



**United Nations
Environment
Programme**



Distr.
LIMITED

UNEP/OzL.Pro/ExCom/25/10
22 June 1998

ORIGINAL: ENGLISH

**EXECUTIVE COMMITTEE OF
THE MULTILATERAL FUND FOR THE
IMPLEMENTATION OF THE MONTREAL PROTOCOL**
Twenty-fifth Meeting
Montreal, 29-31 July 1998

PROGRESS REPORT ON BILATERAL COOPERATION

COMMENTS OF THE FUND SECRETARIAT

1. The following countries involved in bilateral cooperation activities supported by the Multilateral Fund submitted progress reports: Australia, Canada, Denmark, France, Germany, Singapore, Switzerland, and the United States of America. Data from these reports are included in the Consolidated Progress Report database¹. Additional data from previous progress reports for other countries involved in bilateral cooperation is also included in the database.

2. The following table presents a summary of bilateral cooperation. Over US \$20 million has been approved for bilateral activities. The table indicates that 57 per cent of bilateral activities have been completed. Although most bilateral projects are non-investment projects, bilateral agencies estimate that their projects will result in the total annual phase-out of 819 ODP once completed. Completed bilateral projects have resulted in the phase-out of 498 tonnes. The rate of disbursement on bilateral activities is 66 per cent. Of the balance of disbursed funding, bilateral agencies indicate that US \$2.7 million (38 per cent) of the remaining funds will be disbursed by the end of 1998.

ANNUAL SUMMARY OF BILATERAL COOPERATION

Year Approved	Number of Projects Approved	Number of Projects Completed	Per Cent Completed	ODP to be Phased Out	ODP Phased Out	Per Cent of ODP Phased Out	Approved Funding (US\$)	Adjustment (US\$)	Funds Disbursed (US\$)	Per Cent of Funds Disbursed	Balance (US\$)	Planned Commitment in 1998 (US\$)
1991	1	1	100%	0	0	n/a	396,110	0	396,110	100%	0	0
1992	18	18	100%	0	0	n/a	2,205,192	745,477	2,883,669	98%	67,000	0
1993	10	10	100%	0	11	n/a	1,331,476	-143,058	1,215,309	102%	-26,891	0
1994	30	27	90%	229	243	106%	3,585,244	-55,138	3,010,269	85%	519,837	12,000
1995	15	11	73%	263	215	82%	4,733,216	-226,600	3,417,472	76%	1,089,144	1,084,338
1996	26	8	31%	236	10	4%	3,683,507	-743	1,575,481	43%	2,107,283	561,000
1997	34	1	3%	90	19	21%	4,401,903	0	1,115,095	25%	3,286,757	1,017,577
Total	134	76	57%	819	498	61%	20,336,648	319,938	13,613,405	66%	7,043,130	2,674,915

RECOMMENDATION

1. The Executive Committee may wish to note with appreciation the progress reports submitted by the governments of Australia, Canada, Denmark, France, Germany, Singapore, Switzerland, and the United States of America.

¹ Except the data for Australia whose report was received after the completion of the Consolidated Progress Report.

PROGRESS REPORT OF AUSTRALIA

Project Title	Status	Agency	Region	Country	Sector	Mtg	Type	Num	A/N	O/T	I/R/D	ODP to be Phased Out per Proposal	ODP Phased Out	Date Approved	First Disbursement Date	Date of Completion per Proposal	Plan-ned Date of Completion	Date Completed (Act-ual)	Date of Financial Completion	Ap-proved Funding (US\$)	Adjust-ment (US\$)	Funds Dis-bursed (US\$)	Per Cent of Funds Dis-bursed	Ba-lance (US\$)	Plan-ned Com-mit-ments in 1998 (US\$)	Remarks	Year of Contrib-ution
Support for delegates from six Asian countries to participate in regional workshop on alternatives to CFC	FIN	Australia	ASP	ASP	SEV	7	TRA	6	A	O	D	0		Jun-92		Jun-93		Jun-93	Jul-93	39,394	(4,420)	34,974					92
Support to ASEAN regional conference on CFC and halons	FIN	Australia	ASP	ASP	SEV	8	TRA	8	A	O	D	0		Oct-92		Oct-93		Oct-93	Oct-93	4,420	(103)	4,317					93
Support to participants to the regional workshop on refrigeration and air conditioning training programme	FIN	Australia	ASP	ASP	REF	12	TRA	14	A	O	D	0		Mar-94		Mar-95		Apr-94	May-94	66,800	-	66,800					94
Replacement of methyl bromide with non-ozone depleting alternative in grain storage	FIN	Australia	AFR	AFR	FUM	17	TAS	14	A	O	D	0		Jul-95		Jan-96		Oct-95	Nov-95	38,896	-	38,387					95

Project Title	Status	Agency	Region	Country	Sector	Mtg	Type	Num	A/N	O/T	I/R/D	ODP to be Phased Out per Proposal	ODP Phased Out	Date Approved	First Disbursement Date	Date of Completion per Proposal	Planned Date of Completion	Date Completed (Actual)	Date of Financial Completion	Approved Funding (US\$)	Adjustment (US\$)	Funds Disbursed (US\$)	Per Cent of Funds Disbursed	Balance (US\$)	Planned Commitments in 1998 (US\$)	Remarks	Year of Contribution
Provision of training in leak reduction, emission control and recycling and management of non-CFC refrigerants in domestic and commercial refrigeration and air conditioning	FIN	Australia	LA C	ARG	REF	17	TAS	24	A	O	D	0		Jul-95		Nov-95		Feb-96	Mar-96	40,000	-	40,000					95
Indonesian ODS control policy	FIN	Australia	AS P	IDS	SEV	17	TAS	33	A	O	D	0		Jul-95		Jan-96		Jan-96	Jan-96	42,000	-	42,000					95
Demonstration project CFC recycling and emissions reduction in the commercial refrigeration sector	ONG	Australia	AS P	VIE	REF	20	DEM	14	N	O	D	28		Oct-96		Dec-97	Apr-00			282,687	-	-			70		96

Project Title	Status	Agency	Region	Country	Sector	Mtg	Type	Num	A/N	O/T	I/R/D	ODP to be Phased Out per Proposal	ODP Phased Out	Date Approved	First Disbursement Date	Date of Completion per Proposal	Plan-ned Date of Completion	Date Completed (Actual)	Date of Financial Completion	Ap-proved Funding (US\$)	Adjustment (US\$)	Funds Disbursed (US\$)	Per Cent of Funds Disbursed	Ba-lance (US\$)	Plan-ned Com-mitments in 1998 (US\$)	Remarks	Year of Contribution
Replacement of methyl bromide with non ozone depleting substances in grain storage	ONG	Australia	AFR	KEN	FUM	21	DEM	12				12		Feb-97	Jun-97	Jul-97	Jan-99			232,834	-	60,000	26	172 834	110,000	\$62,834 is expected to be disbursed in early 1999 on project completion.	96

PROGRESS REPORT OF CANADA

Status Report on Canada's Bilateral Activities

I. Project Approvals and Disbursements

A. Annual Summary Data

The Executive Committee has approved fifteen activities as bilateral contributions from the Government of Canada to the Multilateral Fund. Of the US \$ 2,947,985.00 *, US \$ has been disbursed including completed projects. Bilateral contributions on an annual basis are as follows:

<u>Year</u>	<u>Amount * (US dollars)</u>
1993	\$ 649,500.00
1994	\$ 536,270.00
1995	\$ 50,000.00
1996	\$ 851,580.00
1997	\$ 860,635.00
TOTAL	\$ 2,947,985.00

* Adjusted for the return of unutilised funds.

B. Summary Data by Type (CPG, DEM, INS, INV, PRP, TAS, TRA)

Under the Secretariat's classification system, Canada's bilateral activities are distributed among the following types of projects:

Type	Number of Projects	Amount Approved * (US dollars)
Country Programmes		
Demonstration Projects	4	1,301,080.00
Institutional Strengthening		
Investment Projects		
Project Preparation		
Technical Assistance	5	1,032,635.00
Training	6	614,270.00
TOTAL		2,947,985.00

* Adjusted amount – includes any adjustments for unutilised funds.

