexible polyurethane foam	06-93	180	09-94	06-95	1,080,000	1,080,000	100	0	Completed.
CHINA CPR/HAL/06/TAS/06 Asia/Pacific	Technical study on halons usage and applications of halons substitutes	02-92	0	12-92	06-93	40,000	43,345	108	-3,345	Completed.
CHINA CPR/REF/06/TAS/07 Asia/Pacific	Feasibility study on the application of HFC-134a technology in MACs and CFC recycling	02-92	0	12-92	12-93	40,000	24,836	62	15,164	Completed.
CHINA CPR/REF/06/TRA/08 Asia/Pacific	Evaluation on the use of reduced ODS and ODS-free technologies in the manufacture of refrigerators	02-92	0	03-93	09-93	75,000	75,000	100	0	Completed.
CHINA CPR/SEV/06/CPG/12 Asia/Pacific	Country programme preparation	02-92	0	03-93	03-93	200,000	200,000	100	0	Completed.

Project Number and Region	Project Title	Date of Approval mm-yy	ODP in tons per year	Original date of completion mm-yy	Revised date of completion mm-yy	Approved Funding (US\$)	Funds Disbursed (US\$)	Rate of disbursement %	Savings or Deficits (US\$)	Status / Lessons Learned / Remarks
CHINA CPR/SEV/09/PRP/28 Asia/Pacific	Project preparation assistance	03-93	0	12-93	12-94	100,000	100,000	100	0	Completed.
CHINA CPR/SEV/11/PRP/51 Asia/Pacific	Project preparation assistance	11-93	0	12-94	12-94	100,000	100,000	100	0	Completed.
CHINA CPR/SEV/15/PRP/106 Asia/Pacific	Project preparation assistance	12-94	0	12-95	06-95	100,000	100,000	100	0	Completed.
CHINA CPR/SOL/06/TAS/09 Asia/Pacific	Prefeasibility study to phaseout CFC-113 in electronics cleaning in four production lines	02-92	0	12-92	03-93	40,000	41,829	105	-1,829	Completed.
COLOMBIA COL/SEV/12/PRP/03 Lat. America/Car.	Project preparation assistance	03-94	0	06-95	06-95	100,000	100,000	100	0	Completed.
COSTA RICA CSR/SEV/04/TAS/01 Lat. America/Car.	ODS reconnaissance study	06-91	0	12-91	06-92	20,000	23,422	117	-3,422	Completed.
COSTA RICA CSR/SEV/06/CPG/02 Lat. America/Car.	Country programme preparation	02-92	0	12-92	09-92	20,000	22,909	115	-2,909	Completed.

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CUBA CUB/SEV/08/CPG/01 Lat.America/Car.	Country programme preparation	10-92	0	06-93	06-93	20,000	15,000	75	5,000	Completed.
ECUADOR ECU/REF/06/TRA/03 Lat.America/Car.	CFC refrigerant conversion and materials handling training programme	02-92	0	06-94	06-94	140,000	140,000	100	0	Completed.
EGYPT EGY/FOA/08/INV/05 Africa	Phaseout CFC-11 in manufacture of flexible PUF at Misr Foam	10-92	121	12-94	03-94	497,000	500,489	101	-3,489	Completed.
EGYPT EGY/FOA/08/INV/06 Africa	Phaseout CFC-11 in manufacture of molded, semi-rigid & rigid PUF at Taki-Vita Factory	10-92	50	03-95	06-95	352,500	352,500	100	0	Completed.
EGYPT EGY/FOA/08/INV/07 Africa	Phaseout CFC-11 in manufacture of molded PUF at Technopol Co.	10-92	55	12-94	06-94	645,000	676,211	105	-31,211	Completed.
EGYPT EGY/FOA/09/INV/11 Africa	Phaseout CFC-11 in molded foam manufacturing at Misr Foam	03-93	28	03-94	12-93	275,000	284,431	103	-9,431	Completed.
EGYPT EGY/FOA/11/INV/18 Africa	Convert to CFC-11 free technology in manufacture of rigid PUF at Specialized Engg. Contracting Co. (SECC)	11-93	15	12-94	09-94	85,000	85,000	100	0	Completed.

Project Number and Region	Project Title	Date of Approval mm-yy	ODP in tons per year	Original date of completion mm-yy	Revised date of completion mm-yy	Approved Funding (US\$)	Funds Disbursed (US\$)	Rate of disbursement %	Savings or Deficits (US\$)	Status / Lessons Learned / Remarks
EGYPT EGY/REF/08/INV/09 Africa	Phaseout CFCs in refrigeration at Koldair Company	10-92	18	12-94	03-94	272,000	250,021	92	21,979	Completed.
EGYPT EGY/SEV/04/TRA/02 Africa	Study tours for government and industry officials, and pre-feasibility studies	06-91	0	06-92	06-92	51,000	44,090	86	6,910	Completed.
EGYPT EGY/SEV/06/PRP/03 Africa	Preparation of investment projects (project preparation assistance)	02-92	0	09-93	09-93	100,000	100,319	100	-319	Completed.
EGYPT EGY/SEV/11/PRP/20 Africa	Project Preparation Assistance (reallocated funds)	11-93	0	12-94	12-94	75,000	75,000	100	0	Completed.
GHANA GHA/FOA/08/TAS/03 Africa	Technical assistance for technology transfer for CFC-11 phaseout in flexible foam	10-92	0	12-94	06-95	85,000	70,186	83	14,814	Completed.
GHANA GHA/REF/04/TRA/02 Africa	Refrigeration training programme for servicing technicians	06-91	0	12-92	12-92	5,200	5,200	100	0	Completed.
GUATEMALA GUA/SEV/11/PRP/05 Lat.America/Car.	Project preparation assistance	11-93	0	12-94	06-95	30,000	30,261	101	-261	Completed.

Project Number and Region	Project Title	Date of Approval mm-yy	ODP in tons per year	Original date of completion mm-yy	Revised date of completion mm-yy	Approved Funding (US\$)	Funds Disbursed (US\$)	Rate of disbursement %	Savings or Deficits (US\$)	Status / Lessons Learned / Remarks
INDIA IND/SEV/08/PRP/01 Asia/Pacific	Assistance in project preparation	10-92	0	12-93	03-94	100,000	81,661	82	18,339	Completed.
INDIA IND/SEV/09/CPG/03 Asia/Pacific	Country programme preparation	03-93	0	09-93	09-93	200,000	200,000	100	0	Completed.
INDONESIA IDS/SEV/08/CPG/01 Asia/Pacific	Country programme preparation	10-92	0	12-93	12-93	200,000	200,000	100	0	Completed.
INDONESIA IDS/SEV/11/PRP/06 Asia/Pacific	Project preparation assistance	11-93	0	12-94	12-94	100,000	100,000	100	0	Completed.
IRAN IRA/SEV/04/TAS/01 Asia/Pacific	ODS reconnaissance survey	06-91	0	12-91	06-92	30,350	30,350	100	0	Completed.
IRAN IRA/SEV/06/CPG/02 Asia/Pacific	Country programme preparation	02-92	0	12-92	06-93	35,000	35,000	100	0	Completed.
IRAN IRA/SEV/08/PRP/05 Asia/Pacific	Project preparation assistance	10-92	0	12-93	03-95	17,935	17,935	100	0	Completed.

Project Number and Region	Project Title	Date of Approval mm-yy	ODP in tons per year	Original date of completion mm-yy	Revised date of completion mm-yy	Approved Funding (US\$)	Funds Disbursed (US\$)	Rate of disbursement %	Savings or Deficits (US\$)	Status / Lessons Learned / Remarks
JORDAN JOR/ARS/04/TAS/01 Asia/Pacific	Technical assistance and study in the aerosols sector	06-91	0	12-91	03-92	29,000	29,000	100	0	Completed.
JORDAN JOR/ARS/06/TAS/12 Asia/Pacific	Feasibility study: deodorization of local gas as a CFC substitute in cosmetics	02-92	0	12-92	06-93	12,000	12,000	100	0	Completed.
KENYA KEN/REF/10/TRA/05 Africa	Demonstration and training unit for maintenance and recharge of refrigeration and AC equipment	06-91	0	12-92	12-92	9,850	9,852	100	-2	Completed.
KENYA KEN/SEV/06/CPG/02 Africa	Country programme preparation	02-92	0	09-93	06-94	25,000	22,730	91	2,270	Completed.
MALAYSIA MAL/FOA/10/INV/11 Asia/Pacific	Eliminate CFC-12 in manufacture of extruded polystyrene foam sheet at Jumaya Industries	06-93	150	12-94	12-93	235,811	235,873	100	-62	Completed.
MALAYSIA MAL/FOA/11/INV/15 Asia/Pacific	Key Asset: Elimination of CFC-11 and methyl chloroform in the manufacture of integral skin PUF	11-93	50	12-94	03-95	690,000	690,000	100	0	Completed.
MALAYSIA MAL/FOA/11/INV/17 Asia/Pacific	Elimination of CFC-11 in the manufacture of integral skin PUF at Island Resources Company	11-93	30	09-94	06-94	230,000	230,000	100	0	Completed.

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MALAYSIA MAL/FOA/12/INV/24 Asia/Pacific	Elimination of CFC-11 in the manufacture of integral skin, spoiler and moulded flexible foam at P.U. Tech	03-94	24	06-95	06-95	198,000	183,000	92	15,000	Completed.
MALAYSIA MAL/FOA/12/INV/26 Asia/Pacific	Pexafoam: Elimination of CFC-11 in the manufacture of flexible PUF (slabstock)	03-94	120	06-95	03-95	195,000	195,000	100	0	Completed.
MALAYSIA MAL/FOA/12/INV/27 Asia/Pacific	N.L.Y.: Elimination of CFC-11 in the manufacture of flexible PUF (slabstock).	03-94	55	06-95	03-95	130,000	130,000	100	0	Completed.
MALAYSIA MAL/FOA/13/INV/35 Asia/Pacific	Phoenix Base: Elimination of CFC-11 in the manufacture of flexible PUF	07-94	61	12-95	06-95	165,000	187,500	114	-22,500	Completed.
MALAYSIA MAL/SEV/10/PRP/14 Asia/Pacific	Project preparation assistance	06-93	0	03-94	03-94	50,000	54,438	109	-4,438	Completed.
MALAYSIA MAL/SEV/10/TRA/13 Asia/Pacific	National ODS Conference (technical assistance)	06-93	0	09-93	09-93	40,000	40,000	100	0	Completed.
MALAYSIA MAL/SEV/12/PRP/31 Asia/Pacific	Project preparation assistance	03-94	0	06-95	12-94	100,000	100,000	100	0	Completed.

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MALAYSIA MAL/SOL/11/INV/18 Asia/Pacific	Conversion of metal cleaning processes from TCA to non-ODS organic solvents at Ngai Cheong Metal Industries	11-93	2	12-94	06-95	63,480	63,480	100	0	Completed.
MALAYSIA MAL/SOL/11/INV/19 Asia/Pacific	Eliminate TCA in home appliance parts mfg. at Matsushita Electric Company (main plant)	11-93	1	09-94	06-94	113,570	113,570	100	0	Completed.
MALAYSIA MAL/SOL/11/INV/20 Asia/Pacific	Eliminate TCA use in home appliance parts mfg. at Matsushita Electric Co. (Port Klang plant)	11-93	1	09-94	06-95	173,280	199,272	115	-25,992	Completed.
MALAYSIA MAL/SOL/12/INV/21 Asia/Pacific	Eliminate TCA use in automobile bumper cleaning at Perusahaan Otomobil Nasional Bhd (PROTON)	03-94	20	03-96	06-95	700,439	700,439	100	0	Completed.
MAURITIUS MAR/SEV/12/PRP/04 Africa	Project preparation assistance	03-94	0	06-95	06-95	25,000	25,000	100	0	Completed.
MEXICO MEX/HAL/06/TAS/06 Lat.America/Car.	Preparatory study on halons inventory and proposals for revisions of existing standards	02-92	0	12-92	09-95	25,000	27,223	109	-2,223	Completed. Activity undertaken by a national consultant with assistance from UNDP's halons sector expert. Data was gathered on halons usage in Mexico and projects are being prepared in this sector to be presented in 1996.
MEXICO MEX/SEV/04/PRP/03 Lat.America/Car.	Preparation of terms of reference for investment projects identified in the CP	06-91	0	12-92	06-95	50,000	52,277	105	-2,277	Completed.

