



United Nations  
Environment  
Programme



Distr.  
GENERAL



UNEP/OzL.Pro/WG.2/1/3/Add.1  
3 December 1990

ORIGINAL: ENGLISH

AD HOC GROUP OF EXPERTS  
ON THE REPORTING OF DATA

First meeting  
Nairobi, 6-7 December 1990

Addendum

REPORT OF THE SECRETARIAT ON THE REPORTING OF DATA  
BY THE PARTIES IN ACCORDANCE WITH ARTICLE 7  
OF THE MONTREAL PROTOCOL

1. Since the completion of the report of the Secretariat on the Reporting of Data by the Parties in accordance with Article 7 of the Montreal Protocol, additional reports have been received by the Secretariat from the following Parties.

- FIJI: has reported complete data for 1986 based on the survey of industries.
- FRANCE: has reported complete production data, hence has satisfied the reporting requirement as a Party of an economic regional integration organization.
- JAPAN: has reported complete data for 1989.
- JORDAN: has reported complete data for 1989.
- NEW ZEALAND: has reported complete data for 1989.
- NORWAY: has reported complete data for 1989.
- SINGAPORE: has reported complete data for 1989.
- SWITZERLAND: has reported incomplete data for 1989; the exports data are aggregated for each group of controlled substances.
- THAILAND: has reported complete data for 1986 and 1989.

2. Fiji has also reported the difficulties in carrying out the survey. This report may be useful if and when other such surveys will be carried out in other countries.
3. The format that was designed by the Secretariat for the reporting under the Vienna Convention is attached as Annex I to this addendum.
4. The format for reporting the data under the Amendment to the Montreal Protocol is attached as Annex II to this addendum.

ANNEX I

INTRODUCTION

1. At the First Meeting of the Conference of the Parties to the Vienna Convention (Helsinki, 26-28 April 1989), the Parties decided by their Decision 2:

"That each Contracting Party shall submit to the Secretariat of the Convention every two years after the entry into force of the Convention a summary of the measures adopted by the Party for the implementation of the Convention. In accordance with paragraph 5 of Annex II of the Convention, the biennial reporting shall include the socio-economic and commercial information on the substances referred to in Annex I. To this end the Secretariat shall prepare a format for reporting and shall ensure any required confidentiality of the information supplied to it."

2. The substances in Annex I of the Convention are as follows:

(a) carbon monoxide:	CO
(b) carbon dioxide:	CO <sub>2</sub>
(c) methane:	CH <sub>4</sub>
(d) non-methane hydrocarbon species	
(e) nitrous oxide	N <sub>2</sub> O
(f) nitrogen oxides (NO <sub>x</sub> ):	NO, NO <sub>2</sub>
(g) fully halogenated (Cl) alkanes:	CFCs
(h) partially halogenated (Cl) alkanes:	HCFCs
(i) fully halogenated (Br) alkanes:	halons
(j) hydrogen:	H <sub>2</sub>
(k) water:	H <sub>2</sub> O

3. It seems that it is impractical for the Parties to report on all the listed substances above. The substances in Annex I were listed with the purpose of providing a comprehensive list of all modifiers of the stratospheric ozone, no matter how little or in what direction. For example, CO<sub>2</sub> helps to increase the ozone in the stratosphere. Examples of non-methane hydrocarbons, water and hydrogen illustrate the impracticality of reporting. With regard to those substances, it is necessary to look into the necessity and feasibility of reporting. As the matter requires the opinion of scientific experts, the issue could be discussed at the Meeting of the Science Research Managers established by Decision 6 (ii) of the First Meeting of the Conference of the Parties to the Vienna Convention. UNEP and WMO are in the process of setting the dates and venue for that meeting.

4. Data on CO, CO<sub>2</sub>, CH<sub>4</sub>, N<sub>2</sub>O and NO<sub>x</sub> will be useful especially in the perspective of global climate change and it is expected that these substances will be addressed in the context of climate change. Furthermore, most of these substances have natural sources exceeding the anthropogenic emissions. The question of reporting on these substances should also be discussed by the Science Research Managers Meeting.

/...

5. Production, imports and exports data for five CFCs and three halons in Annex A of the Montreal Protocol are reported by the Parties to the Protocol in accordance with Article 7. The Parties adopted at their Second Meeting the Amendment to the Protocol. Under the amended Protocol, the Parties are required to report from the year the Amendment enters into force (expected to be 1992), on 10 additional CFCs, methyl chloroform, carbon tetrachloride and 34 transitional substances (HCFCs). A format has been designed for the Parties to report data that are additional to those reported under the Protocol.

