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BOX 33



UNEP

Production and Consumption of Ozone Depleting Substances 1986 - 1995

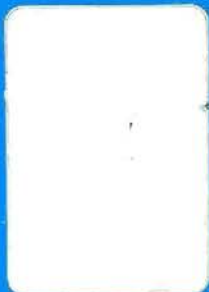
Ozone Secretariat



VIENNA CONVENTION
MONTREAL PROTOCOL

September 1997

Tenth Anniversary of the Montreal Protocol



Preface

1. This report contains data on the production and consumption of ozone-depleting substances (ODS), as reported to the Secretariat by the Parties to the Montreal Protocol on Substances that Deplete the Ozone Layer during the period 1986-1995. The Secretariat has arranged the data provided by the Parties into the groups for which control measures are prescribed in the Protocol. To calculate the figures for each group, the figures reported by the Parties for each substance of the group in metric tonnes have been multiplied by the ozone-depleting potential (ODP) of that substance and added together.
2. The substances subject to the controls introduced in 1987, 1990 and 1992 are as follows:
 - (a) Montreal Protocol, 1987 - Annex A, Group I: chlorofluorocarbons (CFCs) and Group II: halons;
 - (b) London Amendment, 1990 - Annex B, Group I: other fully halogenated CFCs, Group II: carbon tetrachloride and Group III: methyl chloroform;
 - (c) Copenhagen Amendment, 1992 - Annex C, Group I: hydrochlorofluorocarbons (HCFCs) and Group II: hydrobromofluorocarbons (HBFCs); Annex E: methyl bromide.

The London Amendment also introduced reporting obligations on HCFCs as transitional substances, even though no control measures were prescribed. The control measures applicable as at the end of 1997 are annexed.

3. In the tables, a hyphen (-) has been used where Parties were not required to report data and the abbreviation N.R. (not reported) where Parties are required to report but have not. Data have not been received by the Secretariat for all the groups of substances or for all the years. Among the many reasons for these are the following.
4. One reason is that Parties are required to report, and are bound by the control measures, on only those substances controlled by the Protocol and the Amendment which they have ratified. The Montreal Protocol has so far been ratified by 162 Parties while the London Amendment has been ratified by only 115 Parties, and the Copenhagen Amendment by only 69 Parties. The reporting obligations of the different Parties are:
 - (a) Parties which have ratified only the Montreal Protocol: Annex A substances;
 - (b) Parties which have ratified the Protocol and its London Amendment: Annex A and B substances and transitional substances (HCFCs);
 - (c) Parties which have ratified the Copenhagen Amendment: Annex A, B, C and E substances.

5. The London Amendment entered into force on 10 August 1992 and the Copenhagen Amendment on 14 June 1994. Therefore, for Annex B and Annex E substances, there are no reporting requirements prior to 1992 and 1994, respectively. Under the London Amendment Parties are required to report on Annex C substances as transitional substances.
6. Annexes A, B, C and E of the Protocol are attached to this report. Parties have not reported for all the years because Article 7 mandates each Party to report, *inter alia*, only for the years after the entry into force of the Protocol or Amendments for that Party. The yearly ratifications of the Protocol and its Amendments are given in the table below:

Yearly Ratifications

	Montreal Protocol 1987	London Amendment 1990	Copenhagen Amendment 1992
To the end of 1988	30	-	-
1989	22	-	-
1990	13	2	-
1991	10	14	-
1992	23	27	-
1993	33	32	14
1994	15	26	22
1995	5	3	14
1996	10	9	14
1997	1	2	5

7. Some developing countries have yet to provide full reports. Under Article 5 of the Montreal Protocol, developing countries with per capita consumption below the limits prescribed in that Article are entitled to delay the implementation of the control measures of the Protocol. Such Parties are eligible for financial assistance from the Multilateral Fund in accordance with Article 10 of the Protocol. The Multilateral Fund provides assistance to such Parties for institutional strengthening, for the preparation of a country programme to implement the control measures and for ODS phase-out projects. It has been recognized that many developing countries may be unable to submit their data until their country programmes have been prepared. The Sixth Meeting of the Parties permitted temporary classification of non-reporting developing country Parties as operating under Article 5 for a period of two years. It also mandated that the Parties operating under Article 5 must report their data within one year of the approval of their country programme by the Executive

Committee of the Multilateral Fund. As can be seen from the data, some developing countries have yet to report their data. These countries are being helped by the Multilateral Fund to prepare their country programmes.

8. Some of the production or consumption figures may be negative. Production has been defined under the Protocol as production minus the amount destroyed minus the amount entirely used as feedstock in the manufacture of other chemicals. Consumption is defined as production plus imports minus exports of controlled substances. Since the figures are for each calendar year, it is quite possible that in some years the feedstock figure may exceed the production figure of that year, if the feedstock use is from a carry-over stock. The production could be negative in such cases. For the same reason, the consumption could also be negative.
9. For Parties which have reported production of ODS, but have not reported the quantities of ODS which they imported and exported, their consumption (defined by the Protocol as: production plus imports minus exports) is noted as "not reported" (N.R.).
10. Since the entry into force of the Montreal Protocol in 1989, many political changes have come about. Many States have emerged in the place of the former Soviet Union. Similar changes have occurred in Yugoslavia and the former Czechoslovakia. The European Community has also expanded its membership from 12 to 15 during this period. The data report contains appropriate footnotes to explain the basis of the various figures given, taking into account these political changes.
11. In this data report, the Secretariat has not attempted a time series or regional analysis. The main obstacle to such an analysis is that comparisons are only possible for the countries which reported for all the years and not all countries have made such reports. No doubt, researchers throughout the world will undertake detailed statistical analyses, with interesting results. The present report benefited from the analysis made by Dr. S. Oberthuer, of Ecologic of Germany, supported by the German Agency for Technical Cooperation.
12. The Secretariat hopes that this publication will be of interest to many readers and it would be grateful for any suggestions on ways of improving the format of presentation or for any corrections. The Secretariat hopes to present an update of this publication every year, after taking into account any suggestions received.

K.M. Sarma
Executive Secretary
Ozone Secretariat
United Nations Environment Programme

Summary of control measures under the Montreal Protocol

Note: An Article 5(1) Party is a party classified at a meeting of the parties as a developing country and whose annual per capita consumption of Annex A and Annex B substances are below the limits set in Article 5 of the Montreal Protocol.

Annex A – Group I: Chlorofluorocarbons (CFC-11, CFC-12, CFC-113, CFC-114 and CFC-115)

Applicable to production and consumption

Non-Article 5(1) Parties

Base level: 1986

Freeze: July 1, 1989, and 10 percent of base level production allowed to be produced additionally to meet the basic domestic needs of parties operating under Article 5(1).

75 percent: January 1, 1994, and 10 percent of base level production allowed to be produced additionally to meet the basic domestic needs of parties operating under Article 5(1).

100 percent: January 1, 1996 (with possible exemptions for essential uses), and 15 percent of base level production allowed to be produced additionally to meet the basic domestic needs of parties operating under Article 5(1).

Article 5(1) Parties

Base level: Average of 1995–97

Freeze: July 1, 1999 and 10 percent of base level production allowed to be produced additionally to meet the basic domestic needs of parties operating under Article 5(1).

50 percent: January 1, 2005, and 10 percent of base level production allowed to be produced additionally to meet the basic domestic needs of parties operating under Article 5(1).

85 percent: January 1, 2007 and 10 percent of base level production allowed to be produced additionally to meet the basic domestic needs of parties operating under Article 5(1).

100 percent: January 1, 2010 (with possible exemptions for essential uses) and 15 percent of base level production allowed to be produced additionally to meet the basic domestic needs of parties operating under Article 5(1).

Annex A – Group II: Halons (halon 1211, halon 1301 and halon 2402)

Applicable to production and consumption

Non-Article 5(1) Parties

Base level: 1986

Freeze: January 1, 1992 and 10 percent of base level production allowed to be produced additionally to meet the basic domestic needs of parties operating under Article 5(1).

100 percent: January 1, 1994 (with possible exemptions for essential uses), and 15 percent of base level production allowed to be produced additionally to meet the basic domestic needs of parties operating under Article 5(1).

Article 5(1) Parties

Base level: Average of 1995–97

Freeze: January 1, 2002 and 10 percent of base level production allowed to be produced additionally to meet the basic domestic needs of parties operating under Article 5(1).

50 percent: January 1, 2005, and 10 percent of base level production allowed to be produced additionally to meet the basic domestic needs of parties operating under Article 5(1).

100 percent: January 1, 2010 (with possible exemptions for essential uses) and 15 percent of base level production allowed to be produced additionally to meet the basic domestic needs of parties operating under Article 5(1).

Annex B – Group I: Other fully halogenated CFCs (CFC-13, CFC-111, CFC-112, CFC-211, CFC-212, CFC-213, CFC-214, CFC-215, CFC-216, CFC-217)

Applicable to production and consumption

Non-Article 5(1) Parties

Base level: 1989

20 percent: January 1, 1993 and 10 percent of base level production allowed to be produced additionally to meet the basic domestic needs of parties operating under Article 5(1).

75 percent: January 1, 1994 and 10 percent of base level production allowed to be produced additionally to meet the basic domestic needs of parties operating under Article 5(1).

100 percent: January 1, 1996 (with possible exemptions for essential uses), and 15 percent of base level production allowed to be produced additionally to meet the basic domestic needs of parties operating under Article 5(1).

Article 5(1) Parties

Base level: Average of 1998–2000

20 percent: January 1, 2003, and 10 percent of base level production allowed to be produced additionally to meet the basic domestic needs of parties operating under Article 5(1).

85 percent: January 1, 2007 10 percent of base level production allowed to be produced additionally to meet the basic domestic needs of parties operating under Article 5(1).

100 percent: January 1, 2010 (with possible exemptions for essential uses), and 15 percent of base level production allowed to be produced additionally to meet the basic domestic needs of parties operating under Article 5(1).

Annex B – Group II: Carbon tetrachloride

Applicable to production and consumption

Non-Article 5(1) Parties

Base level: 1989

85 percent: January 1, 1995 and 10 percent of base reduction level production allowed to be produced additionally to meet the basic domestic needs of parties operating under Article 5(1).

100 percent: January 1, 1996 (with possible reduction exemptions for essential uses), and 15 percent of base level production allowed to be produced additionally to meet the basic domestic needs of parties operating under Article 5(1).

Article 5(1) Parties

Base level: Average of 1998–2000

85 percent: January 1, 2005 and 10 percent of base reduction level production allowed to be produced additionally to meet the basic domestic needs of parties operating under Article 5(1).

100 percent: January 1, 2010 (with possible reduction exemptions for essential uses), and 15 percent of base level production allowed to be produced additionally to meet the basic domestic needs of parties operating under Article 5(1).

Annex B – Group III: 1,1,1-trichloroethane (methyl chloroform)

Applicable to production and consumption

Non-Article 5(1) Parties

Base level: 1989

Freeze: January 1, 1993 and 10 percent of base level production allowed to be produced additionally to meet the basic domestic needs of parties operating under Article 5(1).

50 percent: January 1, 1994 and 10 percent of base reduction level production allowed to be produced additionally to meet the basic domestic needs of parties operating under Article 5(1).

100 percent: January 1, 1996 (with possible reduction exemptions for essential uses), and 15 percent of base level production allowed to be produced additionally to meet the basic domestic needs of parties operating under Article 5(1).

Article 5(1) Parties

Base level: Average of 1998–2000

Freeze: January 1, 2003 and 10 percent of base level production allowed to be produced additionally to meet the basic domestic needs of parties operating under Article 5(1).

30 percent: January 1, 2005 and 10 percent of base reduction level production allowed to be produced additionally to meet the basic domestic needs of parties operating under Article 5(1).