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MEXICO MEX/SEV/11/PRP/14 Lat America/Car.	Project preparation assistance	11-93	0	12-94	12-94	50,000	50,000	100	0	Completed
NIGERIA NIR/SEV/04/TRA/02 Africa	National seminar on industry & protection of the ozone layer	06-91	0	03-92	12-92	49,650	26,449	53	23,201	Completed
PANAMA PAN/SEV/11/PRP/03 Lat America/Car.	Project preparation assistance	11-93	0	12-94	09-95	30,000	30,000	100	0	Completed. As a final activity, an additional visit in Sept.95 by UNDP's recovery/recycling consultant resulted in a project being presented to the 18th ExCom Meeting.
PERU PER/SEV/13/PRP/02 Lat America/Car.	Project preparation assistance	07-94	0	12-95	09-95	100,000	102,267	102	-2,267	Completed. As a final activity, a UNDP consultant visit resulted in formulation of a project in recovery-recycling of refrigerant that will be presented to the 19th ExCom meeting.
PHILIPPINES PHI/REF/04/TRA/01 Asia/Pacific	Training programme in the refrigeration sector	06-91	0	06-92	12-92	64,000	62,297	97	1,703	Completed.
PHILIPPINES PHI/SEV/08/CPG/05 Asia/Pacific	Country programme preparation	10-92	0	06-93	12-93	79,640	79,640	100	0	Completed.
PHILIPPINES PHI/SEV/11/PRP/22 Asia/Pacific	Project preparation assistance	11-93	0	12-94	12-94	50,000	50,000	100	0	Completed.

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SRI LANKA SRL/SEV/06/CPG/01 Asia/Pacific	Country programme preparation	02-92	0	06-93	12-93	35,000	35,000	100	0	Completed.
THAILAND THA/FOA/11/INV/20 Asia/Pacific	Eliminate CFC-114 in manufacture of extruded polystyrene foam sheet and profiles at Thermalex Insulation Asia	11-93	0			6,516	6,516	100	0	Completed. Project cancelled at 17th ExCom with the agreement of enterprise and Govt. Disbursement reflects UNDP expenses incurred for technical visits during project implementation stage that culminated in project cancellation.
THAILAND THA/SEV/04/TRA/02 Asia/Pacific	Training of Government staff	06-91	0	06-92	12-92	50,000	53,785	108	-3,785	Completed.
THAILAND THA/SEV/10/PRP/11 Asia/Pacific	Project preparation assistance	06-93	0	06-94	09-94	50,000	50,000	100	0	Completed.
TRINIDAD/TOBAGO TRT/SEV/04/TRA/01 Lat.America/Car.	Training of Govt. technical staff and preliminary work on the country programme	06-91	0	12-92	09-95	53,800	53,902	100	-102	Completed. See completion of the CP below.
TRINIDAD/TOBAGO TRT/SEV/06/CPG/03 Lat.America/Car.	Country programme preparation	02-92	0	12-92	09-95	25,000	26,200	105	-1,200	Completed. The CP was finalized by the national executing agent (CARIRI), was reviewed by UNDP and the Fund Secretariat and is being presented for approval at the 18th ExCom Meeting.
URUGUAY URU/SEV/04/TAS/01 Lat.America/Car.	Consultant mission to assess technical assistance requirements	06-91	0	12-91	12-92	13,050	14,042	108	-992	Completed.

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URUGUAY URU/SEV/08/CPG/02 Lat.America/Car.	Country programme preparation	10-92	0	06-93	06-93	23,894	25,444	106	-1,550	Completed.
URUGUAY URU/SEV/13/PRP/08 Lat.America/Car.	Preparation of projects in the foams and halons sector	07-94	0	06-95	09-95	30,000	30,531	102	-531	Completed. UNDP sector experts visited Uruguay in second half 1995 to continue project preparation activities.
VENEZUELA VEN/HAL/09/TAS/09 Lat.America/Car.	Workshops for the recycling and banking of halons	03-93	0	03-94	06-94	26,800	23,100	86	3,700	Completed.
VENEZUELA VEN/REF/04/TRA/01 Lat.America/Car.	Technical assistance and training of servicing technicians in the refrigeration sector	06-91	0	03-92	06-92	30,000	19,020	63	10,980	Completed.
VENEZUELA VEN/REF/09/PRP/10 Lat.America/Car.	Workshops for identification of projects in the refrigeration sector	03-93	0	12-93	12-94	19,800	19,800	100	0	Completed.
VENEZUELA VEN/REF/09/TAS/11 Lat.America/Car.	Workshops on conversion and installation of new non-ODS central A/C systems	03-93	0	06-94	06-94	26,200	13,200	50	13,000	Completed.
VENEZUELA VEN/REF/12/DEM/14 Lat.America/Car.	Pilot Programme in Recovery and Recycling of CFC-12 in Mobile Airconditioning	03-94	0	03-95	03-95	13,400	13,400	100	0	Completed.

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VENEZUELA VEN/SEV/11/CPG/17 Lat.America/Car.	Finalization of the Venezuela Country Programme	11-93	0	12-94	06-95	12,000	12,000	100	0	Completed.
VENEZUELA VEN/SEV/15/PRP/21 Lat.America/Car.	Project preparation assistance	12-94	0	12-95	06-95	40,000	40,000	100	0	Completed.
REGIONAL AFR/FOA/06/TRA/03 Africa	One of three low-CFC foam training and demonstration programmes (Middle East/Africa)	02-92	0	12-92	12-93	52,500	38,087	73	14,413	Completed.
REGIONAL ASP/FOA/06/TRA/05 Asia/Pacific	One of three low-CFC Foams training and demonstration programme (Asia and Pacific)	02-92	0	12-92	12-93	52,500	36,828	70	15,672	Completed.
REGIONAL GLO/HAL/06/TRA/16 Africa	Halons reduction/recycling training & demonstration programme (Africa/Middle East)	02-92	0	12-92	12-93	60,000	39,012	65	20,988	Completed.
REGIONAL LAC/FOA/06/TRA/02 Lat.America/Car.	Regional low-CFC foam training and demonstration programme (Latin America)	02-92	0	12-93	12-93	52,500	53,812	102	-1,312	Completed.
REGIONAL LAC/HAL/06/TRA/03 Lat.America/Car.	Halons reduction/recycling training and demonstration programme (Latin America)	02-92	0	03-94	06-94	60,000	44,842	75	15,158	Completed

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REGIONAL LAC/REF/06/TRA/05 Lat America/Car	Training/demo. programme in commercial/industrial refrigeration in Latin America	02-92	0	09-92	09-92	23,000	23,047	100	-47	Completed.
GLOBAL GLO/FOA/06/TAS/08 Global	Technical assistance in flexible polyurethane foam sector	02-92	0	12-92	12-93	40,000	40,000	100	0	Completed.
GLOBAL GLO/FOA/06/TAS/17 Global	Technical Assistance in rigid polyurethane foam sector	02-92	0	12-92	12-93	60,000	60,000	100	0	Completed.
GLOBAL GLO/FOA/14/TAS/69 Global	Determination of cost-effective phaseout approaches for enterprises with relatively small ODS use in foams	09-94	0	09-95	09-95	50,000	50,000	100	0	Completed. The strategy paper was submitted to the 17th ExCom but due to inadequate time will now be discussed at the 18th ExCom Meeting. Following approval it would serve as a model for small ODS users in other sectors as well.
GLOBAL GLO/HAL/06/DEM/04 Global	Procurement of 40 H-1211 recycling machines for demonstration and continued use	02-92	0	06-93	09-93	250,000	250,000	100	0	Completed.
GLOBAL GLO/HAL/06/TAS/10 Global	Technical assistance in halons	02-92	0	12-92	06-94	70,000	70,000	100	0	Completed.
GLOBAL GLO/HAL/13/TAS/37 Global	Analysis and formulation of a halon action plan and phaseout strategy for small consuming countries	07-94	0	03-95	03-95	50,000	50,000	100	0	Completed.

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GLOBAL GLO/REF/06/TAS/07 Global	Technical assistance in refrigeration	02-92	0	12-92	09-94	90,000	90,000	100	0	Completed.
GLOBAL GLO/SEV/06/TRA/13 Global	Participation at workshops and key meetings	02-92	0	12-92	09-95	140,000	140,000	100	0	Completed. This project had been operationally completed and has now been financially closed.
GLOBAL GLO/SEV/12/TAS/63 Global	Safety, pre-assessment & post-assessment of UNDP implemented foam & solvent sector projects	03-94	0	06-95	06-95	25,000	28,000	112	-3,000	Completed.
GLOBAL GLO/SOL/06/TAS/09 Global	Technical assistance in solvents	02-92	0	12-92	09-93	50,000	50,000	100	0	Completed.
TOTALS:			981			10,955,665	10,859,739	99	95,926	

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ARGENTINA ARG/FOA/14/INV/13 Lat.America/Car.	Convert to non-CFC technology in the manufacture of flexible and integral skin PUF at PRENSIPLAST	09-94	30	12-95	12-96	345,000	100,000	29	195,000	Specs on retrofitting the existing equipment were drawn up. Delay since counterpart personnel at Prensiplast left company in 05-95. Visit by UNDP's Foam Sector Expert in Sept 95 resolved pending issues. Equipment purchase in 11-95.
ARGENTINA ARG/FOA/15/INV/14 Lat.America/Car.	CINTER S.R.L. Elimination of CFC use in the manufacture of sandwich polyurethane panels	12-94	45	12-95	12-96	725,000	100,000	14	400,000	Equipment specs made in May 1995 were not processed due to difficulty in selection between two options related to machinery layout in the plant. Visit in Sept 95 resolved this matter and bidding will start in Oct 95.
ARGENTINA ARG/HAL/13/TAS/07 Lat.America/Car.	Technical assistance to prepare a national halons programme	07-94	0	06-95	06-96	50,000	45,810	92	45,810	Visit in Oct 95 by UNDP's halon sector expert. Subcontract with NATALONI almost completed. INTI subcontract still being negotiated. A halon banking project should be ready for 19th ExCom Meeting. National workshop planned for 04-96.
ARGENTINA ARG/SEV/13/INS/11 Lat.America/Car.	Institutional strengthening	07-94	0	12-97	12-97	359,500	24,000	7	24,000	Three ministries involved are still discussing implementation modalities which slows project implementation. Expenditures correspond to purchase of equipment and recruitment of local staff in 1995.
ARGENTINA ARG/SEV/17/PRP/25 Lat.America/Car.	Project preparation assistance	07-95	0	12-96	12-96	60,000	23,000	38	23,000	Visit by UNDP's foam sector expert undertaken in Sept 95. 8 project proposals submitted to the 17th ExCom Meeting were deferred due to lack of funding or policy issues and will be reconsidered at the 18th ExCom Meeting.
BANGLADESH BGD/ARS/17/INV/05 Asia/Pacific	Conversion to CFC-free technology in the manufacture of aerosol products at Advanced Chemical Industries Ltd. (ACI)	07-95	124	06-97	06-97	322,920	0	0	0	Signature of project document pending final decision by government on implementation modality.
BANGLADESH BGD/SEV/14/INS/04 Asia/Pacific	Institutional strengthening	09-94	0	12-97	12-97	150,000	0	0	0	Project document signed, recruitment activities currently underway. Workplan has been approved and disbursement authorization issued.

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BANGLADESH BGD/SEV/14/PRP/03 Asia/Pacific	Project preparation assistance	09-94	0	12-95	03-96	35,000	8,000	23	8,000	One aerosol investment project approved and being implemented. A visit by a UNDP recovery/recycling expert is scheduled for Dec95/Jan96 to formulate a comprehensive national programme for CFC recovery and recycling.
BRAZIL BRA/FOA/12/INV/11 Lat America/Car.	Conversion to CFC-free technology in the manufacture of rigid PUF (spray) in three companies	03-94	72	06-95	12-96	370,000	71,606	19	71,606	Visit by UNDP foam expert in 09-95. Prototype dispenser unit was built, pilot/production trials in Oct/Nov 95. If trials are successful, prototype will be commissioned and produced for other participating companies.
BRAZIL BRA/FOA/17/INV/21 Lat America/Car.	PLASCAR Conversion to CFC-free technology in manufacture of integral skin PUF for steering wheels	07-95	15	12-96	12-96	119,400	0	0	5,000	Implementation visit by UNDP's foam expert in Sept 95. PLASCAR will contact chemical and equipment suppliers to establish specs. Bidding may not be required since only retrofitting is needed.
BRAZIL BRA/REF/17/INV/24 Lat America/Car.	Eliminate CFCs in the manufacture of domestic chest freezers at Multibras S.A. Eletrodomesticos	07-95	166	12-96	12-96	598,499	5,000	1	10,000	Implementation visit by UNDP foam expert in Sept 95. Most activities for the foam part will be done locally. Visit by UNDP refrigeration consultant in Oct 95.
BRAZIL BRA/SEV/10/INS/09 Lat America/Car.	Institutional strengthening	07-93	0	09-96	12-97	403,100	138,905	34	138,905	Following national elections, activities of the interagency GTO were temporarily suspended. A decree was issued in Sept 95 re-establish a new unit (PROZON). Once it is operational, project activities will resume.
BRAZIL BRA/SEV/17/PRP/22 Lat America/Car.	Project preparation assistance	07-95	0	06-96	06-96	75,000	33,251	44	33,251	Contracts with local consultants (coordinator, foam, solvents) were extended. UNDP foam sector expert visit in Sept95. second visit by Recovery-Recycling MAC consultant in Sept95.
CHINA CPR/ARS/06/TAS/02 Asia/Pacific	TA for Guangdong aerosols inv project and investigation of non-ODS filling technology and LPG purification	02-92	0	12-92	06-96	75,000	45,684	61	45,684	Delay in activity completion. Project status and further project activity will be discussed with NEPA in late October 1995. Project completion rescheduled to 06-96.

