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Executive Committee of
the Multilateral Fund for the
Implementation of the Montreal Protocol

Eleventh Meeting
Bangkok, 10-12 November 1993

1993 UNEP Progress Report

This document includes:

- (a) Comments from the Fund Secretariat
- (b) 1993 UNEP Progress Report

**COMMENTS FROM THE FUND SECRETARIAT ON
1993 UNEP PROGRESS REPORT**

1. The Progress Report highlights activities under the OzonAction Programme that have been accomplished during the period under review. The report reflects a 35 per cent increase in the number of queries and responses from developing countries, 150 technical and programmatic queries were researched and responded; more than 440 new addresses were added to the mailing list (bringing the total list to more than 2920); and 210 documents were abstracted and incorporated into the database, which now contains 615 documents.

2. Five technical brochures in the "Protecting the ozone layer" series have been completed and published in five UN languages. Issues 7 and 8 of the OzonAction newsletter were also published and distributed.

3. Progress has been reported on the establishment and initiation of the International Halon Management Information Clearinghouse.

4. The OAIC user guide has been completed and is being printed (distribution expected for November 1993). First draft of the OAIC diskette version has also been finalized and is to be demonstrated at the Fifth Meeting of the Parties.

5. Completion of various training manuals, technical documents and other materials under UNEP work programme are expected for early 1994, including:

- Training material for aerosol sector;
- Training material for refrigeration sector;
- OAIC diskette and OAIC operation manual;
- Manual on elements for establishing policies, strategies and institutions for ozone layer protection;
- Manual for training materials for developing countries;
- Training strategy.

5. Country programmes of Algeria, Burkina Faso, Senegal and Syria have been completed and are being submitted for approval. This brings the number of completed country programmes for which UNEP has provided assistance to twelve. Eight more country programmes are under preparation (Malawi and Uganda draft reports have been completed and are under review).

1993 UNEP PROGRESS REPORT

UNDER THE MULTILATERAL FUND

UNEP IE/PAC

SEPTEMBER 1993

1993 UNEP PROGRESS REPORT

(as of 26 September 1993)

This Progress Report presents an overview of 4 months of activity (from 1 June 1993 to 26 September 1993) of UNEP IE/PAC's OzonAction programme under the Multilateral Fund for the Implementation of the Montreal Protocol (MF). The Progress Report consists of:

- I. Overview
- II. Main Highlights
- III. Details of Progress
- IV. Progress in The Standardized Tabular Form

I. OVERVIEW OF THE OZONACTION PROGRAMME

The programme has been in operation for the last 27 months. It consists of three interrelated activities :

1. Information exchange through :

- (i) The operation of a clearinghouse of technical and programmatic information, with dissemination through hardcopy, diskette (under preparation), and on-line methods; accompanied by various data collection activities.
- (ii) The preparation and dissemination of technical brochures, newsletters and guidelines.

2. Training and networking activities consisting of :

- (i) Workshops/Training Courses (organized by UNEP IE/PAC).
- (ii) Other Workshops/Conferences/Training Courses (supported by UNEP IE/PAC).
- (iii) Training Material (e.g. manuals guidelines, etc.).
- (iv) Regional Networks of ODS-Focal Points (partly assisted by the Government of Sweden).

3. Country programmes :

- i) For low-volume ODS-consuming countries.
- ii) Country studies for non-Parties (with assistance from the Government of Finland).

The programme is advised by experts drawn from industry, governments and NGO's; and it is coordinated with the World Bank (WB), UNIDO and UNDP. Informal and Ad-hoc advisory groups are convened to guide the programme.

The programme works closely with the UNEP Technology and Economic Assessment Panel. The needs are assessed through country programmes, projects approved by the MF's Executive Committee (EC), regional workshops, consultants and during various networking activities. Feedback from Article 5 countries and discussions in Executive Committee meetings provides a means to assess the effectiveness of the OzonAction Programme.

