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Twenty-Ninth Meeting of the Parties to the Montreal Protocol on Substances that Deplete the Ozone Layer
Montreal, Canada, 20–24 November 2017
Item 4 (l) of the provisional agenda for the preparatory segment*

Implementation Committee under the Non-Compliance Procedure for the Montreal Protocol
Fifty-ninth meeting
Montreal, Canada, 18 November 2017
Items 3, and 5–8 of the provisional agenda**

Montreal Protocol issues: compliance and reporting issues considered by the Implementation Committee

Information provided by parties in accordance with Articles 7 and 9 of the Montreal Protocol on Substances that Deplete the Ozone Layer

Report of the Secretariat

Summary

The key aspects of the information contained in the present report are summarized below for the convenience of the parties and members of the Implementation Committee under the Non-Compliance Procedure for the Montreal Protocol in their consideration of the report.

<i>Issue</i>	<i>Status</i>
Reporting pursuant to Article 9 for 2016	<ul style="list-style-type: none"> To date, no Article 9 reports covering 2016 have been submitted by parties
Annual Article 7 data reporting for 2015 and 2016	<ul style="list-style-type: none"> Data reporting for 2016: 187 out of 197 parties had reported as at 12 October 2017 Data reporting for 2015: all 197 parties have reported
Compliance with control measures for 2015 and 2016	<ul style="list-style-type: none"> For 2016, 184 out of 187 parties are in compliance with their obligations; 2 parties have yet to clarify their compliance status; 1 party has an outstanding non-compliance issue under consideration For 2015, 196 out of 197 parties were in compliance; 1 party had one of its non-compliance issues considered by the Implementation Committee at its last two meetings, and will have its remaining issues considered at the fifty-ninth meeting of the Committee

* UNEP/OzL.Conv.11/1-UNEP/OzL.Pro.29/1.

** UNEP/OzL.Pro/ImpCom/59/R.1/Rev.1

Monitoring of progress of parties previously in non-compliance that have decisions outlining their plans of action	<ul style="list-style-type: none"> • 2 parties with plans of action containing commitments to meeting specific targets for 2016 have met their targets
Accounting for essential-use exemptions for carbon tetrachloride for 2016	<ul style="list-style-type: none"> • 1 party with an essential-use exemption for 2016 has accounted for it
Accounting for critical-use and emergency-use exemptions for methyl bromide for 2016	<ul style="list-style-type: none"> • 6 out of 7 parties with critical-use exemptions for 2016 have accounted for them; the remaining party is not obliged to account for its 2016 exemption • 2 parties notified the Secretariat of consumption in response to emergency events, allowed as per decision IX/7
Reporting of exports and their destination countries for 2015 and 2016	<ul style="list-style-type: none"> • To date, 31 parties have reported exports in 2016 and 29 of them have specified destination countries for all or some of their exports • 28 parties reported exports in 2015; all of those parties included either partial or complete information on destination countries, with the destination specified for 99.4 per cent (by weight) of exports
Reporting of imports and their source countries for 2015 and 2016	<ul style="list-style-type: none"> • To date, 154 parties have reported imports in 2016, of which 57 have included information on import sources • 160 parties reported imports in 2015; 52 included information on source countries, with the source specified for 53.4 per cent (by weight) of imports
Cases of excess production or consumption attributable to stockpiling of ozone-depleting substances in 2016	<ul style="list-style-type: none"> • 2 parties reported excess production attributable to stockpiling in 2016; both of those parties confirmed the existence of measures to control the stockpiled substances
Process-agent use reporting for 2015 and 2016	<ul style="list-style-type: none"> • All 4 parties that are allowed process-agent uses have reported for 2015 and 2016
Production in 2015 ^a of CFCs, halons, carbon tetrachloride and other phased-out substances	<ul style="list-style-type: none"> • 4 parties reported production of about 87,000 tonnes^b of CFCs, of which about 99 per cent was for feedstock uses and the rest for exempted uses • 12 parties reported production of about 225,000 tonnes of carbon tetrachloride; more than 94 per cent was for feedstock use and the rest was mostly unintentional by-production that was later destroyed • 2 parties reported production of about 85,000 tonnes of methyl chloroform, all for feedstock use • 5 parties reported production of about 13,000 tonnes of methyl bromide; about 3,900 tonnes was for feedstock use, about 8,450 tonnes was for quarantine and pre-shipment use and the rest was for essential uses • Total production of the other phased-out substances was low in comparison to the production of CFCs, carbon tetrachloride, methyl chloroform and methyl bromide, accounting for less than 1 per cent of the total production of phased-out substances
Feedstock use in 2015 ^a	<ul style="list-style-type: none"> • 14 parties reported slightly over 1 million tonnes of ozone-depleting substances being used for feedstock applications in 2015
Quarantine and pre-shipment uses of methyl bromide in 2015 ^a	<ul style="list-style-type: none"> • 47 parties reported about 8,200 tonnes of methyl bromide being used for quarantine and pre-shipment applications in 2015
Destruction of ozone-depleting substances in 2015 ^a	<ul style="list-style-type: none"> • 23 parties reported destruction of about 19,000 tonnes of ozone-depleting substances in 2015
Response by parties to decision XXIV/14 (reporting of zero in Article 7 data reporting forms for 2015 and 2016)	<ul style="list-style-type: none"> • For 2016, 22 parties have submitted forms with some blank cells at the time of reporting data; 20 of them clarified that blank cells represented zeros • For 2015, a total of 32 out of the 197 parties submitted forms with some blank cells at the time of reporting data; all of them clarified that blank cells represented zeros

Revision of HCFC baseline data

- The secretariat revised the baseline data for 3 parties downwards to exclude imports of recovered HCFC-22 and HCFC-141b contained in imports of pre-blended polyols that had erroneously been included in the calculation of the baseline
- 2 other parties have submitted requests for changes in their HCFC baseline data

Abbreviations: CFC, chlorofluorocarbon; HCFC, hydrochlorofluorocarbon.