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CHINA CPR/FOA/06/TAS/03 Asia/Pacific	Technical assistance for CFC-11 substitute technology in flexible polyurethane foam	02-92	0	12-92	12-94	70,000	65,000	93	70,000	Operationally Completed. Awaiting closure of financial accounts.
CHINA CPR/FOA/07/TAS/17 Asia/Pacific	TA to the Beijing Household Electric Appliances Research Institute (BHEARI)	06-92	0	12-95	12-96	480,000	79,891	17	79,891	Performance/durability/aging tests on CFC free refrigerators conducted in 1994 and updated test report prepared in 95. Both external and local training activities being scheduled. Project completion rescheduled to end-1996.
CHINA CPR/FOA/10/TAS/37 Asia/Pacific	Strategy and action programme for the elimination of CFCs in the manufacture of foams	06-93	0	09-94	12-96	200,000	40,000	20	40,000	Subsector strategies being worked out for automotive trim, polystyrene, panels & spray foams. Attendance at international technical meeting in Oct95 followed by visits to foam plants. Project completion rescheduled to 12-96.
CHINA CPR/FOA/11/INV/54 Asia/Pacific	BCMF: Conversion to CFC-free technology in the manufacture of rigid PUF (spray) at Beijing Commercial Machinery Factory	11-93	30	12-94	06-96	435,000	375,000	86	375,000	Foam dispenser has been ordered. Awaiting machine measurements for appropriate truck to transport the mobile spraying machines. Project completion now targeted for 06-96.
CHINA CPR/FOA/13/INV/67 Asia/Pacific	YANGFENG conversion to non-CFC technology in the manufacture of flexible and integral skin PUF (demo)	Delet	0	00-00	00-00	0	0	###	0	Cancelled. With the agreement of the enterprise and the Government, project was cancelled at the 17th ExCom Meeting.
CHINA CPR/FOA/13/INV/73 Asia/Pacific	Elimination of CFC-12 in the manufacture of XPE foam sheets at Danshui Huaya Plastics Industries Co. Ltd.	07-94	160	12-95	12-95	241,000	241,000	100	241,000	Operationally Completed. CFC phaseout Completed. Certificate of completion signed by NEPA, UNOPS, UNDP and company in April 1995. Formal commissioning and signing of Hand-Over Protocol by all parties in 4Q95.
CHINA CPR/FOA/13/INV/74 Asia/Pacific	Elimination of CFC-11 in the manufacture of rigid PUF products at Tianjin PUF plastics plant (combined proj.)	07-94	100	03-97	03-97	914,500	0	0	0	Revised consolidated project was approved at the 17th ExCom Meeting in July 1995. A UNDP expert will visit the plant in early Nov95 to discuss implementation details.

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CHINA CPR/FOA/15/INV/87 Asia/Pacific	Shijiazhuang Plastic Cement General Factory: Elimination of CFC-12 in the manufacture of foam sheet	12-94	160	06-96	06-96	621,000	0	0	180,000	Project under group implementation with 12 other projects. UNOPS implementation visit in Aug95 discussed with NEPA and enterprise the scope of work & local contracting arrangements. Some equipment procured; delivery in March 96.
CHINA CPR/FOA/15/INV/88 Asia/Pacific	Suzhou Plastic Works No.7: Elimination of CFC-12 in the manufacture of PE foam tubing	12-94	70	06-96	06-96	384,350	0	0	63,000	Project under group implementation with 12 other projects. A UNOPS implementation visit in Aug95 discussed with NEPA & the enterprise the scope of work & local contracting arrangements. Some equipment procured; delivery in March 96.
CHINA CPR/FOA/15/INV/89 Asia/Pacific	Shenrong: Eliminate CFC-12 in the manufacture of XPS foam sheet	12-94	48	06-96	06-96	276,810	0	0	123,000	Project under group implementation with 12 other projects. A UNOPS implementation visit in Aug95 discussed with NEPA and enterprise the scope of work & local contracting arrangements. Procurement activities underway.
CHINA CPR/FOA/15/INV/90 Asia/Pacific	Feicheng Plastic Packaging Material Factory: Elimination of CFC-12 in the manufacture of XPS/XPE foam sheet	12-94	150	06-96	06-96	388,000	0	0	123,000	Project under group implementation with 12 other projects. A UNOPS implementation visit in Aug95 discussed with NEPA and enterprise the scope of work & local contracting arrangements. Procurement activities underway.
CHINA CPR/FOA/15/INV/91 Asia/Pacific	Guangxing Plastic Products Co. (Hubei): Eliminate CFC-12 in manufacture of XPS foam sheet	12-94	36	06-96	06-96	375,000	0	0	123,000	Project under group implementation with 12 other projects. A UNOPS implementation visit in Aug95 discussed with NEPA and the enterprise the scope of work & local contracting arrangements. Procurement activities underway.
CHINA CPR/FOA/15/INV/92 Asia/Pacific	Shenzhen Shentie: Eliminate CFC-12 in the manufacture of XPS foam sheet at Shenzhen Shentie Plastics Tableware Co.	12-94	75	06-96	06-96	345,000	0	0	123,000	Project under group implementation with 12 other projects. A UNOPS implementation visit in Aug95 discussed with NEPA and enterprise the scope of work & local contracting arrangements. Procurement activities underway.
CHINA CPR/FOA/15/INV/93 Asia/Pacific	Hebei Sixing Polypack Products Co.: Elimination of CFC-12 in the Manufacture of XPE netting	12-94	65	06-96	06-96	252,880	0	0	123,000	Project under group implementation with 12 other projects. A UNOPS implementation visit in Aug95 discussed with NEPA and enterprise the scope of work & local contracting arrangements. Procurement activities underway.

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CHINA CPR/FOA/15/INV/94 Asia/Pacific	Beijing Yanxi: Conversion to non-CFC technology in the manufacture of flexible PUF	12-94	25	06-96	06-96	93,750	0	0	0	Process expert recruited for formulations. Implementation visit scheduled for Nov95 to prepare specifications for equipment, local works and training. Project under group implementation with 3 other projects.
CHINA CPR/FOA/15/INV/95 Asia/Pacific	Faw Trim: Conversion to non-CFC technology in the manufacture of flexible PUF	12-94	28	06-96	06-96	143,000	0	0	0	Process expert recruited for formulations. Implementation visit scheduled for Nov95 to prepare specifications for equipment, local works and for training. Project under group implementation with 3 other projects.
CHINA CPR/FOA/15/INV/96 Asia/Pacific	Hubei Auto Engineering: Convert to non-CFC technology in the manufacture of integral skin PUF	12-94	20	06-96	06-96	150,000	0	0	0	Process expert recruited for formulations. Visit is scheduled in Nov95 to prepare specifications for equipment, local works and for training. Project under group implementation with 3 other projects.
CHINA CPR/FOA/15/INV/97 Asia/Pacific	Dalian No. 1: Conversion to CFC-free technology in the manufacture of flexible PUF (slabstock)	12-94	100	06-96	06-96	490,000	0	0	2,000	Chemicals for trials procured. Process expert recruited for formulations, will visit in Nov95 to prepare specifications for equipment, local works and to do training. Project is under group implementation with 3 other projects.
CHINA CPR/FOA/15/INV/98 Asia/Pacific	Jinfeng: Conversion to CFC-free technology in manufacture of extruded polystyrene foam sheet	12-94	70	06-96	06-96	235,340	0	0	63,000	UNDP expert visited plant and confirmed that conversion to butane technology Completed. However, serious safety hazards exist and immediate measures needed before plant can safely carry out normal production. Project ongoing
CHINA CPR/FOA/15/INV/99 Asia/Pacific	Jinan Plastics #4 Factory: Convert to CFC-free technology in the manufacture of extruded polystyrene foam sheet	12-94	30	06-96	06-96	337,000	0	0	123,000	Project under implementation with 12 other projects. A UNOPS implementation visit in Aug95 discussed with NEPA and the enterprise the scope of work & local contracting arrangements. Procurement activities underway.
CHINA CPR/FOA/15/INV100 Asia/Pacific	Guizhou Jinchang Plastics Products Co.: Elimination of CFC-12 in the manufacture of XPS foam sheet	12-94	50	06-96	06-96	273,000	0	0	63,000	Project under group implementation with 12 other projects. A UNOPS implementation visit in Aug95 discussed with NEPA and enterprise the scope of work & local contracting arrangements. Procurement activities underway

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CHINA CPR/FOA/15/INV101 Asia/Pacific	Hailun Plastic Packaging Material Factory: Elimination of CFC-12 in the manufacture of XPS/XPE foam sheet	12-94	95	06-96	06-95	321,000	0	0	180,000	Project under group implementation with 12 other projects. A UNOPS implementation visit in Aug95 discussed with NEPA and enterprise the scope of work & local contracting arrangements. Procurement activities underway.
CHINA CPR/FOA/15/INV102 Asia/Pacific	Shanghai Jianhua Electro-Mechanical and Chemical Co.: Elimination of CFC-12 in the Manufacture of XPE/XPS	12-94	100	06-96	06-96	280,000	0	0	180,000	Project under group implementation with 12 other projects. A UNOPS implementation visit in Aug95 discussed with NEPA and enterprise the scope of work & local contracting arrangements. Procurement activities underway.
CHINA CPR/FOA/15/INV103 Asia/Pacific	Foshan #3 Plastic Factory: Elimination of CFC-12 in the manufacture of XPS/XPE foam sheet	12-94	360	06-96	06-96	1,065,000	0	0	220,000	Project under group implementation with 12 other projects. A UNOPS implementation visit in Aug95 discussed with NEPA and enterprise the scope of work & local contracting arrangements. Procurement activities are underway.
CHINA CPR/FOA/17/INV125 Asia/Pacific	Cangzhou Foreign Trade Packaging Co. Elimination of CFC-12 in the manufacture of XPS foam sheets	07-95	75	12-96	12-96	450,800	0	0	0	NEPA and UNDP will discuss in late-Oct 95 the implementation modality, taking into account for safety and accountability factors.
CHINA CPR/FOA/17/INV126 Asia/Pacific	Handan No. 7: Eliminate CFCs in the manufacture of XPS/XPE foam sheet/netting	07-95	270	12-96	12-96	400,950	0	0	0	NEPA and UNDP will discuss in late-Oct 95 the implementation modality, taking into account safety and accountability factors.
CHINA CPR/FOA/17/INV127 Asia/Pacific	JIP Boutou: Eliminate CFCs in the manufacture of XPS/XPE foam sheets/netting	07-95	270	12-96	12-96	604,450	0	0	0	NEPA and UNDP will discuss in late-Oct 95 the implementation modality, taking into account safety and accountability factors.
CHINA CPR/FOA/17/INV134 Asia/Pacific	Daimel: Conversion to CFC-free technology in the manufacture of flexible PUF products	07-95	177	12-96	12-96	362,600	0	0	0	Project implementation arrangements to be discussed with NEPA in late-Oct 1995.