II. MAIN HIGHLIGHTS OF COMPLETED ACTIVITIES

(June 1993 - September 1993)

- Increased queries and responses from developing countries, representing a 35% increase over same period last year. The total cumulative queries answered till now is five times higher in 1993 as compared to same period in 1992.
- Establishment and initiation of International Recycled Halon Management Information Clearinghouse at UNEP IE/PAC.
- 2nd Network Workshop (UNEP/SIDA) of ODS Officers in South East Asia and Pacific Region.
- Completion of "Protecting the Ozone layer" series, i.e. five sectoral Technical Brochures in English , French and Spanish.
- Publication of OzonAction newsletters N° 7 and N° 8 in five languages.
- Publication of a Special Supplement of OzonAction Newsletter on Halons on the eve of the phase-out of halons in non-Article 5 countries.
- Seven new requests for Country Programme formulation have been received. Seventeen Country Programmes in various stages of preparation. Four more Country Programmes being submitted to 11th Executive Committee bringing total number of completed Country Programmes to twelve.

III. DETAILS OF PROGRESS TO DATE

1. Information exchange

- (i) The operation of a clearinghouse of technical and programmatic information, with dissemination through hardcopy, diskette (under**

preparation), and on-line methods; accompanied by various data collection activities.

a) Maintain Query Response Service

- Researched and responded to approximately 150 technical and programmatic information queries from industry, governments, research institutions, NGOs, etc.
- 442 new addresses were added to the OzonAction mailing list data-base. The total OzonAction mailing list holds now 2921 names, which represents an 18 percent increase during the reporting period.

b) Maintain Sectorial Information Collection Activities

Aerosols, Sterilants, Miscellaneous Uses and Carbon Tetrachloride:

- Collection of worldwide data completed. Draft final catalogue being reviewed.
- Quality review underway by Co-Chair of Aerosols Technical Option Committee, Co-Chair of Technology and Economic Assessment Panel, and USEPA. Expect to transmit all comments to data collection consultant in first week of October. Final version expected in November 1993.

Flexible and Rigid Foams:

- Catalogue based on alternative technologies available from part of the developed world is being disseminated.
- Worldwide collection of data continued. Final draft expected in first quarter 1994.
- Arrangements are being finalized with Foams Technical Option Committee for quality review.

Refrigeration, Air Conditioning, and Heat Pumps:

- Second draft catalogue reviewed by UNEP IE/PAC and Co-Chair of UNEP Refrigeration Technical Options Committee. Completion of final document expected by fourth quarter of 1993, to incorporate quality reviewer's comments.

Extra funding required to collect complex information on proven substitute technologies and retrofitting and putting them in simple format. Government of Norway has informed us that they would provide assistance as part of their bilateral contribution.

Solvents, Coatings, and Adhesives:

- Cooperated with USEPA to jointly develop the catalogue for this sector. Currently working with USEPA to jointly select consultant and identify quality reviewers. Final catalogue expected end May 1994.

No delay expected.

c) Maintain Other Data Collection Activities

- Requests for focussed and formatted information sent throughout the period to a wide range of organizations, including Party government ODS focal points, industry, industry associations, research institutions, and NGOs in order to obtain information about their activities.
- Targeted information collection requests sent to the Government ODS focal points of all Parties, corporations, industry associations, and NGOs for update of phase-out activities data bases. Rates of responses have not been very high to date.
- The following specific data collection projects (to be regularly updated) were initiated:
 - *Worldwide List of Producers of Controlled Substances and ODS Alternatives;*
 - *Alternative Technologies Approved by the Multilateral Fund*
 - *Case Studies on Retrofitting*
 - *Success Stories on Phase-out*

d) OzonAction Library

- Acquired approximately 160 new documents (monographs, conference proceedings, and journals) for OAIC library from various organizations.
- Abstracted over 210 key documents/conference papers (recommended by TOC members), and incorporated them into the OAIC Publications abstract collection, bringing the total number of abstracts to approximately 615 (as of end of September).