70 percent: January 1, 2010 and 10 percent of base reduction level production allowed to be produced additionally to meet the basic domestic needs of parties operating under Article 5(1).

100 percent: January 1, 2015 (with possible reduction exemptions for essential uses), and 15 percent of base level production allowed to be produced additionally to meet the basic domestic needs of parties operating under Article 5(1).

Annex C – Group I: HCFCs

Applicable only to consumption

Non-Article 5(1) Parties

Base level: 1989 HCFC consumption + 2.8 percent of 1989 CFC consumption

Freeze: 1996.

35 percent: January 1, 2004.
reduction

65 percent: January 1, 2010.
reduction

90 percent: January 1, 2015.
reduction

99.5 percent: January 1, 2020, and thereafter,
reduction consumption restricted to the servicing
of refrigeration and air-conditioning
equipment existing at that date.

100 percent: January 1, 2030.
reduction

Annex C – Group II
HBFCs

Applicable to production and consumption

Non-Article 5(1) Parties

100 percent: January 1, 1996 (with possible
reduction exemptions for essential uses)

Article 5(1) Parties

Base level: 2015 consumption

Freeze: January 1, 2016

100 percent: January 1, 2040.
reduction

Article 5(1) Parties

100 percent: January 1, 1996 (with possible
reduction exemptions for essential uses)

Annex E: Methyl bromide

Applicable to production and consumption, amounts used for quarantine and preshipment applications exempted.

Non-Article 5(1) Parties

Base level:	1991
Freeze:	January 1, 1995 and 10 percent of base level production allowed to be produced additionally to meet the basic domestic needs of parties operating under Article 5(1).
25 percent: reduction	January 1, 2001 and 10 percent of base level production allowed to be produced additionally to meet the basic domestic needs of parties operating under Article 5(1).
50 percent: reduction	January 1, 2005 and 10 percent of base level production allowed to be produced additionally to meet the basic domestic needs of parties operating under Article 5(1).
100 percent: reduction	January 1, 2010 with possible critical agricultural use exemptions and 15 percent of base level production allowed to be produced additionally to meet the basic domestic needs of parties operating under Article 5(1).

Article 5(1) Parties

Base level:	Average of 1995–98
Freeze:	January 1, 2002 and 10 percent of base level production allowed to be produced additionally to meet the basic domestic needs of parties operating under Article 5(1).

Annex A: Controlled substances

Group	Substance	Ozone-Depleting Potential*
<i>Group I</i>		
	CFC ₁ ₃	(CFC-11) 1.0
	CF ₂ Cl ₂	(CFC-12) 1.0
	C ₂ F ₃ Cl ₃	(CFC-113) 0.8
	C ₂ F ₄ Cl ₂	(CFC-114) 1.0
	C ₂ F ₅ Cl	(CFC-115) 0.6
<i>Group II</i>		
	CF ₂ BrCl	(halon-1211) 3.0
	CF ₃ Br	(halon-1301) 10.0
	C ₂ F ₄ Br ₂	(halon-2402) 6.0

* These ozone depleting potentials are estimates based on existing knowledge and will be reviewed and revised periodically.

Annex B: Controlled substances

Group	Substance	Ozone-Depleting Potential
<i>Group I</i>		
	CF ₃ Cl	(CFC-13) 1.0
	C ₂ FCl ₅	(CFC-111) 1.0
	C ₂ F ₂ Cl ₄	(CFC-112) 1.0
	C ₃ FCl ₇	(CFC-211) 1.0
	C ₃ F ₂ Cl ₆	(CFC-212) 1.0
	C ₃ F ₃ Cl ₅	(CFC-213) 1.0
	C ₃ F ₄ Cl ₄	(CFC-214) 1.0
	C ₃ F ₅ Cl ₃	(CFC-215) 1.0
	C ₃ F ₆ Cl ₂	(CFC-216) 1.0
	C ₃ F ₇ Cl	(CFC-217) 1.0
<i>Group II</i>		
	CCl ₄	carbon tetrachloride 1.1
<i>Group III</i>		
	C ₂ H ₃ Cl ₃ *	1,1,1-trichloroethane* (methyl chloroform) 0.1

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

Annex C: Controlled substances

Group	Substance	Number of isomers	Ozone-Depleting Potential*	
<i>Group I</i>				
	CHFCI ₂	(HCFC-21)**	1	0.04
	CHF ₂ Cl ₂	(HCFC-22)**	1	0.055
	CH ₂ FCI	(HCFC-31)	1	0.02
	C ₂ HFCI ₄	(HCFC-121)	2	0.01–0.04
	C ₂ HF ₂ Cl ₃	(HCFC-122)	3	0.02–0.08
	C ₂ HF ₃ Cl ₂	(HCFC-123)	3	0.02–0.06
	CHCl ₂ CF ₃	(HCFC-123)**	–	0.02
	C ₂ HF ₄ Cl	(HCFC-124)	2	0.02–0.04
	CHFCICF ₃	(HCFC-124)**	–	0.022
	C ₂ H ₂ FCI ₃	(HCFC-131)	3	0.007–0.05
	C ₂ H ₂ F ₂ Cl ₂	(HCFC-132)	4	0.008–0.05
	C ₂ H ₂ F ₃ Cl	(HCFC-133)	3	0.02–0.06
	C ₂ H ₃ FCI ₂	(HCFC-141)	3	0.005–0.07
	CH ₃ CFCl ₂	(HCFC-141b)**	–	0.11
	C ₂ H ₃ F ₂ Cl	(HCFC-142)	3	0.008–0.07
	CH ₃ CF ₂ Cl	(HCFC-142b)**	–	0.065
	C ₂ H ₄ FCI	(HCFC-151)	2	0.003–0.005
	C ₃ HFCI ₆	(HCFC-221)	5	0.015–0.07
	C ₃ HF ₂ Cl ₅	(HCFC-222)	9	0.01–0.09
	C ₃ HF ₃ Cl ₄	(HCFC-223)	12	0.01–0.08
	C ₃ HF ₄ Cl ₃	(HCFC-224)	12	0.01–0.09
	C ₃ HF ₅ Cl ₂	(HCFC-225)	9	0.02–0.07
	CF ₃ CF ₂ CHCl ₂	(HCFC-225ca)**	–	0.025
	CF ₂ ClCF ₂ CHClF	(HCFC-225cb)**	–	0.033
	C ₃ HF ₆ Cl	(HCFC-226)	5	0.02–0.10
	C ₃ H ₂ FCI ₅	(HCFC-231)	9	0.05–0.09
	C ₃ H ₂ F ₂ Cl ₄	(HCFC-232)	16	0.008–0.10
	C ₃ H ₂ F ₃ Cl ₃	(HCFC-233)	18	0.007–0.23
	C ₃ H ₂ F ₄ Cl ₂	(HCFC-234)	16	0.01–0.28
	C ₃ H ₂ F ₅ Cl	(HCFC-235)	9	0.03–0.52
	C ₃ H ₃ FCI ₄	(HCFC-241)	12	0.004–0.09
	C ₃ H ₃ F ₂ Cl ₃	(HCFC-242)	18	0.005–0.13
	C ₃ H ₃ F ₃ Cl ₂	(HCFC-243)	18	0.007–0.12
	C ₃ H ₃ F ₄ Cl	(HCFC-244)	12	0.009–0.14
	C ₃ H ₄ FCI ₃	(HCFC-251)	12	0.001–0.01
	C ₃ H ₄ F ₂ Cl ₂	(HCFC-252)	16	0.005–0.04
	C ₃ H ₄ F ₃ Cl	(HCFC-253)	12	0.003–0.03
	C ₃ H ₅ FCI ₂	(HCFC-261)	9	0.002–0.02
	C ₃ H ₅ F ₂ Cl	(HCFC-262)	9	0.002–0.02
	C ₃ H ₆ FCI	(HCFC-271)	5	0.001–0.03

Group	Substance	Number of isomers	Ozone-Depleting Potential*
<i>Group II</i>			
	CHBr ₂	1	1.00
	CH ₂ Br (HBFC-22B1)	1	0.74
	CH ₂ FBr	1	0.73
	C ₂ H ₂ Br ₄	2	0.3-0.8
	C ₂ H ₂ F ₂ Br ₃	3	0.5-1.8
	C ₂ H ₂ F ₃ Br ₂	3	0.4-1.6
	C ₂ H ₂ F ₄ Br	2	0.7-1.2
	C ₂ H ₂ F ₂ Br ₃	3	0.1-1.1
	C ₂ H ₂ F ₂ Br ₂	4	0.2-1.5
	C ₂ H ₂ F ₃ Br	3	0.7-1.6
	C ₂ H ₃ FBr ₂	3	0.1-1.7
	C ₂ H ₃ F ₂ Br	3	0.2-1.1
	C ₂ H ₄ FBr	2	0.07-0.1
	C ₃ H ₂ Br ₆	5	0.3-1.5
	C ₃ H ₂ F ₂ Br ₅	9	0.2-1.9
	C ₃ H ₂ F ₃ Br ₄	12	0.3-1.8
	C ₃ H ₂ F ₄ Br ₃	12	0.5-2.2
	C ₃ H ₂ F ₅ Br ₂	9	0.9-2.0
	C ₃ H ₂ F ₆ Br	5	0.7-3.3
	C ₃ H ₃ FBr ₅	9	0.1-1.9
	C ₃ H ₃ F ₂ Br ₄	16	0.2-2.1
	C ₃ H ₃ F ₃ Br ₃	18	0.2-5.6
	C ₃ H ₃ F ₄ Br ₂	16	0.3-7.5
	C ₃ H ₃ F ₅ Br	8	0.9-1.4
	C ₃ H ₃ F ₆	12	0.08-1.9
	C ₃ H ₃ F ₂ Br ₃	18	0.1-3.1
	C ₃ H ₃ F ₃ Br ₂	18	0.1-2.5
	C ₃ H ₃ F ₄ Br	12	0.3-4.4
	C ₃ H ₄ FBr ₃	12	0.03-0.3
	C ₃ H ₄ F ₂ Br ₂	16	0.1-1.0
	C ₃ H ₄ F ₃ Br	12	0.07-0.8
	C ₃ H ₅ FBr ₂	9	0.04-0.4
	C ₃ H ₅ F ₂ Br	9	0.07-0.8
	C ₃ H ₆ FBr	5	0.02-0.7

* Where a range of ODPs is indicated, the highest value in that range shall be used for the purposes of the Protocol. The ODPs listed as a single value have been determined from calculations based on laboratory measurements. Those listed as a range are based on estimates and are less certain. The range pertains to an isomeric group. The upper value is the estimate of the ODP of the isomer with the highest ODP, and the lower value is the estimate of the ODP of the isomer with the lowest ODP.

** Identifies the most commercially viable substances with ODP values listed against them to be used for the purposes of the Protocol.

Annex D: A list of products containing controlled substances specified in Annex A**

Products	Customs code number
1. Automobile and truck air conditioning units (whether incorporated in vehicles or not)
2. Domestic and commercial refrigeration and air conditioning/heat pump equipment*** e.g. Refrigerators Freezers Dehumidifiers Water coolers Ice machines Air conditioning and heat pump units
3. Aerosol products, except medical aerosols
4. Portable fire extinguisher
5. Insulation boards, panels and pipe covers
6. Pre-polymers

* This Annex was adopted by the Third Meeting of the Parties in Nairobi, 21 June 1991 as required by paragraph 3 of Article 4 of the Protocol.

** Though not when transported in consignments of personal or household effects or in similar non-commercial situations normally exempted from customs attention.

