



**United Nations  
Environment  
Programme**



Distr.  
LIMITED

UNEP/OzL.Pro/ExCom/28/21  
11 June 1999

ORIGINAL: ENGLISH

---

EXECUTIVE COMMITTEE OF  
THE MULTILATERAL FUND FOR THE  
IMPLEMENTATION OF THE MONTREAL PROTOCOL  
Twenty-eighth Meeting  
Montreal, 14-16 July 1999

**UNEP 1999 WORK PROGRAMME AMENDMENTS**

## COMMENTS AND RECOMMENDATIONS FROM THE FUND SECRETARIAT

1. UNEP is requesting approval from the Executive Committee for US \$687,019 for 1999 work programme amendments with agency support costs of US \$89,312.

Table 1  
UNEP 1999 Work Programme Amendments

<u>Country</u>	<u>Activity/Project</u>	<u>Amount Requested</u>	<u>Amount Recommended</u>
		<u>US \$</u>	<u>US \$</u>
Benin	Renewal of institutional strengthening	33,333	33,333
Cameroon	Renewal of institutional strengthening	107,000	107,000
Guatemala	Renewal of institutional strengthening	96,000	96,000
Guinea	Renewal of institutional strengthening	33,333	33,333
Mongolia	Creation of a National Ozone Authority	99,600	66,000
Sudan	Renewal of institutional strengthening	112,200	112,200
Vietnam	Renewal of institutional strengthening	91,520	91,520
Zimbabwe	Renewal of institutional strengthening	114,033	114,033
Sub-Total:		687,019	653,419
Agency Support costs:		89,312	84,944
Total:		776,331	738,363

### **Benin: Renewal of institutional strengthening**

<b>Summary of the Project and Country Profile</b>	
Implementing Agency:	UNEP
Amount originally approved:	US \$50,000
Amount requested for renewal:	US \$33,333
Date of approval of country programme	November 1975
ODS consumption reported in country programme (1993), (ODP Tonnes)	37.1
Latest reported ODS consumption (1997) (ODP tonnes)	28.6
Baseline (1995-1997) (ODP tonnes)	27.1
Amount approved (as of March 1999) (US US \$)	US \$259,543
Amount disbursed (as at December 1997) (US US \$)	US \$133,044
ODS to be phased out (tonnes ODP)	13
ODS phased out (as at December 1997) (tonnes ODP)	13

2. The following activities have been approved and funded by the Executive Committee:

(a)	Country programme preparation	US \$35,000
(b)	Institutional strengthening	US \$50,000
(c)	Project preparation	US \$60,543
(d)	Refrigerant recovery and recycling scheme	US \$114,000
	Total:	US \$259,543

### Progress Report

3. The main achievements reported in the progress report include: a reduction in the consumption of ODS from 37.1 tonnes ODP in 1993 to 29.3 in 1997; assistance in the preparation of a foam project to convert to non-ODS technologies (submitted for the consideration of the Executive Committee at its 28<sup>th</sup> Meeting); assistance in the training programme for refrigeration service technicians; initiate actions for the implementation of the

RMP project approved at the 27<sup>th</sup> Meeting; and implementation of an information campaign to sensitise the population on issues related to the ozone layer.

Plan of action:

4. The Action Plan includes: training for 400 refrigeration technicians under the RMP, including methods of recovery and recycling techniques for CFCs; implementation of the foam investment project (if approved); implementing a ban on CFC-based equipment; continuing with the implementation of training programmes for technicians and information dissemination campaigns; and putting into place measures to regulate the importation of CFC-based equipment; study the feasibility for reconversion of industrial and commercial refrigeration systems; the setting up of a refrigeration technical centre; and evaluation of the effectiveness of the 1999 freeze.

Fund Secretariat's recommendations

5. The Fund Secretariat recommends blanket approval of the project in the amount of US \$33,333 with associated support costs of US \$4,333.

