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Montreal, 8-10 March 1993

1992 UNEP PROGRESS REPORT

This document includes:

- Comments from the Fund Secretariat
- 1992 UNEP Progress Report

COMMENTS FROM THE FUND SECRETARIAT ON THE 1992 UNEP PROGRESS REPORT

1. The Ozone Action computerised information system started operations from August 1992. In their progress report, UNEP mentions 500 query-response exchanges during the period August-December, with governments, research institutions, industries and NGOs etc. A diskette version will be available shortly.
2. In their 1991 and 1992 work programmes, UNEP had the task of preparing technical brochures on the various sectors. Thus, brochures on refrigeration, solvents, foams and aerosols, sterilant, carbon tetrachloride and miscellaneous uses, in English, French and Spanish, have been prepared and distributed to over 3,000 contacts. Review of a draft for a brochure on fire extinguishers has been completed and is expected to be printed (in English) during the first quarter of 1993 (French and Spanish versions will follow). The technical brochure on halons will be ready also by the end of the first quarter of 1993. Also under preparation is a technical manual on centrifugal chillers to be used by trainers in Article 5 countries, and is expected to be ready by the end of the first quarter in 1993.
3. Between January and December 1992, four issues of the Ozone Action newsletter has been published and distributed in five United Nations languages.
4. Regarding training workshops, UNEP has completed all four regional workshops planned for. Two workshops were held in 1992: one for the Latin America and the Caribbean region in Caracas, Venezuela in May 1992 (an activity carried over from 1991), and the second for Africa held in Kenya in December 1992.
5. In addition, a regional training course on refrigeration for African participants was conducted in Kenya also in December 1992.
6. UNEP also sponsored participants from Article 5 countries to other international workshops (i.e., the CFC and Halon Alternative Conference, Asia-Pacific Conference on ODS).
7. UNEP has budgeted for the preparation of country programmes in 14 countries in 1991 and 1992. Two country programmes (Ghana and Zambia) have already been approved by the Executive Committee. A draft country programme for Fiji has been submitted to the government in November 1992. Seven other country programmes will be submitted to the respective governments during the first quarter of 1993. Activities have just started for one country programme. Three more country programmes are awaiting government approvals for start-up activities.
8. The Executive Committee allocated a total of US \$ 3,184,000 (excluding overhead support costs) for the 1991 and 1992 work programmes of UNEP. Out of this, UNEP has reported that the sum of US\$ 2,543,500 has been expended or committed (as at December 1992).

1992 UNEP PROGRESS REPORT

UNDER THE MULTILATERAL FUND

UNEP IE/PAC

JANUARY 1993

1992 UNEP PROGRESS REPORT

(as of 21 January 1993)

This progress report presents an overview of 12 months of activity (from 1 January 1992 to 20 January 1993) of the UNEP IE/PAC's OzonAction programme under the Multilateral Fund for the Implementation of the Montreal Protocol (MF).

I. OVERVIEW OF THE OZONACTION PROGRAMME

The programme has been in operation for the last 18 months. It consists of three interrelated activities :

1. Information exchange through :
 - (i) The operation of a clearinghouse of technical and programmatic information accompanied by hardcopy and electronic information dissemination
 - (ii) The preparation and dissemination of technical brochures, newsletters and guidelines
2. Training and networking activities consisting of :
 - i) Regional Workshops
 - ii) Regional Training Courses
 - iii) Sub-Regional Workshops
 - iv) Other Workshops/Conferences
 - v) Training and Information Material
 - vi) Training Strategy
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 a group of 10-12 persons drawn from industry, governments, NGO's, the World Bank (WB) and UNDP. Adhoc advisory groups are also convened on specific issues.

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.

