



**United Nations
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Programme**



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EXECUTIVE COMMITTEE OF
THE MULTILATERAL FUND FOR THE
IMPLEMENTATION OF THE MONTREAL PROTOCOL
Twenty-third Meeting
Montreal, 12-14 November 1997

COUNTRY PROGRAMME: COMOROS

This document consists of:

- Country Programme Evaluation Sheet (prepared by the Fund Secretariat)
- Comments and Recommendations of the Fund Secretariat
- Transmittal Letter from the Government of Comoros
- Country Programme Cover Sheet
- Country Programme (Executive Summary)

COMOROS COUNTRY PROGRAMME EVALUATION SHEET

National Ozone Unit, Ministry of Production

Status of ratification of the Vienna Convention and the Montreal Protocol

	Signature	Ratification	Entry into force
Vienna Convention (1985)		31-Oct-94	29-Jan-95
Montreal Protocol (1987)		31-Oct-94	29-Jan-95
London Amendment (1990)		31-Oct-94	29-Jan-95
Copenhagen Amendment (1992)			

Production of controlled substances: No controlled substances produced

Consumption of controlled substances (1996) 3.5 metric tonnes
3.2 weighted tonnes (ODP)

(tonnes)	CFC-11	CFC-12	CFC-113	CFC-114	CFC-115	TOTAL Halon1211	Halon1301	TOTAL	CTC	MCF	TOTAL	Me-Br
ODS	0.1	2.7			0.7	3.5						
ODP	0.1	2.7			0.4	3.2						

Distribution of ODP by substance: CFC 100.0% Halon CTC and MCF

Distribution of ODP by sector: Aerosol Foam Halon Refrigeration Solvent Other

Consumption (ODP tonnes): 0.0 0.0 0.0 3.2 0.0 0.0

Percent of total: 100.0%

Country Programme

Duration of country programme: 11 years (1998-2008)

ODS phase out target: Complete phase-out by 2008

Phase out priority area: Refrigeration servicing sector

Cost of activities in country programme: \$97,800

Strategy:

The Government's strategy will be dependent on public awareness and training in order to attain reduction of ODS used and vented during equipment maintenance and repairs; monitoring of import of ODS products and equipment containing ODS; incentives to use ODS alternatives; ban on imports of new or used equipment operating with ODS; and recovery and recycling of refrigerants at the major servicing workshops. Existing legislation will be used primarily and enactment texts will be defined, where necessary, to meet the objectives of the proposed ODS phase out action plan.

COMMENTS AND RECOMMENDATIONS OF THE FUND SECRETARIAT

COMMENTS

1. The Country Programme conforms to the format of the approved guidelines. The total ODS consumption in the country is estimated at 3.45 metric tonnes of CFCs used for servicing refrigeration equipment and MAC units.
2. Servicing and maintenance of refrigeration equipment is undertaken by 22 private service workshops located on the three islands of the archipelago. While none of the workshops have qualified service personnel, most of the technicians have practical experience.
3. The country programme includes a project for the establishment of an Ozone Unit within the Ministry of Production (institutional strengthening). The Government of Comoros is requesting a total of US \$27,800 for the implementation of this project.
4. The main responsibilities of the Ozone Unit would include: formulation, implementation and monitoring of a Refrigeration Management Plan and the associated projects for policies, strategies, laws, regulations, incentives, agreements with the private sector and implementation of other measures required for phase out of ODS; managing public awareness campaigns; serving as a point of contact for the Multilateral Fund, Montreal Protocol and other implementing agencies; reporting annually to the Ozone Secretariat on the CFC consumption in the country according to Article 7 of the Montreal Protocol; and reporting annually to the Executive Committee on the progress in the implementation of the Country Programme.
5. A project proposal for the preparation of a national refrigerant management plan by UNEP is included in the country programme. UNEP will submit the request separately to the Executive Committee at a future meeting.

RECOMMENDATIONS

The Fund Secretariat recommends as follows:

1. To approve the Comoros Country Programme. Approval of the Country Programme does not denote approval of the projects identified therein or their funding levels.
2. To request the Government of Comoros to present annually information to the Executive Committee on progress being made in the implementation of the country programme, in accordance with the decision of the Executive Committee on implementation of country programmes (UNEP/OzL.Pro/ExCom/10/40, para 135). Using the approved format, the initial report, covering the period 15 November 1997 to 31 December 1998, should be submitted to the Fund Secretariat no later than 31 March 1999.

3. To approve the amount of US \$27,800 and US \$3,614 support cost for institutional strengthening to be included in UNEP's 1997 work programme. To request UNEP to proceed with the disbursement of the first one-year tranche of the funds approved for institutional strengthening, but subsequent disbursements to be contingent on the submission of a report to the Executive Committee on the status of development of a refrigerant management plan (Decision 20/4).