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CHINA CPR/FUM/12/TAS/60 Asia/Pacific	Survey of production and consumption of methyl bromide to facilitate planning of a future phaseout programme	03-94	0	06-95	12-95	87,000	0	0	15,015	Specifications for database system finalized and procurement being done by NEPA. Zhejiang Research Institute subcontracted. Preliminary survey completed and detailed survey and analysis to follow.
CHINA CPR/HAL/10/TAS/39 Asia/Pacific	Implementation of China halon phaseout plan: review, revision of national codes, and education & training	06-93	0	09-96	09-96	280,000	0	0	102,357	Circular banning non-essential uses of halons issued by NEPA/MPS. Training and educational activities for the new regulation being organized. Materials for local surveys are ready for publishing.
CHINA CPR/HAL/10/TAS/40 Asia/Pacific	Implementation of China halon phaseout plan: transfer of technology on alternatives to halon fire protection systems	06-93	0	12-96	12-96	300,000	0	0	96,000	For local procurement, NEPA signed a subcontract with TFRI. Procurement of alternative non-halon systems by UNOPS awaiting endorsement of Tianjin Fire Research Institute.
CHINA CPR/HAL/12/INV/58 Asia/Pacific	Acquisition of local air compressors for H-1211 recovery/recycling machines	03-94	0	12-96	12-96	155,000	116,552	75	116,552	Procurement of 127 air compressors for the H-1211 recovery/recycling machines Completed. Remaining funds will be utilized to purchase air compressors for additional machines.
CHINA CPR/REF/09/TAS/27 Asia/Pacific	Testing for applications of CFC substitute chemicals in the refrigeration sector in Southern China	03-93	0	03-94	12-95	100,000	80,000	80	80,000	Chemicals have been purchased and applications testing has started. Project activity completion by end-1995.
CHINA CPR/REF/10/TAS/38 Asia/Pacific	Revision of design standards for cold storage	06-93	0	09-95	12-96	200,000	0	0	0	NEPA is procuring the testing equipment needed. Test plans under review. Project completion rescheduled to 4Q96
CHINA CPR/REF/11/TAS/55 Asia/Pacific	Survey and development of a national policy to promote CFC recovery and recycling in China	11-93	0	03-95	06-96	100,000	4,800	5	4,800	A team of national consultants have been recruited and the local survey is being carried out. First disbursement made. Project completion now scheduled for 06-96

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CHINA CPR/REF/17/DEM131 Asia/Pacific	Demonstration project to reduce CFC used in refrigeration in large food stores	07-95	10	12-96	12-96	76,000	0	0	0	Specifications under preparation. Project will be implemented in close collaboration with USEPA.
CHINA CPR/REF/17/INV123 Asia/Pacific	Guangdong Kelon: Eliminate CFCs in the manufacture of domestic refrigerators	07-95	767	06-97	06-97	4,483,050	0	0	0	NEPA and UNDP will hold discussions in late Oct 95 on the implementation modality since the NEPA proposal for group project implementation covering different agency projects not feasible.
CHINA CPR/REF/17/INV124 Asia/Pacific	Changsa Zhongyi Group: Phaseout CFCs in the manufacture of domestic refrigerators	07-95	360	06-97	06-97	2,961,000	0	0	0	NEPA and UNDP will hold discussions in late-Oct 95 on the implementation modality since the NEPA proposal for group project implementation covering different agency projects is not feasible.
CHINA CPR/SEV/06/INS/11 Asia/Pacific	Institutional strengthening	03-93	0	06-96	06-96	450,000	191,400	43	191,400	Additional staff recruited to handle the expanded programme. Computer hardware installed. Major public awareness activities done on International Ozone Day. NEPA organizing Beijing Polyurethane Foam Conference, 8-11 Nov 95.
CHINA CPR/SEV/06/TAS/10 Asia/Pacific	Establishment of a quality control testing plant for using CFC-12 substitute technology in refrigeration	02-92	0	12-92	12-95	70,000	0	0	0	NEPA and UNDP will review the final refrigeration sector strategy and discuss in their late-Oct 1995 meeting which project activities will be done under this project.
CHINA CPR/SEV/09/TAS/29 Asia/Pacific	Survey and assessment of small CFC plants conversion possibilities	03-93	0	03-94	03-96	90,000	39,853	44	39,853	First phase of survey completed covering 60 sample plants in 16 provinces in the upper half of China. First seminar held in Shanghai 11-13 Sept 95 to discuss survey results. Survey report awaited.
CHINA CPR/SEV/11/TAS/56 Asia/Pacific	National product qualification and standards evaluation for non-ODS alternatives to CFC applications at SIOFM	11-93	0	03-95	12-96	362,500	35,900	10	35,900	Testing instruments under procurement by NEPA. Test plans and TOR for international consultant under review and discussion. Modification works in the lab to be completed end-95. Testing will commence 2Q96.

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CHINA CPR/SEV/17/PRP/128 Asia/Pacific	Project preparation assistance	07-95	0	06-96	06-96	100,000	0	0	0	At NEPA/MEI's request, UNDP solvent expert identified several projects in Aug95. 3 were submitted to the 18th Excom. 3 other ref. projects were also formulated and 2 submitted to ExCom. Disbursements not yet reflected.
CHINA CPR/SOL/07/DEM/20 Asia/Pacific	Dalian precision parts cleaning line demonstration project	06-92	30	12-94	09-96	495,000	340,000	69	340,000	Procurement being finalized; contaminated test parts had to be sent to bidders a second time since first cleaned batch was not received by Dalian. Equipment delivery expected in 2Q96. Completion rescheduled to 3Q96.
CHINA CPR/SOL/07/DEM/21 Asia/Pacific	Dandong electronic tuner aqueous cleaning line demonstration project	06-92	19	12-94	12-95	495,000	474,189	96	474,189	Equipment delivered to the plant in late Sept.95. Training & project commissioning scheduled for November 1995.
CHINA CPR/SOL/10/INV/35 Asia/Pacific	Elimination of CFCs in cleaning operations at Nanjing Wire Works (demonstration project)	06-93	9	12-95	12-96	409,000	0	0	0	NEPA and enterprise endorsed supplier list and bidding process initiated. Procurement to be completed by 2Q96 after testing of contaminated parts by bidders. Project completion rescheduled to 4Q96.
CHINA CPR/SOL/10/INV/36 Asia/Pacific	Elimination of CFCs in cleaning operations at the Chengdu Radio Instrument Factory (demon. project)	06-93	7	12-95	09-96	394,700	281,000	71	281,000	Procurement activities finalized. Equipment delivery targeted for 2Q96. Project completion rescheduled to 3Q96.
CHINA CPR/SOL/12/INV/57 Asia/Pacific	ODS-free cleaning equipment manufacturing center for phasing out ODS in the solvents sector across China.	03-94	0	06-96	06-96	524,734	0	0	0	Frozen. China solvents sector strategy presented at 17th ExCom meeting. Consequently NEPA requested immediate project start-up. Awaiting resolution of policy issues by ExCom and China at 18th ExCom meeting so project activities can start.
CHINA CPR/SOL/12/TAS/61 Asia/Pacific	Cleaning Applications Deployment Center for Replication of ODS-Free Processes across China.	03-94	0	06-95	09-96	489,400	0	0	0	Project start-up was significantly delayed due to ExCom policy issue. Equipment procurement activities now underway. No.46 Institute will implement the activity related to database development. Completion now targeted for 3Q96.

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COLOMBIA COL/FOA/13/INV/05 Lat.America/Car.	Elimination of the use of ODS in the polystyrene foams sector (2 companies)	07-94	320	12-95	12-96	1,072,000	615,455	57	615,455	For AJOVER, procurement action underway. Due to manufacturing processing time, commissioning of project is now scheduled for mid-1996. For MULTIDIMENSIONALES, discussions on procurement actions are ongoing.
COLOMBIA COL/REF/13/INV/04 Lat.America/Car.	Eliminate CFCs in manufacture of domestic refrigerators at 5 companies (Andinos, Corelsa, Haceb, Icasa and Polarix)	07-94	226	12-95	12-96	4,808,900	1,092,556	23	1,200,000	Work under ANDINOS subcontract (compressors) progressing well. For refrigerant part of project, equipment orders have been placed. For foam part, orders were placed for ICASA & CORELSA. Discussions taking place with POLARIX.
COLOMBIA COL/REF/15/INV/06 Lat.America/Car.	INDUCOL: Eliminate CFC-11/12 in manufacture of commercial refrigeration equipment at Industrias Colombia	12-94	16	06-96	06-96	381,548	100,000	26	100,000	On the refrigerant part, INDUCOL wants slightly different equipment from what was initially agreed. Discussions ongoing. For the foam part, bidding process finalized and bid analysis will take place in Nov95.
COLOMBIA COL/REF/15/INV/07 Lat.America/Car.	INDUFRIAL: Eliminate CFC-11/12 in manufacture of commercial refrigeration equipment at Industrias de Refrigeracion Comercial	12-94	30	06-96	06-96	442,644	100,000	23	168,000	Refrigerant related equipment will be delivered by Jan/Feb 1996. For foam part, bid analysis will be done in Nov 95, purchase order will be placed in Dec 95. Implementation visit will take place in Oct 95.
COLOMBIA COL/REF/15/INV/08 Lat.America/Car.	WONDER: Eliminate CFC-11/12 in manufacture of commercial refrigeration equipment at Industrias Wonder	12-94	7	06-96	06-96	251,315	160,000	64	160,000	For the refrigeration part, bid analysis done in 7/95 but company now wants slightly different equipment. Discussions underway. For the foam part, equipment specs and bidding finalized, purchase order could be placed in Dec 95.
COLOMBIA COL/REF/17/INV/11 Lat.America/Car.	Fromix S.A.: Eliminate CFC-11 and CFC-12 in manufacture of unitary com. refrigeration equipment	07-95	10	12-96	12-96	11,146	0	0	0	First implementation visit by refrigeration and foam consultants will take place in Oct 95.
COLOMBIA COL/REF/17/INV/12 Lat.America/Car.	INDUSTRIAS WESTELL LTD. Eliminate CFC-11 and CFC-12 in the manufacture of commercial refrigeration equipment	07-95	20	12-96	12-96	227,602	0	0	2,000	First implementation visit will take place in Oct 95.

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COLOMBIA COL/REF/17/TAS/10 Lat.America/Car.	Implementation of a national program for recovery and recycling of refrigerant	07-95	111	12-96	12-96	787,030	0	0	3,000	Discussion on project implementation modality underway. UNDP's recovery/recycling expert visited in 9/95 to initiate project activities and reformulate project to reflect ExCom budget reductions.
COLOMBIA COL/SEV/12/INS/02 Lat.America/Car.	Institutional strengthening	03-94	0	06-97	06-97	317,790	85,100	27	85,100	Ozone unit established and local staff recruited. Funds are being disbursed as per schedule. Ozone unit is coordinating national ODS phaseout effort, reviews all project proposals and supervises project implementation.
COLOMBIA COL/SEV/17/PRP/13 Lat.America/Car.	Project preparation assistance	07-95	0	12-96	12-96	30,000	13,000	43	13,000	UNDP consultants in refrigeration, foam and recovery/recycling of refrigerant are in process of visiting Colombia
COSTA RICA CSR/FOA/08/TRA/05 Lat.America/Car.	Seminar/Workshop in the foam sector	10-92	0	09-94	12-95	21,120	10,000	47	10,000	Despite efforts by UNDP to accelerate implementation, no Govt. action to date. By end-95, UNDP may either revise project with firm workplan, or close project and revert funds.
COSTA RICA CSR/REF/08/TRA/04 Lat.America/Car.	Conservation and training in the refrigeration sector	10-92	0	09-94	12-95	88,000	40,000	45	40,000	Same status as project CSR/FOA/08/TRA/05 above.
COSTA RICA CSR/SEV/08/INS/03 Lat.America/Car.	Institutional strengthening	10-92	0	12-95	12-96	213,160	139,705	66	139,705	Disbursements are being made to COGO on a trimestrial basis according to budget schedule. Project ongoing.
COSTA RICA CSR/SEV/08/TRA/07 Lat.America/Car.	Ad-hoc consultants for implementation of CP	10-92	0	12-95	12-95	50,000	30,437	61	30,437	Work on two project proposals, one in refrigeration manufacturing and another in recovery/recycling of refrigerant were completed and submitted for approval to the 17th ExCom. Both projects were deferred to 18th ExCom

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COSTA RICA CSR/SOL/08/TRA/06 Lat America/Car.	Seminar/Workshop in the solvents sector	10-92	0	06-94	12-95	21,120	10,000	47	10,000	Same status as project CSR/FOA/09/TRA/05.
CUBA CUB/REF/13/DEM/03 Lat America/Car.	Development of an ODS phaseout strategy in the refrigeration sector	07-94	0	12-95	03-97	30,000	18,800	63	18,800	UNDP's expert in Sept 95 visited several small-scale ref. companies. He also reviewed recovery/recycling needs and found that CFC-11 chillers which were not included in the ongoing project may need additional attention.
CUBA CUB/REF/15/TAS/04 Lat America/Car.	Implementation of a national programme for recovery and recycling of refrigerant	12-94	49	03-96	03-96	169,000	140,000	83	140,000	Recovery/recycling equipment will be shipped to Cuba end-Oct 95, visit by recovery/recycling consultant and organization of five national training workshops will take place in Nov/Dec 1995.
CUBA CUB/SEV/10/INS/02 Lat America/Car.	Institutional strengthening	06-93	0	09-96	09-96	172,000	76,000	44	76,000	The Ozone Office has been set up. Staff have been recruited. The Ozone Office is coordinating all aspects of national CP implementation. Funds are being disbursed according to budget schedule.
EGYPT EGY/FOA/09/INV/10 Africa	Elimination of CFC-12 in the manufacture of extruded polystyrene foam at Al-Sharif Plastic Factories	03-93	75	06-94	06-96	498,000	20,000	4	20,000	Specifications prepared in July 95. Awaiting comments from the company.
EGYPT EGY/FOA/10/INV/15 Africa	Elimination of CFC-11 in the manufacture of molded flexible PUF at Modern Building Carpentry Co. (MOBICA)	06-93	20	12-94	12-95	434,000	434,000	100	434,000	Few project startup and procurement difficulties. Cost of equipment alone exceeded total project budget. MOBICA will absorb all costs in excess of \$434,000. Equipment delivery expected end-Oct and completion by 12-95.
EGYPT EGY/FOA/10/INV/16 Africa	Elimination of CFC-11 in the manufacture of molded rigid PUF at Cairo Light Industries Co. (OLYMPIC ELECTRIC)	06-93	75	12-94	12-95	940,000	895,000	95	895,000	All equipment installed and production/safety training is currently underway. Project will eliminate 75 tonnes/annum of CFC-11. Project commissioning scheduled for mid-Nov 95.