6. The two formats designed by the Secretariat for the reporting under the Convention are as follows:

FORMAT 1: Summary of measures adopted for the implementation of the Convention.

FORMAT 2: for substances under (g), (h) and (i) above.

7. Comments and suggestions that your Government may have on improvements to the formats designed by the Secretariat will be welcome.

FORMAT 1

SUMMARY: MEASURES ADOPTED FOR THE IMPLEMENTATION  
OF THE VIENNA CONVENTION

COUNTRY: \_\_\_\_\_

1. National/regional policies: \_\_\_\_\_

---

---

---

---

---

---

---

---

---

---

2. National legislation: \_\_\_\_\_

---

---

---

---

---

---

---

---

---

---

3. Activities that have been/are being carried out: \_\_\_\_\_

---

---

---

---

---

---

---

---

---

---

4. Activities that are planned: \_\_\_\_\_

---

---

---

---

---

---

---

---

---

---

FORMAT 2

REPORT ON CFCs, HALONS, HCFCs, METHYL CHLOROFORM  
 AND CARBON TETRACHLORIDE

Please use one copy of Format 2 for each substance and for each year:

CFCs:	CFC-11	CFC-12	CFC-113	CFC-114	CFC-115
	CFC-13	CFC-111	CFC-112	CFC-211	CFC-212
	CFC-213	CFC-214	CFC-215	CFC-216	CFC-217
Halons:	Halon-1211	Halon-1301	Halon-2402		
HCFCs:	HCFC-21	HCFC-22	HCFC-31	HCFC-121	HCFC-122
	HCFC-123	HCFC-124	HCFC-131	HCFC-132	HCFC-133
	HCFC-141	HCFC-142	HCFC-151	HCFC-221	HCFC-222
	HCFC-223	HCFC-224	HCFC-225	HCFC-226	HCFC-231
	HCFC-232	HCFC-233	HCFC-234	HCFC-235	HCFC-241
	HCFC-242	HCFC-243	HCFC-244	HCFC-251	HCFC-252
	HCFC-253	HCFC-261	HCFC-262	HCFC-271	

Methyl chloroform

Carbon tetrachloride

The Secretariat will treat the information submitted to it as confidential.

COUNTRY: \_\_\_\_\_

YEAR: \_\_\_\_\_

1. SUBSTANCE: \_\_\_\_\_

2. MANUFACTURER (Please report the name of the industry, full address of the Manufacturer and the quantity produced by each Manufacturer.):

- (a) \_\_\_\_\_  
 QUANTITY: \_\_\_\_\_
- (b) \_\_\_\_\_  
 QUANTITY: \_\_\_\_\_
- (c) \_\_\_\_\_  
 QUANTITY: \_\_\_\_\_
- (d) \_\_\_\_\_  
 QUANTITY: \_\_\_\_\_
- (e) \_\_\_\_\_  
 QUANTITY: \_\_\_\_\_

3. USE OF THE SUBSTANCE MANUFACTURED IN THE COUNTRY:

(Please report the use and the approximate quantity (quantity for domestic use and for export) for each use.)

(a)	_____	QUANTITY FOR DOMESTIC USE:	_____
		QUANTITY FOR EXPORT:	_____
(b)	_____	QUANTITY FOR DOMESTIC USE:	_____
		QUANTITY FOR EXPORT:	_____
(c)	_____	QUANTITY FOR DOMESTIC USE:	_____
		QUANTITY FOR EXPORT:	_____
(d)	_____	QUANTITY FOR DOMESTIC USE:	_____
		QUANTITY FOR EXPORT:	_____
(e)	_____	QUANTITY FOR DOMESTIC USE:	_____
		QUANTITY FOR EXPORT:	_____

4. OTHER RELEVANT INFORMATION ON PRODUCTION:

(a) Information on patents:

(e.g. duration of the patents, date of expiration of the patents, cost for obtaining the patents)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(b) Specific regulations for manufacturing:

(e.g. licencing/permits, pollution/emission control)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(c) Substitutes and their availability:

(e.g. whether substitutes are available, the names of the substitutes, status of development, production or imports of the substitutes)

---

---

---

---

---

---

---

---

(d) Any information on destruction technologies and recycling:

---

---

---

---

---

---

---

---

5. **IMPORTER:** (Please report the name, full address of the Importer, the quantity imported by each Importer and the source of import.):

(a)	_____	QUANTITY:	_____
		SOURCE:	_____
(b)	_____	QUANTITY:	_____
		SOURCE:	_____
(c)	_____	QUANTITY:	_____
		SOURCE:	_____
(d)	_____	QUANTITY:	_____
		SOURCE:	_____
(e)	_____	QUANTITY:	_____
		SOURCE:	_____

6. USE OF THE IMPORTED SUBSTANCE:

(Please report the use and the approximate quantity (quantity for domestic use and for export) of the imported substance for each use.)