II. Project Completions Since Last Report

Since the last progress report, the Government of Canada has not completed any further projects.

III. Global and Regional Project Highlights

n/a

IV. Completed and Ongoing Projects

All of the Government of Canada's bilateral activities are considered non-investment projects.

Of the fifteen approved activities to date, the Government of Canada has completed nine and closed one, with the remaining five classified as ongoing.

V. Status of Project Preparation, by country

n/a

VI. Administrative Issues (Adjustments and Other Issues)

A. Adjustments

n/a

B. Other Issues

Annex I Country Developments and Institutional Strengthening Unit Highlights

A. Country Developments

Brazil

The equipment for the Halon Recycling and Bank Management project was installed on the premises of the Indústria e Comércio de Equipamentos Aeronáuticos Ltda (GESPI), located on the outskirts of São Paulo, in January of 1998.

A Brazilian Advisory Group has been formed to oversee the overall management of the Halon Bank.

Three workshops remain to be implemented as part of this project. It is expected that the project will be completed by no later than 31 December, 1998.

China (CPR/FUM/22/TAS/199)

To date, the field trials component of the Canada-China bilateral project, which represents seventy-five percent of the project's activities as well as funding, has been completed. In collaboration with the Guangdong Institute of Cereal Science Research and the China National Research Center for Stored Grain in Chengdu, the Canadian company Hedley Technologies Inc. (HTI) undertook the implementation of stored grain demonstration field trials of diatomaceous earth (DE) as part of an integrated pest management approach (IPM). In both instances the field trials have yielded very positive results.

At present, preparation are underway for the implementation of the final phase of the project, a reporting workshop on the results of the demonstration trials for Chinese government agencies and senior grain board authorities. It is expected that the workshop will be held by no later than autumn 1998.

Guyana (GUY/REF/23/TAS/08)

The recovery and recycling equipment has been selected and the equipment specifications have been provided to technical experts in Guyana for review and approval.

Canada is working in close collaboration with UNEP/IE, the agency that is implementing the training components of Guyana's RMP. In accordance with the ruling of the Executive Committee, Canada's recovery and recycling programme will not be implemented until such a time as the accompanying legislative and regulatory measures necessary for its successful implementation are underway or already in place.

St. Lucia (STL/REF/23/TAS/04)

A National Workshop on the development of regulations and legislation under St. Lucia's RMP implementation project, was held on June 8-9. A representative from Canada's domestic ozone program provided participants with an overview of the Canadian experience in meeting commitments under the Montreal Protocol. Participants were then given the task of developing a National Action Plan for the further implementation of the RMP, which included an agreed to time schedule and a repartition of stakeholder responsibilities.

Venezuela (VEN/REF/22/TAS/55)

The CFC reclamation equipment has been shipped to Venezuela. Installation of the equipment at the site chosen to house the reclamation centre is expected to be completed by July 1998.

Venezuela (VEN/HAL/19/TAS/47)

Phase II of the Venezuela Recycling and Bank Management Project has been completed.

Financial completion of the project is imminent, pending a final review by Canadian technicians that the equipment is functioning according to its original specifications. This final technical visit is expected to take place by no later than the autumn of 1998.

B. Institutional Strengthening

n/a

Canada

Project Title	Status	Agency	Region	Country	Sector	Mt g	Type	Num	A/N	O/T	I/R/D	ODP to be Phased Out per Proposal	ODP Phased Out	Date Approved	First Disbursement Date	Date of Completion per Proposal	Planned Date of Completion	Date Completed (Actual)	Date of Financial Completion
Refrigeration training workshop in the state of Sao Paulo (Phase I)	FIN	Canada	LAC	BRA	REF	11	TRA	11	A	O	R	0		Nov-93		Nov-94		Sep-93	Sep-93
Activities in Sichuan Province	FIN	Canada	ASP	CPR	SEV	11	TRA	52	A	O	R	0		Nov-93		Nov-94		Oct-93	Oct-94
Technical assistance in halon sector (Phase I)	FIN	Canada	LAC	VEN	HAL	11	DEM	18	A	O	I	0		Nov-93		Nov-97		Mar-96	Mar-96
Feasibility study to establish a refrigerant conservation programme in Sichuan Province	CLO	Canada	ASP	CPR	REF	14	TAS	81	A	O	I	0		Sep-94		Sep-95			Sep-95
No-clean technology programme	FIN	Canada	ASP	CPR	SOL	14	TRA	82	A	O	I	0		Sep-94		Sep-95		Nov-94	Nov-94
Montreal Protocol Technology Transfer Workshop on ODS (Phase II)	FIN	Canada	LAC	BRA	SEV	15	TRA	17	A	O	R	0		Dec-94		Dec-95		Sep-94	Sep-94
Initiative to help phase out the release of ODS by Asian SME's	FIN	Canada	ASP	IND	SEV	15	TRA	31	A	O	I	0		Dec-94	Dec-95	Dec-95		Feb-96	Mar-96
Ozone depleting solvents workshop in Brazil	FIN	Canada	LAC	BRA	SOL	17	TRA	25	A	O	I	0		Jul-95		Jan-96		May-94	May-94
Halon recycling and bank management	ONG	Canada	LAC	BRA	HAL	19	DEM	47	A	O	I	0		May-96		May-98	Dec-98		
Halon recycling and bank management (Phase II)	COM	Canada	LAC	VEN	HAL	19	DEM	47	A	O	I	0		May-96	Jun-96	May-98	Jun-98		
Methyl bromide replacement demonstration program	ONG	Canada	ASP	CPR	FUM	22	DEM	199	A	O	I	0		May-97	Jun-97	Jun-99	Oct-98		
Implementation of a centralized reclamation plant for recovered refrigerants in the commercial refrigeration and air-conditioning sector	ONG	Canada	LAC	VEN	REF	22	TAS	55	A	O	I	0		May-97	Jun-97	Jun-99	Jun-99		
Implementation of the refrigerant management plan: National recovery and recycling programme	ONG	Canada	LAC	GUY	REF	23	TAS	8	A	O	I	6.5		Nov-97		Dec-00			
Implementation of the refrigerant management plan	ONG	Canada	LAC	STL	REF	23	TAS	4	A	O	I	3		Nov-97		Dec-00			
Bromosorb technology in commodity fumigation	FIN	Canada	LAC	CHI	FUM	15	TAS	6	A	O	I	0		Dec-94	Mar-96	Dec-95	Dec-96	Dec-96	Dec-96

Canada

Project Title	Approved Funding (US \$)	Adjustment (US \$)	Funds Disbursed (US \$)	Per Cent of Funds Disbursed	Balance (US \$)	Planned Commitments in Current Year (1998) (US \$)	Remarks	Year of Contribution
Refrigeration training workshop in the state of Sao Paulo (Phase I)	172,500	-	172,500					93
Activities in Sichuan Province	172,500	-	172,500					93
Technical assistance in halon sector (Phase I)	414,000	(143,058)	304,500					93
Feasibility study to establish a refrigerant conservation programme in Sichuan Province	58,400	(58,400)	-					93
No-clean technology programme	51,100	-	51,100					93
Montreal Protocol Technology Transfer Workshop on ODS (Phase II)	58,390	-	58,390					94
Initiative to help phase out the release of ODS by Asian SME's	109,780	-	109,780					94
Ozone depleting solvents workshop in Brazil	50,000	-	50,000					95
Halon recycling and bank management	499,360	-					Of the total funds approved for project implementation (USD 499,360 converted into CDN funds 648,053), CDN 285,213.58 remains to be disbursed.	95
Halon recycling and bank management (Phase II)	352,220	-	340,175		12,045			95
Methyl bromide replacement demonstration program	145,000	-	105,000		40,000			97
Implementation of a centralized reclamation plant for recovered refrigerants in the commercial refrigeration and air-conditioning sector	495,285	-	465,765		39,520			97
Implementation of the refrigerant management plan: National recovery and recycling programme	73,450	-						97
Implementation of the refrigerant management plan	146,900	-	13,750		133,150			97
Bromosorb technology in commodity fumigation	300,000	17,000	317,000					94/96

PROGRESS REPORT OF DENMARK

ROYAL DANISH MINISTRY OF FOREIGN AFFAIRS

PROGRESS REPORT

I. Project Approvals and Disbursements

A. Annual Summary Data

The Executive Committee of the Multilateral Fund has approved, in July 1995, one activity in China amounting to a total of \$205,000 as bilateral contributions from the Government of Denmark to the Multilateral Fund against its 1995 contributions. Of the total amount, \$21,983 has been disbursed as at 31 December 1997. A contract for \$96,356 was signed with A'Gramkow A/S in mid 1997 for the purchase of equipment, a letter of credit has been issued in 1997, the amount will be reflected as disbursement in 1998. Upon arrival of the equipment in early 1998, installation and trial will be carried out. Local construction work is being underway and is expected to be completed by mid second quarter 1998. A seminar will be held after the installation of the equipment and the entire project activities will be completed by the end of 1998.