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EGYPT EGY/FOA/11/INV/19 Africa	Conversion to CFC-11 free technology in the manufacture of flexible PUF at Dekhella Chemical Industries Corp.	11-93	130	09-94	12-95	650,000	550,000	85	550,000	Equipment has been installed. Project commissioning scheduled for mid-Nov 1995 will eliminate 130 tonnes of CFC-11. Final disbursement figures will only be available in 2Q96.
EGYPT EGY/FOA/11/INV/21 Africa	Conversion of CFC-11 free technology in manufacture of flexible PUF at Horse Foam Co.	11-93	120	12-94	09-95	385,000	295,034	77	295,034	Project almost operationally Completed. Project commissioning scheduled for mid-Nov 1995 will phaseout of 120 tonnes of CFC-11. Final disbursement figures available in 2Q96.
EGYPT EGY/FOA/12/INV/22 Africa	Conversion to CFC-free technology in the manufacture of flexible PUF in 2 companies	03-94	170	06-95	03-96	525,000	425,000	81	446,000	Ongoing. (A) Foam Industrial encountered some delays in the local works and commissioning should take place in mid-Nov95. (B) Hyma Co. project is progressing and commissioning should take place 4Q95 or 1Q96
EGYPT EGY/FOA/12/INV/26 Africa	Conversion to CFC-free technology in manufacture of rigid molded and miscellaneous PUF (5 plants)	03-94	44	06-95	06-96	870,000	340,000	39	705,344	All five projects (TIBA-AIR, EGAT, SOLAR ENERGY, ISMAILIA ALUMINIUM, FU TECH) now progressing well. project completion foreseen in mid-1996.
EGYPT EGY/FOA/15/INV/31 Africa	Conversion to CFC-free technology in the manufacture of flexible slabstock PUF at El-Tawil Manufacturing Company	12-94	36	03-96	03-96	121,000	0	0	0	Specifications for ventilating system equipment finalized in March 1995, procurement and contracting activities are now underway. Awaiting quotations for local works from the enterprise.
EGYPT EGY/FOA/15/INV/32 Africa	Conversion to CFC-free technology in the manufacturing of rigid PU foam in 7 plants.	12-94	69	03-96	09-96	780,000	0	0	0	Procurement activities expected to be completed by Dec95 or Jan96. Estimated project completion date rescheduled to 3Q96.
EGYPT EGY/HAL/12/TAS/23 Africa	Technical assistance to prepare a national halons action plan and project development	03-94	0	06-95	12-95	25,000	26,730	107	26,730	National halons strategy and 2 banking/recycling proposals prepared in June 95. These will be revised to reflect the halon banking guidelines to be adopted at the 18th ExCom and will then be submitted to the 19th ExCom.

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EGYPT EGY/REF/12/INV/21 Africa	Conversion to CFC-free technology in commercial refrigeration (5 enterprises)	03-94	225	09-95	12-96	2,100,000	685,000	33	1,077,076	Procurement activities for all five enterprises (SCIB, ICON, REFTRUCK, MISR PANEL, AL-FATEH) are underway. Completion rescheduled to 3Q96.
EGYPT EGY/REF/15/INV/34 Africa	Two Enterprises (MOG, ROYAL): Eliminate CFCs in manufacture of commercial refrigeration equipment	12-94	32	03-96	09-96	1,023,000	200,000	20	579,200	Procurement activities finalized. Disbursements are: MOG (\$264,800) and ROYAL (\$314,400). Completion now targeted for 3Q96.
ETHIOPIA ETH/SEV/17/PRP/02 Africa	Project preparation assistance	07-95	0	06-96	06-96	30,000	0	0	0	UNDP had scheduled visit by UNDP's recycling expert during early Oct 95. However, the Government informed UNDP that it is not yet ready to receive the expert.
GHANA GHA/FOA/12/INV/07 Africa	Umbrella project to continue CFC-free technology in the manufacture of flexible PUF at four enterprises	03-94	316	09-95	12-96	345,000	0	0	35,000	Generic drawings for ventilation equipment finalized. A local architectural firm is subcontracted to adapt the drawings to each company's needs. This should be finalized in Oct 95, and then local works will commence.
GHANA GHA/REF/08/TAS/04 Africa	Improved servicing and maintenance within the refrigeration sector	10-92	0	12-95	03-96	328,000	250,000	79	285,000	A series of 10 training workshops for local refrigeration technicians on improved practices being implemented by Govt. 8 have been completed, the remaining two should be completed by end-1995 or 1Q96.
GHANA GHA/SEV/08/INS/05 Africa	Institutional strengthening	10-92	0	12-95	06-96	160,000	118,000	74	118,000	An ozone unit has been created and national staff appointed. They are now directing and supervising implementation of the Ghana Country Programme.
GUATEMALA GUA/REF/15/INV/05 Lat America/Car.	IMCA: Eliminate CFC-11/12 in manufacture of commercial refrigeration equipment	12-94	4	06-96	06-96	155,017	73,000	47	73,000	For the refrigeration part, the bid analysis was carried out and results sent to IMCA for approval. For the foam part, agreement was reached on retroactive reimbursement of the activities undertaken.

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GUATEMALA GUA/REF/15/INV/06 Lat.America/Car.	REFRIGUA: Eliminate CFC-11/12 in manufacture of commercial refrigeration equipment	12-94	24	06-96	06-96	194,866	100,000	51	100,000	For the refrigeration part, purchase order was issued and the equipment is being shipped. For the foam part, agreement was reached on retroactive payment for activities already done by the company.
INDIA IND/FOA/12/INV/16 Asia/Pacific	Camphor & Allied Products Ltd.: Phaseout use of CFCs in the manufacture of extruded polyethylene foam sheet	03-94	120	06-95	12-95	280,000	0	0	0	Govt. has agreed to UNOPS execution modality. UNDP safety expert inspected the retrofitted plant and was satisfied with works Completed. Reimbursement will be made upon signature of the relevant documents.
INDIA IND/FOA/12/INV/17 Asia/Pacific	Sunpra Ltd.: Phaseout use of CFCs in the manufacture of rigid PUF panels	03-94	20	09-95	12-96	414,000	0	0	0	Govt. has agreed to UNOPS execution and project document being signed. Implementation visit to plant in Sept95. Equipment specifications finalized and procurement activities initiated. Project completion targeted for 4Q96.
INDIA IND/FOA/12/INV/18 Asia/Pacific	Eagle Flask Industries Ltd.: Phaseout use of CFCs in the manufacture of rigid PUF for thermoware	03-94	20	06-95	12-96	365,000	0	0	0	Govt. has agreed to UNOPS execution and project document now being signed. Implementation visit to plant in Sept 95. Equipment specifications finalized and procurement activities initiated. Project completion targeted for 4Q96.
INDIA IND/FOA/13/INV/27 Asia/Pacific	Bakelite Hylam Ltd.: Phaseout CFCs in the manufacture of phenolic foam and foam products	07-94	58	12-95	12-96	367,000	0	0	0	Govt. has agreed to UNOPS execution modality and project document being signed. Project will be implemented under turnkey contract with the equipment supplier. Project is now expected to be completed in 4Q96.
INDIA IND/FOA/13/INV/30 Asia/Pacific	U-Foam Private Ltd.: Phaseout CFC use in the manufacture of polyurethane foams	07-94	35	12-95	12-96	328,500	0	0	0	Govt. has finally agreed to UNOPS execution and project document being signed. Implementation visit to plant in Sept 95. Specifications finalized and equipment procurement is underway. Project completion targeted for 4Q96.
INDIA IND/FOA/13/TAS/29 Asia/Pacific	Strategy and action programme for the elimination of CFCs in the manufacture of foams	07-94	0	12-95	09-96	200,000	0	0	0	Project encountered startup delays. TOR for strategy work approved by sector expert in Aug95. Recruitment now underway. Completion now expected in 3Q96.

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INDIA IND/HAL/13/DEM/28 Asia/Pacific	Demonstration and evaluation of alternative technologies for halon fire protection systems and TA for sectoral ODS phaseout strategy	07-94	0	09-97	09-97	309,000	17,600	6	17,600	International procurement of halon-alternative fire fighting systems now underway. Test plan being developed; project progressing according to schedule.
INDIA IND/SEV/08/INS/02 Asia/Pacific	Institutional strengthening	10-92	0	03-96	03-96	430,600	166,970	39	166,970	Ongoing. The Ozone Cell is fully staffed and is coordinating implementation of the India CP, project formulation, approval, implementation and monitoring. Awaiting updated financial disbursement figures.
INDIA IND/SEV/11/TAS/11 Asia/Pacific	Survey of ODS use in small-scale and informal sectors, data base generation and ODS transition management planning	11-93	0	12-94	06-95	120,000	108,000	90	108,000	Operationally Completed. A total of 8,967 units were surveyed in all sectors. The final survey report was completed in late-May 1995. A summary description will be presented to the 18th ExCom meeting. Financial accounts open.
INDIA IND/SEV/12/PRP/19 Asia/Pacific	Project preparation assistance	03-94	0	06-95	12-95	100,000	54,726	55	54,726	During August/Sept 1995, a 2-expert team formulated several foam sector project proposals, 6 of which have been endorsed by the Govt. for presentation at the 18th ExCom Meeting.
INDONESIA IDS/SEV/10/INS/05 Asia/Pacific	Institutional strengthening	06-93	0	12-96	12-96	314,780	113,260	36	113,260	The Ozone Unit is operational. A training seminar was held on 13-14 July 95 and a national symposium on Ozone Layer Protection on 14 Sept.95. A project review was held in Sept. to review progress and future plans.
INDONESIA IDS/SEV/15/PRP/28 Asia/Pacific	Project preparation assistance in solvents, halons and the refrigeration sectors	12-94	0	12-95	03-96	100,000	37,127	37	37,127	Several projects in com. ref. were identified, 2 submitted to 17th ExCom (1 approved, 1 awaiting funding). Further activity pending results of enterprise surveys by UNDP experts. Most funds exhausted and full disbursement records awaited.
INDONESIA IDS/SOL/15/INV/25 Asia/Pacific	Eliminate TCA and CFC-113 use in the manufacture of metal and plastic motorcycle parts at PT-KGD Indonesia Inc.	12-94	4	06-96	06-96	88,000	0	0	0	Project document not yet signed. Enterprise now informs UNDP that conversion activity has been completed and a different technology has been adopted. UNDP seeking clarification from both enterprise and Govt.

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INDONESIA INS/FOA/17/INV/32 Asia/Pacific	FIBRINDO: Eliminate CFCs in the manufacture of rigid PUF for cold storage	07-95	11	06-96	06-96	55,000	0	0	0	Project document being signed. Project will be implemented in conjunction with the second project expected to be approved at the 18th Excom meeting.
IRAN IRA/SEV/08/INS/04 Asia/Pacific	Institutional strengthening	10-92	0	03-96	03-96	200,200	71,675	36	71,675	As per work plan submitted by the Government. Ozone Desk is managing implementation of the Iran CP including project review and approval, public awareness, project and programme monitoring, etc. Project may be extended within budget.
JAMAICA JAM/SEV/14/PRP/02 Lat.America/Car.	Project preparation assistance	09-94	0	12-95	06-96	30,000	20,100	67	20,100	Ongoing. A visit by UNDP's consultant in recovery/recycling of refrigerant resulted in a project being presented to the 18th ExCom Meeting.
KENYA KEN/SEV/09/INS/04 Africa	Institutional strengthening	03-93	0	12-96	12-96	175,000	70,550	40	70,550	Since startup, members of NACODS (through the Ozone Office) have been involved with formulation/approval of UNDP, UNEP and UNIDO projects. The Ozone Office is fully staffed and is fully operational.
MALAWI AFR/SEV/17/PRP/13 Africa	Project preparation assistance	07-95	0	06-96	06-96	12,500	4,963	40	4,963	A visit by the UNDP sector expert in refrigeration recycling during 29 Sept-4 Oct 95 has been scheduled to assist the Govt. in project formulation together with a national consultant in this field.
MALAYSIA MAL/ARS/12/TAS/30 Asia/Pacific	Aerosols safety and technical programme to aid manufacturers of aerosol products	03-94	0	06-96	06-96	145,700	63,040	43	63,040	A second technical and safety workshop, including safety audit visits to plants, is scheduled for 6-8 Nov. Conversion at about 25 small filling plants will be covered under 3 umbrella projects to be submitted to the 19th Excom meeting.
MALAYSIA MAL/ARS/17/INV/60 Asia/Pacific	MAYA CHEMICAL INDUSTRIES: Conversion to hydrocarbon technology in the manufacture of aerosol products	07-95	13	06-96	06-96	37,808	0	0	0	Project document being signed. The UNDP expert inspected the retrofitted plant and confirmed that all conversion activities have been successfully completed by the enterprise. Project will be officially commissioned in Nov. 95.