(a)	_____	QUANTITY FOR DOMESTIC USE:	_____
		QUANTITY FOR EXPORT:	_____
(b)	_____	QUANTITY FOR DOMESTIC USE:	_____
		QUANTITY FOR EXPORT:	_____
(c)	_____	QUANTITY FOR DOMESTIC USE:	_____
		QUANTITY FOR EXPORT:	_____
(d)	_____	QUANTITY FOR DOMESTIC USE:	_____
		QUANTITY FOR EXPORT:	_____
(e)	_____	QUANTITY FOR DOMESTIC USE:	_____
		QUANTITY FOR EXPORT:	_____

7. IMPORTS OF GOODS CONTAINING THE SUBSTANCE:

(Please report on the type and quantity of goods that contain the substance, and the quantity of the substance contained in the goods imported by your country.)

Type of goods (amount of substance contained per item):

(a)	_____ (_____)	QUANTITY OF THE GOODS:	_____
(b)	_____ (_____)	QUANTITY OF THE GOODS:	_____
(c)	_____ (_____)	QUANTITY OF THE GOODS:	_____
(d)	_____ (_____)	QUANTITY OF THE GOODS:	_____
(e)	_____ (_____)	QUANTITY OF THE GOODS:	_____

8. OTHER RELEVANT INFORMATION ON IMPORTS:

(a) Information on patents for technologies for using the substance:

(e.g. duration of the patents, date of expiration of the patents, cost for obtaining the patents)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

/...

(b) Specific regulations for trade:

(e.g. licencing/permits for imports or exports of the substance or goods containing the substance)

---

---

---

---

---

---

---

(c) Alternative technology and their availability:

(e.g. whether alternative technologies are available for the uses of imported substance, status of development or imports of the alternative technologies)

---

---

---

---

---

---

---

(d) Any information on destruction technologies and recycling:

---

---

---

---

---

---

---

ANNEX II

FORMATS FOR REPORTING DATA UNDER THE AMENDED  
 MONTREAL PROTOCOL

Reporting of data under Article 7, paragraph 1

1986 DATA ON PRODUCTION, IMPORTS AND EXPORTS OF CFCs AND HALONS  
 CONTROLLED BY THE AMENDED MONTREAL PROTOCOL

(Metric Tonnes)

Country \_\_\_\_\_

Annex A

SUBSTANCES	PRODUCTION	IMPORTS	EXPORTS
GROUP I			
CFC-11 (CFC <sub>3</sub> )			
CFC-12 (CF <sub>2</sub> Cl <sub>2</sub> )			
CFC-113 (C <sub>2</sub> F <sub>3</sub> Cl <sub>3</sub> )			
CFC-114 (C <sub>2</sub> F <sub>4</sub> Cl <sub>2</sub> )			
CFC-115 (C <sub>2</sub> F <sub>5</sub> Cl)			
TOTAL FOR GROUP I			
GROUP II			
HALON 1211 (CF <sub>2</sub> BrCl)			
HALON 1301 (CF <sub>3</sub> Br)			
HALON 2402..(C <sub>2</sub> F <sub>4</sub> Br <sub>2</sub> )			
TOTAL FOR GROUP II			

/...

Reporting of data under Article 7, paragraph 2

1989 DATA ON PRODUCTION, IMPORTS AND EXPORTS OF SUBSTANCES  
CONTROLLED BY THE MONTREAL PROTOCOL

(Metric Tonnes)

Country \_\_\_\_\_

Annex B

SUBSTANCES	PRODUCTION	IMPORTS	EXPORTS
<u>GROUP 1</u>			
CF <sub>3</sub> Cl (CFC-13)			
C <sub>2</sub> FCl <sub>5</sub> (CFC-111)			
C <sub>2</sub> F <sub>2</sub> Cl <sub>4</sub> (CFC-112)			
C <sub>3</sub> FCl <sub>7</sub> (CFC-211)			
C <sub>3</sub> F <sub>2</sub> Cl <sub>6</sub> (CFC-212)			
C <sub>3</sub> F <sub>3</sub> Cl <sub>5</sub> (CFC-213)			
C <sub>3</sub> F <sub>4</sub> Cl <sub>4</sub> (CFC-214)			
C <sub>3</sub> F <sub>5</sub> Cl <sub>3</sub> (CFC-215)			
C <sub>3</sub> F <sub>6</sub> Cl <sub>2</sub> (CFC-216)			
C <sub>3</sub> F <sub>7</sub> Cl (CFC-217)			
TOTAL FOR GROUP I			
<u>GROUP II</u>			
CCl <sub>4</sub> (carbon tetrachloride)			
<u>GROUP III</u>			
C <sub>2</sub> H <sub>3</sub> Cl <sub>3</sub> * (methyl chloroform i.e. 1,1,1-trichloroethane)			