B. Summary Data by Type (CPG, DEM, INS, INV, PRP, TAS, TRA)

Under the Secretariat's classification system, this bilateral activity is classified as Technical Assistance project.

I. Project Completions since Last Report

N/A

II. Global and Regional Project Highlights

N/A

III. Completed and Ongoing Projects

This contribution is considered a non-investment project and is on-going. Project activities are now expected to be completed by the end of 1998.

IV. Status of Project Preparation, by country

N/A

V. Administrative Issues (adjustments and Other Issues)

A. Adjustments

N/A

B. Other Issues

N/A

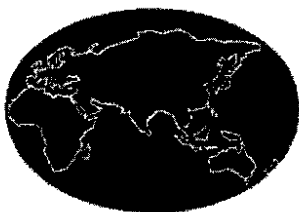
Secretariat Data

Project Title	Status	Agency	Region	Country	Sector	Mt g	Type	Num	A/N	O/T	L/R/D	ODP to be Phased Out per Proposal	ODP Phased Out	Date Approved	First Disbursement Date	Date of Completion per Proposal	Plan-ned Date of Completion	Date Completed (Actual)	Date of Financial Completion
Establishment of a CFC recycling centre at Zhejiang Dongyang Chemical Factory	ONG	Denmark	ASP	CPR	REF	17	TAS	130	N	O	I	20		Jul-95	Oct-96	Jul-96	Dec-98		

Secretariat Data

Project Title	Approved Funding (US \$)	Adjustment (US \$)	Funds Disbursed (US \$)	Per Cent of Funds Disbursed	Ba-lance (US \$)	Planned Commitments in Current Year (1998) (US \$)	Remarks	Year of Contribution
Establishment of a CFC recycling centre at Zhejiang Dongyang Chemical Factory	205,000	-	21,983	11	183,017	183,017	Project Document signed in March 1996. Procurement contract initiated in August 1996 but contract was not signed until mid 1997. Major delay caused by disagreement on contractual terms. Equipment will arrive early. Installation and trial will be carri	95
** Above figures inclusive of 13% Administrative Support Cost **								

PROGRESS REPORT OF FRANCE



**Secrétariat du Fonds Français
pour l'Environnement Mondial**

**RAPPORT SUR L'ETAT DES ACTIVITES BILATERALES DE LA FRANCE DANS LE
CADRE DU PROTOCOLE DE MONTREAL A LA DATE DU**

31 DECEMBRE 1997

I. Approbation de projets et décaissements:

A. Données annuelles:

Le Comité Exécutif a approuvé 34 activités comme contributions bilatérales du Gouvernement français au Fonds Multilatéral. Sur les 2 866 078* dollars US approuvés au 31 décembre 1997 (dont plus de 50% ont été approuvés en novembre 1997), 551 019 dollars US ont été décaissés, y compris les activités achevées. Si l'on ne tient pas compte des projets nouvellement approuvés en novembre 1997, le taux de déboursement est d'environ 40%.

La répartition sur une base annuelle des contributions bilatérales est comme suit:

<u>Année</u>	<u>Montant en US dollars(*)</u>
1994	241 036
1995	139 505
1996	1 150 247
1997	1 527 713
Total	3 058 501

* Montants ajustés par rapport aux fonds non décaissés.

B. Classification des contributions par type (CPG, DEM, INS, INV, PRP, TAS, TRA)

Selon le système de classification du Secrétariat, les activités bilatérales de la France sont réparties selon les types suivants de projets:

Type	Nombre de Projets	Montants approuvés(*) (US dollars)
Programmes de pays (CPG)	3	100 806
Projets de démonstration (DEM)	0	0
Renforcement Institutionnel (INS)	1	38 874
Projets d'investissement (INV)	12	2 142 156
Préparation de projets (PRP)	9	227 257
Assistance technique (TAS)	3	200 000
Formation (TRA)	6	349 408
TOTAL	34	3 058 501

* Montants ajustés par rapport aux fonds non décaissés.

II. Projets complétés depuis le dernier rapport:

Depuis le dernier rapport de progression des projets, le Gouvernement français a achevé les projets suivants:

Référence du projet	Titre du projet	Remarques
AFR/MOR/19/PRP/44	Formulation d'un projet de récupération et de recyclage de CFC	Projets de formation et de mise en place du réseau approuvés à la 23ème réunion
ASP/IRA/20/PRP/	Formulation de projets dans le secteur du conditionnement d'air mobile	Projets de formation et de mise en place du réseau approuvés à la 23ème réunion
ASP/LEB/20/PRP/	Formulation d'un projet de récupération et de recyclage de CFC	Projets de formation et de mise en place du réseau approuvés à la 23ème réunion
ASP/LEB/20/PRP/	Formulation d'un projet de reconversion des industries de production d'équipements frigorifiques commerciaux	Projet approuvé à la 23ème réunion

III. Remarques sur les projets globaux et régionaux : n/a

IV. Projets complétés et en cours:

Sur les 34 activités bilatérales approuvées, 12 projets concernent des projets d'investissement.

Parmi ces projets d'investissement :

- 1 a été approuvé en 1994 (secteur de la pêche en Mauritanie). Ce projet présente des difficultés d'exécution du fait de la faible coopération des autorités mauritaniennes et du choix de la période durant laquelle doit se faire la reconversion (pendant le repos biologique). Normalement toutes ces difficultés ont été levées et le projet est en cours d'exécution.
- 1 a été approuvé en 1995 (projet en Malaisie). Celui-ci a été annulé depuis,
- 6 projets ont été approuvés en novembre 1996 (projets mousse au Liban) et sont en cours d'exécution. Le délai habituel pour l'exécution de ce type de projet est en général de 18 à 24 mois.,
- 4 projets ont été nouvellement approuvés en novembre 1997.

Les autres activités concernent la préparation de projets, les programmes de pays, l'assistance technique et le renforcement institutionnel.

Au total, 10 activités ont été achevées, 23 sont en cours (dont 10 approuvées en 1997) et un projet a été annulé (cf. complément d'information en annexe 1).

V. Etat d'avancement des activités de préparation de projets par pays:

Les préparations de projets au Liban (réfrigération commerciale et projet de récupération et de recyclage des CFC), au Maroc (récupération et recyclage de CFC) et en Iran (secteur du MAC) ont été achevées.

Des activités de préparation de projets sont en cours dans 5 pays: Madagascar, Côte d'Ivoire, Iran (3), Maroc et Vietnam.

VI. Aspects administratifs (ajustements et autres aspects)

Tous les ajustements ont été inclus dans la feuille de calcul (voir annexe 2).

Annexe 1 :

**Remarques sur l'exécution des Programmes de pays et du projet de renforcement
institutionnel**

A. PROGRAMME DE PAYS

Mauritanie

Reconversion des installations commerciales utilisant des CFC dans le secteur de la pêche:

L'entreprise en charge de l'exécution du projet a été sélectionné au mois de mai 1997. Cependant, le manque de coordination des autorités mauritaniennes n'a pas permis jusqu'à présent d'achever le projet jusqu'au bout. Cette reconversion est actuellement en cours.