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MALAYSIA MAL/FOA/11/INV/16 Asia/Pacific	Elimination of CFC-11 in the manufacture of pre-Insulation pipe panel and slabstock PUF at Insafoam Insulation Company	11-93	17	12-94	12-95	310,000	310,000	100	310,000	Equipment has been installed and production trials are currently being carried out. Initial production difficulties encountered. Project completion now scheduled for Nov. 95.
MALAYSIA MAL/FOA/11/INV/21 Asia/Pacific	Eliminate CFC-12 in manufacture of extruded polystyrene and polyethylene foam sheet at Associated Air-Pack Industries	11-93	50	12-94	03-96	234,000	224,100	96	254,900	Equipment delivered in Aug 95. Work on gas storage and ventilation system progressing. UNDP expert will visit in Nov 95 to supervise extruder retrofitting works when commissioning of the gas storage & piping system is Completed.
MALAYSIA MAL/FOA/12/INV/22 Asia/Pacific	Cycle World elimination of CFCs in the manufacture of the polyurethane insulated panels	03-94	45	06-95	03-96	353,000	353,000	100	353,000	Procurement activities finalized. Project completion and commissioning now targeted for 1Q96
MALAYSIA MAL/FOA/12/INV/23 Asia/Pacific	Pulai Lamipak Industries: Elimination of CFC-12 in the manufacture of extruded polyethylene foam sheet	03-94	50	06-95	03-96	355,000	355,000	100	355,000	Delivery of safety equipment expected in Oct 95. Local works (gas storage, piping and ventilation) progressing well. Expert will visit in Nov95 to supervise extruder retrofitting when the gas storage & piping works are Completed.
MALAYSIA MAL/FOA/12/INV/25 Asia/Pacific	P.U. Mate: Elimination of CFCs in the manufacture of Integral skin PUF	03-94	10	06-95	12-95	113,000	113,000	100	113,000	Project implemented by the enterprise under the reimbursement modality. Equipment delivery expected in Oct95. Project completion targeted for end-1995.
MALAYSIA MAL/FOA/12/INV/33 Asia/Pacific	Phaseout use of CFCs in the manufacture of flexible polyurethane foam (slabstock) at small-scale producers	03-94	80	09-95	06-96	1,045,000	92,500	9	92,500	A training video has been completed and will be distributed 49 plants identified in survey; funding originally intended for only 30 plants and may be insufficient.
MALAYSIA MAL/FOA/13/INV/34 Asia/Pacific	Allied Foam Insulation: Elimination of CFC-11 in the manufacture of cold cure molded PUF	07-94	25	12-95	03-96	276,000	0	0	215,000	Some project startup difficulties encountered. Equipment delivery expected in Oct95. Project completion scheduled for 1Q96.

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MALAYSIA MAL/FOA/13/INV/38 Asia/Pacific	Wong Brothers Electrical and Refrigeration: Elimination of CFC-11 in manufacture of rigid PUF panels for cold storage	07-94	35	12-95	03-96	299,000	0	0	0	Project being implemented by the enterprise under the reimbursement modality. Equipment delivery expected in 4Q95. Project should be completed in 1Q96.
MALAYSIA MAL/FOA/13/INV/39 Asia/Pacific	Eversoft Foam Industries: Elimination of CFC-11 in the manufacture of cold cure molded flexible PUF	07-94	30	12-95	03-96	185,000	0	0	138,000	Equipment delivery expected in 4Q95. Project should be completed in 1Q96.
MALAYSIA MAL/FOA/13/INV/40 Asia/Pacific	Nian Aik Foam: Elimination of CFC-11 in the manufacture of cold cure molded flexible PUF	07-94	30	12-95	03-96	245,000	0	0	115,000	Equipment delivery expected by end-1995. Project completion rescheduled for 1Q96.
MALAYSIA MAL/FOA/13/INV/41 Asia/Pacific	Pangkat Refrigeration Industries: Elimination of CFC-11 in the manufacture of commercial refrigerators	07-94	20	12-95	03-96	210,000	0	0	210,000	Equipment delivery expected in Jan 1996. Project completion rescheduled for Mar 96.
MALAYSIA MAL/FOA/15/INV/45 Asia/Pacific	Shaga Cooling Technology: Phaseout use of CFCs in the manufacture of rigid PU panels	12-94	24	03-96	03-96	190,000	0	0	176,000	Equipment delivery expected by Jan 96. Project completion rescheduled for Mar 96.
MALAYSIA MAL/FOA/15/INV/46 Asia/Pacific	Saferay: Phaseout CFCs in the manufacture of rigid foam for use as imitation wood	12-94	11	03-96	03-96	245,000	0	0	210,000	Equipment delivery expected by Jan 96. Project completion rescheduled for Mar 96.
MALAYSIA MAL/FOA/15/INV/47 Asia/Pacific	Ricwil: Phaseout CFC-11 in the manufacture of pipe insulation	12-94	25	03-96	03-96	118,000	0	0	0	Project being implemented under the reimbursement modality. Equipment to arrive at plant end Oct 95. Project completion scheduled for 1Q96.

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MALAYSIA MAL/FOA/15/INV/48 Asia/Pacific	Dream Product: Elimination of CFCs in the manufacture of moulded and flexible PU foams	12-94	15	03-96	03-96	66,500	0	0	0	Project being implemented under reimbursement modality UNDP expert visited the plant and provided advice on cold-cure molding formulations. Local works on ventilation system for the slabstock line underway. Project on schedule.
MALAYSIA MAL/FOA/15/INV/49 Asia/Pacific	Rigid Foam Industries: Phaseout CFCs in manufacture of rigid foam panels	12-94	19	03-96	03-96	335,000	335,000	100	335,000	Equipment delivery expected in early 1996. Project completion scheduled for 1Q96.
MALAYSIA MAL/FOA/15/INV/50 Asia/Pacific	Leading Refrigeration & Eng.: Eliminate CFCs in manufacture of rigid foam panels & shipyard insulation works	12-94	10	03-96	03-96	214,000	0	0	0	Ongoing. Project being implemented under the reimbursement modality. Equipment to arrive at site by end 1995 with project commissioning in 1Q96.
MALAYSIA MAL/FOA/17/INV/61 Asia/Pacific	URETHANE TECHNOLOGIES SDN BHD: Eliminate CFCs in manufacture of cold cure PUF molded products	07-95	35	06-96	06-96	199,000	0	0	0	Project document being signed. Equipment specifications to be prepared during the Nov95 implementation visit by UNDP expert.
MALAYSIA MAL/REF/04/TRA/01 Asia/Pacific	Training in MAC sector	06-91	0	12-92	12-95	50,000	30,000	60	30,000	A national MAC workshop was conducted in April 95 and the proceedings prepared for dissemination. Technology assessment visits to USA currently being arranged.
MALAYSIA MAL/REF/12/INV/29 Asia/Pacific	Eliminate CFC-11 and CFC-12 in the manufacture of home refrigerators at Sharp-Roxy	03-94	65	06-96	06-96	962,000	962,000	100	962,000	The switch to R-134a refrigerant Completed. Technical visits by UNDP experts scheduled for Nov95 to confirm this and to inspect the cyclopentane machine and related safety installations. Some safety issues still to be resolved.
MALAYSIA MAL/REF/13/INV/36 Asia/Pacific	Lian Pang: Eliminate CFCs in the manufacture of commercial refrigerator products	07-94	10	12-95	03-96	201,100	0	0	125,000	Equipment specifications finalized and procurement activities initiated. Awaiting company's concurrence with bid analysis report. Project completion now targeted for 1Q96.

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MALAYSIA MAL/REF/13/INV/37 Asia/Pacific	United: Eliminate CFCs in commercial refrigeration products	07-94	71	12-95	12-96	351,200	0	0	310,000	Equipment specifications finalized and procurement activities initiated. Still awaiting enterprise's concurrence on bid analysis. Completion now targeted for 4Q96.
MALAYSIA MAL/REF/13/INV/42 Asia/Pacific	OYL Appliances: Elimination of CFC-11 and CFC-12 in the manufacture of refrigerators	07-94	22	12-96	12-96	625,100	170,000	27	405,000	Design for building modifications approved by UNDP expert. Equipment delivery expected early 96. Recipient company requested different payment modality and payment terms now being finalized.
MALAYSIA MAL/SEV/09/INS/08 Asia/Pacific	Institutional strengthening	03-93	0	09-96	09-96	322,520	115,920	36	115,920	The Ozone Office is fully operational and is actively coordinating and supervising the national ODS phaseout programme. Two additional ozone officers have been recruited.
MALAYSIA MAL/SEV/15/PRP/52 Asia/Pacific	Project preparation assistance	12-94	0	12-95	12-95	100,000	80,000	80	80,000	Of the several projects formulated, at the 17th ExCom Meeting, 1 was approved, several cleared for approval and others will be reconsidered at the 18th ExCom.
MALAYSIA MAL/SOL/12/INV/28 Asia/Pacific	Eliminate CFC-113 use in the integrated circuit lead frame cleaning processes at San Matech	03-94	0	--	--	0	0	###	0	Cancelled. With the agreement of the enterprise and the Govt., this project was cancelled at the 17th ExCom Meeting and funds returned.
MAURITIUS MAR/ARS/12/INV/03 Africa	Compagnie manufacturiere de produits cosmetiques Itée (COMANU)	03-94	25	06-95	12-95	62,150	0	0	0	All activities Completed. Government requested some changes in the legal terms of the project Hand-Over Protocol. Project will be commissioned in Nov. 1995.
MAURITIUS MAR/REF/15/INV/05 Asia/Pacific	Blybridge: Eliminate CFC-11 and CFC-12 in the manufacture of domestic refrigerators	12-94	2	06-96	06-96	197,208	0	0	0	Project document signed. Procurement activities underway. Project on schedule.

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MAURITIUS MAR/REF/15/INV/06 Asia/Pacific	Bahemia: Eliminate CFC-11 and CFC-12 in the manufacture of domestic refrigerators	12-94	3	06-96	06-96	213,500	0	0	0	Project document signed and procurement activities underway. Project on schedule.
MAURITIUS MAR/REF/17/TAS/07 Africa	National CFC-12 recovery and recycling programme and demonstration of retrofit technology in com. refrig.	07-95	8	12-96	12-96	176,350	0	0	0	Ongoing. Specifications being finalized and implementation arrangements being discussed with the government authority.
MEXICO MEX/REF/15/INV/19 Lat America/Car.	Elimination of CFCs in the manufacture of domestic refrigerators at MABE Group	12-94	391	03-96	12-96	4,495,689	0	0	1,900,000	UNOPS made implementation visits in Jul/Aug 95. For ASTRAL and ENRESA, equipment procurement/local works are underway with a end-96 completion date. As for COMASA compressors, activities will be finalized by end-95.
MEXICO MEX/REF/15/INV/20 Lat America/Car.	Eliminate CFCs in manufacture of domestic refrigerators at the VITRO Group	12-94	415	06-96	12-96	3,639,826	0	0	322,000	UNOPS made implementation visits in Jul/Aug 95. For SUPERMATIC and ERNA, procurement/local works are underway. As for FACOSA compressors, decision by ExCom is needed to determine company eligibility since it was purchased by DANFOSS.
MEXICO MEX/SEV/14/PRP/18 Lat America/Car.	Project preparation assistance	09-94	0	12-95	12-95	100,000	96,416	96	96,416	Work is continuing in the foam/halons sectors. A national consultant and UNDP's sector expert formulated 3 new foam projects submitted to the 18th ExCom. A halon banking proposal is being prepared.
MEXICO MEX/SEV/17/INS/36 Lat America/Car.	Institutional Strengthening Project (Phase 2)	07-95	0	06-96	06-96	47,500	0	0	0	Project approved in July 95. Project will be nationally executed. Signature of project document scheduled for Oct 95.
MEXICO MEX/SEV/17/PRP/35 Lat America/Car.	Project preparation assistance	07-95	0	12-96	12-96	40,000	0	0	0	Project approved in July 95. Project will follow up on activities of MEX/SEV/14/PRP/18

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MEXICO MEX/SOL/15/INV/21 Lat.America/Car.	Elimination of TCA from precision cleaning processes at Lucas Diesel	12-94	3	12-95	06-96	168,000	0	0	0	Contract being issued for the company to carry out procurement and local local works. Guidance being provided by UNDP's solvent expert. Reimbursement of costs at project completion in mid-1996.
MEXICO MEX/SOL/15/INV/22 Lat.America/Car.	Elimination of CFC 113 from the textile cleaning processes at Procesadora y Revitalizadora	12-94	3	12-95	06-96	71,337	0	0	50,000	UNOPS is procuring the equipment (purchase order being issued in Oct 95). Project to be completed by mid-1996.
NIGERIA NIR/SEV/09/INS/04 Africa	Institutional strengthening	03-93	0	09-96	09-96	300,000	111,174	37	111,174	Ozone unit has been created and national staff appointed. The ozone unit has geared up to complete the CP and start project identification.
NIGERIA NIR/SEV/17/PRP/08 Africa	Project preparation assistance	07-95	0	09-96	09-96	50,000	0	0	0	Efforts to identify a national consultant have started and a project formulation visit is scheduled for Dec 95 or Jan 96.
PAKISTAN PAK/SEV/14/INS/05 Asia/Pacific	Institutional strengthening	09-94	0	12-97	12-97	259,000	0	0	0	Project document signed on 11 Jan 95 and a detailed workplan has been prepared. Recruitment of ozone unit staff is underway.
PANAMA PAN/FOA/13/INV/05 Lat.America/Car.	Elimination of CFC-11 in the manufacture of flexible and rigid PUF in Plastifoam, Profomsa and Thermofoam	07-94	26	12-95	12-96	155,000	40,000	26	40,000	Visit by a foam consultant was organized by UNOPS in 9/95. THERMOFOAM's equipment will be purchased by end-95. PROFOMSA is obtaining quotes for local work and discussions are under way with PLASTIFOAM (new management team).
PERU PER/FOA/17/INV/09 Lat.America/Car.	Elimination of CFC-12 in the production of polystyrene foam at PROMOLA (Productos Moldeados America S.R. LTDA)	07-95	40	12-96	12-96	294,960	0	0	0	Translation of project document and signature being obtained. First implementation visit scheduled towards end-95. PROMOLA was purchased by PAMOLSA, a 100% Article-5 owned company.