^a Information is only presented for 2015, as the reported data for 2016 is still incomplete. Aggregate summary information for 2016 will be presented in a future report.

^b Tonne = metric ton.

I. Introduction

1. The present report has been prepared pursuant to paragraph (c) of Article 12 of the Montreal Protocol on Substances that Deplete the Ozone Layer, and contains information received by the Secretariat as at 12 October 2017 pursuant to Article 7 of the Protocol.
2. Section II of the report covers the following aspects:
 - (a) Reporting pursuant to Article 9 of the Protocol for 2016;
 - (b) Status of compliance with annual data-reporting requirements (Article 7, paragraphs 3 and 3 bis) for the period 1986–2016;
 - (c) Cases of non-compliance and possible non-compliance with the control measures of ozone-depleting substances for 2015;
 - (d) Status of compliance with the control measures for production and consumption of ozone-depleting substances for 2016 by parties not operating under paragraph 1 of Article 5;
 - (e) Status of compliance with the control measures for production and consumption of ozone-depleting substances for 2016 by parties operating under paragraph 1 of Article 5;
 - (f) Monitoring of the progress of parties that have decisions outlining their plans of action containing commitments to meeting specific targets for 2016;
 - (g) Accounting for exemptions granted for 2016 for essential uses, critical uses and emergency uses;
 - (h) Reporting of exports and their destination countries (decision XVII/16);
 - (i) Reporting of imports and their source countries (decision XXIV/12);
 - (j) Consolidated record of cases of excess production and consumption attributable to stockpiling, prepared in accordance with decisions XVIII/17 and XXII/20;
 - (k) Reporting of process-agent uses for 2014, 2015 and 2016 (decisions XXI/3 and X/14);
 - (l) Production of chlorofluorocarbons, halons, carbon tetrachloride and other phased-out ozone-depleting substances;
 - (m) Feedstock uses of ozone-depleting substances;
 - (n) Quarantine and pre-shipment uses of methyl bromide;
 - (o) Destruction of ozone-depleting substances;
 - (p) Response by parties to decision XXIV/14 (reporting of zero in Article 7 data reporting forms);
 - (q) Issues the Secretariat wishes to bring to the attention of the parties: revision of hydrochlorofluorocarbon baseline data.
3. Section III lists the annexes to the present report. Note that annexes I, II and III present recurrent information for ease of reference: annex I shows how production and consumption are calculated, annex II summarizes the obligations associated with the Protocol and annex III identifies the control measures for all parties for 2016.

II. Information provided by parties

A. Reporting pursuant to Article 9 of the Protocol for 2016

4. The Secretariat has not received any new information pursuant to Article 9¹ since September 2016. Specifically, there are no reports from any parties covering activities in the year 2016. The last submission was from Lithuania in September 2016, covering the period 2014–2015.

5. All submissions since 2008 by parties pursuant to Article 9 are posted on the website of the Secretariat (http://ozone.unep.org/en/ozone_data_tools_research_public_awareness.php). For submissions made prior to 2008, only information on the year of submission is recorded on the website.

B. Status of compliance with annual data-reporting requirements (Article 7, paragraphs 3 and 3 bis) for the period 1986–2016

6. Table 1 shows the number of parties required to report data under Article 7 of the Protocol² and the number that have reported their data for the last four years for comparison purposes only. For the period 1986–2015, all parties are in full compliance with their data reporting obligations under Article 7 of the protocol.

Table 1

Number of parties that have reported Article 7 data for the last four years

Year	Required to report	Number of parties			Yet to report
		Reported as at 12 October 2017			
		Total	Article 5	Non-Article 5	
2016	197	187*	141	46	10
2015	197	197	147	50	–
2014	197	197	147	50	–
2013	197	197	148	49	–

* For 2016, 130 parties had reported by 30 June 2017 and 180 had reported by 30 September 2017.

7. The production and consumption data are presented in the annexes, as follows:

(a) Annex IV sets out the calculated production and consumption of ozone-depleting substances in 2016 reported as at 12 October 2017;

(b) Annex V sets out the calculated production and consumption of ozone-depleting substances for 2015;

(c) Annex VI sets out summary aggregate information on production and consumption of ozone-depleting substances for 2015 and 2016, broken down by United Nations regional groupings;

(d) Annex VII sets out aggregate summary information comparing production, imports and exports of ozone-depleting substances for 2015 and 2016, broken down by classification of parties as either parties operating under paragraph 1 of Article 5 or parties not so operating.

¹ By Article 9, which concerns research, development, public awareness and exchange of information, each party is required to submit to the Secretariat a summary of the activities it has conducted pursuant to the article within two years of the entry into force of the Protocol and every two years thereafter. Both decision XVII/24 and decision XX/13, however, recognized that information relevant to the reporting obligation contained in paragraph 3 of Article 9 may be generated through cooperative efforts undertaken in the context of regional ozone networks, ozone research managers' activities under Article 3 of the Vienna Convention, participation by parties in the assessment work of both the Technology and Economic Assessment Panel and the Scientific Assessment Panel under Article 6 of the Montreal Protocol, and national public awareness-raising initiatives.

² By paragraph 3 of Article 7 of the Montreal Protocol, each party is required to provide to the Secretariat statistical data on its annual production of each of the controlled substances listed in Annexes A, B, C, E and F and, separately for each substance, amounts used for feedstock, amounts destroyed by technologies approved by the parties, and imports from and exports to parties and non-parties, respectively, for the year during which the provisions concerning the substances at issue entered into force for that party and for each year thereafter. It further requires that parties must provide such data not later than nine months after the end of the year to which the data relate.

8. Aggregate or summary information on recovered ozone-depleting substances³ is set out in the following annexes:

(a) Annex VIII sets out information on imports and exports of new and recovered substances for 2015 and 2016;

(b) Annex IX sets out information on recovered ozone-depleting substances imported and exported by parties for 2015 and 2016.

9. Annex X shows the amounts of ozone-depleting substances imported or produced for laboratory and analytical uses for 2015 and 2016. By decision XXVI/5, the global exemption for laboratory and analytical uses of ozone-depleting substances was extended until 31 December 2021.