Formation des techniciens du froid:

Formation prévue pour le mois d'avril 1998. Le retard est dû à la totale démobilisation du Bureau Ozone Mauritanie.

Formation et sensibilisation du personnel en charge du suivi et de l'identification des SAO et des appareils qui en contiennent:

La formation a eu lieu du 02 au 04 novembre. Le nombre de participants a été de plus de 20 personnes, essentiellement des officiers de haut niveau des Douanes.

Un manuel de formation a été rédigé à cette intention.

Madagascar:

Le programme de pays de Madagascar est en cours de formulation. La première visite du Consultant a eu lieu au mois d'octobre 1997. Le programme d'enquête est ambitieux puisque le Plan de gestion des fluides frigorigènes sera inclus dans ce programme de pays.

B. RENFORCEMENT INSTITUTIONNEL

Mauritanie

A la suite de l'absence prolongée du Chef du Bureau Ozone pour des raisons personnelles, aucun remplaçant n'a été désigné pour lui succéder. Depuis, le Chef du Bureau a été désigné à un autre poste dans un autre ministère et actuellement il n'y a toujours aucun successeur désigné. De ce fait, les déboursements ont été bloqués, puisqu'aucun rapport d'activités n'est plus soumis.

Annexe 2 :

Récapitulatif des activités bilatérales de la France dans le Cadre du Protocole de Montréal

Statut	Agence	Projet Titre	Région	Contraire	Secteur	Titre	Type	Inv. Num	Implémentation	ODP to be Phased Out per Pre-proposal	ODP Phased Out	Date Approuvée	First Disbursement Date	Date of Completion	Date of Completion (Actual)	Approved Funding (US\$)	Adjusted (US\$)	Funds Disbursed (US\$)	Per Cent of Funds Disbursed	Balance (US\$)	Planned Commitments in Current Year (US\$)	Remarks	Year of Completion
COM	France	Technology transfer workshop for African countries on practical implementation of the Montreal Protocol	AFR	AFR	ZEV	17 TAS	11 A	10	10	n/a	n/a	Jul-95	Jan-96	N/A	Feb-96	120 000	0	120 000	100%	0	N/A	Exécuté en février 1996 en coopération avec le PNUE.	1995
ONG	France	Refrigerant Management Plan	AFR	IVC	REF	21 PRP				n/a	n/a	Feb-97	Mar-97	Feb-98		25 000		21 600	86%	3 400		Le rapport est en cours de finalisation et devrait être soumis au milieu de février 1998.	1997
COM	France	Country programme preparation	AFR	MAU	ZEV	13 CPO	1 A	10	10	n/a	n/a	Jul-94	Jul-95	Jul-95	Jul-95	44 000	-4229	39 771	90%	0	N/A	Approuvé le 14 février 1994.	1994
ONG	France	Institutional strengthening project proposal	AFR	MAU	ZEV	14 INS	2 A	10	10	n/a	n/a	Sep-94	Jan-96	Dec-98	Dec-98	38 874		22 400	58%	16 474		Le barreau Oms fonctionne depuis le 1/1/96.	1994
ONG	France	Conversion of CFC-based commercial refrigeration installations in the fishing industry	AFR	MAU	REF	14 INV	5 A	10	10	2		Sep-94	Sep-96	Mar-97		106 900		0	0%	106 900		Projet en cours d'exécution.	1994
COM	France	Training and awareness of personnel involved in the task of monitoring and identifying ODS and ODS-containing material	AFR	MAU	ZEV	14 TRA	3 A	10	10	n/a	n/a	Sep-94	Oct-96	Oct-96	Nov-96	10 000	-544	9 456	95%	0		La formation a eu lieu du 02 au 04 novembre 1996.	1994
ONG	France	Training of refrigeration technicians	AFR	MAU	REF	14 TRA	4 A	10	10	n/a	n/a	Sep-94	Sep-95	Oct-96		25 000		0	0%	25 000		Formation prévue pour avril 1998.	1994
ONG	France	Country Programme	AFR	MDG	ZEV	22 CPO				n/a	n/a	Feb-97	Sep-97	Mar-98		40 000		17 000	43%	23 000		Présenté visite du Consultant en octobre 1997.	1997
ONG	France	Implementation of an ODS recovery and recycling network	AFR	MOR	REF	23 INV				n/a	n/a	Nov-97	Jan-98	Jan-98		355 867		0	0%	355 867		Projet actuellement approuvé.	1997
COM	France	Project preparation for the formation of a project to implement a recycling network for CFC-11, CFC-12 and HCFC-22	AFR	MOR	REF	19 PRP	4 A	10	10	n/a	n/a	Mar-96	Jun-96	Mar-97	Apr-97	20 000		20 000	100%	0		Projet approuvé à la 23ème réunion.	1996
ONG	France	Technical assistance on alternative technologies for cold storage	AFR	MOR	REF	20 TAS				n/a	n/a	Mar-96	Nov-96	Mar-98		40 000	0	32 000	80%	8 000		Enquête complémentaire en cours. Projet devrait être achevé en mai 1998.	1996
ONG	France	Training programme	AFR	MOR	REF	23 TRA				n/a	n/a	Nov-97	Jan-98	Jan-98		53 561		0	0%	53 561		Projet actuellement approuvé.	1997
COM	France	Project preparation for projects in the hotel and fisheries industries and recycling	AFR	SEN	REF	19 PRP	6 A	10	10	n/a	n/a	Mar-96	Sep-96	Mar-97	Dec-96	10 000	-248	9 752	98%	0		Projet soumis et approuvé en juillet par le P.M. L'attente pour le projet est en discussion avec le Gouvernement qui doit coordonner avec l'UNIDO.	1996
ONG	France	Training of technicians in domestic refrigeration and air conditioning	AFR	SEN	ZEV	21 TRA				n/a	n/a	Feb-97	Nov-97	Mar-98		16 500		7 700	47%	8 800		Le démarrage de formation est en cours d'achèvement.	1996