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PERU PER/REF/15/INV/03 Lat.America/Car.	Eliminate CFC-11/12 in the manufacture of domestic refrigerators at Industrias Alfa	12-94	7	06-96	12-96	252,727	50,000	20	50,000	For the refrigeration part, the purchase order has been issued and equipment should arrive in Jan/Feb 96. As for the foam part, technical issues remain unresolved and are presently being looked at by UNOPS.
PERU PER/REF/15/INV/04 Lat.America/Car.	Eliminate CFC-11/12 in the manufacture of domestic refrigerators at ANDINA Industrial	12-94	5	06-96	12-96	229,816	50,000	22	130,000	For the refrigeration part, purchase order was issued and equipment should arrive in Jan/Feb 96. For the foam part, the bid analysis is ongoing and the purchase order should be placed in Dec95.
PERU PER/REF/15/INV/05 Lat.America/Car.	Eliminate CFC-11/12 in the manufacture of domestic refrigerators at COLDEX	12-94	67	06-96	12-96	748,966	50,000	7	350,000	For the refrigeration part, the purchase order was issued and the equipment should arrive in Jan/Feb 96. For the foam part, the bid analysis is ongoing and the purchase order should be placed in Dec95.
PERU PER/REF/15/INV/06 Lat.America/Car.	Eliminate CFC-11/12 in the manufacture of domestic refrigerators at Industrias Lenche (INLENSA)	12-94	6	06-96	12-96	201,443	0	0	0	UNDP found out that operations related to the refrigeration equipment may have stopped at this company. This is being investigated by UNDP's consultant who will visit Peru in Oct95.
PERU PER/REF/15/INV/07 Lat.America/Car.	Eliminate CFC-11/12 in the manufacture of domestic refrigerators at Industrias Reunidas (INRESA)	12-94	17	06-96	12-96	267,641	50,000	19	162,000	Regarding the refrigeration part, bid analysis was sent to company in Aug 95, and a reply is awaited. A visit in Oct 95 by the UNDP consultant will resolve this issue. As for the foam part, bid analysis is underway.
PERU PER/REF/15/INV/08 Lat.America/Car.	Eliminate CFC-11/12 in the manufacture of domestic refrigerators at Industrial Selva (INDUSEL)	12-94	35	06-96	12-96	412,098	0	0	156,500	For the refrigeration part, purchase orders were issued and equipment should arrive in Jan/Feb 96. For the foam part, bid analysis is being done and the purchase order should be issued in Dec95.
PHILIPPINES PHI/FOA/12/INV/23 Asia/Pacific	Elimination of the residual use of CFCs in the manufacture of extruded polystyrene foam sheet (three companies)	03-94	24	06-95	06-96	505,000	280,000	55	440,000	International procurement is in the bid analysis stage. Purchase order scheduled for Oct95. UNOPS will contract recipient companies for local works. Delay due to limited local suppliers. Expected completion date 2Q96.

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PHILIPPINES PHI/FOA/12/INV/24 Asia/Pacific	Nikon Industrial Corporation: Phaseout use of CFCs in the manufacture of rigid PUF for thermoware.	03-94	15	06-95	12-95	315,000	155,000	49	155,000	Operationally Completed. The project was commissioned on 6 Sept. 1995. Incremental operating cost will be paid upon receipt of certified invoices for test trials performed. Awaiting full record of financial disbursements.
PHILIPPINES PHI/FOA/12/INV/26 Asia/Pacific	Technical assistance programme for the elimination of CFC use at small manufacturers of flexible foam	03-94	35	06-95	06-96	745,000	80,000	11	130,000	As a result of the UNDP foam sector expert mid-July 95 visit, equipment component was respecified for compatibility with all flexible foamers covered under the project. Expected date of completion is 2Q96.
PHILIPPINES PHI/FOA/13/INV/27 Asia/Pacific	Foamcraft: Phaseout of CFCs in the manufacture of flexible PUFs (slabstock)	07-94	90	12-95	09-96	185,000	0	0	55,000	The company has finally decided to proceed with its conversion as outlined in the original project document. The equipment items are now being procured and the expected completion date is 3Q96.
PHILIPPINES PHI/FOA/13/INV/28 Asia/Pacific	Metal Forming Corp: Phaseout CFCs in the manufacture of polyurethane insulated building elements	07-94	50	09-95	06-96	305,000	114,000	37	135,000	International Procurement in its final stage. The first phase of the project is expected to be completed by 2Q96.
PHILIPPINES PHI/FOA/13/INV/30 Asia/Pacific	Elimination of the residual use of CFCs in the manufacture of extruded polystyrene foam sheets - Styrotech	07-94	25	06-95	06-96	60,000	0	0	0	This project will be implemented together with the umbrella project for XPS foam sheet manufacturers and therefore has the same work programme and schedule of activities as XPS.
PHILIPPINES PHI/FOA/17/INV/35 Asia/Pacific	MANDAUE: Residual phaseout of CFCs in the manufacture of flexible polyurethane foam (slabstock)	07-95	228	12-96	12-96	217,000	0	0	0	Newly approved project. Project Document prepared for signature of the Government.
PHILIPPINES PHI/REF/13/INV/29 Asia/Pacific	Unimagma: Phaseout use of CFCs in the manufacture of commercial refrigerators and ice boxes	07-94	30	12-95	06-96	1,015,700	551,778	64	800,000	International procurement done for both refrigeration and foam equipment. Refrigeration equipment delivered and will be installed by the supplier by end Oct 95. Foam equipment will be delivered in Dec95. Local works being implemented.

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PHILIPPINES PHI/SEV/11/TAS/20 Asia/Pacific	Survey of ODS usage, data base generation and TA for ODS phaseout for small scale enterprises using ODS	11-93	0	12-94	06-96	100,000	43,750	44	51,000	Phase 2 now in process. Expected completion date is 2096.
PHILIPPINES PHI/SEV/15/PRP/31 Asia/Pacific	Project preparation assistance	12-94	0	03-96	03-96	50,000	31,025	62	31,025	Additional foam project submitted to the 18th ExCom. Several projects (solvents and refrigeration) need reformulation and will be submitted in future meetings. Refrigeration workshop scheduled for 1Q96 covering small scale commercial ref.
SRI LANKA SRL/REF/17/INV/04 Asia/Pacific	Eliminate CFC-11 and CFC-12 in the manufacture of domestic refrigerators at ASSOCIATED ELECTRICAL CORPORATION (AEC)	07-95	7	06-97	06-97	250,114	0	0	0	Project document signed by government and equipment specifications reviewed and approved by enterprise. Awaiting bids.
SRI LANKA SRL/REF/17/INV/05 Asia/Pacific	Eliminate CFC-11 and CFC-12 in the manufacture of domestic refrigerators at GLACIO Ltd.	07-95	7	06-97	06-97	239,500	0	0	0	Project document signed by government and equipment specifications reviewed and approved by enterprise. Awaiting bids.
SRI LANKA SRL/REF/17/INV/06 Asia/Pacific	Eliminate CFC-11 and CFC-12 in the manufacture of domestic refrigerators at REGNIS (LANKA) Ltd.	07-95	6	06-97	06-97	284,324	0	0	0	Project document signed by government and equipment specifications reviewed and approved by enterprise. Awaiting bids.
SRI LANKA SRL/SEV/12/INS/02 Asia/Pacific	Institutional strengthening	03-94	0	06-97	06-97	154,680	59,040	38	59,040	Govt published Gazette Notification announcing dates for ODS phaseout and customs regulations for ODS. A License scheme for ODS imports is almost Completed. Over 700 registered ref. workshops surveyed. Analysis report expected by end Oct95
SRI LANKA SRL/SEV/14/PRP/03 Asia/Pacific	Project preparation assistance	09-94	0	12-95	12-95	30,000	22,000	73	22,000	3 projects to assist 3 dom. ref. manufacturers were approved in July 1995. A project was formulated in Aug 95 to phaseout CFC use at the only CFC aerosol plant. A visit is scheduled for Dec.95 to prepare a recycling programme.

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TANZANIA TAN/SEV/17/PRP/04 Africa	Project preparation assistance	07-95	0	09-96	09-96	47,000	3,995	9	3,995	A visit by the UNDP expert in refrigeration recycling has been scheduled for 11-14 Oct 95. A national consultant has been identified to work with the international consultant.
THAILAND THA/ARS/15/TAS/38 Asia/Pacific	Safety and technical assistance programme to manufacturers of aerosol products	12-94	0	03-96	03-96	127,000	0	0	0	A safety training seminar is being planned for January 1996. Recruitment of a suitable national aerosol expert still awaited. Implementation arrangements being discussed to expedite project activities. Disbursements not yet recorded.
THAILAND THA/ARS/17/INV/44 Asia/Pacific	Conversion to CFC-free technology in the manufacture of aerosol products at Sanit & Sons Co. Ltd.	07-95	194	12-96	12-96	582,100	0	0	0	Project document being signed. Equipment specifications approved by enterprise and bids are currently awaited. A formulation specialist will visit in early Nov. to assist aerosol plants with formulations problems.
THAILAND THA/ARS/17/INV/45 Asia/Pacific	Conversion to CFC-free technology in the manufacture of aerosol products at Packserv Co. Ltd.	07-95	155	06-96	06-96	474,705	0	0	0	Project document being signed. UNDP expert visited the plant in Aug. 95 and confirmed all technology conversion Completed. Expert visit in early Nov. scheduled to provide technical assistance in formulations and for safety training.
THAILAND THA/FOA/12/INV/25 Asia/Pacific	Elimination of the use of CFCs in manufacture of polystyrene foam sheet in Thailand (Phase 1: Two companies)	03-94	100	06-95	03-95	455,000	364,000	80	433,267	Operationally Completed. Final payments have to be made.
THAILAND THA/FOA/12/INV/26 Asia/Pacific	Henger Panel: Eliminate use of CFCs in manufacture of laminated rigid PUF insulation panels.	03-94	15	06-95	09-96	257,500	210,000	82	210,000	Some difficulties were encountered during the bid analysis/acceptance stage. Equipment delivery now expected in 2Q96. Project completion now targeted for 3Q96.
THAILAND THA/FOA/12/INV/27 Asia/Pacific	Mic-Cell Co. Ltd.: Elimination of CFC-12 and CFC-114 used in extruded polyethylene foam sheet	03-94	44	06-95	06-96	339,500	139,300	41	301,100	Local works on ventilation and gas storage/piping systems progressing. Delivery of imported safety equipment expected by end-95. A UNOPS implementation visit is scheduled for Nov95 to review progress. Completion in 2Q96.