\* This formula does not refer to 1,1,2-trichloroethane.

Reporting of data under Article 7, paragraph 2

1989 DATA ON PRODUCTION, IMPORTS AND EXPORTS OF TRANSITIONAL SUBSTANCES  
CONTROLLED BY THE MONTREAL PROTOCOL

(Metric Tonnes)

Country: \_\_\_\_\_

Annex C

GROUP	SUBSTANCES	PRODUCTION	IMPORTS	EXPORTS
	CHFC1 <sub>2</sub>	(HCFC-21)		
	CHF <sub>2</sub> Cl	(HCFC-22)		
	CH <sub>2</sub> FC1	(HCFC-31)		
	C <sub>2</sub> HFC1 <sub>4</sub>	(HCFC-121)		
	C <sub>2</sub> HF <sub>2</sub> Cl <sub>3</sub>	(HCFC-122)		
	C <sub>2</sub> HF <sub>3</sub> Cl <sub>2</sub>	(HCFC-123)		
	C <sub>2</sub> HF <sub>4</sub> Cl	(HCFC-124)		
	C <sub>2</sub> H <sub>2</sub> FC1 <sub>3</sub>	(HCFC-131)		
	C <sub>2</sub> H <sub>2</sub> F <sub>2</sub> Cl <sub>2</sub>	(HCFC-132)		
	C <sub>2</sub> H <sub>2</sub> F <sub>3</sub> Cl	(HCFC-133)		
	C <sub>2</sub> H <sub>3</sub> FC1 <sub>2</sub>	(HCFC-141)		
	C <sub>2</sub> H <sub>3</sub> F <sub>2</sub> Cl	(HCFC-142)		
	C <sub>2</sub> H <sub>4</sub> FC1	(HCFC-151)		
	C <sub>3</sub> HFC1 <sub>6</sub>	(HCFC-221)		
	C <sub>3</sub> HF <sub>2</sub> Cl <sub>5</sub>	(HCFC-222)		
	C <sub>3</sub> HF <sub>3</sub> Cl <sub>4</sub>	(HCFC-223)		
	C <sub>3</sub> HF <sub>4</sub> Cl <sub>3</sub>	(HCFC-224)		
	C <sub>3</sub> HF <sub>5</sub> Cl <sub>2</sub>	(HCFC-225)		
	C <sub>3</sub> HF <sub>6</sub> Cl	(HCFC-226)		
	C <sub>3</sub> H <sub>2</sub> FC1 <sub>5</sub>	(HCFC-231)		
	C <sub>3</sub> H <sub>2</sub> F <sub>2</sub> Cl <sub>4</sub>	(HCFC-232)		
	C <sub>3</sub> H <sub>2</sub> F <sub>3</sub> Cl <sub>3</sub>	(HCFC-233)		
	C <sub>3</sub> H <sub>2</sub> F <sub>4</sub> Cl <sub>2</sub>	(HCFC-234)		
	C <sub>3</sub> H <sub>2</sub> F <sub>5</sub> Cl	(HCFC-235)		
	C <sub>3</sub> H <sub>3</sub> FC1 <sub>4</sub>	(HCFC-241)		
	C <sub>3</sub> H <sub>3</sub> F <sub>2</sub> Cl <sub>3</sub>	(HCFC-242)		
	C <sub>3</sub> H <sub>3</sub> F <sub>3</sub> Cl <sub>2</sub>	(HCFC-243)		
	C <sub>3</sub> H <sub>3</sub> F <sub>4</sub> Cl	(HCFC-244)		
	C <sub>3</sub> H <sub>4</sub> FC1 <sub>3</sub>	(HCFC-251)		
	C <sub>3</sub> H <sub>4</sub> F <sub>2</sub> Cl <sub>2</sub>	(HCFC-252)		
	C <sub>3</sub> H <sub>4</sub> F <sub>3</sub> Cl	(HCFC-253)		
	C <sub>3</sub> H <sub>5</sub> FC1 <sub>2</sub>	(HCFC-261)		
	C <sub>3</sub> H <sub>5</sub> F <sub>2</sub> Cl	(HCFC-262)		
	C <sub>3</sub> H <sub>6</sub> FC1	(HCFC-271)		

/...