PROGRESS TO DATE
OZONACTION INFORMATION CLEARINGHOUSE (OAIC)

1 January 1992 - 21 January 1993

1. INFORMATION EXCHANGE

i) The operation of a clearinghouse of technical and information accompanied by hardcopy and electronic information dissemination;

a) Query Response Service

- ° Researched and responded to over 500 technical and programmatic information queries from industry, governments, research institutions, NGOs, etc., of which approximately half originated from Article 5 and non-Party developing countries.

b) System Development of Computerized OzonAction Information Clearinghouse

- ° Created prototype OAIC and displayed it at the 7th Meeting of the Interim Multilateral Fund Executive Committee.
- ° Established on-line OAIC in August 1992. System has 3 regular phone lines and 8 lines dedicated to access from national Packet Switching Networks (PSNs). Tasks related to OAIC establishment include:

- extensive programming of four new data bases,

- minor programming of three data bases to convert from ICPIC use to OAIC use,
 - extensive programming of "Front Door" software required for the OAIC to operate in conjunction with UNEP IE/PAC's ICPIC system, thus enabling the OAIC to use hardware previously purchased by UNEP IE/PAC,
 - designed and programmed bulletin board software to reflect changes in all menu screens, command prompts, etc.
 - identified and eliminated minor software problems (known as "bugs") after initial on-line testing.
- ° In cooperation with the Industry Cooperative for Ozone Layer Protection's (ICOLP), integrated the OzoNet data bases and news bulletins into the OAIC's Solvent Sector.
- c) OAIC System Maintenance
- ° Developed and updated dozens of news bulletins and posted large number of downloadable files on the OAIC covering a wide range of topics (e.g. news from governments, industry, NGOs, sector-specific news).
 - ° Drafted OAIC User Guide and circulated to experts for comment. This guide will form part of the OAIC Information Networking Kit, whose publication is dependent upon the finalization of the User Guide. Both the guide and the Information Networking Kit are expected to be produced in early 1993.
- d) OAIC Diskette Version
- ° Demonstration version of diskette received by UNEP IE/PAC in December 1992, currently under review. Expected to be ready for first dissemination by April 1993.

e) Sectorial Information Collection Activities

Aerosols, Sterilants, Miscellaneous Uses and Carbon Tetrachloride:

- Consultant finalized (contract expected to be processed in January 1993). Expected completion by mid 1993.
- Consultant finalized to provide quality review for the Aerosol sector catalogue. (contract expected to be processed in January 1993).

Flexible and Rigid Foams:

- Consultant finalized to develop Catalogue of ODS-Free Technologies for the Foam sector (contract expected to be processed in January 1993). Expected date of completion by April 1993.

Halons:

- Memorandum of Understanding signed in August to collect halon sector data. Initial information collection phase for the halon sector has been collected.

Refrigeration, Air Conditioning, and Heat Pumps:

- Draft catalogue received by UNEP in January 1993. Expected date of completion March 1993.
- Quality review and expert assistance to work being conducted.
- Produced a worldwide Preliminary List of Manufacturers of Refrigerant Recovery, Recycle, and Reclaim Equipment, which was prepared for participants of the UNEP First Regional Training Course on Refrigeration (Nairobi, 2 - 4 December). Meeting of Data Collection Consultants:
- Conducted a meeting in January 1993 of all data collection consultants and quality reviewers along with representatives of the Multilateral Fund Secretariat, UNEP Technical and Economic Assessment Panel, and an Article 5 NGO, in order to assess progress to-date and future direction of sectorial Catalogues of ODS-Free Technologies.

f) Other Data Collection Activities

Government, Corporate, NGO and International Organization Phase-Out Activities:

- ° Requests for information sent throughout the year to a wide range of organizations in governments, industry, industry associations, research institutions, and NGOs in order to obtain information about their activities.

g) OzonAction Library

- ° Abstracted over 270 documents and conference papers and incorporated them into the OAIC Publications data base, and developed a related keyword list (continuously updated).
- ° Produced and updated a hardcopy version of all OAIC document abstracts, for dissemination to Article 5 users.
- ° Developed cataloguing system for library.
- ° Contacted major libraries involved in ozone depletion issues and acquired their bibliographies and keyword lists. Keywords were incorporated into the OAIC keyword lists; bibliographies will be used to target documents for acquisition in 1993.
- ° Solicited donation of new documents for OAIC library from various organizations.