**Cameroon: Renewal of institutional strengthening**

Summary of the Project and Country Profile		
Implementing Agency:		UNEP
Amount originally approved:	November 1993:	US \$161,000
	May 1997:	US \$107,000
Amount requested for renewal:		US \$107,000
Date of approval of country programme		March 1993
ODS consumption reported in country programme (1991), (ODP Tonnes)		280.4
Latest reported ODS consumption (1997) (ODP tonnes)		285.3
Baseline (1995-1997) (ODP tonnes)		256.9
Amount approved (as of March 1999) (US US \$)		US \$4,936,007
Amount disbursed (as at December 1998) (US US \$)		US \$3,467,393
ODS to be phased out (tonnes ODP)		427
ODS phased out (as at December 1998) (tonnes ODP)		177

6. The following non-investment activities have been approved and funded by the Executive Committee:

(a)	Country programme preparation	US \$33,000
(b)	Project preparation	US \$149,287
(c)	Training	US \$20,200
	Total:	US \$202,487

Progress Report

7. The main achievements reported in the progress report include: reporting on ODS consumption and providing information on on-going investment projects and the institutional strengthening project; providing information to enterprises using ODSs on Government measures directed at the protection of the ozone layer and on ODS alternatives; assistance to organizations and industries using ODSs on filling in documentation for their importation; publication of the newsletter "Ozone News Update"; and promotion of education and awareness activities.

Plan of action:

8. The plan of action for the next period includes: reporting of data on ODS consumption; preparation and transmission of progress and financial reports to the implementing agencies; monitoring the implementation of decision 0064/MINDIC/CAB regulating the consumption of ODS; follow-up on the implementation of Decision 9845/MINIC/CAB banning the importation of equipment containing ODS; declaration of ODS equipment to be imported; implementation and monitoring investment projects in the refrigeration and foam sectors and the demonstration project on alternative technologies on methyl bromide for tobacco and tomatoes; preparation of new investment projects; studies to elaborate the creation of a national centre for recovery and recycling of CFCs refrigerants; study on halon management; publication of a newsletter; awareness meetings with vendors and users of CFCs and NGOs, students, customs officers on issues related to the ozone layer; and publicity for events through radio, televisions, posters, newsletters to mark the international day for the protection of the ozone layer.

Fund Secretariat's recommendations

9. The Fund Secretariat recommends blanket approval of the project in the amount of US \$107,000 with associated support costs of US \$13,910.

**Guatemala: Renewal of institutional strengthening**

<b>Summary of the Project and Country Profile</b>		
Implementing Agency:		UNEP
Amount originally approved:	June 1993:	US \$172,000
	May 1997:	US \$96,000
Amount requested for renewal:		US \$96,000
Date of approval of country programme		June 1993
ODS consumption reported in country programme (1991), (ODP Tonnes)		284.9
Latest reported ODS consumption (1997) (ODP tonnes)		222.6
Baseline (1995-1997) (ODP tonnes)		144.8
Amount approved for investment projects (as of March 1999) (US US \$)		US \$2,044,973
Amount disbursed (as at December 1998) (US US \$)		US \$1,240,619
ODS to be phased out (tonnes ODP)		159
ODS phased out (as at December 1998) (tonnes ODP)		28

10. The following non-investment activities have been approved and funded by the Executive Committee:

(a)	Country programme preparation	US \$33,000
(b)	Project preparation	US \$112,810
(c)	Technical assistance	US \$276,780
(d)	Training	US \$104,000
	Total	US \$526,590

Progress Report

11. The main achievements reported in the progress report include: ODS consumption data updated in 8 subsectors (aerosols, halons, solvents, foam, air-conditioning and MAC, methyl bromide); promulgation of regulations prohibiting the use of CFCs in aerosols; setting up of ODS coordinating Committee by Government decree; establishment of an Ozone Seal and

phaseout schedule of each controlled substance used in the country; issuing of Law 110-97 regulating and banning the import and use of ODSs; meetings with importers and distributors of CFCs; publication of press articles, manuals in good maintenance practices, ozone protection and new refrigerants, bulletins, children's' flyers, brochures.