- Updated on a regular basis and produced hardcopy versions of the following OAIC documents, which are available for dissemination to Article 5 users:
 - *OAIC Document Abstracts;*
 - *OAIC Halon Sector Document Abstracts;*
 - *OAIC Methyl Bromide Sector Document Abstracts;*
 - *Halon Banking Material Contained in the OAIC;*
 - *National ODS Phase-Out Legislation/Regulations;*
 - *Standards and Codes of Practice;*
 - *Reference List of Chemical Product Literature Available*
 - Updated OAIC Keyword List which is being reviewed by UNEP Assessment Panel members.
- e) On-Line OAIC System Maintenance**
- Monitored message centre on daily basis and performed required upkeep.
 - On a quarterly basis, developed and updated news and sectorial information bulletins and posted downloadable files on the OAIC covering a wide range of topics (e.g. news from governments, industry, NGOs, sector-specific news).
 - Updated following data bases on monthly basis: Contacts; Calendar of Events
 - Updated following data bases as new information was collected: National Phase-Out Activities; Corporate Phase-Out Activities; International Organization Phase-out Activities.
 - OAIC User Guide currently being printed. (Expected to disseminate to Article 5 focal points in October - November 1993).
- f) OAIC Diskette**
- Programming of diskette by Indian Institute of Technology-Bombay continued. First draft is ready.
 - Demonstration of diskette version is planned at the 5th Meeting of the Parties in Bangkok and dissemination will start immediately thereafter.
- g) Outreach Activities**
- Attended meeting of UNEP Technical and Economic Assessment Panel to follow panel developments, discuss areas of cooperation in terms of information exchange, Technical Options Committee Reports and training.

- Attended 10th Meeting of Open-Ended Working Group (August, Geneva) to disseminate information, follow Montreal Protocol developments, and to discuss various information exchange activities with participants.

h) International Halon Bank Management Information Clearinghouse:

- Participated in meeting of UNEP Halons Technical Options Committee (June, Montreal) to finalize modalities for halon bank clearinghouse and to follow latest developments in national halon banking activities.
- Met with expert consultant (member of UNEP Halons Technical Options Committee) to establish halon bank clearinghouse and set time schedules for activities.
- Produced the following draft documents (to be updated regularly) and disseminated them at the 10th Meeting of the Open-Ended Working Group:
 - *National Halon Banking Sourcebook* (includes a contact list of all national halon banking activities);
 - *Halon Banking: Background Material*;
 - *Halon Sector: OAIC Document Abstracts*.
- Contacted all national halon bank focal points to obtain data on availability of recycled halons in each country. Of 13 requests for information, only 5 have replied to date.

(ii) Preparation and dissemination of technical brochures, newsletters and guidelines:

a) *Technical brochures*

The series "Protecting the Ozone Layer", i.e. sectorial Technical Brochures, was completed with publication of the following in three languages:

- Fire Extinguishing Substances (Volume 3). [Includes dedicated chapter on Halon Bank Management.]
- Aerosols, Sterilants, Carbon Tetrachloride and Miscellaneous Uses (Volume 5).

The dissemination of these brochures has already begun.

- b) ***OzonAction Newsletter***
 - The seventh issue was printed in early July 1993 in Arabic, Chinese, English, French, and Spanish.
 - The eighth issue was published in September 1993 in English, French, and Spanish. Arabic and Chinese versions are being translated.
- c) ***Halons, a Special Supplement of OzonAction Newsletter***
 - 4 page supplement published in September in English, French and Spanish, in view of eminent phase out of halons in non-Article 5 countries (15 000 copies). Will be distributed with the eighth issue of the newsletter.
 - Chinese and Arabic versions are planned.
- d) ***Information kit on halon bank management***
 - Under preparation. Draft will be available at the beginning October and printed document is planned for the end of October.
- e) ***Case study logbook on Alternatives to Halon***
 - Format approach to be finalized in December 1993
 - Preliminary data for February 1994
 - 1st draft for April 1994

2. TRAINING AND NETWORKING ACTIVITIES

Following is the status of activities which were approved in March 1993 by the Executive Committee (activities under the 1992-Work Programme have already been completed):