h) Outreach Activities

- ° Developed OzonAction programme description, OAIC access procedure sheets, call for information sheet, etc.
- ° Conducted outreach activities to promote the OAIC and OzonAction programme (including demonstrations of the OAIC) at the following events:
 - 6th Meeting of the Open-Ended Working Group Meeting (Geneva, 6 - 15 April)

- 7th Meeting of the IMOF Executive Committee (Montreal, 23 - 26 June)
- 7th Meeting of the Open-Ended Working Group (Geneva, 8 - 17 July)
- 1992 International CFC and Halons Alternative Conference (Washington, D.C., 29 September - 1 October)
- 4th Meeting of the Parties to the Montreal Protocol (Copenhagen, 23 - 25 November)
- Demonstration of the OAIC were also conducted at the UNEP Regional Workshops (see also section 2 and 4)

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

a) *Technical brochures*

The following technical brochures were published and are being disseminated widely (over 3000 copies to date). These are part of the series "Protecting the Ozone Layer".

- ° Refrigerants (Volume 1) has been printed in English, French and Spanish.
- ° Solvents, coatings and adhesives (Volume 2) has been printed in English, French and Spanish.
- ° Fire Extinguishing Substances (Volume 3) has been reviewed in English and corrected by the Chairman of the UNEP Technical Options Committee for Halons. It will be printed and disseminated in English during the first quarter of 1993. French and Spanish versions will be printed in 1993.
- ° Foams (Volume 4) has been printed in English. French and Spanish versions are being reviewed and should be printed first quarter 1993.

- Aerosols, Sterilants, Carbon Tetrachloride and Miscellaneous Uses (Volume 5) has been printed in English. French and Spanish versions are being reviewed and should be printed first quarter 1993.

b) *OzonAction Newsletter*

Each of the following issues of the OzonAction Newsletter were published and disseminated to approximately 15,000 individuals or organizations.

- The second issue was published in March 1992 in Arabic, Chinese, English, French, and Spanish.
- The third issue was published in June 1992 in Arabic, Chinese, English, French, and Spanish.
- The fourth issue (increased to 6 pages and now including photographs) was published in September 1992 in Arabic, Chinese, English, French, and Spanish.
- The fifth issue was printed early January 1993 in Arabic, Chinese, English, French, and Spanish. New features include the addition of "Success Stories" as well as two pages of "Industry and Technology Updates".

c) *Flyer*

- Initial steps were taken on the preparation of a flyer describing the activities of the OzonAction Programme under the Multilateral Fund.

2. TRAINING AND NETWORKING ACTIVITIES

i) Regional workshops

- Organization of a third Regional Workshop on the Implementation of the Montreal Protocol for the Latin American Region, in May 1992, in Venezuela, in both English and Spanish. 20 countries participated, including 11 Parties. The workshop report has been prepared and widely

disseminated. Action plan for the region and the recommendations on needs for training were prepared.

- Organization of a fourth Regional Workshop on the Implementation of the Montreal Protocol for the African Region in December 1992, in Kenya, in both English and French. 31 countries participated, including 15 Parties. The final report of the workshop will be prepared and disseminated in February 1993. The Agenda for the African Region resulting from this meeting is being finalized, and will serve as a important guideline for countries as well as implementing agencies in drawing strategies and action plans for the implementation of the Montreal Protocol in the African region. The Agenda also forms the basis for networking and for developing regional and sub-regional strategies for implementation of the Montreal Protocol.

ii) Regional training course

- Organization of a Regional Training Course on Refrigeration for Africa, with the "train the trainer" approach, in December 1992, in Kenya. It included practical demonstrations on recovery and recycling, and good servicing practices. 35 participants from 11 countries participated.

The Recommendations from Participants resulting from this meeting will provide outstanding input for the design of training and networking activities. It also forms the basis for developing regional and sub-regional approaches for training activities in various sectors and sub-sectors.

The training course has been evaluated by a co-chair of the UNEP Technology and Economic Assessment Panel and has recommended the same course design for other regions.

iii) Sub-regional workshops

- A sub-regional workshop for ASEAN Countries was co-organized by the Government of Singapore and UNEP IE/PAC in October 1992 in Singapore, with the objective of catalyzing interaction among ASEAN countries to draw their own action plans for the phase-out of controlled substances in the region. 5 ASEAN countries participated in the workshop.