Reporting of data under Article 7, paragraph 3

DATA ON PRODUCTION, IMPORTS AND EXPORTS OF SUBSTANCES  
 CONTROLLED BY THE AMENDED MONTREAL PROTOCOL

(Metric Tonnes)

Country: \_\_\_\_\_

Year: \_\_\_\_\_

ANNEX A SUBSTANCES	TOTAL PRODUCTION	AMOUNTS DESTROYED	AMOUNTS FOR FEED STOCKS	AMOUNTS REQUESTED AND REUSED	IMPORTS		EXPORTS	
					FROM PARTIES	FROM NON- PARTIES	TO PARTIES	TO NON-PARTIES
GROUP I								
CFC-11 (CFC13)								
CFC-12 (CFC2C12)								
CFC-113 (C2F3C13)								
CFC-114 (C2F4C12)								
CFC-115 (C2F5C1)								
TOTAL FOR GROUP I								
GROUP II								
HALON 1211 (CF2BrC1)								
HALON 1301 (CF3Br)								
HALON 2402 (C2F4Br2)								
TOTAL FOR GROUP II								

/...

Reporting of data under Article 7, paragraph 3

**DATA ON PRODUCTION, IMPORTS AND EXPORTS OF SUBSTANCES  
CONTROLLED BY THE AMENDED MONTREAL PROTOCOL**

(Metric Tonnes)

Country: \_\_\_\_\_

Year: \_\_\_\_\_

ANNEX B SUBSTANCES	TOTAL PRODUCTION	AMOUNTS DESTROYED	AMOUNTS FOR FEED STOCKS	AMOUNTS REQUESTED AND REUSED	IMPORTS		EXPORTS	
					FROM PARTIES	FROM NON- PARTIES	TO PARTIES	TO NON-PARTIES
<u>GROUP 1</u>								
CF <sub>3</sub> Cl								
C <sub>2</sub> FCl <sub>5</sub>								
C <sub>2</sub> F <sub>2</sub> Cl <sub>4</sub>								
C <sub>3</sub> FCl <sub>7</sub>								
C <sub>3</sub> F <sub>2</sub> Cl <sub>6</sub>								
C <sub>3</sub> F <sub>3</sub> Cl <sub>5</sub>								
C <sub>3</sub> F <sub>4</sub> Cl <sub>4</sub>								
C <sub>3</sub> F <sub>5</sub> Cl <sub>3</sub>								
C <sub>3</sub> F <sub>6</sub> Cl <sub>2</sub>								
C <sub>3</sub> F <sub>7</sub> Cl								



Reporting of data under Article 7, paragraph 3

DATA ON PRODUCTION, IMPORTS AND EXPORTS OF SUBSTANCES  
CONTROLLED BY THE AMENDED MONTREAL PROTOCOL

(Metric Tonnes)

Country: \_\_\_\_\_

Year: \_\_\_\_\_

ANNEX C TRANSITIONAL SUBSTANCES	TOTAL PRODUCTION	AMOUNTS DESTROYED	AMOUNTS FOR FEED STOCKS	AMOUNTS REQUESTED AND REUSED	IMPORTS		EXPORTS	
					FROM PARTIES	FROM NON- PARTIES	TO PARTIES	TO NON-PARTIES
<u>GROUP 1</u>								
CFC12 (HCFC-21)								
CHF2Cl (HCFC-22)								
CH2FC1 (HCFC-31)								
C2HFC14 (HCFC-121)								
C2HF2Cl3 (HCFC-122)								
C2HF3Cl2 (HCFC-123)								
C2HF4Cl (HCFC-124)								
C2H2FC13 (HCFC-131)								
C2H2F2Cl2 (HCFC-132)								
C2H2F3Cl (HCFC-133)								
C2H3FC12 (HCFC-141)								
C2H3F2Cl (HCFC-142)								
C2H4FC1 (HCFC-151)								
C3HFC16 (HCFC-221)								
C3HF2Cl5 (HCFC-222)								
C3HF3Cl4 (HCFC-223)								
C3HF4Cl3 (HCFC-224)								
C3HF5Cl2 (HCFC-225)								
C3HF6Cl (HCFC-226)								
C3H2FC15 (HCFC-231)								
C3H2F2Cl4 (HCFC-232)								

/...

