



**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-second Meeting
Nairobi, 28-30 May 1997

COUNTRY PROGRAMME: GABON

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 Gabon
- Country Programme Cover Sheet
- Country Programme (Executive Summary)

GABON COUNTRY PROGRAMME EVALUATION SHEET

National Ozone Technical Group, Ministry of Environmental Planning and Tourism

Status of ratification of the Vienna Convention and the Montreal Protocol

Vienna Convention (1985)	Signature	Ratification	Entry into force
Montreal Protocol (1987)		09-Feb-94	10-May-94
London Amendment (1990)		09-Feb-94	10-May-94
Copenhagen Amendment (1992)			

Production of controlled substances: No controlled substances produced

Consumption of controlled substances (1995) 86.0 metric tonnes
95.3 weighted tonnes (ODP)

(tonnes)	CFC-11	CFC-12	CFC-113	CFC-114	CFC-115	TOTAL Halon1211	Halon1301	TOTAL	CTC	MCF	TOTAL	Me-Br
ODS	13.8	60.0			9.8	83.6	1.2	1.2	2.4			
ODP	13.8	60.0			5.9	79.7	3.6	12.0	15.6			

Distribution of ODP by substance: CFC 83.6% Halon 16.4% CTC and MCF

<i>Distribution of ODP by sector:</i>	Aerosol	Foam	Halon Refrigeration	Solvent	Other
Consumption (ODP tonnes):	0.0	0.0	15.6	79.7	0.0
Percent of total:			16.4%	83.6%	

Country Programme

Duration of country programme: 3 years (1997-1999)

ODS phase out target: Phase out of halons by 1998, complete phase out by 2005

Phase out priority area: Refrigeration servicing and halon sectors

Cost of activities in country programme: \$206,200

Strategy:

The Government strategy is to minimize consumption of controlled substances by establishing appropriate regulations and efficient control measures, particularly regarding importation of ODS and equipment containing ODS, implementing training programmes and public awareness campaigns, and developing a national refrigerant management plan. The Government is proposing a gradual elimination in the consumption of CFCs to achieve a complete phase out by the end of 2005.

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 86 metric tonnes, mainly CFC-11, CFC-12 and CFC-115 used for servicing refrigeration equipment and 1.2 metric tonnes of each halon-1211 and halon 1301 used in the petroleum and mining industries.
2. CFCs are not being used as a propellant by the only enterprise manufacturing aerosol products. The three foam manufacturing companies identified during the preparation of the country programme are using methylene chloride as the blowing agent. No industry or industrial process using ODS as solvents were identified during the preparation of the country programme.
3. The country programme includes a project for the establishment of a National Ozone Technical Office within the Ministry of Environmental Planning and Tourism (institutional strengthening). The Government of Gabon is requesting a total of US \$45,600 for the implementation of this project.
4. The main responsibilities of the Ozone Unit would include: formulating, implementing and monitoring the refrigeration management plan, reviewing current legislation to comply with the provisions of the Montreal Protocol, coordinating training and public awareness programmes, and facilitating the government's data reporting obligations under the Montreal Protocol.
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 Gabon 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 Gabon 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 31 May 1997 to 31 December 1997, should be submitted to the Fund Secretariat no later than 31 March 1998.
3. To approve the amount of US \$45,600 and US \$5,928 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).

MINISTERE DE LA PLANIFICATION,
DE L'ENVIRONNEMENT
ET DU TOURISME

CABINET DU MINISTRE

N° 0042 /MPET/CAB-

REPUBLIQUE GABONAISE
UNION-TRAVAIL-JUSTICE

Libreville, le 02 AVR. 1997

Le Ministre de la Planification, de
l'Environnement et du Tourisme

- LIBREVILLE -

/- l'attention du Docteur El-Arini
Chef du Secrétariat
Secrétariat du Fonds Multilatéral
aux fins de l'Application du Proto-
cole de Montréal

OBJET : Programme de Pays du Gabon

Cher Docteur El-Arini,

Le Gabon a ratifié le Protocole de Montréal le 18 Mars 1993.