C. Cases of non-compliance and possible non-compliance with the control measures of ozone-depleting substances for 2015

10. Table 2 summarizes information on cases of non-compliance with the control measures of ozone-depleting substances (ODS) for 2015 that were considered last year or are to be considered in the current year. The information is included here for completeness given that not all the information on 2015 compliance status was available in the data report published for consideration by parties in 2016.

Table 2

Cases of non-compliance for 2015 due to excess ODS consumption

Party	Annex/ group ⁴	ODP-tonnes			Explanation or comment
		Baseline	2015 limit	2015 Consumption	
Kazakhstan	C/I (HCFC)	39.5	9.9*	12.11	Non-compliance with commitment in decision XXVI/13: considered by the Implementation Committee at its fifty-seventh and fifty-eighth meetings: <ul style="list-style-type: none"> • By recommendation 57/1, the Committee requested Kazakhstan to submit an explanation for its deviation and, if relevant, a plan of action for ensuring its prompt return to compliance; • By recommendation 58/1, the Committee noted with appreciation the information provided, and requested Kazakhstan to submit further information for consideration at the Committee's fifty-ninth meeting.

Abbreviations: HCFC, hydrochlorofluorocarbon; ODP-tonnes, ozone-depletion potential tonnes; ODS, ozone-depleting substances.

* Limit derived from decision XXVI/13, whereby Kazakhstan committed itself to reducing its consumption of hydrochlorofluorocarbons to no greater than 9.9 ODP-tonnes in 2015.

D. Status of compliance with the control measures⁵ for production and consumption of ozone-depleting substances for 2016 by parties not operating under paragraph 1 of Article 5

11. Table 3 lists all cases of ODS consumption for 2016 reported so far that exceed the reduction schedules for parties not operating under paragraph 1 of Article 5, together with explanations or clarifications provided either by the relevant party or the Secretariat, as applicable.

³ Paragraph 3 bis of Article 7 of the Protocol provides that, for annual data on recycled substances, each party shall provide to the Secretariat separate statistical data on its annual imports and exports of each of the controlled substances listed in group II of Annex A and group I of Annex C that have been recycled.

⁴ Annex/group substances identified in tables 3–8 are as follows: A/I substances are chlorofluorocarbons (CFCs); A/II substances are halons; B/I substances are other fully halogenated CFCs; B/II substance is carbon tetrachloride; B/III substance is methyl chloroform; C/I substances are hydrochlorofluorocarbons; C/II substances are hydrobromofluorocarbons; C/III substance is bromochloromethane; E/I substance is methyl bromide.

⁵ The control measures applicable to parties for 2016 are summarized in annex III to the present report.

Table 3

Accounting and explanations for consumption that exceeds the amount permitted by the reduction schedules for parties not operating under paragraph 1 of Article 5 for 2016

Party	Annex/ group ⁴	ODP-tonnes			Explanation or comment
		Baseline	2016 limit	2016 consumption	
1. Australia	E/I	422.4	0	17.9	Critical uses = 17.9 ODP-t. Exempted amount = 17.9 ODP-t in paragraph 1 of decision XXVI/6.
2. Canada	B/II	6167.7	0	0.2	Laboratory and analytical uses = 0.2 ODP-t.
	E/I	120.1	0	2.6	Critical uses = 2.6 ODP-t. Exempted amount = 3.2 ODP-t in paragraph 1 of decision XXVI/6.
3. Israel	E/I	2148	0	244.6	Stockpile for feedstock use or export for that use in a future year (paragraph 1 (c) of decision XVIII/17) = 245.2 ODP-t.
4. Japan	B/II	74879.2	0	18.5	Laboratory and analytical uses = 18.5 ODP-t.
5. Kazakhstan	C/I	39.5	3.95	4.96	Non-compliance: ODS consumption exceeds benchmark commitment of 3.95 ODP-t in decision XXVI/13. Issue to be considered by the Implementation Committee.
6. United States of America	C/II	0	0	0.7	Stockpile for destruction or export for destruction in a future year (paragraph 1(b) of decision XVIII/17) = 0.7 ODP-t.
	E/I	15317.4	0	85.6	Critical uses = 78 ODP-t. Exempted amount = 140.9 ODP-t in paragraph 1 of decision XXVI/6. Production stockpiled to be exported for critical uses = 18.2 ODP-t.

Abbreviation: ODP-t, ozone-depletion potential tonnes; ODS, ozone-depleting substances.

12. Table 4 lists all cases reported so far of production for 2016 that exceed the reduction schedules for parties not operating under paragraph 1 of Article 5, together with explanations or clarifications provided either by the relevant party or the Secretariat, as applicable.

Table 4

Accounting and explanations for production that exceeds the amount permitted by the reduction schedules for parties not operating under paragraph 1 of Article 5 for 2016

Party	Annex/ group ⁴	ODP-tonnes			Explanation or comment
		Baseline	2016 limit	2016 production	
1. Israel	E/I	16800	0	263.2	Clarification pending: Excess = 5.4 ODP-t. Stockpile for feedstock use or export for that use in a future year (paragraph 1 (c) of decision XVIII/17) = 245.2 ODP-t. Production for export for critical uses = 12.6 ODP-t.
2. Japan	B/II	19602	0	18.5	Laboratory and analytical uses = 18.5 ODP-t.
3. United States of America	C/II	0	0	0.7	Stockpile for destruction or export for destruction in a future year (paragraph 1 (b) of decision XVIII/17) = 0.7 ODP-t.
	E/I	16908	0	217.4	Critical uses = 78 ODP-t. Exempted amount = 140.9 ODP-t in paragraph 1 of decision XXVI/6. Production for export for critical uses = 149.6 ODP-t.

Abbreviations: ODP-t, ozone-depletion potential tonnes.