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THAILAND THA/FOA/12/INV/29 Asia/Pacific	Modular Compound: Eliminate use of CFCs in manufacture of laminated rigid PUF insulation panels	03-94	30	06-95	09-96	508,000	355,000	70	405,000	Some difficulties were encountered during the bid analysis/ acceptance stage. Equipment delivery now expected in 2Q96. Project completion now targeted for 3Q96.
THAILAND THA/FOA/13/INV/30 Asia/Pacific	Lucky Group: Elimination of the use of CFCs in the manufacture of flexible PUF (slabstock)	07-94	187	12-95	12-96	605,000	0	0	0	Project encountered startup difficulties and some physical plant layout problems have been identified. A UNOPS implementation visit in Oct95 will discuss alternatives and implementation arrangements. Significant delays seen.
THAILAND THA/FOA/13/INV/31 Asia/Pacific	Ponsri: Elimination of CFC use in the manufacture of extruded polystyrene foam sheets	07-94	100	12-95	12-95	340,000	0	0	0	Project being implemented under reimbursement modality. UNDP process expert Feb/May 95 visits reported project activities were on schedule. A UNOPS implementation visit in Oct95 will review progress with possible completion in Dec95.
THAILAND THA/FOA/15/INV/35 Asia/Pacific	Thai Union: Eliminate CFC use in manufacture of flexible PUF cold cured mouldings, integral skin mouldings and rigid PUF	12-94	45	03-96	09-96	525,000	0	0	0	Equipment specifications awaiting endorsement by enterprise. Project slightly behind schedule and completion rescheduled to 3Q96.
THAILAND THA/FOA/15/INV/36 Asia/Pacific	Somboon Paisarn: Eliminate CFC use in manufacture of flexible PUF slabstock and cold cured mouldings	12-94	100	03-96	09-96	225,000	0	0	0	Equipment specifications awaiting endorsement by enterprise. Project slightly behind schedule. Project completion rescheduled to 3Q96.
THAILAND THA/FOA/15/INV/37 Asia/Pacific	Karn Yang: Eliminate CFC use in manufacture of flexible PUF slabstock	12-94	110	03-96	09-96	170,000	0	0	0	Equipment specifications awaiting endorsement by enterprise. A UNOPS implementation visit will discuss project progress with enterprise. Project completion by 3Q96.
THAILAND THA/REF/13/INV/33 Asia/Pacific	Sanden: Eliminate CFC use in the manufacture of commercial refrigerators	07-94	30	12-95	09-96	533,800	390,482	73	390,482	Equipment delivery revised to 1Q96 and project completion now targeted for 3Q96.

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THAILAND THA/SEV/09/INS/08 Asia/Pacific	Institutional strengthening of the Ozone Layer Protection Unit	03-93	0	06-96	06-96	400,000	143,000	36	143,000	Ozone Unit created. Professional and support staff have been recruited. Unit is actively engaged in the implementation of the CP and monitoring of ODS phaseout activities
THAILAND THA/SEV/15/PRP/39 Asia/Pacific	Project preparation assistance	12-94	0	03-96	03-96	100,000	43,801	44	43,801	2 aerosol projects approved at 17th ExCom. and several aerosol projects were identified. UNDP expert will finalize a umbrella programme for small enterprises in the com. ref sector in Oct 95. Not all disbursements recorded to date
UGANDA AFR/SEV/17/PRP/13 Africa	Project preparation assistance	07-95	0	06-96	06-96	12,500	4,238	34	4,238	UNDP project identification/formulation visit by the sector expert in refrigeration recycling arranged during 15-20 Oct95.
URUGUAY URU/FOA/13/INV/06 Lat.America/Car.	Conversion to CFC-free technology in the manufacture of rigid PUF (spray) at seven enterprises	07-94	71	12-95	12-95	665,000	457,000	69	665,000	UNDP foam sector expert visited in 9/95 and returns 12/95 for completion/handover protocol. All equipment received. National Workshop held where some spray foamers from Brazil/Argentina participated.
URUGUAY URU/FOA/13/INV/09 Lat.America/Car.	Conversion to CFC-free technology in the manufacture of flexible PUF at 5 plants	07-94	17	12-95	12-96	200,000	35,000	18	35,000	For DIVINO, final decision on technology will be decided 12/95 during next visit of the foam expert. POLYFLEX carried out the test trials. For the other 3 companies, project revision is now being processed to reflect changes.
URUGUAY URU/REF/12/TAS/04 Lat.America/Car.	TA for refrigerant conservation and demonstration programme: recovery & recycling of CFC-12	03-94	22	06-96	06-96	175,000	138,500	79	138,500	Recovery/recycling equipment arrived and will be distributed to recycling centers with whom subcontracts were established. Recovery/recycling operations will start end Oct 95. Rest of funds go for quality control equipment.
URUGUAY URU/SEV/10/INS/03 Lat.America/Car.	Institutional strengthening	06-93	0	09-96	09-96	173,800	133,000	77	133,000	Ozone unit is fully staffed and actively coordinating the national ODS phaseout effort including project preparation and investment activities by implementing agencies. Phase 2 will be requested by Govt. at the 19th ExCom

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VENEZUELA VEN/REF/09/TAS/12 Lat America/Car.	Pilot programme in recovery and recycling of CFC-12 in domestic refrigeration	03-93	8	06-94	03-96	100,000	100,000	100	100,000	Subcontract with MADOSA signed and recovery/recycling equipment received. Quarterly reports will be issued about progress made and amounts of CFCs being recycled (first report due Oct 95). Final report will be issued in March 1996.
VENEZUELA VEN/REF/15/TAS/22 Lat America/Car.	Pilot project for recovery and recycling of CFC-12 in MAC's (phase 2)	12-94	75	03-96	03-96	220,000	200,500	91	200,500	Subcontract to organize the workshop was established, and recovery/recycling equipment received. 5 training workshops took place in 7/95 where 85 technicians were trained and 34 recovery machines distributed.
VENEZUELA VEN/REF/17/INV/32 Lat America/Car.	Eliminate CFC-11 and CFC-12 in the manufacture of commercial refrigeration equipment at NUTAL	07-95	15	03-97	03-97	123,623	0	0	0	First implementation visit by UNDP refrigeration and foam consultants will take place in Oct 95. Specs for equipment are presently being prepared.
VENEZUELA VEN/REF/17/INV/33 Lat America/Car.	Conversion of CFC-12 compressor production facilities at VECOMESA to manufacture the HFC-134a compressors	07-95	0	03-97	03-97	362,000	0	0	0	UNDP refrigeration expert will visit in Oct 95, and specs for equipment are presently being prepared.
VENEZUELA VEN/REF/17/INV/34 Lat America/Car.	Eliminate CFC-11 and CFC-12 in the manufacture of commercial refrigeration equipment at PINOVA S.A.	07-95	28	03-97	03-97	517,500	0	0	0	UNDP foam and refrigeration experts will visit Venezuela in Oct 95, and specs for equipment are presently being prepared.
VENEZUELA VEN/SEV/09/INS/08 Lat America/Car.	Institutional strengthening	03-93	0	12-96	12-96	384,092	329,192	86	329,192	Fully operational. Funds disbursed as per budget schedule. FONDOIN is fully staffed and is actively coordinating the national ODS phaseout programme. Additional funds (\$54,900) approved at 17th ExCom were added to this project.
VENEZUELA VEN/SEV/17/PRP/31 Lat America/Car.	Preparatory assistance for the dom. and com. refrigeration manufacturing sector	07-95	0	09-96	09-96	30,000	21,095	70	21,095	Visits by UNDP refrigeration and foam consultants in Oct 95 to formulate a new series of projects to be presented at the 19th ExCom Meeting.

Project Number and Region	Project Title	Date of Approval mm-yy	ODP in tons per year	Original date of completion mm-yy	Revised date of completion mm-yy	Approved Funding (US\$)	Funds Disbursed (US\$)	Rate of disbursement %	Cumulative Commitments to end of current year (US\$)	Status / Lessons Learned / Remarks
VIET NAM VIE/ARS/17/INV/07 Asia/Pacific	Conversion to hydrocarbon aerosol propellant technology at Saigon Cosmetics Company	07-95	80	12-96	12-96	238,430	0	0	0	Project document awaiting government signature. Equipment and building specifications approved by enterprise. Awaiting bids from qualified suppliers
VIET NAM VIE/SEV/12/PRP/01 Asia/Pacific	Project preparation assistance	03-94	0	06-95	03-96	100,000	50,288	50	50,288	1 aerosol project approved in July 1995; 2 others submitted to 18th ExCom. All small fillers identified will be covered under an umbrella project to be formulated. A recycling project will be formulated in Dec.95. Not all disbursements recorded.
ZAMBIA ZAM/SEV/17/PRP/04 Africa	Project preparation assistance	07-95	0	06-96	06-96	20,000	5,096	25	5,096	An identification/formulation visit has been arranged for UNDP's sector expert in refrigeration recycling.
REGIONAL ASP/REF/06/TRA/03 Asia/Pacific	One of three MAC recycling training/demonstration programme (Asia)	02-92	0	12-92	06-96	45,000	0	0	0	This will follow the Latin America Demonstration/Workshop to be held during 6-7 Nov 95 in the Dominican Republic. Expected date would be 2Q96.
REGIONAL GLO/REF/06/TRA/03 Africa	Regional MAC recycling training and demonstration programme (Middle East)	02-92	0	12-92	12-96	45,000	0	0	0	Based on the Latin America and Asia experience, the demonstration/workshop will be scheduled for 4Q96
REGIONAL LAC/REF/06/TRA/04 Lat America/Car.	MAC CFC-recycling training and demonstration programme (Latin America)	02-92	0	12-92	12-95	45,000	35,046	78	35,046	The programme for first demonstration workshop for Latin America done in collaboration with USEPA. Workshop has been scheduled to coincide with UNEP's Network meeting during 6-7 Nov. 95
REGIONAL_FUM AFR/FUM/17/TAS/15 Global	UNDP regional survey on methyl bromide for English-speaking Africa	07-95	0	03-96	03-96	179,850	67,550	38	179,850	Survey teams (National consultants and data survey assistants) in 14 countries in place. The same for international Consultants responsible for analyzing and putting the data together. Work underway

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REGIONAL_FUM ASP/FUM/17/TAS/19 Asia/Pacific	Regional methyl bromide survey for South-East Asia	07-95	0	03-96	03-96	102,000	58,000	57	58,000	National surveys and visits to Malaysia, Brunei, Indonesia and Thailand for data verification currently being carried out. Regional reports expected by 31 Oct. A paper will be submitted to the 18th ExCom. Not all disbursements recorded yet.
REGIONAL_FUM LAC/FUM/17/TAS/14 Lat.America/Car.	Regional methyl bromide survey for South America	07-95	0	03-96	03-96	57,700	40,000	69	40,000	Regional Survey Team consisting of three international consultants as well as 6 out of 10 national teams recruited. Questionnaire sent to all 10 countries. It is hoped that the survey can be completed in time.
GLOBAL GLO/ARS/06/TAS/05 Global	Technical assistance in aerosols	02-92	0	12-92	12-95	60,000	44,212	74	44,212	Final activities being planned under this project in Asia and Latin America. Activity completion by Dec95.
GLOBAL GLO/HAL/08/TAS/23 Global	Global Halons Project	10-92	0	12-94	12-96	345,133	173,841	50	173,841	Workshop held in Philippines 21-25 Aug95 had 45 participants from Government, industries, suppliers. Three projects were developed. One submitted to the 18th ExCom.
GLOBAL GLO/REF/06/TAS/06 Global	Technical assistance in MAC	02-92	0	12-92	09-96	50,000	13,623	27	35,000	UNDP's MAC expert is helping organize the MAC demonstration Workshop to be held in Santo Domingo during 6-7 Nov95. He is also helping organize the other Regional MAC Workshops in Asia and Middle East, and develop/review MAC projects.
GLOBAL GLO/REF/08/TAS/24 Global	Global MAC project	02-92	0	12-94	12-95	318,584	299,663	94	318,584	Joint UNDP/USEPA implementation of this project has been very effective with activities to date in China, Mexico, Uruguay and Venezuela. A second phase is being recommended.
GLOBAL GLO/SEV/06/TRA/11 Global	Three national policy workshops	02-92	0	12-92	12-95	45,000	27,240	61	27,240	Third Workshop is targeted for the English Speaking countries in Africa. These countries have requested assistance on specific policies and implementation arrangements needed to successfully implement ODS phaseout programmes.

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GLOBAL GLO/SEV/06/TRA/12 Global	Two study-tours for officials and industry representatives	02-92	0	12-92	12-95	50,000	23,531	47	23,531	Technical assessments and plant visits in foams and ref. to be conducted in second-half 95 for key representatives in English Speaking African countries.
TOTAL:			10,323			84,032,345	19,672,565	23	29,150,438	

Year	ODP Phase Out	Number of Appro- vals	Number Comple- ted	Interest Earned US\$	Savings plus Deficits of Completed Projects US\$	Approved Funding US\$	Funds Disbursed US\$	Rate of Disbur- sement %	Cummulative Commitments to end of current year (US\$)	Status/Lessons Learned/Remarks
1991	0	16	15	25,937	33,364	585,900	532,536	91	532,536	
1992	293	67	43	176,914	99,344	8,516,386	6,684,832	78	6,777,109	
1993	998	58	27	357,010	-23,484	13,749,949	9,294,779	68	9,531,186	
1994	6,811	141	17	1,726,099	-13,298	55,783,864	13,740,969	25	22,790,282	
1995	3,202	45	0	N/A	N/A	16,351,911	279,188	2	406,488	
SUBTOTAL	11,304	327	102	2,285,960	95,926	94,988,010	30,532,304	32	40,037,601	
Administrative Costs (start-up Costs):						596,500	596,500			
Administrative Costs (overhead):						12,348,441	3,969,200			
GRAND TOTAL						107,932,951	35,098,004			

Note 1: As discussed with the Secretariat, and as has always been the case in UNDP's status reports, "Funds Disbursed" indicates actual expenditures plus obligations.