- (i) **Organized by IE/PAC**
 - **2nd Workshop for ODS Officers' Network for the Asia/Pacific region (ODSONET/SEAP)** was held in Bangkok 7-10 June, 1993 (funded by the UNEP/SIDA project). A separate report from the first day, on data collection, was submitted through the Ozone Secretariat to the 6th Implementation Committee Meeting 26 August, 1993. A report from the three following days, covering in particular issues related to ODS refrigerants will be available by November 1993.
 - **ODS Officers' Networks in Latin America (ODSONET/LA):** a regional network coordinator is identified at UNEP's Regional Office for Latin America and the Caribbean (ROLAC). Responses to invitations to participate in the network have been

received from five countries and others have reported that they are in the process of responding. The First Workshop for ODSNET/LA is planned for the 1st quarter of 1994. The agenda will be based on the particular common features of country programmes in Latin America, as well as on experience from ODSNET/ SEAP.

- **A Regional Training Course on Refrigeration (Train the Trainer)** is under preparation for the Southeast Asia/Pacific region (scheduled for mid February 1994). Target groups are training organisers such as training institutes, trade associations/industry and ODS Officers, who will later be involved in the organisation of training courses in their own countries.
- **The Regional Halon Workshop**, to be organized by Malaysia for Southeast Asian countries, is scheduled for mid-January 1994. Emphasis will be on practical examples of alternatives and case-studies in critical areas, such as defense, telecommunication, petroleum industry and civil aviation, as well as halon bank management. Network members of ODSNET/SEAP will be actively involved in identifying key actors in such areas within their countries.

It is expected that this Regional Workshop will be followed by national workshops within the framework of UNDP's global project on halons.

- In accordance with the decision of the 9th Executive Committee Meeting, **Assessment Criteria to Evaluate the Success of the Network Activities** have been prepared with the active participation of network members.
- **'Train the Trainer' programme in the refrigeration sector in Ghana** (as per the Country Programme of Ghana.)

Training courses are being held in early October 1993 with hands on training to the trainers on Recovery and Recycling machines.

- **Regional Training Course on Aerosols.**

The host country (Jordan) has been finalized. The contract for the trainers is being finalized. Training material is under preparation. Expected date: first quarter of 1994.

- **Training and demonstration programme in refrigeration sector in Kenya** (as per UNDP 1992 work programme and transferred to UNEP in June 1993).

The Letter of Agreement and budget for the activities are being finalized with Kenya.

Additional efforts are being made to ensure that the benefits of this training programme will go beyond the direct beneficiaries. The country will be encouraged

to incorporate the experience gained during this programme into the future activities within the Country Programme of Kenya which is under preparation.

- ° **Regional Training courses on centrifugal chillers** (as per UNDP 1992 work programme and transferred to UNEP in June 1993).

The contacts with hosts countries have been initiated. The consultant for assisting in the organization of the training courses is already in position.

(ii) Other workshops/conferences

- ° Participated in the following meetings as part of the coordinating efforts with other stake-holders in the implementation process:
 - Open-ended Working Group Meeting, Montreal, Canada, 27 June 1993.
 - 2nd Halons Technical Options Committee, Toronto, 6-10 July 1993.
 - 2nd Technology and Economic Assessment Panel Meeting, Toronto, 12-14 July 1993.
 - 9th Meeting of the Open-Ended Working Group of the Parties to the Montreal Protocol, Geneva, 30 August - 3 September 1993.
 - First Meeting of the Bureau of the 4th Meeting of the Parties to the Montreal Protocol, Geneva, 6 September 1993.

(iii) Training and information material

- ° First drafts of the following manuals are expected to be ready in last quarter of 1993 or 1st quarter of 1994:
 - a. Manuals/Guidelines on Good Maintenance and Service Practices including recovery and recycling for small and middle sized refrigeration systems, by last quarter 1993.
 - b. Technical Directory of Recovery and Recycling Machines in Refrigeration incorporating technical guidelines on how to select Recovery and Recycling Machines, by last quarter 1993.
 - c. Handbook on "Conversion Technology" for the aerosols sector, by last quarter 1993. Manual on Safety Issues, for Manufacturers, Fillers and Users in the Aerosol Industry will be included in this Handbook.
 - d. Practical Guide to Policy Guidelines for Industry on Management of Phase-out of ODS, by first quarter 1994.