E. Status of compliance with the control measures for production and consumption of ozone-depleting substances for 2016 by parties operating under paragraph 1 of Article 5

13. Table 5 lists all cases reported to date of ODS consumption for 2016 that exceeds the prescribed limits for parties operating under paragraph 1 of Article 5, together with explanations or clarifications provided by the Secretariat, as applicable.

Table 5

ODS consumption that exceeds the amount permitted by the reduction schedules for parties operating under paragraph 1 of Article 5 for 2016 and associated explanations

Party	Annex/ group ⁴	ODP-tonnes			Explanation or comment
		Baseline	2016 limit	2016 consumption	
1. Argentina	E/I	411.3	0	77.5	Critical uses = 77.5 ODP-t. Exempted amount = 77.6 ODP-t in decision XXVII/3.
2. Jamaica	E/I	4.9	0	0.2	Emergency use, as permitted under decision IX/7
3. Libya	C/I	118.38	106.542	118.36	Within benchmark commitment of 118.4 ODP-t in decision XXVII/11.
4. Mexico	B/II	62.5	0	0.1	Laboratory and analytical uses = 0.1 ODP-t.
	E/I	1130.8	0	49.4	Critical uses = 49.4 ODP-t. Exempted amount = 51 ODP-t in decision XXVII/3.
5. South Africa	E/I	602.7	0	74.6	Clarification pending: Excess = 74.6 ODP-t.

Abbreviation: ODP-t, ozone-depletion potential tonnes.

14. No cases of deviation from the production reduction schedules are suggested to date by the data submitted by parties operating under paragraph 1 of Article 5 for 2016.

F. Monitoring of the progress of parties that have decisions outlining their plans of action containing commitments to meeting specific targets for 2016

15. Decisions adopted by the Meeting of the Parties on parties that may previously have been in non-compliance usually call for close monitoring of those parties' progress with regard to their implementation of the plans of action set out in those decisions. The present section is intended to facilitate that monitoring.

16. Table 6 lists parties who have reported Article 7 data to date, whose consumption for 2016 is within the limits prescribed by the Protocol and who have made commitments, with specific benchmarks for 2016, under the plans of action set out in the decisions adopted by the Meeting of the Parties.

Table 6

Information on consumption for 2016 for parties that have agreed to benchmarks under plans of action in decisions adopted by the Meeting of the Parties

Party	Annex/ group ⁴	ODP-tonnes			Explanation or comment
		Baseline	2016 limit	2016 consumption	
1. Democratic People's Republic of Korea	C/I	78	70.2	69.91	Within benchmark commitment of 70.16 ODP-t in decision XXVI/15.
2. Ukraine	C/I	164.2	16.42	16.11	Within benchmark commitment of 16.42 ODP-t in decision XXIV/18.

Abbreviation: ODP-t, ozone-depletion potential tonnes.

17. Table 7 lists parties who have reported Article 7 data to date, whose production for 2016 is within the limits prescribed by the Protocol and who have made commitments, with specific

benchmarks for 2016, under the plans of action set out in decisions adopted by the Meeting of the Parties.

Table 7

Information on production for 2016 for parties that have agreed to benchmarks under plans of action in decisions adopted by the Meeting of the Parties

Party	Annex/ group ⁴	ODP-tonnes			Explanation or comment
		Baseline	2016 limit	2016 production	
Democratic People's Republic of Korea	C/I	27.6	24.84	24.81	Within benchmark commitment of 24.84 ODP-t in decision XXVI/15.

Abbreviation: ODP-t, ozone-depletion potential tonnes.

G. Accounting for exemptions granted for 2016 for essential uses, critical uses and emergency uses

18. For 2016, China was the only party that applied for and was granted essential use exemption for ozone-depleting substances. Table 8 summarizes the information regarding the exemption granted to China for essential uses of carbon tetrachloride for that year. The table includes information on the status of submission of accounting reports⁶ by China in accordance with decision VIII/9.

Table 8

Essential-use exemptions granted to China for use of carbon tetrachloride in 2016

Exempted amount (tonnes)	Decision	Application	Status of submission of accounting report
70	XXVII/2	Laboratory and analytical uses: testing of oil, grease and total petroleum hydrocarbons in water	Submitted

19. In 2016 eight parties were granted critical use exemptions for use of methyl bromide. Table 9 summarizes information regarding exemptions granted to those eight parties for critical uses and emergency uses of methyl bromide for that year. The table includes information on the status of submission of those parties' accounting reports in accordance with decisions Ex.I/4 (paragraph 9 (f)) and XVI/6.⁷

⁶ In paragraph 9 of decision VIII/9, parties that have been granted essential-use exemptions for previous years are requested to submit such reports by 31 January each year.

⁷ Decisions Ex.I/4 (para. 9 (f)) and XVI/6 provide that accounting reports must be submitted with nominations for critical-use exemptions; hence, parties not submitting nominations have no obligation to submit accounting reports.

Table 9

Critical-use and emergency use exemptions granted to parties for methyl bromide use in 2016

<i>Party</i>	<i>Exempted amount (tonnes)</i>	<i>Decision</i>	<i>Status of submission of accounting report</i>
1. Argentina	129.25	XXVII/3	Submitted
2. Australia	29.760	XXVI/6 (para. 1)	Submitted
3. Canada	5.261	XXVI/6 (para. 1)	Submitted
4. China	99.75	XXVII/3	Submitted
5. Israel	0.5	IX/7*	No obligation to submit a report for an emergency use
6. Jamaica	1.5	IX/7**	No obligation to submit a report for an emergency use
7. Mexico	84.957	XXVII/3	No obligation to submit since no nomination in 2017
8. South Africa	74.062	XXVII/3	Submitted
9. United States of America	234.78	XXVI/6 (para. 1)	Submitted

* Upon notification to the Secretariat, Israel reported the use of 0.5 tonnes of methyl bromide in response to an emergency event, as permitted under decision IX/7 (UNEP/OzL.Pro.WG.1/38/8, Annex I, para. 21).

** Jamaica informed the Secretariat in July 2016 of an emergency use of 1.5 tonnes of methyl bromide for use by a flourmill for the fumigation of stored commodities and warehouses (UNEP/OzL.Pro.28/12, annex II, section C).