Plan of action:

12. The Action Plan for the following two years includes: establishment of an ODS data centre in the customs authority; design of a licensing system; assessment of the train the trainers programme for refrigeration technicians; follow-up on the recovery and recycling of refrigerants project, and implementation of a technicians' certification programme and activities related to the RMP; report on results of the methyl bromide demonstration project; assistance in project preparation in the solvents sector; documentation and ODS freeze promotion on TV and radio.

Fund Secretariat's recommendations

13. The Fund Secretariat recommends blanket approval of the project in the amount of US \$96,000 with associated support costs of US \$12,480.

**Guinea: Renewal of institutional strengthening project**

<b>Summary of the Project and Country Profile</b>	
Implementing Agency:	UNEP
Amount originally approved:	US \$50,000
Amount requested for renewal:	US \$33,333
Date of approval of country programme	November 1995
ODS consumption reported in country programme (1993), (ODP Tonnes)	32.28
Latest reported ODS consumption (1998) (ODP tonnes)	41.8
Baseline (1995-1997) (ODP tonnes)	68.2
Amount approved (as of March 1999) (US US \$)	US \$213,780
Amount disbursed (as at December 1998) (US US \$)	US \$140,870
ODS to be phased out (tonnes ODP)	13
ODS phased out (as at December 1998) (tonnes ODP)	13

14. The following non-investment activities have been approved and funded by the Executive Committee:

(a)	Project formulation of investment projects in the foam sector	US \$20,000
(b)	Development of refrigerant management plan	US \$20,000
(c)	Refrigerant recovery and recycling scheme	US \$80,780
(d)	Country programme preparation	US \$43,000
	Total:	163,780

Progress Report

15. The main achievements reported in the progress report include: directives to local authorities, importers and users of ODS in line with the obligations of the Montreal Protocol; completion of conversion project at Sonit Peche; implementation of the training programme for 120 refrigeration technicians in recovery and recycling operations; development and

implementation of rules and regulations on ODS issues; and exchange of information with members of the ODSNET network.

#### Plan of Action

16. The Action Plan for the next period includes: continuing with implementation of the training programme in the refrigeration sector; preparation of legislation dealing with the ozone layer; plans to assist enterprises to convert to non-ODS technologies; continue with collection and dissemination of information and public awareness campaigns to sensitize the local public on ODSs.

#### Fund Secretariat's recommendations

17. The Fund Secretariat recommends blanket approval of the project in the amount of US \$33,333 with associated support costs of US \$4,333.

#### **Mongolia: Creation of a National Ozone Authority (Institutional Strengthening) (US \$99,600)**

18. The Mongolia country programme submitted for consideration by the Executive Committee at its 28<sup>th</sup> Meeting (UNEP/OzL.Pro/ExCom/28/51) includes a project for the establishment of an Ozone Unit within the Ministry of Nature and the Environment (institutional strengthening). The Government of Mongolia is requesting a total of US \$99,600 for the implementation of this project.

19. The main responsibilities of the Ozone Office is to provide information on the Montreal Protocol, phase-out schedules, regulations and general information to enable Mongolia achieve its goals as outlined in the Country Programme; assist in the implementation and monitoring of projects within the RMP; monitor the implementation of the country programme activities; provide the public with information on new developments under the Montreal Protocol as well as alternatives to ODS; submit annual reports on ODS consumption to the Ozone Secretariat; conduct surveys to access information on the use of ODS and alternatives; liaise with industry, stakeholders, ministers and government agencies as necessary; enhance data collection and reporting procedure through introduction of an import of ODS; establish an Application Permit system to control import/export/use of ODS and, if necessary, introduce monetary instruments on the use of non-ODS based goods and ODS alternatives; initiate voluntary agreements with industries under which they commit to change to alternatives without further action from the government.