La consommation du Gabon étant inférieure à (0,09 kg/habitant), il est donc visé 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 Planification, de l'Environnement et du Tourisme 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 d'action 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 2005.

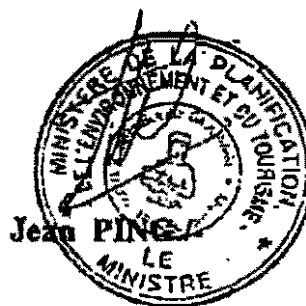
Le Gouvernement a approuvé l'ensemble des actions contenues dans le présent programme de pays, et assurera que la mise en oeuvre se fera en accord avec les dispositions du Protocole de Montréal. Ainsi, il pourra être modifié et soumis une nouvelle fois à l'approbation du Comité Exécutif du Fonds Multilatéral 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,
- mise en place d'un plan de gestion des frigorigènes (P G F),
- autres projets / Halons.

Nous vous prions d'agréer, cher Docteur El-Arini, l'assurance de notre haute considération.



FACT SHEET

Country: GABON

Received: March 1997

National Coordinating Body : Ministry of Planning,
Environment and Tourism

Period covered by Country Programme: 1997 - 1999

Implementing Agency: UNEP

1 Phase-out Calendar

ODS	Annual Consumption (1995) (ODP tonnes)	Consumption until phase-out (ODP tonnes)	Phase-out year
CFC 11 (ODP = 1,0)	13.8	45	2000
CFC 12 (ODP = 1,0)	60.0	300	2005
CFC 115 (ODP = 0,6)	5.9	30	2005
Halons 1211 (ODP = 3,0)	3.6	6,3	1998
Halon 1301 (ODP = 10,0)	12	21	1998
Total	95.3	402.3	-

2- Government Action Plan

Year	Description of action	Sector	Expected Results
1997-1999	Preparation, adoption and enactment of legislation	All	ODS Reduction
1997-1999	Control of ODS imports and products containing same	All	ODS Reduction
1997-1999	Public information policy and training activities for users	All	ODS Reduction
1997-1998	Development and Implementation of Refrigerant Management Plan	Refrigeration	ODS Reduction
1997-1999	Institutional Strengthening	All	Improved management and co-ordination

3- Projects

- Project to be submitted for financing:

Year	Project	Cost (US \$)	Amount requested from Multilateral Fund	Implementing Agency
1997-1999	Institutional Strengthening	120 600	45 600	UNEP
1997	Development of RMP	20 000	20 000	UNEP

Projects for future submission to be defined after implementation of the RMP

4- Costs / Benefits

Cost of Country Programme Activities:	US\$ 140 600
Amount requested from Multilateral Fund:	US\$ 65 600
Estimated cost of total phase-out:	US\$ 206 200
Estimated cost-effectiveness :	2.16 US\$ / kg

SUMMARY

The government of the Republic of Gabon has ratified the Vienna Convention for the Protection of the Ozone Layer and the Montreal Protocol on ozone-depleting substances on 9th February 1994.

The Gabon government has clearly expressed its support to this approach, in particular through the message of the First National Ozone Seminar which took place in Libreville on 12th August 1996.

The National Ozone Technical Group and the National Ozone Commission have been set up and integrated into the institutional structure of the country (see proposed decrees).

Gabon's industrial structure is based on the exploitation of its natural resources (forestry, mining, oil, fisheries).

Exports and imports are by sea (Owendo and Port-Gentil) and by air (Libreville).

ODS consumption (CFC 12, CFC 11, CFC 115) is estimated at 83.6 tonnes in 1995 (estimate based on imports) with an additional 2.4 tonnes of halon used by mining and oil companies.