H. Reporting of exports and their destination countries (decision XVII/16)

20. Table 10 summarizes information on the quantity of exports⁸ reported by parties and the number of parties reporting such exports, together with information on specification of destination countries.

Table 10

Reporting of exports and destination information

<i>Year</i>	<i>Quantity of exports reported</i>			<i>Number of parties reporting exports</i>			
	<i>Total (tonnes)</i>	<i>Destination countries specified (tonnes)</i>	<i>Destination countries specified (per cent)</i>	<i>All parties</i>	<i>All exports with destination countries</i>	<i>Some exports with destination countries</i>	<i>All exports without destination countries</i>
2016*	82 383	78 848	95.7	31	26	3	2
2015	204 769	203 614	99.4	28	20	8	0
2014	240 736	236 808	98.4	30	22	7	1
2013	245 184	240 300	98.0	30	25	5	0
2012	283 757	278 431	98.1	34	26	5	3
2011	278 561	273 265	98.1	34	24	7	3
2010	273 523	266 935	97.6	29	20	7	2

* Data for 2016 is incomplete as some parties have yet to report Article 7 data for the year.

21. In February 2017, the Secretariat sent out the aggregated information⁹ covering data reported for 2015 to 133 parties that were listed as destinations by exporting parties.

⁸ In decision XVII/16, the Seventeenth Meeting of the Parties requested the Secretariat to revise the reporting formats to cover exports and re-exports of all controlled ozone-depleting substances and urged the parties to implement the revised reporting format expeditiously. In the statistics, the Secretariat excludes exports reported by individual European Union member States in order to avoid duplication with the exports reported by the European Union on behalf of its member States.

⁹ In paragraph 4 of decision XVII/16, the Seventeenth Meeting of the Parties requested the Secretariat to report aggregated information received from exporting/re-exporting parties to the importing parties concerned.

I. Reporting of imports and their source countries (decision XXIV/12)

22. Table 11 summarizes information on the quantity of imports¹⁰ reported by parties and the number of parties reporting such imports, together with information on specification of source countries.

Table 11

Reporting of imports and source country information

Year	Quantity of imports reported			Number of parties reporting imports			
	Total (tonnes)	Source countries specified (tonnes)	Source countries specified (per cent)	All parties	All imports with source countries	Some imports with source countries	All imports without source countries
2016*	189 554	135 838	71.7	154	37	20	97
2015	213 118	113 900	53.4	160	39	13	108
2014	250 383	148 940	59.5	164	36	10	118
2013	258 287	99 411	38.5	165	37	6	122
2012	315 291	135 838	43.1	166	18	13	135

* Data for 2016 is incomplete as some parties have yet to report Article 7 data for the year.

23. In March 2017, the Secretariat sent out letters to 40 parties that had been listed as exporting countries by importers during the year 2015, inviting those parties interested in the compiled information relevant to them to notify the Secretariat if they wished to receive such information. Nineteen of the parties responded and were sent the compiled information.

J. Consolidated record of cases of excess production and consumption attributable to stockpiling, prepared in accordance with decisions XVIII/17 and XXII/20

24. In accordance with decisions XVIII/17 and XXII/20, the Secretariat has included the latest information on the consolidated record of cases of excess production and consumption attributable to stockpiling¹¹ in annex XI to the present report. The latest cases recorded are for 2016 and were reported by Israel and the United States of America. Both parties have indicated that they have the necessary measures and regulations in place to prevent the stockpiled substances from being diverted to unauthorized uses, as required under paragraph 3 of decision XXII/20.

25. Israel complied with decision XXVIII/10 and the requirements of paragraph 3 of decision XXII/20 for its reported excess production of bromochloromethane for 2014 by confirming that the stocked quantity was sold in 2016 and that the export details would be reported under Article 7 data for 2016.

¹⁰ In decision XXIV/12, the Twenty-Fourth Meeting of the Parties requested the Secretariat to revise the reporting format, before 1 January 2013, to include an annex in which reporting parties could, on a voluntary basis, identify the exporting parties for any ozone-depleting substance reported as imports. Paragraph 2 of the decision also requested the Secretariat to compile every January aggregated information on controlled substances by annex and group received from the importing/re-importing party and to provide this uniquely and solely to the exporting party concerned when requested.

¹¹ By decisions XVIII/17 and XXII/20, the Meeting of the Parties requested the Secretariat to maintain a consolidated record of cases in which parties, when reporting data under Article 7 of the Protocol, had identified excess production and consumption that was a consequence of ozone-depleting substance production in the reporting year that had been stockpiled: (a) for domestic destruction or export for destruction in a future year; (b) for domestic feedstock use or export for that use in a future year; (c) for export to meet basic domestic needs of developing countries in a future year. Paragraph 3 of the decision directed that in any case mentioned in paragraph 2 of that decision, no follow-up action from the Implementation Committee was deemed necessary if the relevant party had reported that it had the necessary measures in place to prohibit the use of the ozone-depleting substances for any purpose other than those designated in paragraph 2 of the decision.

K. Reporting of process-agent uses for 2014, 2015 and 2016 (decisions XXI/3 and X/14)

26. In decision XXI/3, the Secretariat was requested to bring cases of non-reporting of process-agent uses of ozone-depleting substances to the attention of the Implementation Committee for its consideration.

27. Only four parties (China, the European Union, Israel and the United States of America) still report on the use of ozone-depleting substances as process agents. All have submitted their reports on process agent uses for 2014, 2015 and 2016 to the Secretariat, including Israel, which had been requested in decision XXVIII/10 to submit the outstanding information on its use of controlled substances as process agents in 2014 and 2015. The information on the latest allowed limits for make-up (or consumption) and emissions can be found in table B of the annex to decision XXIII/7.

L. Production of chlorofluorocarbons, halons, carbon tetrachloride and other phased-out ozone-depleting substances

28. Reported information on the production of chlorofluorocarbons, halons, carbon tetrachloride and other phased-out ozone-depleting substances¹² for the period from 2010 to 2014 is set out in annex XII to the present report.