*** When containing controlled substances in Annex A as a refrigerant and/or in insulating material of the product.

Annex E: Controlled substance

Group	Substance	Ozone-Depleting Potential
Group I CH ₃ Br	methyl bromide	0.6

**PARTIES THAT HAVE NOT REPORTED DATA DURING THE PERIOD
1986-1995 AND DO NOT APPEAR IN TABLES 1-14**

List of Parties who have not reported data at all

1. Chad
2. Comoros
3. Congo, Democratic Republic of the
4. Democratic Peoples Republic of Korea
5. Grenada
6. Honduras
7. Kiribati
8. Mali
9. Marshall Islands
10. Micronesia
11. Nepal
12. Nicaragua
13. Paraguay
14. Samoa
15. Turkmenistan
16. Tuvalu
17. Vanuatu

List of Parties that have not reported data for Annexes A, B, C and E.

PARTY	ANNEX(ES) FOR WHICH NO DATA WAS REPORTED
1. Antigua and Barbuda	B/I, B/II, B/III, C/I, E/I.
2. Bosnia and Herzegovina	A/II, B/I, B/III, E/I.
3. European Community	E/I.
4. Gabon	A/II.
5. Guinea	C/I.

Table 1: Data on Production of CFCs (Annex A, Group I)
(in ODP tons, i.e. Metric Tonnes x Ozone Depletion Potential)

	Ratification date of the Montreal Protocol	Year									
		1986	1989	1990	1991	1992	1993	1994	1995		
Non-Article 5 Parties											
Africa											
SOUTH AFRICA	15/01/90	10800	9500	6639	4748	3437	3722	1947	1627		
Asia											
JAPAN	30/09/88	119998	146744	109311	99362	65670	48777	21593	29757		
Eastern Europe											
CZECH REPUBLIC	01/01/93	1978	2122	-	-	-	897	231	320		
RUSSIAN FEDERATION	10/11/88	105296	104186	103696	84289	62127	40580	42526	39322		
Western Europe and others											
AUSTRALIA	19/05/89	15385	17613	8263	7485	6753	6644	4452	3850		
CANADA	30/06/88	19104	17895	11959	8330	13694	1135	0	0		
FRANCE	28/12/88	71018	55206	38989	22896	3757	3061	3688	244		
GERMANY	16/12/88	123653	104096	78470	63401	57698	51258	15997	0		
GREECE	29/12/88	14045	12372	8559	11397	N.R.	11867	3505	2453		
ITALY	16/12/88	56656	48840	36395	35087	40997	36036	9842	5931		
NETHERLANDS	16/12/88	42331	41294	33288	22432	30777	34713	21013	10417		
SPAIN	16/12/88	33728	30833	23596	25292	30752	9405	18729	5435		
U.K.	16/12/88	102014	74178	58081	54360	42815	25731	7091	4029		
U.S.A.	21/04/88	311021	320436	199697	172164	152730	127712	78208	34728		
Article 5 Parties											
Asia											
CHINA	14/06/91	11540	20700	20688	26018	24941	31658	50809	46655		
INDIA	19/06/92	2202	4317	-	-	6097	11439	16646	21780		
KOREA, REPUBLIC OF	27/02/92	1405	8249	-	-	9686	8507	8836	9746		
Eastern Europe											

N R Data not reported for the year
Not required to report

Table 1: Data on Production of CFCs (Annex A, Group I)
(in ODP tons, i.e. Metric Tonnes x Ozone Depletion Potential)

	Ratification date of the Montreal Protocol	Year									
		1986	1989	1990	1991	1992	1993	1994	1995		
ROMANIA	27/01/93	0	-	-	-	-	508	191	22		
Latin America and the Caribbean											
ARGENTINA	18/09/90	5574	2960	3201	3257	1650	1536	1260	N.R.		
BRAZIL	19/03/90	10218	9110	8539	9551	N.R.	11493	13130	9071		
MEXICO	31/03/88	8609	7684	9474	N.R.	9964	12525	15417	15737		
VENEZUELA	06/02/89	4790	4211	4037	3710	5285	5303	4620	4285		

Table 2: Data on Production of Halons (Annex A, Group II)
(in ODP tons, i.e. Metric Tonnes x Ozone Depletion Potential)

	Ratification date of the Montreal Protocol	1988	1989	1990	1991	1992	1993	1994	1995
<u>Non-Article 5 Parties</u>									
Asia									
JAPAN	30/09/88	28419	26556	28131	N.R.	20140	9290	0	0
Eastern Europe									
RUSSIAN FEDERATION									
	10/11/88	27800	15240	27800	11450	8996	2550	1446	1086
Western Europe and others									
FRANCE	28/12/88	34465	38443	23776	32248	23216	20840	0	0
GERMANY	16/12/88	18134	17803	15910	12551	N.R.	N.R.	0	0
ITALY	16/12/88	2094	N.R.	N.R.	N.R.	0	N.R.	0	0
U. K.	16/12/88	16500	15291	15036	11205	12402	4182	0	0
U. S. A.	21/04/88	58756	61229	51401	41565	25843	18915	0	0
<u>Article 5 Parties</u>									
Asia									
CHINA	14/06/91	11200	10600	10800	10800	11000	12400	21550	37350
INDIA	19/06/92	0	-	-	-	348	261	396	241
KOREA, REPUBLIC OF	27/02/92	0	-	-	-	3050	2751	3074	3400

N.R. Data not reported for the year
Not required to report

Table 3: Data on Production of Other Fully Halogenated CFCs (Annex B, Group I)
 (in ODP tons, i.e. Metric Tonnes x Ozone Depletion Potential)

	Ratification dates of the		Year				
	Montreal Protocol	London Amendment	1989	1992	1993	1994	1995
<u>Non-Article 5 Parties</u>							
Asia							
JAPAN	30/09/88	04/09/91	2341	N.R.	808	136	0
Eastern Europe							
RUSSIAN FEDERATION							
	10/11/88	13/01/92	300	17	1	25	25
Western Europe and others							
GERMANY	16/12/88	27/02/91	61	20	32	13	0
NETHERLANDS	16/12/88	20/12/91	23	0	19	1	0
U. K.	16/12/88	20/12/91	15	N.R.	N.R.	0	0
U. S. A.	21/04/88	18/12/91	577	75	105	101	39
<u>Article 5 Parties</u>							
Latin America and the Caribbean							
ARGENTINA	18/09/90	04/12/92	0	11	0	0	N.R.

N.R. Data not reported for the year
 Not required to report

Table 4: Data on Production of Carbon Tetrachloride (Annex B, Group II)
(in ODP tons, i.e. Metric Tonnes x Ozone Depletion Potential)

	Ratification dates of the		Year.				
	Montreal Protocol	London Amendment	1989	1992	1993	1994	1995
<u>Non-Article 5 Parties</u>							
Africa							
SOUTH AFRICA	15/01/90	12/05/92	12687	7139	4774	6340	4931
Asia							
JAPAN	30/09/88	04/09/91	19602	N.R.	53171	N.R.	2463
Eastern Europe							
CZECH REPUBLIC	01/01/93	18/12/96	5286	-	-57	0	1
POLAND	13/07/90	02/10/96	3960	-	4963	4916	-
RUSSIAN FEDERATION	10/11/88	13/01/92	2750	2200	2200	3373	2735
UKRAINE	20/09/88	06/02/97	10330	-	0	10330	9865
Western Europe and others							
BELGIUM	30/12/88	05/10/93	26592	23257	0	0	0
CANADA	30/06/88	05/07/90	29310	N.R.	6978	3643	2553
FRANCE	28/12/88	12/02/92	5119	966	1551	788	359
GERMANY	16/12/88	27/02/91	8067	515	180	0	0
ITALY	16/12/88	21/02/92	8769	4166	457	0	-14
SPAIN	16/12/88	19/05/92	40634	4347	4400	6600	0
U. K.	16/12/88	20/12/91	14094	7480	602	623	0
U. S. A.	21/04/88	18/12/91	56036	12126	16225	15225	8932
<u>Article 5 Parties</u>							
Asia							
CHINA	14/06/91	14/06/91	0	-11220	-3097	-36792	35413
INDIA	19/06/92	19/06/92	4758	1958	-1036	8433	-21788
KOREA, REPUBLIC OF	27/02/92	10/12/92	0	1887	2198	2369	3772
Eastern Europe							
ROMANIA	27/01/93	27/01/93	11879	-	7646	6283	4665

N.R. Data not reported for the year
Not required to report

Table 4: Data on Production of Carbon Tetrachloride (Annex B, Group II)
 (in ODP tons, i.e. Metric Tonnes x Ozone Depletion Potential)

	Ratification dates of the		Year				
	Montreal Protocol	London Amendment	1989	1992	1993	1994	1995
Latin America and the Caribbean							
ARGENTINA	18/09/90	04/12/92	5291	0	0	0	N.R.
BRAZIL	19/03/90	01/10/92	46871	N.R.	0	35208	11462
MEXICO	31/03/88	11/10/91	0	-6546	-10998	13177	12077

Table 5: Data on Production of Methyl Chloroform (Annex B, Group III)
(in ODP tons, i.e. Metric Tonnes x Ozone Depletion Potential)

	Ratification dates of the		Year				
	Montreal Protocol	London Amendment	1989	1992	1993	1994	1995
<u>Non-Article 5 Parties</u>							
Asia							
JAPAN	30/09/88	04/09/91	15636	N.R.	7146	464	5248
Eastern Europe							
RUSSIAN FEDERATION							
	10/11/88	13/01/92	330	400	100	197	203
Western Europe and others							
CANADA	30/06/88	05/07/90	1132	N.R.	0	0	0
FRANCE	28/12/88	12/02/92	6170	5427	2422	1705	1333
GERMANY	16/12/88	27/02/91	6895	5534	3006	1136	0
U. K.	16/12/88	20/12/91	7810	7276	5371	5520	0
U. S. A.	21/04/88	18/12/91	31517	25723	20637	5795	4599
<u>Article 5 Parties</u>							
Asia							
CHINA	14/06/91	14/06/91	0	20	19	-75	140
INDIA	19/06/92	19/06/92	47	48	56	0	0
Eastern Europe							
ROMANIA	27/01/93	27/01/93	27	-	10	8	6
Latin America and the Caribbean							
BRAZIL	19/03/90	01/10/92	1130	N.R.	0	39	0

N.R. Data not reported for the year
Not required to report

Table 6: Data on Production of HCFCs (Annex C, Group I)
(in ODP tons, i.e. Metric Tonnes x Ozone Depletion Potential)

	Ratification dates of the		Year				
	Montreal Protocol	London Amendment	1989	1992	1993	1994	1995
Non-Article 5 Parties							
Africa							
SOUTH AFRICA	15/01/90	12/05/92	0	57	84	87	57
Asia							
JAPAN	30/09/88	04/09/91	1639	2591	4556	N.R.	0
Eastern Europe							
RUSSIAN FEDERATION	10/11/88	13/01/92	1084	267	172	198	184
Western Europe and others							
AUSTRALIA	19/05/89	11/08/92	132	124	170	95	84
CANADA	30/06/88	05/07/90	246	N.R.	43	229	59
FRANCE	28/12/88	12/02/92	792	2046	2890	4724	5798
GERMANY	16/12/88	27/02/91	511	595	480	611	641
GREECE	29/12/88	11/05/93	75	-	189	252	377
ITALY	16/12/88	21/02/92	337	452	499	551	670
NETHERLANDS	16/12/88	20/12/91	514	-3	167	33	844
SPAIN	16/12/88	19/05/92	482	N.R.	413	98	741
U. K.	16/12/88	20/12/91	888	779	587	1198	1368
U. S. A.	21/04/88	18/12/91	6565	5561	N.R.	12342	14893
Article 5 Parties							
Asia							
CHINA	14/06/91	14/06/91	N.R.	306	699	1308	1256
INDIA	19/06/92	19/06/92	119	206	265	266	314
KOREA, REPUBLIC OF	27/02/92	10/12/92	130	219	248	266	307