**REPUBLIQUE FEDERALE ISLAMIQUE
DES COMORES**

Moroni, le 01 Septembre 1997

**MINISTRE DE LA PRODUCTION AGRICOLE
DES RESSOURCES MARINES ET DE L'ENVIRONNEMENT**

N° 97 - 210 - IMPARNE

Le Ministre,

Docteur O. El Arini
Chef du Secrétariat,
Secrétaire du Fonds Multilatéral
aux fins de l'application du Protocole de Montréal,
1800 Mc Gill College Avenue, 17ème Etage,
Montréal, Québec,
H3A 3J6 Canada.

**Objet : Soumission du Programme de Pays de la République Fédérale Islamique des
Comores**

Cher Docteur El - Arini,

La République Fédérale Islamique des Comores adhère au Protocole de Montréal le 31 Octobre 1994.

La consommation de la R.F.I. des Comores étant inférieure à 0,3 kg / habitant (La consommation est en fait de l'ordre de 0,006 kg / habitant), elle est donc visée par les dispositions du paragraphe 1 de l'article 5 du Protocole.

Nous avons l'honneur de vous transmettre, pour approbation et financement, notre Programme de Pays. Celui-ci, réalisé sous la direction du Ministère DE LA Production avec l'assistance du Programme des Nations Unies pour l'Environnement (Industrie et Environnement), a permis l'élaboration d'une stratégie qui prévoit un plan et par la suite la réalisation de projets.

Ces projets vont permettre l'élimination totale des substances qui appauvrissent la couche d'ozone d'ici à l'an 2008.

Le Gouvernement a approuvé l'ensemble des actions contenues dans le présent Programme de Pays et s'assurera que la mise en oeuvre se fera en accord avec les dispositions du Protocole de Montréal.

Ainsi, il pourra être modifié et soumis une nouvelle fois à l'approbation du Comité Exécutif du Fonds Multilatéral si d'autres actions s'avéraient nécessaires au bon respect du protocole.

En attendant, nous espérons que le Comité Exécutif du Fonds Multilatéral approuvera, lors de sa 22ème réunion, le présent programme de Pays et financera les projets qui y sont contenus.

Les projets proposés sont :

- Projet de renforcement des institutions.
- Développement d'un Plan de Gestion de Frigorigènes

Nous vous prions d'agréer, Chef Docteur El - Arini, notre haute considération

LE MINISTRE

ISSAMUDIN A LAINE



Country Programme Cover Sheet

Country: Islamic Federal Republic of the Comoros

Lead National Agency: Directorate General for the Environment

Lead Implementation Agency: UNEP

Period covered by Country Programme: 1998-2008

Date received:

1. Phase-out schedule

Substances	Current consumption (tonnes x ODP) in 1996	Planned total consumption until phase-out (tonnes x ODP)	Planned year phase-out
CFC 11	0.11	0.25	1999
CFC 12	2.69	20	2008
CFC 115 (in R502)	0.39	2.03	2000
Total	3.19	22.28	

2. Government Action Plan

Year	Description of action	Sector	Intended Effect
1997	Ban on import of new or used equipment containing CFCs	Refrigeration	Reduction of CFCs in CFC equipment
1997	Rationalisation of customs duties to encourage substitution products	Refrigeration	Reduction of CFCs
1998	Public awareness, education	All	Reduction of usage of obsolete equipment
1998-2000	Creation of the National Ozone Office	All	Strengthening of institutions
1998	Import quotas for ODS	Refrigeration	Reduction of imports and encouragement for recovery and recycling
1998	Development of a refrigerant management plan	Refrigeration	Better management of ODS
1998	Training of refrigeration technicians and customs officers	All	Better management of ODS

3. Project Summary

Year	Project description	Project cost (US \$)	Funding requested from MF	Implementing agencies
1998-2000	Institutional Strengthening	77,800	27,800	UNEP
1998	Refrigerant Management plan	20,000	20,000	UNEP
TOTAL		97,800	47,800	

4. Costs

Cost of activities and projects in Country Programme	US\$ 97,800
Multilateral Fund contribution sought through this Country Programme	US\$ 47,800
Estimated cost effectiveness	US\$ 30.7/kg

SUMMARY

The Government of the Islamic Federal Republic (IFR) of Comoros ratified the Vienna Convention for the Protection of the Ozone Layer and the Montreal Protocol on 31 October 1994. The Convention and the Protocol then came into force in the country on 31 January 1995.

In 1996, the IFR of the Comoros consumed 3.19 ODP tonnes of Annex A substances. The total population in 1996 was estimated to be 510,000, resulting in a per capita consumption of 0.006 kg. Consequently, the IFR of the Comoros is classified as a country operating under Article 5, paragraph 1 of the Montreal Protocol and therefore can benefit from technical and financial assistance under the Multilateral Fund.