29. Table 12 summarizes information for 2015 received from parties with production of substances whose phase-out dates have passed. Substances produced in amounts of less than 1 tonne, usually for exempted uses such as laboratory and analytical uses, have been excluded from the summary.

30. The information for 2016 will be set out in a future report, given that reporting of data for 2016 is still incomplete.

Table 12

Production of phased-out ozone-depleting substances in 2015

(tonnes)

<i>Annex/group</i>	<i>A/I</i>	<i>A/II</i>	<i>B/II</i>	<i>B/III</i>	<i>C/II</i>	<i>C/III</i>	<i>E/I</i>	<i>Total</i>
Number of parties reporting	4	2	12	2	4	2	5	–
Total production for all uses	87 356	871	225 280	85 122	127	1 574	13 048	413 378
Production for own feedstock uses	86 011	871	212 401	85 122	125	552	3 796	388 878
Production for own essential uses	75	–	80	–	–	–	490	645
Exported for feedstock uses	1 176	–	0	–	2	1 082	131	2 391
Exported for essential uses	4	–	–	–	–	–	271	275
Amounts destroyed by producers	221	22	12 680	224	–	–	15	13 162
Production for QPS uses	–	–	–	–	–	–	8 449	8 449

Abbreviation: QPS, quarantine and pre-shipment.

31. Slightly over 400,000 tonnes were produced, with chlorofluorocarbons, carbon tetrachloride and methyl chloroform accounting for 96 per cent of that production, with a distribution of 21 per cent, 54 per cent and 21 per cent, respectively. The bulk of the production was for feedstock uses. With respect to the accounting for the production of carbon tetrachloride (Annex B, group II), it should be noted that the small deficit was stockpiled in 2015 for destruction (see annex XI on consolidated record of cases of excess production or consumption attributable to stockpiling in accordance with decision XVIII/17 and decision XXII/20).

M. Feedstock uses of ozone-depleting substances

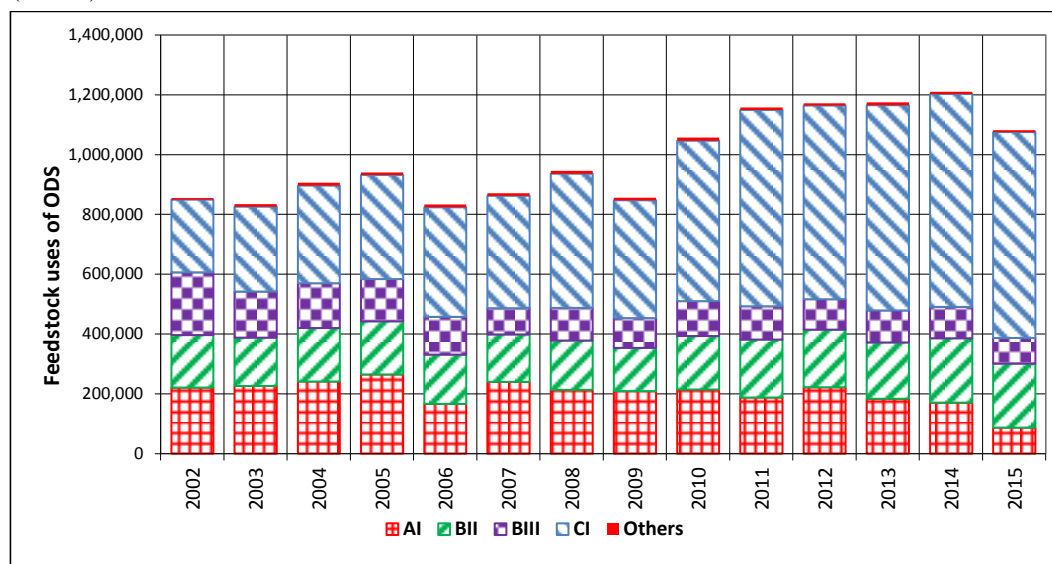
32. The present section summarizes information on the amounts of ozone-depleting substances being used for feedstock applications.¹³ The reported information on amounts of ozone-depleting

¹² Under the control measures, production and consumption of CFCs (annex A, group I, and annex B, group I), halons (annex A, group II) and carbon tetrachloride (annex B, group II) should have been phased out by all parties by 2010, save for uses exempted by the Meeting of the Parties. In addition, substances in annex C, groups II (hydrobromofluorocarbons) and III (bromochloromethane), were phased out immediately upon their inclusion in the Protocol in 1996 and 2002, respectively.

substances used for feedstock applications¹⁴ is set out in annex XIII to the present report, while annex XIV shows the number of parties reporting those feedstock uses. Given that reporting of data for 2016 is still incomplete, aggregate summary information for 2016 will be included in future reports.

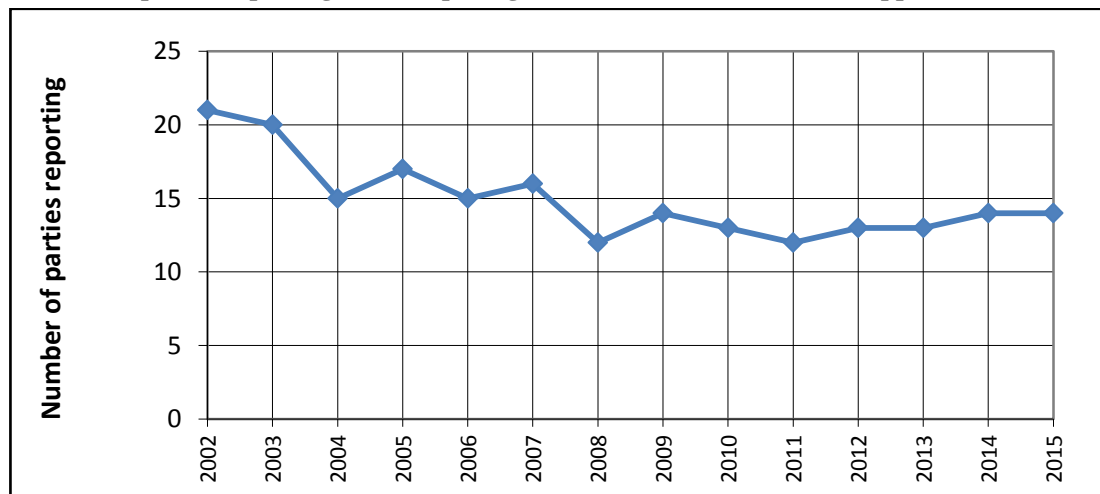
33. Figure I presents the feedstock use information in the form of a bar chart, while figure II shows the number of parties reporting feedstock uses.¹⁴ As shown, the general trend over the last 14 years shows feedstock uses increasing gradually from around 800,000 tonnes to a peak of about 1.2 million tonnes in 2014 before dropping off slightly in 2015. The number of parties, however, has been declining gradually, from 21 parties in 2002 to 12 parties in 2011, after which it rose slightly to 14 parties by 2014.