20. Based on analysis of similar projects so far approved by the Executive Committee, current market prices of office equipment and software, the Fund Secretariat and UNEP agreed on a budget of US \$66,000 for a three-year period.

#### Fund Secretariat's recommendations

21. The Fund Secretariat recommends blanket approval of the project in the amount of US \$66,000 with associated support costs of US \$8,580.

**Sudan: Renewal of institutional strengthening project**

<b>Summary of the Project and Country Profile</b>	
Implementing Agency:	UNEP
Amount originally approved:	US \$168,300
Amount requested for renewal:	US \$112,200
Date of approval of country programme	March 1994
ODS consumption reported in country programme (1991), (ODP Tonnes)	601.0
Latest reported ODS consumption (1998) (ODP tonnes)	301.5
Baseline (1995-1997) (ODP tonnes)	456.8
Amount approved for investment projects (as of March 1999) (US US \$)	US \$953,140
Amount disbursed (as at December 1998) (US US \$)	US \$793,511
ODS to be phased out (tonnes ODP)	304.7
ODS phased out (as at December 1998) (tonnes ODP)	303

The following non-investment activities have been approved and funded by the Executive Committee:

(a)	Preparation of investment projects	US \$105,000
(b)	Country programme preparation	US \$10,000
	Total:	US \$125,000

Progress Report

22. The main achievements reported in the progress report include: the identification of four projects in the refrigeration, aerosol and foam sectors currently under implementation; discussion with representative from industry; facilitate missions of the implementing agencies for preparation of phaseout projects; monitor the on-going phaseout investment projects; implementation of an ODS phaseout schedule with a proposed phaseout by the year 2007; developed a monitoring mechanism to control ODS import and consumption, completed a survey on refrigeration servicing workshops and development of the RMP aimed at phasing out 200 tonnes of CFC; conducted public awareness activities (meetings, seminars radio and TV programmes, articles an public notes in the newspaper) and facilitated the participation of national candidates in a number of training activities.

Plan of Action:

23. The Action Plan for the next period involves: organizing meetings and consultations with industry associations; monitoring the imports and trade of ODS and related equipment; holding workshops for national customs officials on monitoring and import control of ODS; enforcing regulatory and legislative measures for phasing out ODS; regulate the use of new controlled substance; implementing recovery and recycling of refrigerants operations; introducing a license system for refrigeration and operators; finalizing a study on halons; preparing a range of small projects in refrigeration, aerosols and foams sectors; exchanging information and experience on the state of alternatives to ODS and on the role of legislation; incorporating a post project follow-up strategy; finalizing and processing at the Ministry of Environment all essential documents for ratification of the London and Copenhagen Amendments to the Protocol; holding a national workshop in the implementation of the Protocol; organizing public awareness and training programmes; and representing Sudan at international and regional meetings on ozone layer protection issues.

Fund Secretariat's Recommendations

24. The Fund Secretariat recommends blanket approval of the project in the amount of US \$112,200 with associated support costs of US \$14,586.

**Vietnam: Renewal of institutional strengthening**

<b>Summary of the Project and Country Profile</b>	
Implementing Agency:	UNEP
Amount originally approved:	US \$137,280
Amount requested for renewal:	US \$91,520
Date of approval of country programme	May 1996
ODS consumption reported in country programme (1993), (ODP Tonnes)	699.8
Latest reported ODS consumption (1998) (ODP tonnes)	442.3
Baseline (1995-1997) (ODP tonnes)	500
Amount approved (as of March 1999) (US US \$)	US \$2,755,883
Amount disbursed (as at December 1998) (US US \$)	US \$1,500,841
ODS to be phased out (tonnes ODP)	260
ODS phased out (as at December 1998) (tonnes ODP)	120