Status	Agency	Project Title	Reg- ion	Con- try	Sec- tor	Atg New	Type	Inv Num	Implemen- tation Char- acteristics	OSP to be Phased Out per Pre-proposal	OSP Phased Out	Date Approv- ed	First Dis- bursement Date	Date of Com- pletion per Proposal	Planned Date of Comple- tion	Date Com- pleted (Actual)	Date of Financial Comple- tion	Approved Funding (US\$)	Adjust- ment (US\$)	Funds Disbursed (US\$)	Per Cent of Funds Dis- bursed	Balance (US\$)	Planned Commis- sions in Current Year (US\$)	Remarks	Year of Com- ple- tion
ONG	France	Set up of a national program of recovery and recycling CPC 12 (joint project in Tunisia)	ASP	IRA	REF	23	INV			n/a	n/a	nov-97	jan-98	jan-98	jan-98			345 923		0	0%	345 923		Projet renouvellement approuvé	1997
COM	France	Project preparation/technical assistance for MAC recycling and training in good servicing practices	ASP	IRA	JAC	20	PRP			n/a	n/a	oct-96	jan-97	oct-97	sep-97	sep-97		30 000		30 000	100%	0		Projet approuvé à la 23ème Réunion	1996
ONG	France	Project preparation/technical assistance in the solvent sector	ASP	IRA	SOL		PRP			n/a	n/a	nov-97	nov-98	nov-98				31 500		0	0%	31 500		Renouvellement approuvé 1997	1997
ONG	France	Project preparation/technical assistance in the tannery sector	ASP	IRA	SAL		PRP			n/a	n/a	nov-97	nov-98	nov-98				31 500		0	0%	31 500		Renouvellement approuvé 1997	1997
ONG	France	Conversion to non-CFC technology in the manufacture of flexible foam (slabstock) at MERZA Sarl	ASP	LEB	POA	20	INV			10		oct-96	jan-97	oct-97	nov-98	nov-98		55 700		5 600	10%	50 100		En cours d'exécution 1996	1996
ONG	France	Conversion to non-CFC technology in the manufacture of rigid foam (sandwich panels) at KILIZI Sarl	ASP	LEB	POA	20	INV			25		oct-96	jan-97	oct-97	nov-98	nov-98		141 000		14 000	10%	127 000		En cours d'exécution 1996	1996
ONG	France	Conversion to non-CFC technology in the manufacture of flexible foam (slabstock) at MERZA FOAM Sarl	ASP	LEB	POA	20	INV			45		oct-96	jan-97	oct-97	nov-98	nov-98		108 172		11 000	10%	97 172		En cours d'exécution 1996	1996
ONG	France	Conversion to non-CFC technology in the manufacture of flexible foam (slabstock) at PLASTIFLEX Sarl	ASP	LEB	POA	20	INV			42		oct-96	jan-97	oct-97	nov-98	nov-98		154 000		15 000	10%	139 000		En cours d'exécution 1996	1996
ONG	France	Conversion to non-CFC technology in the manufacture of flexible foam (slabstock) at POMACO Sarl	ASP	LEB	POA	20	INV			26		oct-96	jan-97	oct-97	nov-98	nov-98		154 000		15 000	10%	139 000		En cours d'exécution 1996	1996
ONG	France	Conversion to non-CFC technology in the manufacture of flexible foam (slabstock) at Parilene & Plastic Sarl (PAF)	ASP	LEB	POA	20	INV			28		oct-96	jan-97	oct-97	nov-98	nov-98		138 700		13 000	10%	115 700		En cours d'exécution 1996	1996
ONG	France	Conversion of refrigeration industrial facilities	ASP	LEB	REF	23	INV			10,4		nov-97	nov-98	nov-98	nov-98	nov-98		166 603		0	0%	166 603		Projet renouvellement approuvé	1997
ONG	France	Implementation of an ODS recovery and recycling network	ASP	LEB	REF	23	INV			n/a	n/a	nov-97	jan-98	jan-98	jan-98	jan-98		425 249		0	0%	425 249		Projet renouvellement approuvé	1997
COM	France	Project preparation and technical assistance	ASP	LEB	FOA	19	PRP	7	A	n/a	n/a	mai-96	mai-97	mai-97	sep-96	sep-96		20 600	-493	19 503	94%	0		Projet d'investissement soumis et approuvé à la 20ème Réunion	1995
COM	France	Project preparation	ASP	LEB	REF	20	PRP					sep-96	nov-96	nov-96	sep-96	sep-96		30 000		30 000	100%	0		Projet approuvé à la 22ème Réunion	1996

Status	Agency	Project Title	Region	Country	Sector	Mtg Num	Type	Inv Num	Implementation Characteristics	ODP to be Phased Out per Pre-proposal	ODP Phased Out	Date Approved	First Disbursement Date	Date of Completion per Proposal	Planned Date of Completion	Date Completed (Actual)	Date of Planned Completion	Approved Funding (US\$)	Adjustment (US\$)	Funds Disbursed (US\$)	Per Cent of Funds Disbursed	Balances (US\$)	Planned Commitments in Current Year (US\$)	Remarks	Year of Contribution
COM	France	Project preparation	ASP	LEB	REF	20	PRP					aug-96	nov-96	mai-97				30 000		30 000	100%	0		Projet approuvé à la 13ème Réunion	1996
ONG	France	Training of refrigeration technicians on recovery and recycling technologies	ASP	LEB	REF	23	TRA			n/a	n/a	nov-97			nov-97			52 668		0	0%	52 668		Projet nouvellement approuvé	1997
CID	France	Phasing out the use of CFC-113 in the electronics industry through the technical promotion of no clean processes	ASP	MAL	SOL	18	INV	78	A O D			nov-95		nov-96	dec-97			226 600	-276600	0	0%	0		Projet annulé	1995
ONG	France	Project No Clean improvement training for electronic assemblers who phased out CFC 113	ASP	MAL	SOL	23	TRA			n/a	n/a	mai-97	nov-97	dec-98	dec-98			192 423		28 700	15%	163 723		La Convention de financement a été signée et une partie du matériel acheté.	1996
COM	France	Country programme preparation	ASP	VIE	ZEV	13	CPG	3	A O D	n/a	n/a	juil-94	août-94	juil-95				30 000	-8965	21 035	70%	0	N/A	Le Programme de Pays du Vietnam a été soumis et approuvé pendant la 19ème Réunion du Comité Exécutif.	1994
ONG	France	Technical assistance on alternatives technologies for cold storage	ASP	VIE	REF	20	TAS					aug-96	nov-96	août-97	avr-98			40 000	0	18 500	46%	21 500		L'enquête progresse lentement du fait du manque de coopération des entreprises concernées.	1996
																		3 299 582	-241081	351 019					

PROGRESS REPORT OF GERMANY

ecretariat Data

Project Title	Status	Agency	Region	Country	Sector	Mt g	Type	Num	A/ N	O/ T	I/R/ D	ODP to be Phased Out per Proposal	ODP Phased Out	Date Approved	First Disbursement Date	Date of Completion per Proposal	Plan-ned Date of Completion	Date Completed (Actual)	Date of Financial Completion
Staged project to produce CFC-refrigerators in China (stage 1b: field testing, stage 2: changeover of foam blowing agent to cyclopentane and refrigerant to isobutane in Haier Refrigerator Factory)	COM	Germany	ASP	CPR	REF	16	INV	115	N	O	I	174	174	Mar-95	Mar-95	Mar-96		Mar-96	Mar-96
Support to attend the Alternatives to CFC and Halons Technologies and Substances conference	COM	Germany	GLO	GLO	SEV	7	TRA	26	N	O	I	0	0	Jun-92	Jun-92	Oct-92		Oct-92	Oct-92
Elimination of CFC-11 and CFC-12 in the manufacture of commercial refrigeration equipment at Azkoon Refrigeration Industries, Inc.	ONG	Germany	ASP	PHI	REF	23	INV	53	N	O	I	18.9	18.9	Nov-97	Nov-97	Dec-99	Apr-00		
Development of a refrigerant management plan	ONG	Germany	AFR	SEY	REF	23	PRP	4	N	O	I	0	0	Nov-97	Nov-97	Mar-98	Jun-98		
Development of a refrigerant management plan	ONG	Germany	AFR	ETH	REF	23	PRP	5	N	O	I	0	0	Nov-97	Nov-97	Mar-98	Jun-98		
Information video: Working safely with hydrocarbons in domestic and small scale commercial refrigeration	ONG	Germany	GLO	GLO	REF	23	TRA	138	N	O	I	0	0	Nov-97	Nov-97	Aug-98	Sep-98		
Development of a refrigerant management plan	ONG	Germany	AFR	KEN	REF	23	PRP	16	N	O	I	0	0	Nov-97	Nov-97	Mar-98	Jun-98		
Development of a refrigerant management plan	ONG	Germany	AFR	NAM	REF	23	PRP	4	N	O	I	0	0	Nov-97	Nov-97	Mar-98	Jun-98		
Development of a refrigerant management plan	ONG	Germany	AFR	SWA	REF	23	PRP	4	N	O	I	0	0	Nov-97	Nov-97	Mar-98	Jun-98		
Development of a refrigerant management plan	ONG	Germany	AFR	UGA	REF	23	PRP	6	N	O	I	0	0	Nov-97	Nov-97	Mar-98	Jun-98		
Development of a refrigerant management plan	ONG	Germany	AFR	ZAM	REF	23	PRP	7	N	O	I	0	0	Nov-97	Nov-97	Mar-98	Jun-98		
Development of a refrigerant management plan	ONG	Germany	AFR	ZIM	REF	23	PRP	12	N	O	I	0	0	Nov-97	Nov-97	Mar-98	Jun-98		
Development of a refrigerant management plan	ONG	Germany	AFR	MAR	REF	23	PRP	8	N	O	I	0	0	Nov-97	Nov-97	Mar-98	Jun-98		
Development of a refrigerant management plan	ONG	Germany	AFR	MLW	REF	23	PRP	8	N	O	I	0	0	Nov-97	Nov-97	Mar-98	Jun-98		