Figure I
Quantities of ozone-depleting substances used for feedstock applications
 (tonnes)



Abbreviation: ODS, ozone-depleting substances.

Figure II
Number of parties reporting ozone-depleting substances used for feedstock applications



¹³ The Protocol specifies in Article 1 that amounts of ozone-depleting substances entirely used as feedstock in the manufacture of other chemicals are to be subtracted in the calculation of production and consumption.

¹⁴ Amounts of ozone-depleting substances used for feedstock applications in a country is the sum of amounts of ozone-depleting substances produced for feedstock uses and the amounts of ozone-depleting substances imports for feedstock uses.

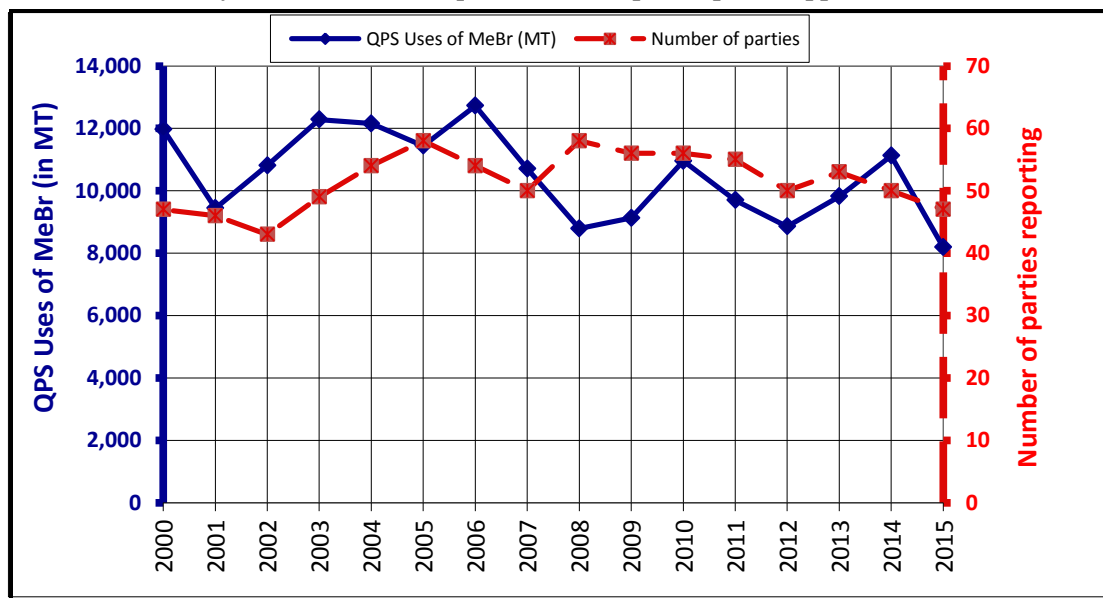
N. Quarantine and pre-shipment uses of methyl bromide

34. In order to facilitate consideration of the issue of quarantine and pre-shipment uses of methyl bromide,¹⁵ annex XV sets out a table showing non-zero data on quarantine and pre-shipment uses of methyl bromide reported by parties under Article 7 for the period 2000–2015, presented in tonnes. Given that reporting of data for 2016 is still incomplete, aggregate summary information for 2016 will be included in future reports.

35. Figure III presents the global total figures in a line chart. It shows that the general trend over the last 15 years has been oscillating at around 10,000 tonnes, with a maximum of about 12,700 tonnes and a minimum of close to 8,200 tonnes. The number of parties reporting quarantine and pre-shipment uses has ranged from 43 to 58.

Figure III

Quantities of methyl bromide used for quarantine and pre-shipment applications



Abbreviations: MeBr, methyl bromide; MT, metric tons; QPS, quarantine and pre-shipment.