3. COUNTRY PROGRAMMES

(i) Country Programmes completed

ALGERIA

Completed (May 1993). Revision approved by the Government. The Country Programme was initiated by UNEP IE/PAC with the financial assistance of the Government of Finland and completed with the assistance of the Multilateral Fund. It is being presented for approval and funding to the 11th Meeting of the Executive Committee, along with the Institutional Strengthening project.

BURKINA FASO

Completed. The Country Programme being presented for approval at the 11th Meeting of the Executive Committee, along with the Institutional Strengthening and other projects.

SENEGAL

Completed. The Country Programme being presented for approval at the 11th Meeting of the Executive Committee, along with the Institutional Strengthening and other projects.

SYRIA

Completed (May 1993). Being presented for approval and funding at the 11th Meeting of the Executive Committee at the request of Syria.

(ii) Country Programmes under formulation:

UNEP IE/PAC is conducting, under the Multilateral Fund, the Country Programmes for: Botswana, Gambia, Malawi, Pakistan, Togo, Uganda and Zimbabwe. Country studies for Non-Party countries are also being prepared under the Trust Fund of the Government of Finland: Bolivia, Dominican Republic, Mozambique and Vietnam. The status for these country programmes is as follows¹:

BARBADOS

Phase I planning underway.

BOTSWANA

Phase I visit has been carried out, and an Industry workshop has been planned. Letter of Agreement with the government is about to be signed.

¹ Note: Phase I includes first visit to the country by the consultant, consultation with national team and conducting of the ODS survey. Phase II includes analysis of ODS data, formulation of national strategy and action plan, identification and prioritization of specific projects and drafting of country programme report in consultation with national team.

GAMBIA

The first contact with government was made but no response has been received so far.

MALAWI

Draft report is ready for review. Expected to be presented for approval and funding to the 12th Executive Committee Meeting.

PAKISTAN

Agreement being worked out with the Government.

TOGO

Status quo. No progress. The government is trying to re-start country programme activities as per their recent response.

Major reasons for delay : Due to the strike, the government is unable to sign the letter of agreement and the team is unable to proceed with the work.

UGANDA

Draft report is being reviewed by Government. Expected to be presented for approval and funding to the 12th or 13th Executive Committee Meeting.

ZIMBABWE

Phase I visit has been carried out, and an Industry workshop has been planned. Letter of Agreement with the government is about to be signed.

COUNTRY PROGRAMMES FOR NON-PARTIES

UNEP IE/PAC assists Non-Parties to formulate their country programmes. These studies/programmes will help these countries when they become Parties to the Protocol, as only updating of the programme would be necessary, thus saving time. It is also a major exercise in training the government and industry on Montreal Protocol and phase-out related issues.

4. COORDINATION WITH OTHER IMPLEMENTING AGENCIES

UNIDO: UNIDO was invited by UNEP to undertake preparation of investment projects within the country programmes approved by Executive Committee or being prepared by UNEP. UNIDO would also prepare sectoral strategy within the overall country strategy in collaboration with UNEP. Meeting was arranged between Cameroon, UNEP and UNIDO as a result of which UNIDO is presenting a proposal to implement an investment project for major refrigerator manufacturer in Cameroon at the 11th Executive Committee meeting. Projects are also being prepared for Zambia and Algeria.

UNIDO and UNEP will also coordinate in the fields of training and information exchange.

UNDP: Discussions underway for jointly developing database programme on alternative technologies approved by Executive Committee.

5. MANAGEMENT OF THE ACTIVITY

The OzonAction Programme is being implemented under the direction of the Director of UNEP IE/PAC and is being coordinated by the OzonAction Coordinator. Miscellaneous administrative costs are paid under the 13 % allowance. The short/fixed term contracts and consultants contributed to the implementation of the programme. The programme also benefited from the UNEP/SIDA network project in Asia and the Pacific and from a counterpart part contribution from FINNIDA to Non-Parties countries.

The programme is advised by the three co-Chairs of the Technology And Economic Assessment Panel.

IV. PROGRESS IN STANDARDIZED TABULAR FORM

Attached to the Consolidated Progress Report.