Project Title	Approved Funding (US \$)	Adjustment (US \$)	Funds Disbursed (US \$)	Per Cent of Funds Disbursed	Balance (US \$)	Planned Commitments in Current Year (1998) (US \$)	Remarks	Year of Completion
Staged project to produce CFC-refrigerators in China (stage 1b: field testing, stage 2: changeover of foam blowing agent to cyclopentane and refrigerant to isobutane in Haier Refrigerator Factory)	1,336,918	-	1,336,918	100	0	0		94
Support to attend the Alternatives to CFC and Halons Technologies and Substances conference	18,378	-	18,378	100	0	0		92
Elimination of CFC-11 and CFC-12 in the manufacture of commercial refrigeration equipment at Azkcon Refrigeration Industries, Inc.	370,258	-	14,810	4	355,447	355,447		97
Development of a refrigerant management plan	30,000	-	30,000	100	0	0		97
Development of a refrigerant management plan	30,000	-	30,000	100	0	0		97
Information video: Working safely with hydrocarbons in domestic and small scale commercial refrigeration	322,050	-	41,870	13	280,130	280,130		97
Development of a refrigerant management plan	30,000	-	30,000	100	0	0		97
Development of a refrigerant management plan	30,000	-	30,000	100	0	0		97
Development of a refrigerant management plan	30,000	-	30,000	100	0	0		97
Development of a refrigerant management plan	30,000	-	30,000	100	0	0		97
Development of a refrigerant management plan	30,000	-	30,000	100	0	0		97
Development of a refrigerant management plan	30,000	-	30,000	100	0	0		97
Development of a refrigerant management plan	30,000	-	30,000	100	0	0		97
Development of a refrigerant management plan	30,000	-	30,000	100	0	0		97

PROGRESS REPORT OF SINGAPORE

IEPD 9.3

DID : (65) 731 9189

Fax : (65) 738 4468

28 May 98

Mr Omar E. El-Arini
Chief Officer
Secretariat for Multilateral Fund
for the Implementation of the Montreal Protocol
[Fax : 514 282 0068]

Dear Mr El-Arini

PROGRESS REPORT ON BILATERAL ACTIVITIES

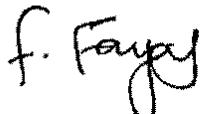
I refer to your fax dated 7 May 98 requesting for the progress report on the bilateral activities approved for Singapore under the Multilateral Fund.

2 We are pleased to inform you that both projects reflected in your attachment have been completed. Details are printed in the table below.

Project Title	Date Approved	Date Completed
Regional methyl chloroform elimination programme for ASEAN countries	Nov 93	Mar 95
Training workshop on CFC-113 and methyl chloroform substitutes and alternative technologies in ASEAN countries	Jul 94	Dec 95

3 Best regards.

Yours sincerely



WONG AI PHENG (MISS)
for HEAD
INTERNATIONAL ENVIRONMENT AND POLICY DEPARTMENT
MINISTRY OF THE ENVIRONMENT

PROGRESS REPORT OF SWITZERLAND

12 March 1997

Switzerland
Progress report and financial reporting for bilateral activities

I. Project Approvals and Disbursements**A. Annual Summary Data**

The Executive Committee has so far approved *two* activities as bilateral contributions from the Government of Switzerland to the Multilateral Fund. Of the US \$ 276'500 approved*, US \$ 276'500 has been disbursed including completed projects. Bilateral contributions on an annual basis are as follows:

<u>Year</u>	<u>Amount*</u> <u>(US dollars)</u>
1994	----
1995	242'600.-
1996	----
1997	33'900.-
TOTAL	276'500.-

* Adjusted for the return of unutilised funds.

B. Summary Data by Type (CPG, DEM, INS, INV, PRP, TAS, TRA)

Under the Secretariat's classification system, the Switzerland's bilateral activities are distributed among the following types of projects:

Type	Number of Projects	Amount Approved* (US dollars)
Country Programmes		
Demonstration Projects		
Institutional Strengthening		
Investment Projects		
Project Preparation		
Technical Assistance		
Training	2	276'500
TOTAL		276'500

* Adjusted amount—includes any adjustments for unutilised funds.

II. Project Completions since Last Report

Since the last progress report, the Government of Switzerland has completed the following projects:

Project Number	Project Title	Remarks/Lessons Learned
LAC//REF/19/TRA/46	Technical assistance and training on safe design of hc based domestic and commercial refrigeration appliances	
GLO/REF/23/TRA/137	International workshop on potential for hc-based refrigerant as replacement in existing domestic and small commercial refrigeration appliances	

Note: If no projects have been completed, included the section title, "II. Project Completions since Last Report" and indicate "N/A" for not applicable.

III. Global and Regional Project Highlights

The workshop, hold on 8 September 1997 in Montreal, served to discuss and assess the potential for hydrocarbon-based refrigerant replacements in existing domestic and small commercial appliances in A5 countries in coordination with the implementing agencies and national governments in the field of refrigerant replacements and to formulate next steps.. Major inputs into the Workshop were a Desk Survey and three Country-Specific Surveys (Costa Rica, Cuba, Indonesia).

The funding of travel costs contributed also to a larger participation of A5 Country Representatives to the 9th Meeting of the Parties

IV. Completed and Ongoing Projects

All of the Government of Switzerland's bilateral activities are considered non-investment projects.

Of the 2 approved activities, the Government of Switzerland has completed 2.

V. Status of Project Preparation, by country

N/A

VI. Administrative Issues (Adjustments and Other Issues)

N/A

Annex II Data Base ARG

Approved Funding (US\$)	Adjustment (US \$)	Funds Disbursed (US \$)	Per Cent of Funds Disbursed	Balance (US\$)	Planned Commitments in Current Year (US\$)	Remarks	Year of Contribution
242'600		242'600	100	0	—	completed by october 1997	1995

Table 1 ARG/UNEP/OzL.Pro/ExCom/19/ financial progress

Annex II Data Base

Status	Agency	Project Title	Region	Country	Sector	Mig Num	Type	Inv Num	Implementation Characteristics	ODP to be Phased Out per Proposal	ODP Phased Out	Date Approved	First Disbursement Date	Date of Completion per Proposal	Date Completed (Actual)	Date of Financial Completion	Approved Funding (US \$)	Adjustment (US \$)	Funds Disbursed (US \$)	Per Cent of Funds Disbursed	Balance (US \$)	Planned Commitments in Current Year (US \$)	Remarks	Year of Contribution
COM	Switzerland	Technical assistance and training on safe design of he based domestic and commercial refrigeration appliances	LAC	ARG	REF	19	TRA	46	A O D	0	0	May-96	Aug-96	oct-97	oct-97	oct-97	247600	0	247600	100.00	0	0		1995
COM	Switzerland	International workshop on potential for he-based refrigerant as replacement in existing domestic and small commercial refrigeration appliances	GLO	GLO	REF	723	TRA	137	A O I	0	0	nov-97	Dec-97	Dec-97	Dec-97	Dec-97	33900	0	33900	100.00	0	0		1997
SUB-TOTAL										#	#						#	#	#	#	#	#		
ADMINISTRATIVE SUPPORT																	#	#	#	#	#	#		
GRAND TOTAL										#	#						#	#	#	#	#	#		

Note: A number sign "#" appears in those cells for which a sub-total, administrative support or grand total figure is required.

PROGRESS REPORT OF THE UNITED STATES OF AMERICA

STATUS REPORT ON BILATERAL ACTIVITIES OF THE GOVERNMENT OF THE UNITED STATES

In accordance with Executive Committee decisions requiring progress reports on bilateral activities, this report provides the status of bilateral activities through 31 December 1997 under implementation by the Government of the United States.

During the second half of 1997, the United States was primarily involved in activities in Chile, China, Costa Rica, Dominican Republic, Guatemala, Philippines, and Vietnam. The United States received approval for new mobile air-conditioning (MAC) servicing demonstration projects in Jamaica, Trinidad and Tobago, and Turkey. The United States completed substantive work on MAC projects in Chile and the Dominican Republic, and on a commercial refrigeration demonstration project in the Dominican Republic.