N.R. Data not reported for the year
Not required to report

Table 6: Data on Production of HCFCs (Annex C, Group I)
 (in ODP tons, i.e. Metric Tonnes x Ozone Depletion Potential)

	Ratification dates of the		1989	1992	1993	1994	1995
	Montreal Protocol	London Amendment					
Latin America and the Caribbean							
ARGENTINA	18/09/90	04/12/92	27	-	9	10	N.R.
BRAZIL	19/03/90	01/10/92	184	N.R.	181	232	216
MEXICO	31/03/88	11/10/91	62	178	158	126	118
VENEZUELA	06/02/89	29/07/93	80	113	113	84	87

Table 7: Data on Production of Methyl Bromide (Annex E, Group I)

(in ODP tons, i.e. Metric Tonnes x Ozone Depletion Potential)

	Ratification dates of the		Year		
	Montreal Protocol	Copenhagen Amendment	1991	1994	1995
<u>Non-Article 5 Parties</u>					
Asia					
ISRAEL	30/06/92	05/04/95	14705	-	14528
JAPAN	30/09/88	20/12/94	3376	-	3162
Eastern Europe					
UKRAINE	20/09/88		0	0	841
Western Europe and others					
FRANCE	28/12/88	03/01/96	2189	-	2148
U.S.A.	21/04/88	02/03/94	19096	16930	14365
<u>Article 5 Parties</u>					
Asia					
CHINA	14/06/91		-	-	171
INDIA	19/06/92		74	-	-
Eastern Europe					
ROMANIA	27/01/93		-	13	21

N.R. Data not reported for the year
Not required to report

Table 8: Data on Consumption of CFCs (Annex A, Group I)
(in ODP tons, i.e. Metric Tonnes x Ozone Depletion Potential)

	Ratification date of the Montreal Protocol	Year									
		1986	1989	1990	1991	1992	1993	1994	1995		
Non-Article 5 Parties											
Africa											
SOUTH AFRICA	15/01/90	12449	10656	6804	4795	3951	4127	2417	1680		
Asia											
ISRAEL	30/06/92	4142	-	-	-	4063	3524	897	1016		
JAPAN	30/09/88	118134	146609	97723	88436	58477	45165	19713	23064		
Eastern Europe											
BELARUS	31/10/88	2511	1544	1230	1185	914	914	900	-26		
BULGARIA	20/11/90	2940	2612	2034	1556	1279	690	684	322		
CZECH REPUBLIC	01/01/93	5461	5498	-	-	-	1039	403	369		
HUNGARY	20/04/89	5468	4848	4390	2290	1675	1381	844	566		
LATVIA	28/04/95	6102	4736	-	-	-	-	-	665		
LITHUANIA	18/01/95	5462	5607	4179	3814	2450	-	596	361		
POLAND	13/07/90	4986	4986	4939	2562	2537	2589	1678	1756		
RUSSIAN FEDERATION	10/11/88	100352	99242	98752	38949	36607	30130	23413	20990		
SLOVAKIA	28/05/93	1706	1979	-	-	609	986	229	N.R.		
UKRAINE	20/09/88	4725	9344	N.R.	N.R.	3432	1703	2421	747		
UZBEKISTAN	18/05/93	430	-	-	-	-	N.R.	N.R.	430		
Western Europe and others											
AUSTRALIA	19/05/89	14290	14293	7416	6812	5556	3409	3895	2585		
AUSTRIA *	03/05/89	7760	5860	1802	1738	1530	559	922	-		
CANADA	30/06/88	19958	18843	13174	8819	10747	4521	4853	4816		
EC **	16/12/88	301930	233337	170331	150640	126092	107327	44703	310		
FINLAND *	03/10/88	3301	1886	1859	1199	634	826	508	-		
ICELAND	29/08/89	195	140	133	93	65	62	31	0		

N.R. Data not reported for the year

- Not required to report

* Data for 1995 is contained in the EC figures

** Figures before 1995 contain data reported by the 12 members of the EC. Figure for 1995 contains data from the 15 members of the EC, including Austria, Finland and Sweden. Figures for 1989 for Annex A Group I and Annex C Group I substances are for 15 member states.

Table 8: Data on Consumption of CFCs (Annex A, Group I)

(in ODP tons, i.e. Metric Tonnes x Ozone Depletion Potential)

	Ratification date of the Montreal Protocol	1986	1989	1990	1991	1992	1993	1994	1995
LIECHTENSTEIN	08/02/89	37	13	3	19	10	6	3	1
MONACO	12/03/93	N.R.	0	-	-	6	9	5	N.R.
NEW ZEALAND	21/07/88	2088	1185	558	752	651	805	338	189
NORWAY	24/06/88	1313	908	722	414	255	221	175	3
SWEDEN*	29/06/88	4962	2552	1818	1119	1160	686	215	-
SWITZERLAND	28/12/88	7960	4023	2904	2186	1572	1206	741	275
U. S. A.	21/04/88	305964	317543	198308	174262	144856	111459	72534	35530
ALGERIA	20/10/92	6627	3570	-	-	-	2146	2226	2292
BENIN	01/07/93	15	79	58	37	44	37	37	37
BOTSWANA	04/12/91	3	6	-	-	12	15	8	8
BURKINA FASO	20/07/89	23	26	28	29	31	32	34	35
CAMEROON	30/08/89	119	N.R.	78	67	64	157	157	231
CENTRAL AFRICAN REP.	29/03/93	24	26	-	43	45	31	31	27
CONGO	16/11/94	17	8	-	53	-	-	27	14
COTE D'IVOIRE	05/04/93	142	188	-	258	-	204	338	354
EGYPT	02/08/88	2362	2373	2144	1960	2015	1746	1870	1640
ETHIOPIA	11/10/94	37	33	-	-	-	-	-	33
GABON	09/02/94	45	-	-	81	-	-	N.R.	N.R.
GAMBIA	25/07/90	7	-	15	11	12	21	N.R.	N.R.
GHANA	24/07/89	90	50	107	97	72	24	39	44
GUINEA	25/06/92	25	27	28	29	30	30	32	37
KENYA	09/11/88	230	230	230	105	47	47	273	301
LESOTHO	25/03/94	5	6	-	-	-	-	5	6
LIBYAN AR. JAMAHIRIYA	11/07/90	N.R.	-	67	N.R.	N.R.	N.R.	N.R.	N.R.

Article 5 Parties

Africa

Table 8: Data on Consumption of CFCs (Annex A, Group I)
(in ODP tons, i.e. Metric Tonnes x Ozone Depletion Potential)

	Ratification date of the Montreal Protocol	Year									
		1986	1989	1990	1991	1992	1993	1994	1995		
MALAWI	09/01/91	14	-	-	23	46	88	30	27		
MAURITANIA	26/05/94	15	17	-	-	-	17	23			
MAURITIUS	18/08/92	57	76	-	-	67	64	31	24		
MOROCCO	28/12/95	346	559	604	302	1070	630	757	707		
MOZAMBIQUE	09/09/94	55	18	-	-	-	-	27	20		
NAMIBIA	20/09/93	18	21	-	-	-	34	35	N.R.		
NIGER	09/10/92	15	15	16	17	18	17	17	19		
NIGERIA	31/10/88	N.R.	568	934	1020	1071	1996	1795	1536		
SENEGAL	06/05/93	142	93	97	100	102	156	118	151		
SEYCHELLES	06/01/93	2	1	3	4	5	10	4	4		
SUDAN	29/01/93	339	501	-	-	-	320	338	635		
SWAZILAND	10/11/92	10	-	-	-	-	83	83	35		
TANZANIA, UNITED REP. OF	16/04/93	40	88	-	-	-	185	263	280		
TOGO	25/02/91	35	39	-	N.R.	45	46	48	50		
TUNISIA	25/09/89	584	725	730	1055	568	581	508	758		
UGANDA	15/09/88	7	14	14	15	15	16	9	N.R.		
ZAMBIA	24/01/90	35	22	39	22	24	25	38	36		
ZIMBABWE	03/11/92	482	476	-	-	-	218	476	462		
BAHRAIN	27/04/90	104	92	107	85	119	111	118	120		
BANGLADESH	02/08/90	177	205	195	93	213	227	N.R.	N.R.		
BRUNEI DARUSSALAM	27/05/93	69	-	-	-	59	81	63	65		
CHINA	14/06/91	29237	34783	41829	50263	57045	66283	70779	74966		
CYPRUS	28/05/92	256	309	240	249	265	429	196	N.R.		
FIJI	23/10/89	2333	2506	38	42	8	7	0	60		
INDIA	19/06/92	2202	4358	-	-	4501	5277	6387	6402		

Table 8: Data on Consumption of CFCs (Annex A, Group I)
(in ODP tons, i.e. Metric Tonnes x Ozone Depletion Potential)

	Ratification date of the Montreal Protocol	1986	1989	1990	1991	1992	1993	1994	1995
INDONESIA	26/06/92	1705	-	-	-	3739	5020	2626	819
IRAN, ISLAMIC REP. OF	03/10/90	1276	2235	1366	4750	4750	4495	4328	4140
JORDAN	31/05/89	537	594	540	545	531	580	520	535
KOREA, REPUBLIC OF	27/02/92	8529	24126	-	-	19605	8728	10070	10039
KUWAIT	23/11/92	2528	1757	-	-	-	546	600	485
LEBANON	31/03/93	287	432	-	-	-	908	N.R.	N.R.
MALAYSIA	29/08/89	2190	3442	3384	3829	3421	3624	4730	3427
MALDIVES	16/05/89	0	2	4	6	6	6	N.R.	6
MYANMAR	24/11/93	1	-	-	-	16	-	2	6
PAKISTAN	18/12/92	678	927	751	674	945	1781	1823	574
PAPUA NEW GUINEA	27/10/92	48	-	-	28	39	39	N.R.	10
PHILIPPINES	17/07/91	1860	3261	2957	2023	2678	3779	3959	3382
QATAR	22/01/96	85	-	-	-	-	-	-	-
SAUDI ARABIA	01/03/93	5260	3688	-	-	833	3036	N.R.	N.R.
SINGAPORE	05/01/89	4052	679	3167	639	1372	1482	792	774
SOLOMON ISLANDS	17/06/93	0	-	2	2	3	N.R.	N.R.	N.R.
SRI LANKA	15/12/89	215	-	209	185	216	294	N.R.	520
SYRIAN ARAB REPUBLIC	12/12/89	1554	1195	1272	1326	1365	1406	2380	2370
THAILAND	07/07/89	2300	4595	6660	7904	9057	8053	6865	8248
TURKEY	20/09/91	4122	3220	3519	3223	4118	4451	2661	3789
UNITED ARAB EMIRATES	22/12/89	379	414	448	522	498	478	425	514
VIET NAM	26/01/94	N.R.	303	-	1107	-	303	380	480
BOSNIA AND HERZEGOVINA	06/03/92	329	219	-	145	N.R.	N.R.	N.R.	N.R.
CROATIA	08/10/91	515	515	464	337	253	253	196	194
GEORGIA	21/03/96	663	766	-	-	-	-	53	-

Eastern Europe

Table 8: Data on Consumption of CFCs (Annex A, Group I)

(in ODP tons, i.e. Metric Tonnes x Ozone Depletion Potential)