25. The following non-investment activities have been approved and funded by the Executive Committee:

(a)	Country programme preparation	US \$51,237
(b)	Preparation of investment projects	US \$207,323
(c)	Technical assistance	US \$40,000
(d)	Training programmes	US \$27,000
	Total	US \$325,560

Progress Report

26. The main achievements reported in the progress report include: the development of policies, plans and measures to advance the phaseout of ODS consumption; advise the Government and industry on impacts of adjustments and amendments to the Montreal Protocol; coordination with the implementing agencies in the formulation, development monitoring and evaluation of projects; dissemination of technical information on ODS related matters; monitoring of ODS imports, exports and uses; public awareness; setting up of a mechanism and infrastructure to promote recovery and recycling of ODS. Surveys have been conducted on CFC consumption in the aerosol, foam, halon, refrigeration, MACs and methyl bromide sectors. A comprehensive legal system has been set up to monitor and control ODS import and consumption, and laws and regulations have been promulgated; and co-operated with the Hanoi University of Technology to publish a book "Refrigerants and Ozone Layer Protection Issues."

Action Plan

27. The Action Plan for the next period includes: improving the ODS monitoring and control system; formulation of a license system for import of ODS; formulation of an umbrella project for SMEs; update of the country programme; formulation of the RMP and the halon management plan; establishment of working groups on refrigeration, solvent, halons, and methyl bromide sectors; establishment of an ozone information centre; technology capacity to consolidate the



current network observation of the total ozone and UV-B in Vietnam; organization of public awareness courses, programmes, preparation of handbooks for industry, design of short films for TV, organizing of annual ozone awards and calling on companies to use “ozone friendly” technologies.

#### Fund Secretariat’s recommendations

28. The Fund Secretariat recommends blanket approval of the project in the amount of US \$91,520 with associated support costs of US \$11,898.

#### **Zimbabwe: Renewal of institutional strengthening**

<b>Summary of the Project and Country Profile</b>	
Implementing Agency:	UNEP
Amount originally approved:	US \$171,050
Amount requested for renewal:	US \$114,033
Date of approval of country programme	July 1994
ODS consumption reported in country programme (1993), (ODP Tonnes)	223.4
Latest reported ODS consumption (1998) (ODP tonnes)*	1,263.6
Baseline (1995-1997) (ODP tonnes)	451.4
Amount approved (as of March 1999) (US US \$)	US \$2,008,666
Amount disbursed (as at December 1998) (US US \$)	US \$1,004,012
ODS to be phased out (tonnes ODP)	83
ODS phased out (as at December 1998) (tonnes ODP)	66

\* Including 840 ODP tonnes of methyl bromide

29. The following non-investment activities have been approved and funded by the Executive Committee:

(a)	Country programme preparation	US \$40,000
(b)	Preparation of investment projects	US \$178,000
(c)	Technical assistance	US \$357,387
	Total	US \$575,387

#### Progress Report

30. The main achievements reported in the progress report include: preparation of policies, regulations and agreements on ODS issues; preparation of investment projects; guidance to local authorities on ODS alternatives; monitoring ODS consumption and use; assistance in the development and implementation of the RMP and the demonstration project on methyl bromide alternatives on soil fumigation; formation of a refrigeration association; public awareness activities, and celebration of three World Ozone Day commemorations.

#### Plan of Action

31. The Plan of action for the next period involves: issuing ODS regulations for controlling ODS import and exports; training of Customs officers in improved detection of illegal ODS; training refrigeration technicians in better refrigeration practices; holding a media workshop for improved press and electronic coverage of issues related to the Montreal Protocol; continue with public awareness campaigns, World Ozone Day commemoration, and information dissemination on ODS alternatives.

Fund Secretariat's recommendations

32. The Fund Secretariat recommends blanket approval of the project in the amount of US \$114,033 with associated support costs of US \$14,824.