The IFR of the Comoros neither produces nor exports ODS or ODS containing equipment and relies on imports from the countries of the Persian Gulf and from South Africa. The ODS imported are CFC 11, CFC 12, R502 and HCFC 22.

The Ministry of Production which, through the Directorate General for the Environment (DGE), is in charge of implementing the Country Programme. The DGE will establish a National Ozone Unit which will be responsible for coordinating the various elements of the action plan.

Government strategy will focus on establishing stricter import controls, encouraging the use of ODS substitutes, promoting systematic recovery and recycling of refrigerants and enhancing public awareness and training for the phase-out of ODS consumption. The Government will use existing legislation and, where necessary, issue the enactment texts required for meeting these objectives.

The Action Plan includes banning the import of new or used equipment containing or using ODS as from January 1998. It also includes the introduction of a decreasing quota in the import of ODS, using tariffs through customs duties to discourage the use of ODS and promoting recovery and recycling.

Freeze in consumption of CFCs will be affected in accordance with the Montreal Protocol, i.e. as of 1 July 1999 and phase-out of ODS is planned by 2008.

The projects included in this Country Programme amount to US\$ 97,800, of which US \$39,800 is being sought from the Multilateral Fund.

ANNEX 1

PROJECT No. 1

Institutional Strengthening

- | | |
|------------------------------------|--|
| 1. Type of Project: | Establishment of the National Ozone Unit |
| 2. Country: | IFR of the Comoros |
| 3. Executing body: | Ministry of Production |
| 4. Duration of the project: | 3 years (1998 –2000) |
| 5. Implementing agency: | UNEP IE |
| 6. Sectors concerned: | All |
| 7. Consumption of ODS: | 3.19 ODP tonnes in 1996 |
| 8. Proposed budget: | US \$27,800 |

9. Project description

The project will enable the establishment of the National Ozone Unit which will implement the national strategy and the action plan contained in this Country Programme.

The main activities to be undertaken by this project are as follows:

- ensure compliance of commitments made by the Government with regard to phase-out of ODS
- encourage conservation of ODS and promote use of ODS substitutes;
- disseminate latest information on ODS alternatives and technologies;
- identify potential candidates for training and assist in formulating and implementing training programmes;
- organise and conduct seminars and other public awareness' activities;
- monitor and coordinate the development and implementation of Refrigerant Management Plan and all its elements
- liaise with industry representatives regarding problems and solutions related to implementation of the Montreal Protocol;
- update and modify the action plan to speed up the phase-out of ODS;
- exchange of information with other agencies and countries to obtain greater knowledge of issues related to ODS;
- develop and implement import licensing system for ODS
- submit annual reports to the Secretariat of the Ozone Commission on ODS consumption;
- submit reports on this project to UNEP
- submit annual reports on progress achieved in Country programme implementation to the Multilateral Fund Secretariat

The NOU will establish a timetable for priority action and make initial use of existing legal means to establish machinery for checking imports, the codification of merchandise according to the Brussels harmonised system and the ban on the import of new or used CFC equipment.

It will ensure that the Government fulfils its responsibilities with regard to the provisions of the Montreal Protocol, while keeping the relevant authorities informed of progress achieved in the implementation of the Country Programme.

10. Project budget

The Government of Comoros recognises that its ODS consumption is quite small and is prepared to contribute approximately US \$50,000 to this project. This in-kind contribution will be related to:

- (a) Salaries of staff
 - of the DGE attached to the NOU;
 - other departments contributing to the implementation of the project;
 - assigned to field surveys and the gathering of data;
- (b) Cost of premises of the NOU;
- (c) communication and travel between the islands;
- (d) establishment of new machinery for monitoring imports and the related administrative costs.

UNEP's Regional Network Coordinator for Africa will assist the NOU in the implementation of the Country Programme and the various data reporting requirements.

Financial assistance is also being requested from the Multilateral Fund, amounting to US \$27,800.

The budget covers the following expenditure:

Expenditure	1st year	2nd year	3rd year	Total US \$	in
1. Personal computer with modem, UPS, printer and software	5,000			5,000	
2. Fax machine	1,000			1,000	
3. Photocopying machine	2,000			2,000	
4. Incentives for Coordinator of NOU	3,600	3,600	3,600	10,800	
5. Operating expenses (local and inter-island travel, organisation of meetings, public awareness campaigns, telecommunications, office supplies and maintenance of equipment)	3,000	2,000	2,000	7,000	
Contingency	1,000	500	500	2,000	
Total in US \$	15,600	6,100	6,100	27,800	