I. Project Approvals and Disbursements

A. Annual Summary Data

The Executive Committee has approved 59 activities as bilateral contributions from the Government of the United States to the Multilateral Fund. Of the US \$ 10,696,412 approved including approvals through the 23rd Meeting, US \$ 8,342,674 has been disbursed including completed projects. Bilateral contributions on an annual basis are as follows:

<u>Year</u>	<u>Amount (US dollars)</u>
1991	480,000
1992	1,669,000
1993	1,413,110
1994	2,711,000
1995	3,671,302
1996	300,000
1997	452,000
TOTAL	10,696,412

B. Summary Data by Type (CPG, DEM, INS, INV, PRP, TAS, TRA)

Under the Fund's classification system, the United States' bilateral activities are distributed among the following types of projects:

Type	Number of Projects	Amount Approved* (US dollars)
Country Programmes	4	138,000
Demonstration Projects	20	3,177,437
Institutional Strengthening	1	350,000
Investment Projects	2	2,378,865
Project Preparation	12	1,351,000
Technical Assistance	7	1,227,110
Training	13	2,074,000
TOTAL	59	10,696,412

II. Project Completions since Last Report

Since the last progress report, the Government of the United States has completed the following projects:

Project Number	Project Title	Remarks/Lessons Learned
CHI/REF/19/ DEM/15	Demonstration MAC and refrigerated transport	The project successfully trained over 32 technicians from 16 service shops. Estimated annual emission reductions are 9,839 kg ODS; including costs of \$85,000 from a related UNDP project, cost-effectiveness is estimated at \$22/kg. The Chilean project also incorporated refrigerated transport including shops that serviced trucks as well as shops that serviced refrigerated containers used in shipping. EPA and the Chilean government are preparing a final report on the project.
CPR/HAL/13/ PRP/80	Project preparation	Conducted four missions with China's Ministry of Public Security Fire Fighting Bureau, prepared two project proposals (one project, the "Halon Leak Reduction Demonstration" project, was approved at the 16th meeting, has been implemented and completed with a final report under preparation), provided guidelines and technical assistance for sectoral strategy preparation, initiated project preparation for two additional projects, and supported ongoing communications with China on halon sector activities. With the approval of China's Halon Sector Strategy (23rd ExComm meeting), no further activities are foreseen for this project. Funds unused are to be remitted back to Fund (see Adjustments).
DOM/REF/17/ DEM/3	MAC servicing demonstration	With both phase I and phase II of the project successfully completed, the project trained over 60 technicians from 27 service shops. Estimated annual emission reductions are 9,769 kg ODS with a cost-effectiveness of \$22.50/kg. This cost-effectiveness was achieved with the help of a revolving fund component in the project. Through this component, the Dominican government used the program participation fees collected from shops in the first phase of the project to purchase and distribute an additional 7 machines to service shops. EPA and the Dominican Government are preparing a final report to present this data and document the results of this project.
DOM/REF/18/ DEM/5	Demonstration project in commercial refrigeration	Project successfully completed in cooperation with Dominican government and UNDP. The project established two refrigerant reclaiming centers, provided training to over 50 technicians on recovery/recycling equipment and refrigerant verification procedures, and distributed manual and electric CFC recovery equipment to 35 commercial and domestic refrigeration servicing shops in Santo Domingo. Estimated annual emissions reductions are 6,540 kg ODS; including the costs of a related \$78,000 UNDP project, cost-effectiveness is estimated at \$23/kg. A final report is under preparation.

III. Global and Regional Project Highlights

N/A

IV. Completed and Ongoing Projects

Of the 59 approved activities, the Government of the United States has completed 48 and 11 are classified as ongoing. All of the United States' bilateral activities under the Multilateral Fund are, in the terminology required for this report, considered "agency implemented activities" with "disbursements during implementation". All activities are also considered "objective-sensitive" except the institutional strengthening project in Mexico which was considered "time-sensitive".

All of the Government of the United States' bilateral activities are, in the terminology required for this report, considered non-investment projects with the exception of "Deployment of halon 1211 recovery/recharge machines"(CPR/HAL/12/INV/59) and "Staged project to produce CFC-free refrigerators in China (stage 1b and 2)"(CPR/REF/16/INV/116) which are expected to phase-out 258 MT (ODP-weighted).

45 of the 57 non-investment projects have been completed. Of the two investment projects, the "Deployment of halon 1211 recovery/recharge machines"(CPR/HAL/12/INV/59) has been completed; the "Staged project to produce CFC-free refrigerators in China, (stage 1b and 2)"(CPR/REF/16/INV/116) is nearly complete (see Annex I).

V. Status of Project Preparation, by country

Project preparation funding was approved intersessionally prior to the 19th Executive Committee meeting for "Project preparation: Central America/Caribbean" (LAC/REF/19/PRP/16) for MAC sector projects. A second mission to Central America was completed in 1997. This project identified and researched each country in the region having significant refrigerant use in MAC servicing. As a result of the activity, two projects were submitted and approved at the 23rd ExComm Meeting. In 1998, a comprehensive report will be issued on refrigerant use in the region.

VI. Administrative Issues (Adjustments and Other Issues)

With the closeout of the China halon project preparation (CPR/HAL/13/PRP/80), an additional adjustment in the amount of \$68,517 should be offset to future approvals.

Annex I Country Development and Institutional Strengthening Unit Highlights

A. Country Developments

Chile

This MAC project has been successfully completed with equipment and training provided to 16 service shops in Santiago in October 1996. Participating shops included those that service refrigerated containers used on ships and those that service air conditioners for large construction vehicles used for mining in the of northern part of the country. R-134a refrigeration has permeated the Chilean market, much more than in other countries where EPA has conducted MACs projects; the reason may be Chile's recent increased imports of vehicles with air conditioning systems already installed. Formerly, air conditioning systems were rarely found in new vehicles unless installed in-country using R-12. The training received excellent media coverage with articles appearing in two major Santiago daily papers as well as television and radio coverage. Participants in the project showed great awareness of the ozone issue, especially the shops who were highly motivated to participate.

China

Commercial Refrigeration:

Equipment and training were provided in August 1997 and a follow-up visit was conducted in January 1998. 30 supermarkets and two commercial refrigeration servicing companies received equipment and training under the project. The servicing companies have found the portable recovery machines and refrigerant tanks to be very useful. Unless the compressor in the refrigeration equipment has burnt out, refrigerant can be recovered into the tanks and reused in the same equipment without the use of recovery/recycling equipment. Although supermarkets previously were employing this approach using large wheeled tanks which they moved around the store, such tanks are not practical for servicing company technicians who must carry their equipment from the service truck into the supermarket. Technicians have also found the leak detectors very useful. The leak detectors provided by the project differ from previously-used equipment in that they can be adjusted to ignore ambient refrigerant levels in equipment rooms, and thus are able to easily detect much smaller leaks.

In accordance with the project implementation plan, the Ministry of Internal Trade is developing a plan, in cooperation with local participating service companies, to initiate a refrigerant recovery and recycling network, whereby MIT and local service companies will collect recovered refrigerant, transfer the refrigerant to central recycling machines, and distribute it for later re-use. The Ministry is gaining valuable experience that is helping them plan national recovery/recycling efforts.

MACs:

Equipment has been procured for 45 MAC shops in southern China. Equipment and training will be provided in June. The project includes several innovative features, including linking project activities in the city of Shanghai to ongoing local efforts to implement refrigerant recovery regulations at MAC service shops, and a cost-sharing system to increase the cost-effectiveness of the project.

Domestic Refrigeration:

Conversion of the refrigerator line is complete and safety certification for the line has been issued. The line is currently producing cyclopentane-152a/22 refrigerator models pending final IEC safety certification of the intended cyclopentane/isobutane refrigerator model. The last tranche of funding for the project will be forthcoming following final review of receipts, safety certification for the isobutane/cyclopentane models, and initial production of these models.