Given the population of approximately one million inhabitants, individual consumption is thus 0.09 kg/per inhabitant: consequently Article 5 of the Montreal Protocol applies to Gabon.

The ODS phase-out calendar has been proposed by the government and approved at the First National Ozone Seminar in Libreville in 1996. This calendar foresees as a priority the rapid phase-out of halons and medium-term conversion of 9 large centralized air-conditioning compressors to CFC11.

It is expected that the full programme will involve a total reduction of 402.3 tonnes ODS with complete phase-out foreseen before 2005.

Two projects are proposed in the first phase:

- reinforcing institutions
- implementing a refrigerant management plan

PROJECT 1

- Country or Region: GABON
- Sector concerned : all sectors
- Project title:
 - Institutional Strengthening
 - Creation of a National Ozone Technical Group
- Project duration: 3 years
- Consequences of project:
 - Management of ODS phase-out
 - Co-ordination of Action Plan
- Proposed budget:
 - US \$ 120 600,-
 - (Gabon US \$ 75 000,- MF US \$ 45 600,-)
- Implementing agency:
 - UNEP
- National Co-ordinating Body:
 - Ministry of Planning, Environment and Tourism (NOTG)

Summary

The National Ozone Technical Group, under the responsibility of the Minister of Planning, Environment and Tourism, constitutes the executive body of the Country Programme. It consists of representatives from the Ministries of Energy, Agriculture, Trade, as well as representatives from the Customs Services, industry and NGOs.

It is responsible for coordinating and monitoring the action plan, as well as implementing training and information programmes. It ensures the financial monitoring of projects.

Description

The National Ozone Technical Group, in particular, must:

- identify ODS users in order to help them use alternative techniques,
- define a national information and awareness-building programme,
- set up a data bank (performance charts) for monitoring ODS phase-out,
- present to the Ozone Secretariat the annual report on the monitoring of ODS phase-out (reference : article 7, Montreal Protocol),
- submit activity reports to UNEP IE in accordance with the obligations outlined in the document of the project.
- coordinate and monitor the preparation of the Refrigerant Management Plan and its implementation after approval.
- present to the Multilateral Fund an annual progress report on the implementation of the Montreal Protocol (report format UNEP/OzL.Pro/Excom / 13 / 47 annex 2).
- facilitate exchange of information among the parties to the Montreal Protocol,
- co-ordinate programmes with the Chamber of Commerce and Industry,
- define, implement and supervise projects to accelerate ODS phase-out.
- supervise projects to enable acceleration of ODS phase-out,
- carry out information actions:
 - on ODS and their impact on the ozone layer,
 - on the Montreal Protocol,
 - on the Country Programme,
 - on the socio-economic repercussions,
on the good use of refrigeration systems
- manage the funds granted by the Multilateral Fund
- ensure co-ordination with the relevant activities of measures adopted in the context of trade agreements.

Project 1 : Budget (US dollars)

	Gabon (US \$)		M.F. (US \$)	
	annual	3 years	annual	3 years
1 Personnel				
1-1 <u>Co-ordination</u> - Co-ordinator (1/10)	2 040	6 120	3 000	9 000
1-2 <u>Data base management</u> - Assistant (1/10)	1 536	4 608	1 500	4 500
Total 1	3 576	10 728	4 500	13 500
2- Equipment				
-Office space - meeting room	25 000	30 000		
-Furniture air condit.	2 000	6 000		
- Computer/printer			4 000	4 000
- Fax/telephone			3 000	3 000
- Photocopying machine			2 000	2 000
- Consumables			1 000	3 000
- Communication expenses	2 000	6 000		
Total 2	29 000	42 000	10 000	12 000
3- Travel expenses				
Total 3	5 000	20 000	1 000	3 000
4- Information campaign				
Total 4	1 500	2 272	4 300	12 900
5- Miscellaneous				
Total 5				4 200
TOTAL	39 076	75 000	16 500	45 600