	Ratification date of the Montreal Protocol	1986	1989	1990	1991	1992	1993	1994	1995
ROMANIA	27/01/93	830	-	-	-	-	1649	960	544
SLOVENIA	06/07/92	2718	2391	343	222	1098	594	564	354
THE FORMER YUGOSLAV REP. OF MACEDONIA	10/03/94	1620	1174	-	-	-	-	N.R.	558
YUGOSLAVIA	03/01/91	7380	5779	4870	1090	-	-	-	-
Latin America and the Caribbean									
ANTIGUA & BARBUDA	03/12/92	407	395	-	404	405	402	N.R.	N.R.
ARGENTINA	18/09/90	5211	3463	2138	2797	4306	1806	4569	N.R.
BAHAMAS	04/05/93	51	57	-	-	1	66	68	31
BARBADOS	16/10/92	18	27	21	25	21	30	35	24
BOLIVIA	03/10/94	35	23	-	14	-	-	76	11
BRAZIL	19/03/90	10974	9110	8539	8504	N.R.	8210	10910	11639
CHILE	26/03/90	28	906	662	675	581	892	853	933
COLOMBIA	06/12/93	2611	-	2026	1686	-	-	2115	N.R.
COSTA RICA	30/07/91	243	342	-	267	216	222	184	159
CUBA	14/07/92	884	974	778	328	122	122	150	N.R.
DOMINICAN REPUBLIC	18/05/93	229	256	-	-	274	330	433	634
ECUADOR	30/04/90	573	458	N.R.	691	403	261	78	315
EL SALVADOR	02/10/92	332	384	-	423	645	467	301	471
GUATEMALA	07/11/89	482	421	N.R.	N.R.	N.R.	N.R.	212	193
GUYANA	12/08/93	13	-	19	17	23	N.R.	N.R.	42
JAMAICA	31/03/93	196	400	424	350	464	63	46	290
MEXICO	31/03/88	8818	6267	11117	N.R.	8513	10465	9652	4859
PANAMA	03/03/89	130	226	252	377	168	359	254	N.R.
PERU	31/03/93	1038	540	801	541	243	279	249	365
SAINT KITTS AND NEVIS	10/08/92	6	-	-	-	6	5	5	4
SAINT LUCIA	28/07/93	6	8	-	-	-	11	8	8

Table 8: Data on Consumption of CFCs (Annex A, Group I)
 (in ODP tons, i.e. Metric Tonnes x Ozone Depletion Potential)

	Ratification date of the Montreal Protocol	1986	1989	1990	1991	1992	1993	1994	1995
TRINIDAD AND TOBAGO	28/08/89	102	143	138	116	104	97	109	N.R.
URUGUAY	08/01/91	323	531	-	416	305	223	312	232
VENEZUELA	06/02/89	4269	3473	3037	3037	4390	3924	3093	3220
Western Europe and others									
MALTA	29/12/88	287	366	179	85	65	62	61	31

Table 9: Data on Consumption of Halons (Annex A, Group II)
(in ODP tons, i.e. Metric Tonnes x Ozone Depletion Potential)

	Ratification date of the Montreal Protocol	Year							
		1986	1989	1990	1991	1992	1993	1994	1995
Non-Article 5 Parties									
Africa									
SOUTH AFRICA	15/01/90	6222	3807	N.R.	1121	5372	1059	0	0
Asia									
ISRAEL	30/06/92	2405	-	-	-	1956	1571	0	0
JAPAN	30/09/88	16955	35580	22351	N.R.	14786	7530	0	0
Eastern Europe									
BELARUS	31/10/88	278	N.R.	298	236	221	221	92	-21
BULGARIA	20/11/90	40	40	22	16	16	15	16	16
CZECH REPUBLIC	01/01/93	92	-	-	-	-	49	113	3
HUNGARY	20/04/89	1883	1300	2628	1030	507	390	0	0
LATVIA	28/04/95	61	-	-	-	-	-	-	30
LITHUANIA	18/01/95	40	-	-	-	-	-	0	0
POLAND	13/07/90	3900	-	330	828	100	33	0	0
RUSSIAN FEDERATION	10/11/88	28800	15240	28800	9950	8996	2460	1258	1085
SLOVAKIA	28/05/93	47	-	-	-	22	20	0	N.R.
UKRAINE	20/09/88	258	N.R.	N.R.	N.R.	18	0	0	0
UZBEKISTAN	18/05/93	1150	-	-	-	-	N.R.	N.R.	220
Western Europe and others									
AUSTRALIA	19/05/89	4270	0	2	446	430	0	0	0
AUSTRIA *	03/05/89	1650	490	57	14	53	13	15	-
CANADA	30/06/88	3218	2767	2128	1642	620	140	0	0
EC **	16/12/88	40993	49928	37783	35420	23900	18300	-78	0
FINLAND *	03/10/88	598	886	516	362	205	233	0	-
ICELAND	29/08/89	81	77	33	26	18	1	0	0

N.R. Data not reported for the year

- Not required to report

* Data for 1995 is contained in the EC figures

** Figures before 1995 contain data reported by the 12 members of the EC. Figure for 1995 contains data from the 15 members of the EC, including Austria, Finland and Sweden. Figures for 1989 for Annex A Group I and Annex C Group I substances are for 15 member states.

Table 9: Data on Consumption of Halons (Annex A, Group II)
(in ODP tons, i.e. Metric Tonnes x Ozone Depletion Potential)

	Ratification date of the Montreal Protocol	Year							
		1986	1989	1990	1991	1992	1993	1994	1995
LIECHTENSTEIN	08/02/89	6	N.R.	3	1	0	0	0	0
NEW ZEALAND	21/07/88	490	936	637	3	N.R.	0	0	0
NORWAY	24/06/88	1411	872	1332	879	437	220	0	0
SWEDEN*	29/06/88	1831	-320	396	259	270	69	6	-
SWITZERLAND	28/12/88	1050	706	473	352	17	140	42	N.R.
U. S. A.	21/04/88	57803	45694	34554	33453	23980	18075	0	0
ALGERIA	20/10/92	10	-	-	-	-	189	140	322
BENIN	01/07/93	0	-	-	-	-	12	12	12
BOTSWANA	04/12/91	8	-	-	-	10	21	2	6
BURKINA FASO	20/07/89	0	N.R.	N.R.	N.R.	4	4	4	4
CAMEROON	30/08/89	20	N.R.	22	15	16	23	23	7
CONGO	16/11/94	6	0	-	29	-	-	0	0
COTE D'IVOIRE	05/04/93	500	-	-	19	-	0	N.R.	0
EGYPT	02/08/88	3000	N.R.	2100	1750	N.R.	N.R.	680	720
ETHIOPIA	11/10/94	15	-	-	-	-	-	-	3
GAMBIA	25/07/90	2	-	0	0	0	0	N.R.	N.R.
GHANA	24/07/89	5	0	1	1	2	2	0	0
GUINEA	25/06/92	13	-	13	13	16	14	12	11
KENYA	09/11/88	16	N.R.	16	16	24	25	22	16
LESOTHO	25/03/94	4	-	-	-	-	-	0	0
LIBYAN AR. JAMAHIRIYA	11/07/90	N.R.	-	68	N.R.	N.R.	N.R.	N.R.	N.R.
MALAWI	09/01/91	4	-	-	5	14	0	0	0
MAURITIUS	18/08/92	2	-	-	-	4	1	0	0
MOROCCO	28/12/95	10	-	10	0	0	3	0	21

Article 5 Parties

Africa

Table 9: Data on Consumption of Halons (Annex A, Group II)
(in ODP tons, i.e. Metric Tonnes x Ozone Depletion Potential)

	Ratification date of the Montreal Protocol	Year									
		1986	1989	1990	1991	1992	1993	1994	1995		
MOZAMBIQUE	09/09/94	30	-	-	-	-	-	2	1		
NAMIBIA	20/09/93	7	-	-	-	-	10	11	N.R.		
NIGER	09/10/92	0	0	0	0	-	2	0	0		
NIGERIA	31/10/88	N.R.	N.R.	N.R.	N.R.	N.R.	33	21	37		
SEYCHELLES	06/01/93	0	-	1	1	1	1	N.R.	N.R.		
SUDAN	29/01/93	25	-	-	-	-	3	4	0		
SWAZILAND	10/11/92	3	-	-	-	-	13	0	0		
TANZANIA, UNITED REP. OF	16/04/93	1	-	-	-	-	1	1	1		
TUNISIA	25/09/89	3	N.R.	3	20	69	109	0	32		
UGANDA	15/09/88	N.R.	N.R.	N.R.	N.R.	0	5	N.R.	N.R.		
ZIMBABWE	03/11/92	36	-	-	-	-	97	36	5		
BAHRAIN	27/04/90	20	-	36	30	32	35	41	43		
BRUNEI DARUSSALAM	27/05/93	19	-	-	-	-	0	0	-8		
CHINA	14/06/91	17316	18800	17790	19569	14404	12847	20150	28650		
CYPRUS	28/05/92	24	14	24	42	61	34	14	N.R.		
FIJI	23/10/89	15	-	4	12	0	0	0	0		
INDIA	19/06/92	190	-	-	-	1253	216	610	481		
INDONESIA	26/06/92	0	-	-	-	972	7030	259	51		
IRAN, ISLAMIC REP. OF	03/10/90	N.R.	-	-	2000	2300	1780	2434	508		
JORDAN	31/05/89	260	243	255	210	245	255	240	225		
KOREA, REPUBLIC OF	27/02/92	2936	-	-	-	7472	2610	3074	3400		
KUWAIT	23/11/92	1540	534	-	-	-	230	0	9		
LEBANON	31/03/93	5	-	-	-	-	15	N.R.	N.R.		
MALAYSIA	29/08/89	1650	1338	810	268	667	272	33	24		
MALDIVES	16/05/89	0	N.R.	1	N.R.	10	12	N.R.	0		

Asia

Table 9: Data on Consumption of Halons (Annex A, Group II)

(in ODP tons, i.e. Metric Tonnes x Ozone Depletion Potential)

	Ratification date of the Montreal Protocol	Year											
		1986	1989	1990	1991	1992	1993	1994	1995				
MYANMAR	24/11/93	28	-	-	-	-	-	0	0	0	0	0	0
PAKISTAN	18/12/92	261	-	519	705	405	54	33	11	11	33	11	11
PAPUA NEW GUINEA	27/10/92	27	-	-	-	-	N.R.	N.R.	0	0	N.R.	0	0
PHILIPPINES	17/07/91	60	185	185	89	95	N.R.	50	101	101	50	101	101
QATAR	22/01/96	4	-	-	-	-	-	-	-	-	-	-	-
SAUDI ARABIA	01/03/93	0	-	-	-	2454	2533	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.
SINGAPORE	05/01/89	2439	812	1151	N.R.	983	938	0	0	0	0	0	0
SRI LANKA	15/12/89	30	-	1	3	2	N.R.	N.R.	0	0	N.R.	0	0
SYRIAN ARAB REPUBLIC	12/12/89	0	-	0	N.R.	N.R.	0	N.R.	420	0	N.R.	420	420
THAILAND	07/07/89	60	120	324	420	388	502	364	293	293	364	293	293
TURKEY	20/09/91	125	0	622	201	164	166	172	88	88	172	88	88
UNITED ARAB EMIRATES	22/12/89	353	393	366	465	521	536	170	148	148	170	148	148
VIET NAM	26/01/94	N.R.	24	-	8	-	24	12	22	22	12	22	22
Eastern Europe													
CROATIA	08/10/91	280	-	250	184	102	102	20	20	20	102	20	20
ROMANIA	27/01/93	0	-	-	-	-	12	0	0	0	12	0	0
SLOVENIA	06/07/92	19	-	-	-	19	N.R.	-9	0	0	N.R.	-9	0
THE FORMER YUGOSLAV REP. OF MACEDONIA	10/03/94	43	-	-	-	-	-	N.R.	30	30	N.R.	30	30
YUGOSLAVIA	03/01/91	9200	2360	2360	52	-	-	-	-	-	-	-	-
Latin America and the Caribbean													
ARGENTINA	18/09/90	294	155	10	1407	224	409	383	N.R.	N.R.	383	N.R.	N.R.
BAHAMAS	04/05/93	1	-	-	-	1	0	0	0	0	0	0	0
BARBADOS	16/10/92	0	4	5	3	3	7	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.
BRAZIL	19/03/90	369	-	N.R.	178	N.R.	N.R.	0	29	29	0	29	29
CHILE	26/03/90	35	224	95	156	85	132	47	10	10	47	10	10
COLOMBIA	06/12/93	0	-	38	27	-	-	27	27	27	-	27	27