Dominican Republic

MACs:

This project has been successfully completed with equipment and training provided to 27 service shops. The first phase project training workshop was conducted in July 1996. In May 1997, using registration fees charged to first phase project participants, the Dominican government purchased 7 recovery/recycling machines and related equipment so that additional MAC service shops could participate in this project. This second phase equipment was delivered and installed in the shops in July/August 1997, and the local technical support provider has trained the new project participants on the use of the equipment.

Commercial Refrigeration:

This project, focused on recovering refrigerant from supermarkets and small convenience stores, has been successfully completed with equipment provided to 35 refrigeration service shops; in addition, over 50 technicians were trained on the use of the recovery/recycle and related equipment in a workshop held July 1997. EPA and the Dominican government also recruited and established two refrigerant reclaiming centers, a refrigerant purity inspection team at a local technical school, and a local technical support provider to provide warranty, repairs, and training services for the equipment. The commercial refrigeration service shops in the Dominican Republic also service household refrigerators, and the project is also likely to yield benefits through some level of domestic refrigeration recovery/recycling (although these have not been estimated).

Ensuring that recovered refrigerant is reclaimed before reuse has been an issue with the project. The Dominican government is working with the participating shops and the reclamation centers to address both these issues and ensure compliance with the terms of the project.

Guatemala

In an effort to increase the project's cost effectiveness, this MAC project is operating under a two-phase design where EPA and the government of Guatemala recruit and train a small number of service shops in the first phase working closely with a local project partner -- in this case an NGO. The NGO will then conduct the second and much larger phase of the project. The first phase workshop was successfully executed in October. The evaluation mission for the first phase will be held in February, 1998.

Philippines

The project provided equipment and training to 30 metro Manila MAC repair shops in May/June 1997. EPA, UNDP and UNOPS are working with the OPU to resolve reliability problems with the equipment furnished by the project. EPA will be working with UNDP and UNOPS to resolve issues associated with needed repairs. However, those shops with functioning equipment report a very high level of satisfaction, and have reduced refrigerant purchases by 50% as a result of their participation in the project. Project organizers have collected data about the sector which will be valuable in allowing the Philippines to take further action in this sector.

Vietnam

In October 1997, after initiation of substantial portions of the MAC project implementation work in cooperation with the Vietnam OPU, the Government of Vietnam transferred responsibility for project implementation from the OPU (Hydrometeorological Service) to Ministry of Transportation (MOT).

This transfer resulted in a six-month delay in implementation until EPA received a request to resume work on the project from MOT this April 1998. The project will be re-started in May. USEPA will report regularly to the Executive Committee on continued progress with this project.

B. Institutional Strengthening

N/A

Agency	Project Title	Region	Country	Service	Proj	Type	Num	AI	Q1	Q2	Q3	Q4	YTD	Planned	Actual	Diff	Approved	Adj	Balance	Per Cent	Balance	Comments	Year of Contribution
COM	USA	Democratization project in MACs	LAC	DOM	REF	17	DEM	3	A	0	1	0	1	0	0	0	220,000	0	218,000	1.00	1,000	1700 Social phase program: secondarily completed by Dominican. Equipment installed and operating. Final report under preparation.	1993
COM	USA	Democratization project in commercial refrigeration (food storage, distribution and retailing)	LAC	DOM	REF	18	DEM	5	A	0	1	0	1	0	0	0	74,000	0	73,000	0.99	1,000	Completed. Estimated mission completed Nov. 97. Final report under preparation.	1993
FIN	USA	Technical assistance in animal project preparation	LAC	ECU	ASIS	8	PRP	7	A	0	1	0	1	0	0	0	4,000	0	4,000	1.00	0	Completed.	1992
FIN	USA	Feasibility study for reduction of CFC-11 in rigid polystyrene foam insulation for refrigerators using water/CO2 fillulation	LAC	ECU	FOA	2	PRP	8	A	0	1	0	1	0	0	0	41,000	40,000	91,000	1.00	0	Completed. Adjustment of US \$50,000 credited against 1993 contributions (11th Meeting)	1992/1993
FIN	USA	Support for country program preparation	LAC	ECU	SEV	7	CPG	9	A	0	1	0	1	0	0	0	30,000	6,000	36,000	1.00	0	Completed. Adjustment of US \$8,000 credited against 1993 contributions (11th Meeting)	1993
FIN	USA	Assistance in implementation of country program	LAC	ECU	SEV	11	CPG	14	A	0	1	0	1	0	0	0	11,000	0	11,000	1.00	0	Completed.	1993
FIN	USA	Haboa (211) management	LAC	ECU	HAL	13	TRA	16	A	0	1	0	1	0	0	0	38,000	0	38,000	1.00	0	Completed.	1993
FIN	USA	Regional workshop in Haboa (211) training	GLD	GLD	HAL	8	TRA	20	A	0	1	0	1	0	0	0	428,000	0	428,000	1.00	0	Completed.	1992
ONG	USA	Refrigeration, MAC and refrigerant transport	LAC	OLA	REF	19	DEM	10	A	0	1	0	1	0	0	0	120,000	0	120,000	0.92	10,000	18,200 Workshop held in Dec. 97. Evaluation mission planned for Feb. 98.	1993
ONG	USA	Environmental project in MAC	LAC	JAM	REF	25	DEM	7	A	0	1	0	1	0	0	0	130,000	0	130,000	0.00	130,000	130,000 Newly approved project.	1997
FIN	USA	Follow-up to regional Haboa (211) workshop	LAC	LAC	HAL	8	TRA	6	A	0	1	0	1	0	0	0	80,000	0	80,000	1.00	0	Completed.	1992
FIN	USA	Project preparation for low-contaminant countries	LAC	LAC	REF	13	PRP	9	A	0	1	0	1	0	0	0	63,000	0	63,000	1.00	0	Completed.	1994
ONG	USA	Project preparation: Central American Caribbean	LAC	LAC	REF	18	PRP	16	A	0	1	0	1	0	0	0	30,000	0	30,000	0.90	3,000	5,000 Submitted and not yet approved for two projects (22nd Meeting). Additional projects will be submitted for 24th EC Comm Meeting.	1993
FIN	USA	Conference on the distribution of ozone-depleting agents	ASP	MAL	SOL	11	TRA	14	A	0	1	0	1	0	0	0	24,000	0	24,000	1.00	0	Completed.	1993
FIN	USA	Project preparation in the Latin sector	ASP	HAL	HAL	13	PRP	34	A	0	1	0	1	0	0	0	43,000	8	43,816	0.38	28,116	Completed.	1993
FIN	USA	Technical Strengthening	LAC	MEX	SEV	7	INS	16	A	1	1	0	1	0	0	0	245,000	65,000	295,000	1.00	0	Completed. Adjustment of US \$60,000 against 1994 contributions (14th meeting)	1991/1994
FIN	USA	Support for country program preparation and development of project proposals	LAC	MEX	SOL	7	PRP	17	A	0	1	0	1	0	0	0	145,000	138,000	283,000	1.00	0	Completed. Adjustment of US \$16,000 credited against 1993 contributions (11th Meeting)	1991/1993
FIN	USA	Assistance in country program and investment projects preparation	LAC	MEX	SEV	3	CPG	18	A	0	1	0	1	0	0	0	28,000	0	28,000	1.00	0	Completed.	1992
FIN	USA	Chiller hand-on training	LAC	MEX	REF	4	TRA	19	A	0	1	0	1	0	0	0	11,000	250,000	261,000	1.00	0	Completed. Adjustment of US \$250,000 credited against 1993 contributions (11th Meeting)	1992/1993
FIN	USA	Strategic activities program to reduce CFC-113 and methyl chloroform	LAC	MEX	SOL	4	TRA	20	A	0	1	0	1	0	0	0	360,000	338,000	698,000	1.00	0	Completed. Adjustment of US \$18,000 credited against 1993 contributions (11th Meeting)	1992/1993
FIN	USA	Chiller training workshop	LAC	MEX	REF	13	TRA	25	A	0	1	0	1	0	0	0	9,000	0	9,000	1.00	0	Completed.	1994

* "ODP phase-out" numbers are reported for beneficiary projects, as specified for the beneficiary, and beneficiary projects in the MACs and GLD (1994) and other projects are not included in ODP phase-out.