The ASEAN Agenda, resulting from this meeting, will serve as an important guideline for countries as well as implementing agencies in drawing strategies and action plans for the implementation of the Montreal Protocol which will generate productive competition by way of co- operation.

iv) Other workshops/conferences

- ° Participation in the Pilot Workshop for CFC Officers, organized by UNEP's Regional Office for Asia and the Pacific under the UNEP/SIDA project in April 1992, in Thailand. The reports on data-collection problems have been disseminated.
- ° Sponsorship and active participation in the "CFC and Halon Alternatives Conference" in Washington in September 1992. UNEP IE/PAC provided assistance to 12 participants from developing countries to enable their participation in this conference.
- ° Meeting with the Task Force of the Government of India, in New Delhi to inform them on latest developments on the Montreal Protocol and activities of the OzonAction Programme.
- ° Sponsored and co-organized the Asia-Pacific Conference on ODS with the Government of Singapore in Singapore in October 1992. Approximately 150 industry and government representatives from the region participated.

v) Training and information material

- ° The development of a training manual on centrifugal chillers is under way, and will be ready in the first quarter 1993. The manual will be used by trainers in the Article 5 countries to conduct training courses similar to the one jointly conducted in Mexico by SEDUE (now SEDESOL) and US/EPA.

vi) Training strategy

- ° According to the request of EC in its 7th Meeting, prepared an integrated and comprehensive discussion paper on the OzonAction training strategy and presented it at the 8th EC Meeting. The comments received were

considered for revised and is being presented in 9th EC Meeting.

3. COUNTRY PROGRAMMES

i) Country Programmes completed

GHANA

Approved during the 8th Executive Committee Meeting. UNEP will lead the implementation of the "train the trainer" component in coordination with UNDP.

ZAMBIA

Approved during the 8th Executive Committee Meeting. UNEP will be the implementing agency.

ii) Country Programmes under formulation:

UNEP IE/PAC is conducting, under the Multilateral Fund, the country programmes for: Botswana, Burkina Faso, Cameroon, Fiji, Gambia, Guatemala, Malawi, Maldives, Panama, Syria, Togo and Uganda.

UNEP IE/PAC is also conducting country programmes for Non-party countries under the Trust Fund of the Government of Finland for: Algeria, Bolivia, Dominican Republic, Ivory Coast, Mauritius, Mozambique, Pakistan, Senegal, Sudan, Vietnam.

The status for these country programmes is as follows:

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.

BOTSWANA

The first contacts with government have been made, the consultants are lined up and the first mission is being prepared.

Major reasons for delay : contracting with companies requires a long bidding procedure.

BURKINA FASO

The national team is constituted. Phase I was completed in September 1992 and phase II was completed in January 1993. Two members of the team presented a preliminary country programme in Nairobi, in December 1992 during UNEP's Workshop on the Implementation of the Montreal Protocol. The expected date of country programme submission to government is end February. There is no production of ODS and the only consumers of ODS are in the refrigeration sector.

CAMEROON

The national team is constituted. Phase I was completed in September 1992 and phase II was completed in January 1993. The team has been steadily working on the country programme and presented a preliminary country programme during UNEP's Workshop on the Implementation of the Montreal Protocol held in Nairobi in December 1992. The expected date of country programme submission to government is end February. There is no production of ODS and the main consumers of ODS are in the refrigeration sector.

FIJI

The national team is constituted. Phase I and phase II are completed. The draft report is with the government since November 1992. Completion pending on response from the government. The expected date of completion is end January 1993.

Major reasons for delay : slow response from the government because of change of government.

GAMBIA

The first contact with government has been made and the first mission is being prepared.

GUATEMALA

Being done in cooperation with the World Bank. The national team is constituted. Phase I was completed in November 1992, and the ODS data submitted. Phase II is scheduled for beginning of February 1993. The expected date of country programme submission to government is end February 1993.