Table 10: Data on Consumption of Other Fully Halogenated CFCs (Annex B, Group I)
(in ODP tons, i.e. Metric Tonnes x Ozone Depletion Potential)

	Ratification dates of the		Year				
	Montreal Protocol	London Amendment	1989	1992	1993	1994	1995
Non-Article 5 Parties							
Asia							
JAPAN	30/09/88	04/09/91	2320	N.R.	788	136	0
Eastern Europe							
BELARUS	31/10/88	10/06/96	2	5	5	1	0
BULGARIA	20/11/90		20	20	-	0	0
CZECH REPUBLIC	01/01/93	18/12/96	9	-	0	0	0
POLAND	13/07/90	02/10/96	2	-	1	-	-
RUSSIAN FEDERATION	10/11/88	13/01/92	300	18	1	25	25
UKRAINE	20/09/88	06/02/97	10	8	3	2	16
Western Europe and others							
AUSTRALIA	19/05/89	11/08/92	1	N.R.	0	0	0
AUSTRIA *	03/05/89	11/12/92	0	0	37	2	-
CANADA	30/06/88	05/07/90	2	N.R.	1	1	0
EC **	16/12/88	20/12/91	58	35	40	8	0
NORWAY	24/06/88	18/11/91	1	1	1	1	0
SWITZERLAND	28/12/88	16/09/92	1	0	0	0	0
U.S.A.	21/04/88	18/12/91	571	64	74	94	39
Article 5 Parties							
Africa							
ALGERIA	20/10/92	20/10/92	1	-	0	1	0
NIGERIA	31/10/88		-	-	7	7	7
TUNISIA	25/09/89	15/07/93	0	-	116	N.R.	0
Asia							
CHINA	14/06/91	14/06/91	0	N.R.	0	1272	2
JORDAN	31/05/89	12/11/93	0	0	0	15	15

N.R. Data not reported for the year

- Not required to report

* Data for 1995 is contained in the EC figures

** Figures before 1995 contain data reported by the 12 members of the EC. Figure for 1995 contains data from the 15 members of the EC, including Austria, Finland and Sweden

Table 10: Data on Consumption of Other Fully Halogenated CFCs (Annex B, Group I)
 (in ODP tons, i.e. Metric Tonnes x Ozone Depletion Potential)

	Ratification dates of the		Year				
	Montreal Protocol	London Amendment	1989	1992	1993	1994	1995
KOREA, REPUBLIC OF	27/02/92	10/12/92	4	603	141	1	0
KUWAIT	23/11/92	22/07/94	1	-	-	0	0
MALAYSIA	29/08/89	16/06/93	0	-	0	1	204
PHILIPPINES	17/07/91	09/08/93	0	7	1	0	0
SINGAPORE	05/01/89	02/03/93	1	-	0	0	0
SYRIAN ARAB REPUBLIC	12/12/89		56	62	64	-	52
THAILAND	07/07/89	25/06/92	0	N.R.	1	0	0
TURKEY	20/09/91	13/04/95	0	-	-	1	0
Eastern Europe							
GEORGIA	21/03/96		10	-	-	0	-
Latin America and the Caribbean							
ARGENTINA	18/09/90	04/12/92	1	11	0	0	N.R.
BRAZIL	19/03/90	01/10/92	N.R.	N.R.	0	12	133
ECUADOR	30/04/90	23/02/93	0	0	0	0	2
MEXICO	31/03/88	11/10/91	0	0	54	3	1
PERU	31/03/93	31/03/93	0	-	0	191	0
URUGUAY	08/01/91	16/11/93	0	-	-	1	0

Table 11: Data on Consumption of Carbon Tetrachloride (Annex B, Group II)
(in ODP tons, i.e. Metric Tonnes x Ozone Depletion Potential)

	Ratification dates of the		Year				
	Montreal Protocol	London Amendment	1989	1992	1993	1994	1995
Non-Article 5 Parties							
Africa							
SOUTH AFRICA	15/01/90	12/05/92	12685	82	134	54	0
Asia							
ISRAEL	30/06/92	30/06/92	N.R.	N.R.	N.R.	N.R.	72
JAPAN	30/09/88	04/09/91	74879	N.R.	54428	N.R.	255
Eastern Europe							
BELARUS	31/10/88	10/06/96	10	9	9	3	0
BULGARIA	20/11/90		275	319	22	22	22
CZECH REPUBLIC	01/01/93	18/12/96	3078	-	-1020	2	2
HUNGARY	20/04/89	09/11/93	825	220	59	32	18
LATVIA	28/04/95		20	-	-	-	17
LITHUANIA	18/01/95		76	-	-	45	10
POLAND	13/07/90	02/10/96	962	-	306	2468	-
RUSSIAN FEDERATION	10/11/88	13/01/92	2750	2991	-3035	-1	0
SLOVAKIA	28/05/93	15/04/94	100	277	275	387	N.R.
UKRAINE	20/09/88	06/02/97	10363	-	14	10363	0
Western Europe and others							
AUSTRALIA	19/05/89	11/08/92	6	N.R.	1	1	0
AUSTRIA*	03/05/89	11/12/92	139	6	-2	1	-
CANADA	30/06/88	05/07/90	6168	N.R.	-1177	-2009	-908
EC**	16/12/88	20/12/91	50406	7659	3552	2090	-4030
FINLAND*	03/10/88	20/12/91	88	7	N.R.	1	-
NEW ZEALAND	21/07/88	01/10/90	3	0	0	0	0
NORWAY	24/06/88	18/11/91	3	1	1	1	0
SWEDEN*	29/06/88	02/08/91	176	-131	103	2	-

N.R Data not reported for the year

* Not required to report

** Data for 1995 is contained in the EC figures

Figures before 1995 contain data reported by the 12 members of the EC. Figure for 1995 contains data from the 15 members of the EC, including Austria, Finland and Sweden

Table 11: Data on Consumption of Carbon Tetrachloride (Annex B, Group II)
 (in ODP tons, i.e. Metric Tonnes x Ozone Depletion Potential)

	Ratification dates of the		Year				
	Montreal Protocol	London Amendment	1989	1992	1993	1994	1995
SWITZERLAND	28/12/88	16/09/92	5	12	3	2	-59
U. S. A.	21/04/88	18/12/91	11924	7232	39098	2415	-17922
ALGERIA	20/10/92	20/10/92	21	-	19	22	21
BENIN	01/07/93		0	-	0	-1	0
CAMEROON	30/08/89	08/06/92	1	1	2	2	0
EGYPT	02/08/88	13/01/93	220	-	165	66	220
ETHIOPIA	11/10/94		2	-	-	-	0
GHANA	24/07/89	24/07/92	0	2	1	3	1
KENYA	09/11/88	27/09/94	6	66	66	44	41
MALAWI	09/01/91	08/02/94	0	0	0	3	0
MAURITIUS	18/08/92	20/10/92	0	1	0	0	0
MOROCCO	28/12/95	28/12/95	6	0	0	1	1
MOZAMBIQUE	09/09/94	09/09/94	0	-	-	0	17
NIGERIA	31/10/88		-	-	100	106	111
SENEGAL	06/05/93	06/05/93	607	-	489	548	495
SUDAN	29/01/93		4	-	2	2	3
TANZANIA, UNITED REP. OF	16/04/93	16/04/93	1	-	1	1	1
TUNISIA	25/09/89	15/07/93	0	10	0	4	6
ZAMBIA	24/01/90	15/04/94	0	2	1	1	N.R.
CHINA	14/06/91	14/06/91	131	30898	33221	-504	63379
INDIA	19/06/92	19/06/92	4758	5097	10600	8790	3112
INDONESIA	26/06/92	26/06/92	0	127	155	0	0
IRAN, ISLAMIC REP. OF	03/10/90		0	50	44	22	22
JORDAN	31/05/89	12/11/93	13	-	-	N.R.	0

Article 5 Parties

Africa

Asia

Table 11: Data on Consumption of Carbon Tetrachloride (Annex B, Group II)

(in ODP tons, i.e. Metric Tonnes x Ozone Depletion Potential)

	Ratification dates of the		Year				
	Montreal Protocol	London Amendment	1989	1992	1993	1994	1995
KOREA, REPUBLIC OF	27/02/92	10/12/92	10625	12869	12869	11812	15795
KUWAIT	23/11/92	22/07/94	23	-	-	N.R.	0
MALAYSIA	29/08/89	16/06/93	0	-	0	21	0
MYANMAR	24/11/93	24/11/93	1	0	-	0	0
PAKISTAN	18/12/92	18/12/94	110	411	431	568	279
PHILIPPINES	17/07/91	09/08/93	220	88	22	134	111
SAUDI ARABIA	01/03/93	01/03/93	0	543	266	N.R.	N.R.
SINGAPORE	05/01/89	02/03/93	25	-	59	0	0
SRI LANKA	15/12/89	16/06/93	0	19	N.R.	N.R.	16
SYRIAN ARAB REPUBLIC	12/12/89		39	1	1	-	-
THAILAND	07/07/89	25/06/92	68	8	8	0	14
TURKEY	20/09/91	13/04/95	242	163	304	190	134
VIET NAM	26/01/94	26/01/94	N.R.	-	-	0	1
Eastern Europe							
BOSNIA AND HERZEGOVINA	06/03/92		12	-	-	-	-
CROATIA	08/10/91	15/10/93	333	221	441	177	177
ROMANIA	27/01/93	27/01/93	2265	-	735	3872	-1584
SLOVENIA	06/07/92	08/12/92	0	0	1	0	0
YUGOSLAVIA	03/01/91		343	-	-	-	-
Latin America and the Caribbean							
ARGENTINA	18/09/90	04/12/92	5291	5445	1839	1727	N.R.
BRAZIL	19/03/90	01/10/92	46838	N.R.	20698	16315	933
CHILE	26/03/90	09/04/92	20	14	6	15	6
COLOMBIA	06/12/93	06/12/93	49	28	-	N.R.	N.R.
COSTA RICA	30/07/91		0	0	-	1	1
CUBA	14/07/92		87	-	-	-	-

Table 11: Data on Consumption of Carbon Tetrachloride (Annex B, Group II)
 (in ODP tons, i.e. Metric Tonnes x Ozone Depletion Potential)

	Ratification dates of the		Year				
	Montreal Protocol	London Amendment	1989	1992	1993	1994	1995
DOMINICAN REPUBLIC	18/05/93		4	-	38	-	96
ECUADOR	30/04/90	23/02/93	112	5	200	126	3
EL SALVADOR	02/10/92		0	0	68	-	-
MEXICO	31/03/88	11/10/91	2385	603	0	22389	21965
PERU	31/03/93	31/03/93	53	41	15	45	48
URUGUAY	08/01/91	16/11/93	28	6	0	6	9
VENEZUELA	06/02/89	29/07/93	62	79	15	22	1708

Table 12: Data on Consumption of Methyl Chloroform (Annex B, Group III)

(in ODP tons, i.e. Metric Tonnes x Ozone Depletion Potential)

	Ratification dates of the		Year				
	Montreal Protocol	London Amendment	1989	1992	1993	1994	1995
Non-Article 5 Parties							
Africa							
SOUTH AFRICA	15/01/90	12/05/92	0	449	362	114	60
Asia							
ISRAEL	30/06/92	30/06/92	N.R.	N.R.	N.R.	N.R.	179
JAPAN	30/09/88	04/09/91	17279	N.R.	7546	397	3453
Eastern Europe							
BELARUS	31/10/88	10/06/96	11	11	11	9	0
BULGARIA	20/11/90		15	-	5	5	5
CZECH REPUBLIC	01/01/93	18/12/96	15	-	4	2	3
HUNGARY	20/04/89	09/11/93	78	45	23	19	9
LITHUANIA	18/01/95		0	-	-	2	0
POLAND	13/07/90	02/10/96	30	-	7	2	-
RUSSIAN FEDERATION	10/11/88	13/01/92	330	50	50	39	27
SLOVAKIA	28/05/93	15/04/94	20	11	18	14	N.R.
UKRAINE	20/09/88	06/02/97	5	1	0	5	6
Western Europe and others							
AUSTRALIA	19/05/89	11/08/92	854	509	359	227	85
AUSTRIA *	03/05/89	11/12/92	198	75	35	37	-
CANADA	30/06/88	05/07/90	1292	N.R.	458	490	183
EC **	16/12/88	20/12/91	13598	8552	6528	4591	4304
FINLAND *	03/10/88	20/12/91	89	60	46	34	-
ICELAND	29/08/89	16/06/93	1	1	0	1	0
LIECHTENSTEIN	08/02/89	24/03/94	5	4	4	1	0
NEW ZEALAND	21/07/88	01/10/90	98	51	27	10	17
NORWAY	24/06/88	18/11/91	88	100	61	40	31

N.R. Data not reported for the year

- Not required to report

* Data for 1995 is contained in the EC figures

** Figures before 1995 contain data reported by the 12 members of the EC. Figure for 1995 contains data from the 15 members of the EC, including Austria, Finland and Sweden

Table 12: Data on Consumption of Methyl Chloroform (Annex B, Group III)
(in ODP tons, i.e. Metric Tonnes x Ozone Depletion Potential)

	Ratification dates of the		Year				
	Montreal Protocol	London Amendment	1989	1992	1993	1994	1995
SWEDEN *	29/06/88	02/08/91	134	146	65	73	-
SWITZERLAND	28/12/88	16/09/92	348	231	142	75	25
U. S. A.	21/04/88	18/12/91	25597	22066	17129	4376	4449
ALGERIA	20/10/92	20/10/92	15	-	5	6	6
CAMEROON	30/08/89	08/06/92	23	21	15	15	24
EGYPT	02/08/88	13/01/93	50	7	10	20	31
ETHIOPIA	11/10/94		1	-	-	-	0
GHANA	24/07/89	24/07/92	0	0	0	1	0
KENYA	09/11/88	27/09/94	12	6	6	3	4
MOROCCO	28/12/95	28/12/95	3	4	0	0	2
MOZAMBIQUE	09/09/94	09/09/94	0	-	-	0	3
NIGERIA	31/10/88		-	-	24	25	27
BAHRAIN	27/04/90	23/12/92	16	68	28	27	28
CHINA	14/06/91	14/06/91	817	120	504	519	612
CYPRUS	28/05/92	11/10/94	0	1	3	1	N.R.
FIJI	23/10/89	09/12/94	0	1	1	1	0
INDIA	19/06/92	19/06/92	47	48	56	126	136
INDONESIA	26/06/92	26/06/92	0	220	25	40	0
IRAN, ISLAMIC REP. OF	03/10/90		10	0	4	5	2
JORDAN	31/05/89	12/11/93	2	-	-	N.R.	0
KOREA, REPUBLIC OF	27/02/92	10/12/92	1057	1574	1310	762	849
KUWAIT	23/11/92	22/07/94	20	-	-	28	27
MALAYSIA	29/08/89	16/06/93	5	283	262	220	39
PAKISTAN	18/12/92	18/12/94	4	25	7	8	5

Article 5 Parties

Africa

Asia

Table 12: Data on Consumption of Methyl Chloroform (Annex B, Group III)
(in ODP tons, i.e. Metric Tonnes x Ozone Depletion Potential)

	Ratification dates of the		Year				
	Montreal Protocol	London Amendment	1989	1992	1993	1994	1995
PHILIPPINES	17/07/91	09/08/93	90	135	5	10	4
SAUDI ARABIA	01/03/93	01/03/93	0	20	8	N.R.	N.R.
SINGAPORE	05/01/89	02/03/93	319	-	130	150	14
SRI LANKA	15/12/89	16/06/93	0	0	N.R.	N.R.	5
THAILAND	07/07/89	25/06/92	577	793	469	295	224
TURKEY	20/09/91	13/04/95	100	151	104	116	114
Eastern Europe							
CROATIA	08/10/91	15/10/93	85	48	36	26	26
ROMANIA	27/01/93	27/01/93	27	-	55	37	31
SLOVENIA	06/07/92	08/12/92	101	89	81	71	49
YUGOSLAVIA	03/01/91		110	-	-	-	-
Latin America and the Caribbean							
ARGENTINA	18/09/90	04/12/92	106	111	223	172	N.R.
BRAZIL	19/03/90	01/10/92	1145	N.R.	600	655	347
CHILE	26/03/90	09/04/92	22	35	44	47	10
COLOMBIA	06/12/93	06/12/93	30	17	-	20	N.R.
COSTA RICA	30/07/91		5	0	-	0	0
DOMINICAN REPUBLIC	18/05/93		1	1	9	-	14
ECUADOR	30/04/90	23/02/93	0	7	2	1	1
EL SALVADOR	02/10/92		0	0	8	-	-
GUATEMALA	07/11/89		0	-	-	0	1
MEXICO	31/03/88	11/10/91	27	12	49	16	136
PERU	31/03/93	31/03/93	4	4	3	4	3
TRINIDAD AND TOBAGO	28/08/89		2	3	3	1	-
URUGUAY	08/01/91	16/11/93	1	1	0	0	0
VENEZUELA	06/02/89	29/07/93	22	110	80	39	43

Figure 12: Data on Consumption of Methyl Chloroform (Annex B, Group III)

Table 12: Data on Consumption of Methyl Chloroform (Annex B, Group III)
 (in ODP tons, i.e. Metric Tonnes x Ozone Depletion Potential)

	Ratification dates of the		Year				
	Montreal Protocol	London Amendment	1989	1992	1993	1994	1995
Western Europe and others	29/12/88	04/02/94	3	3	3	2	2
MALTA							

Table 13: Data on Consumption of HCFCs (Annex C, Group I)

(in ODP tons, i.e. Metric Tonnes x Ozone Depletion Potential)

	Ratification dates of the		Year				
	Montreal Protocol	London Amendment	1989***	1992	1993	1994	1995
Non-Article 5 Parties							
Africa							
SOUTH AFRICA	15/01/90	12/05/92	89	63	143	206	153
Asia							
ISRAEL	30/06/92	30/06/92	N.R.	N.R.	N.R.	N.R.	318
JAPAN	30/09/88	04/09/91	1459	2264	4185	N.R.	0
Eastern Europe							
BELARUS	31/10/88	10/06/96	2	2	1	2	0
BULGARIA	20/11/90		8	4	4	4	0
CZECH REPUBLIC	01/01/93	18/12/96	2	-	15	31	54
HUNGARY	20/04/89	09/11/93	0	21	19	50	61
LATVIA	28/04/95		5	-	-	-	4
LITHUANIA	18/01/95		1	1	-	1	19
POLAND	13/07/90	02/10/96	55	-	39	16	-
RUSSIAN FEDERATION	10/11/88	13/01/92	424	267	172	107	84
SLOVAKIA	28/05/93	15/04/94	3	-	-	5	N.R.
UKRAINE	20/09/88	06/02/97	12	21	8	12	31
UZBEKISTAN	18/05/93		-	-	-	-	2
Western Europe and others							
AUSTRALIA	19/05/89	11/08/92	148	128	197	119	156
AUSTRIA*	03/05/89	11/12/92	18	43	33	25	-
CANADA	30/06/88	05/07/90	365	N.R.	466	594	642
EC**	16/12/88	20/12/91	2012	3325	3721	5571	7588
FINLAND*	03/10/88	20/12/91	20	22	33	45	-

N.R. Data not reported for the year

- Not required to report

* Data for 1995 is contained in the EC figures

** Figures before 1995 contain data reported by the 12 members of the EC. Figure for 1995 contains data from the 15 members of the EC, including Austria, Finland and Sweden

*** Figures for 1989 for Annex A Group I and Annex C Group I substances are for 15 member states.

Figures for 1989 HCFC consumption do not include 2.8% of CFC consumption in 1989.

Table 13: Data on Consumption of HCFCs (Annex C, Group I)
(in ODP tons, i.e. Metric Tonnes x Ozone Depletion Potential)

	Ratification dates of the		1989***	Year				
	Montreal Protocol	London Amendment		1992	1993	1994	1995	
ICELAND	29/08/89	16/06/93	5	5	6	7	8	
MONACO	12/03/93	12/03/93	N.R.	2	2	2	1	
NEW ZEALAND	21/07/88	01/10/90	23	20	26	23	40	
NORWAY	24/06/88	18/11/91	50	48	43	55	53	
SWEDEN*	29/06/88	02/08/91	86	109	114	55	-	
SWITZERLAND	28/12/88	16/09/92	18	81	76	74	57	
U. S. A.	21/04/88	18/12/91	6363	5561	N.R.	10892	14023	
ALGERIA	20/10/92	20/10/92	N.R.	-	5	6	5	
BENIN	01/07/93		3	3	-	-	-	
BOTSWANA	04/12/91	13/05/97	0	1	1	0	1	
CAMEROON	30/08/89	08/06/92	2	2	3	-3	6	
CENTRAL AFRICAN REP.	29/03/93		1	-	1	1	1	
CONGO	16/11/94	16/11/94	0	-	-	1	1	
COTE D'IVOIRE	05/04/93	18/05/94	0	-	7	N.R.	8	
EGYPT	02/08/88	13/01/93	0	-	N.R.	11	0	
GHANA	24/07/89	24/07/92	2	2	2	3	3	
KENYA	09/11/88	27/09/94	3	4	4	0	6	
MALAWI	09/01/91	08/02/94	0	2	3	2	0	
MAURITIUS	18/08/92	20/10/92	0	-	N.R.	847	4	
MOZAMBIQUE	09/09/94	09/09/94	2	-	-	1	1	
NAMIBIA	20/09/93		0	-	0	4	-	
NIGERIA	31/10/88		-	25	0	0	0	
SENEGAL	06/05/93	06/05/93	0	-	4	4	11	

Article 5 Parties

Africa

Table 13: Data on Consumption of HCFCs (Annex C, Group I)

(in ODP tons, i.e. Metric Tonnes x Ozone Depletion Potential)

	Ratification dates of the		Year				
	Montreal Protocol	London Amendment	1989***	1992	1993	1994	1995
SWAZILAND	10/11/92		-	-	0	12	0
TANZANIA, UNITED REP. OF	16/04/93	16/04/93	1	-	2	2	2
TUNISIA	25/09/89	15/07/93	6	0	5	5	4
UGANDA	15/09/88	20/01/94	N.R.	-	-	1	N.R.
ZAMBIA	24/01/90	15/04/94	0	1	1	1	1
ZIMBABWE	03/11/92	03/06/94	19	-	2	19	0
BAHRAIN	27/04/90	23/12/92	11	12	13	14	16
BANGLADESH	02/08/90	18/03/94	3	3	3	N.R.	N.R.
BRUNEI DARUSSALAM	27/05/93		3	2	2	2	2
CHINA	14/06/91	14/06/91	N.R.	305	853	1476	1560
INDIA	19/06/92	19/06/92	118	141	164	153	159
INDONESIA	26/06/92	26/06/92	0	0	0	22	28
IRAN, ISLAMIC REP. OF	03/10/90		43	6	9	5	13
JORDAN	31/05/89	12/11/93	4	3	3	4	4
KOREA, REPUBLIC OF	27/02/92	10/12/92	223	302	387	508	660
KUWAIT	23/11/92	22/07/94	82	-	-	54	95
LEBANON	31/03/93	31/03/93	11	-	19	N.R.	N.R.
MALAYSIA	29/08/89	16/06/93	71	100	91	163	217
MYANMAR	24/11/93	24/11/93	0	0	-	N.R.	1
PAPUA NEW GUINEA	27/10/92	04/05/93	1	1	0	N.R.	2
PHILIPPINES	17/07/91	09/08/93	47	59	62	67	100
QATAR	22/01/96	22/01/96	7	-	-	-	-
SAUDI ARABIA	01/03/93	01/03/93	0	-	62	N.R.	N.R.
SINGAPORE	05/01/89	02/03/93	85	-	N.R.	N.R.	N.R.