MALAWI

The national team is constituted. Phase I was initiated in October 1992, and the ODS data has not been received yet. Phase II is scheduled for beginning of February 1993. The expected date of country programme submission to government is end March 1993.

Major reasons for delay : severe communication problems make it very difficult to coordinate with the country.

MALDIVES

The national team is constituted. Phase I and II were completed but the data verification and completion. Data analysis is pending on completion of the data by the government. The expected date of country programme submission to government is mid February 1993.

Major reasons for delay : lack of manpower and personnel rotation in the Ministry.

PANAMA

The national team is constituted. Phase I was completed by mid November 1992, and the ODS data submitted. Quality of the data needs to be reviewed. Phase II is scheduled for mid February. The expected date of country programme submission to government is end February.

SYRIA

The national team is constituted. Phase I and II were completed but the phase

II visit revealed that the ODS survey had not been conducted. Data analysis is pending on the completion of the data by the government. A third visit might be necessary. The expected date of country programme submission to government is end March 1993.

Major reasons for delay : communication problems make it very difficult to coordinate with the government.

TOGO

The national team is constituted. Phase I was completed in October 1992. The consultant met with the team coordinator in Nairobi during UNEP's workshop (December 1992), where he was informed that there is a strike of government employees in Togo. Phase II cannot be scheduled. There is no production of ODS in Togo. The consumers of ODS are mainly in the refrigeration sector.

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

The national team is constituted. Phase I is halted because of lack of funds. The funds provided by UNEP have not reached the government because of a wrong bank account number provided by the government. The expected date of country programme submission to government is end of April 1993.

Major reasons for delay : lack of funds in the government.

COUNTRY PROGRAMMES FOR NON-PARTIES

UNEP IE/PAC assists Non-parties to formulate their country programme based on the same guidelines approved by the Executive Committee. Thus 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. MANAGEMENT OF THE ACTIVITY

The OzonAction programme has been developed under the direction of the IE/PAC Director and is coordinated since June 1992 by a new staff member, OzonAction Coordinator. A secretary and administrative assistant and 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 project in Asia and the Pacific and from a counterpart part contribution from FINNIDA to non parties countries. A number of ad-hoc expert meetings were held to advise IE/PAC on the technical part of the programme, and an informal advisory group meeting reviewed the 1992 programme and advised about its continuation in February 1993.

5. LESSON LEARNED

Information Exchange

- i) There are a wide range of queries coming from very broad-user sectors.
- ii) There is need to disseminate up-to-date data which is difficult to collect.
- iii) Dissemination costs are very high.
- iv) Information providers are generally 'suppliers', hence there is a need for quality review.
- v) The 'outreach' activities for OAIC need to be stepped-up in the form of hands-on experience, in order to make more users in article 5 countries aware of the query response service, etc.

Training and Networking

- i) There is need to develop integrated and comprehensive strategy.
- ii) Knowledge sharing network cannot be operative unless catalyzed.
- iii) The needs and difficulties get identified easily when the compatible and smaller groups interact.
- iv) Training courses (Regional) should be at least for 4 days and should include practical training.

Country Programmes

- i) 'Participative' method of formulation of the country programme is quite effective but slow in the beginning.
- ii) Costs for formulation of the country programme are on the rise.
- iii) Illegal trade of ODS and lack of good record keeping are major problems in collecting reliable data.

UNEP COUNTRY PROGRAMMES

STATUS OVERVIEW

COUNTRY	Phase I	ODS survey	Phase II	Expected completion
Botswana				
Burkina Faso	Yes	Complete	Yes	February 93
Cameroon	Yes	Complete	Yes	February 93
Fiji	Yes	Complete	Yes	January 93
Gambia				
Guatemala	Yes	Complete	February 93	February 93
Malawi	Yes	Not complete	February 93	March 93
Maldives	Yes	Complete*	Yes	February 93
Panama	Yes	Complete*	February 93	February 93
Syria	Yes	Not complete	Yes	March 93
Togo	Yes	Not complete	No schedule	
Uganda	Yes	Not complete	March 93	April 93

* Needs quality review