Asia

Table 13: Data on Consumption of HCFCs (Annex C, Group I)
 (in ODP tons, i.e. Metric Tonnes x Ozone Depletion Potential)

	Ratification dates of the		1989***	1992	1993	1994	1995
	Montreal Protocol	London Amendment					
SOLOMON ISLANDS	17/06/93		0	1	-	-	-
SRI LANKA	15/12/89	16/06/93	2	3	N.R.	N.R.	8
THAILAND	07/07/89	25/06/92	184	225	258	N.R.	344
TURKEY	20/09/91	13/04/95	20	32	26	31	61
UNITED ARAB EMIRATES	22/12/89		-	45	47	50	56
VIET NAM	26/01/94	26/01/94	N.R.	-	-	0	44
Eastern Europe							
BOSNIA AND HERZEGOVINA	06/03/92		1	-	-	-	-
CROATIA	08/10/91	15/10/93	0	3	2	5	5
GEORGIA	21/03/96		7	-	-	-	-
ROMANIA	27/01/93	27/01/93	28	-	3	2	13
SLOVENIA	06/07/92	08/12/92	1	2	6	16	16
THE FORMER YUGOSLAV REP. OF MACEDONIA	10/03/94		0	-	-	-	2
YUGOSLAVIA	03/01/91		2	-	-	-	-
Latin America and the Caribbean							
ARGENTINA	18/09/90	04/12/92	23	-	45	61	N.R.
BAHAMAS	04/05/93	04/05/93	0	1	0	0	0
BARBADOS	16/10/92	20/07/94	0	-	0	2	1
BRAZIL	19/03/90	01/10/92	184	N.R.	165	315	465
CHILE	26/03/90	09/04/92	15	20	18	19	25
COLOMBIA	06/12/93	06/12/93	19	21	-	20	N.R.
COSTA RICA	30/07/91		4	4	-	3	0
CUBA	14/07/92		0	6	2	0	-
DOMINICAN REPUBLIC	18/05/93		9	7	0	11	22
ECUADOR	30/04/90	23/02/93	6	8	5	3	8

Table 13: Data on Consumption of HCFCs (Annex C, Group I)
 (in ODP tons, i.e. Metric Tonnes x Ozone Depletion Potential)

	Ratification dates of the		Year				
	Montreal Protocol	London Amendment	1989***	1992	1993	1994	1995
EL SALVADOR	02/10/92		1	6	-	-	2
GUATEMALA	07/11/89		0	-	-	1	2
JAMAICA	31/03/93	31/03/93	8	4	34	1	3
MEXICO	31/03/88	11/10/91	75	541	330	315	313
PANAMA	03/03/89	10/02/94	5	5	13	14	N.R.
PERU	31/03/93	31/03/93	11	9	0	0	0
TRINIDAD AND TOBAGO	28/08/89		1	-	-	3	-
URUGUAY	08/01/91	16/11/93	8	5	8	9	2
VENEZUELA	06/02/89	29/07/93	74	103	102	78	95
Western Europe and others							
MALTA	29/12/88	04/02/94	1	2	2	5	7

Table 14: Data on Consumption of Methyl Bromide (Annex E, Group I)
(in ODP tons, i.e. Metric Tonnes x Ozone Depletion Potential)

	Ratification dates of the		Year		
	Montreal Protocol	Copenhagen Amendment	1991	1994	1995
Non-Article 5 Parties					
Africa					
SOUTH AFRICA	15/01/90		759	601	604
Asia					
JAPAN	30/09/88	20/12/94	3664	-	3583
ISRAEL	30/06/92	05/04/95	12307	-	12266
BELARUS	31/10/88		-24	0	15
BULGARIA	20/11/90		0	9	7
CZECH REPUBLIC	01/01/93	18/12/96	6	5	11
HUNGARY	20/04/89	17/05/94	32	44	32
LATVIA	28/04/95		15	-	12
LITHUANIA	18/01/95		33	22	31
POLAND	13/07/90	02/10/96	120	-	-
RUSSIAN FEDERATION	10/11/88		0	1043	1430
UKRAINE	20/09/88		0	0	390
Western Europe and others					
AUSTRALIA	19/05/89	30/06/94	422	0	298
AUSTRIA *	03/05/89	19/09/96	2	1	-
CANADA	30/06/88	16/03/94	120	129	75
FINLAND *	03/10/88	16/11/93	5	5	-
NEW ZEALAND	21/07/88	04/06/93	90	89	77
NORWAY	24/06/88	03/09/93	6	4	5
SWEDEN *	29/06/88	09/08/93	16	N.R.	-
SWITZERLAND	28/12/88	16/09/96	0	16	14
U. S. A.	21/04/88	02/03/94	17505	12648	12484

N.R. Data not reported for the year

- Not required to report

* Data for 1995 is contained in the EC figures

** Figures before 1995 contain data reported by the 12 members of the EC. Figure for 1995 contains data from the 15 members of the EC, including Austria, Finland and Sweden

Table 14: Data on Consumption of Methyl Bromide (Annex E, Group I)
(in ODP tons, i.e. Metric Tonnes x Ozone Depletion Potential)

	Ratification dates of the		Year		
	Montreal Protocol	Copenhagen Amendment	1991	1994	1995
ALGERIA	20/10/92		1	1	1
CAMEROON	30/08/89	25/06/96	0	14	15
COTE D'IVOIRE	05/04/93		0	-	9
EGYPT	02/08/88	28/06/94	48	90	270
ETHIOPIA	11/10/94		13	-	13
KENYA	09/11/88	27/09/94	198	216	135
MALAWI	09/01/91	28/02/94	68	122	98
MOROCCO	28/12/95	28/12/95	133	530	779
MOZAMBIQUE	09/09/94	09/09/94	4	5	6
SENEGAL	06/05/93		162	210	199
SUDAN	29/01/93		6	-6	-10
TANZANIA, UNITED REP. OF	16/04/93		4	0	0
TUNISIA	25/09/89	02/02/95	N.R.	6	12
ZAMBIA	24/01/90		4	24	32
ZIMBABWE	03/11/92	03/06/94	377	377	406
CHINA	14/06/91		-	-	395
INDIA	19/06/92		113	-	-
INDONESIA	26/06/92		81	-	30
IRAN, ISLAMIC REP. OF	03/10/90		36	73	15
JORDAN	31/05/89	30/06/95	67	200	180
KOREA, REPUBLIC OF	27/02/92	02/12/94	847	0	0
KUWAIT	23/11/92	22/07/94	N.R.	12	0
MALAYSIA	29/08/89	05/08/93	0	23	34
MYANMAR	24/11/93		-	0	10

Article 5 Parties

Africa

Asia

Table 14: Data on Consumption of Methyl Bromide (Annex E, Group I)
(in ODP tons, i.e. Metric Tonnes x Ozone Depletion Potential)

	Ratification dates of the		Year		
	Montreal Protocol	Copenhagen Amendment	1991	1994	1995
PAPUA NEW GUINEA	27/10/92		0	-	1
PHILIPPINES	17/07/91		21	21	10
SRI LANKA	15/12/89		0	-	4
SYRIAN ARAB REPUBLIC	12/12/89		3	-	-
THAILAND	07/07/89	01/12/95	N.R.	-	340
TURKEY	20/09/91	10/11/95	296	-	421
VIET NAM	26/01/94	26/01/94	276	84	330
Eastern Europe					
CROATIA	08/10/91	11/02/97	19	17	17
GEORGIA	21/03/96		95	-	-
ROMANIA	27/01/93		-	12	20
SLOVENIA	06/07/92		0	0	1
THE FORMER YUGOSLAV REP. OF MACEDONIA	10/03/94		12	-	12
Latin America and the Caribbean					
ARGENTINA	18/09/90	20/04/95	N.R.	169	N.R.
BRAZIL	19/03/90	25/06/97	N.R.	564	-
CHILE	26/03/90	14/01/94	109	119	177
COLOMBIA	06/12/93		131	43	-
COSTA RICA	30/07/91		276	300	330
CUBA	14/07/92		66	27	-
DOMINICA	31/03/93		3	-	-
DOMINICAN REPUBLIC	18/05/93		34	49	69
ECUADOR	30/04/90	24/11/93	N.R.	N.R.	39
EL SALVADOR	02/10/92		2	3	15
GUATEMALA	07/11/89		0	57	251
GUYANA	12/08/93		-	-	3
MEXICO	31/03/88	16/09/94	N.R.	3253	1438

Table 14: Data on Consumption of Methyl Bromide (Annex E, Group I)

(in ODP tons, i.e. Metric Tonnes x Ozone Depletion Potential)

	Ratification dates of the		Year		
	Montreal Protocol	Copenhagen Amendment	1991	1994	1995
PANAMA	03/03/89	04/10/96	5	1	-
PERU	31/03/93		1	1	1
URUGUAY	08/01/91		3	14	15
VENEZUELA	06/02/89		-	2	10
Western Europe and others					
MALTA	29/12/88		24	67	37

The thin layer of Ozone in the stratosphere, located between 10 and 50 kilometres above the Earth, absorbs all but a small fraction of the harmful ultraviolet radiation (UV-B) emanating from the sun and protects all life on Earth.

Observations of the atmosphere have proved depletion of Ozone over the middle and higher latitudes of the Earth and an "Ozone Hole" annually over the South Pole. Scientists have linked the ozone depletion and the "hole" to the increasing emissions of Ozone-depleting substances (ODSs): Chlorofluorocarbons (CFCs), Hydrochlorofluorocarbons (HCFCs) and Halons, as well as Carbon tetrachloride, Methyl chloroform and Methyl bromide.

Alarmed by these discoveries, governments agreed in 1985 upon the Vienna Convention for the Protection of the Ozone Layer and in 1987 on the Montreal Protocol on Substances that Deplete the Ozone Layer. The Montreal Protocol mandates the phase-out of the ODS by all countries according to a specified timetable.

The Montreal Protocol also requires all countries, under Article 7 of the Protocol and other decisions taken by the Parties, to report their annual consumption, production, imports, and exports of ODSs for given baseline years (1986, 1989, 1991) and for subsequent years. To facilitate the verification of compliance by the Parties, the Ozone Secretariat has been preparing an annual summary of the ODS data reported by the Parties for the meetings of the Parties.

1997 is the tenth Anniversary since the adoption of the Montreal Protocol. On this occasion, this report presents for the first time, the ODS data published previously for the period 1986-1995 in a consolidated form, as has been requested by various academic institutes and organizations.

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