O. Destruction of ozone-depleting substances

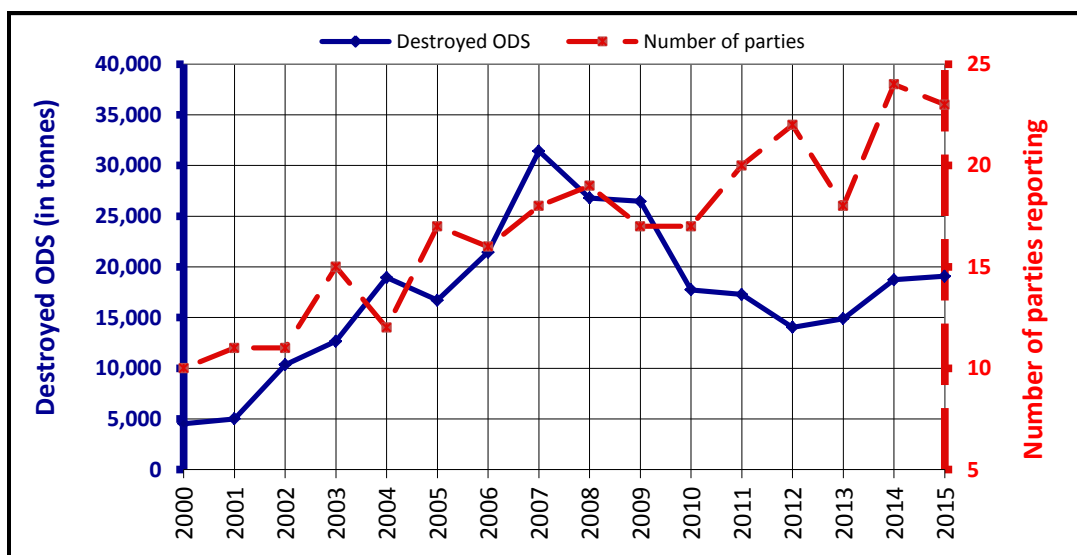
36. To facilitate consideration of the issue of destroyed ozone-depleting substances,¹⁶ annex XVI sets out a table showing non-zero data on the destruction of ozone-depleting substances reported by parties under Article 7 for the period 2000–2015. Given that reporting of data for 2016 is still incomplete, aggregate summary information for 2016 will be included in future reports. The annual data for each party are aggregated for all substances reported for the year and are presented in tonnes.

37. Figure IV shows the global total figures for the information in a line chart. It shows that in general, over the last 16 years, destroyed quantities grew from about 5,000 tonnes in 2000 to a maximum of about 31,500 tonnes in 2007, then declined gradually to about 14,000 tonnes in 2012 before rising again to almost 20,000 tonnes in 2015. The number of parties reporting destruction of ozone-depleting substances has risen gradually, however, from 6 in 1996 to 24 in 2014.

¹⁵ The Protocol specifies, in paragraph 6 of Article 2H, that the calculated levels of consumption and production under the article shall not include the amounts used by the party for quarantine and pre-shipment applications.

¹⁶ The subtraction of destroyed ozone-depleting substances in the calculation of production and consumption is specified in Article 1 of the Montreal Protocol, signed in 1987. The requirement to report amounts destroyed by technologies approved by the parties, however, was formally introduced under Article 7 through the London Amendment, which was adopted in 1990.

Figure IV
Quantities of ozone-depleting substances destroyed



Abbreviation: ODS, ozone-depleting substances.

P. Response by parties to decision XXIV/14 (reporting of zero in Article 7 data reporting forms)

38. The present section summarizes information on parties' response to decision XXIV/14.¹⁷ Table 13 shows the number of parties that submitted incomplete Article 7 data forms and the number that responded to follow-up requests by the Secretariat for clarification.

39. It should be noted that some parties do not submit Article 7 data forms when reporting data. Some of those parties with zero production and consumption or very few imports notify the Secretariat in a letter rather than using the official Article 7 data reporting forms, while some parties operating under paragraph 1 of Article 5 submit their Article 7 data using the country programme forms of the Secretariat of the Multilateral Fund for the Implementation of the Montreal Protocol. When parties submit country programme forms, the Secretariat extracts the import, export and production information and requests the parties to resubmit their data using the Article 7 data reporting forms.

Table 13

Response by parties to decision XXIV/14, on reporting of zero in Article 7 data reporting forms

Description of activity	Number of parties			
	2013	2014	2015	2016 ^a
Reporting annual data	197	197	197	187
Submitting Article 7 data forms when reporting data	(Not captured) ^b	(Not captured) ^b	160	171
Submitting Article 7 data forms with some blank cells	60	43	32	22
Rate of submission of data forms with some blank cells	(Not captured) ^b	(Not captured) ^b	20%	13%
Responding to Secretariat's request for clarification	17	43	32	20
Rate of response to Secretariat's request for clarification	28%	100%	100%	91%

^a Data for 2016 is not complete and will be updated in future data reports.

^b 2015 was the first year for which the Secretariat recorded information on whether parties reported their Article 7 data using the official Article 7 reporting forms.

¹⁷ In decision XXIV/14, the Meeting of the Parties requested parties, when reporting production, imports, exports or destruction, to enter a number in each cell in the data reporting forms that they submit, including zero, where appropriate, rather than leaving the cell blank. In the same decision, the Meeting of the Parties asked the Secretariat to request clarification from any party that submits a reporting form containing a blank cell.

40. The list of parties that had not responded by 30 September 2017 to Secretariat requests for clarification on the treatment of blank cells for data submissions for 2015 will be presented for consideration by the Implementation Committee at its fifty-ninth meeting.

Q. Issues the Secretariat wishes to bring to the attention of the parties: revision of hydrochlorofluorocarbon baseline data

41. The Secretariat wishes to inform the parties that the hydrochlorofluorocarbon (HCFC) baseline data, and in some cases also annual data, for Afghanistan, Morocco and Swaziland have been revised downwards for various reasons. For Afghanistan, the revision occurred after excluding imports of recovered HCFC-22 that had been erroneously included in the calculation of the baseline, while the revisions for Morocco and Swaziland were made to exclude the amounts of HCFC-141b contained in imports of pre-blended polyols. These revisions, which were communicated to the concerned parties, occurred after the Secretariat became aware, between November 2016 and early 2017, of possible discrepancies in the treatment of imports of recovered HCFCs and HCFC-141b contained in imported pre-blended polyols as reported by several parties for various years.

42. The Secretariat reviewed the original communication received from the three parties when they were submitting their Article 7 data for the relevant years, which included 2009 and 2010, and communicated with Morocco and Swaziland to confirm the amounts of HCFC-141b contained in imported pre-blended polyols that had not been excluded from the calculation of consumption. The data for 2010 were revised for Afghanistan, the data for 2009 to 2015 were revised for Morocco, and the data for 2009 to 2012 were revised for Swaziland. The table below summarizes the revisions for the three parties.

Table 14

Revision of HCFC data, including for the baseline years, to exclude recovered HCFCs and HCFC-141b contained in pre-blended polyols
(ODP-tonnes)

Party		Year						Baseline	
		2009	2010	2011	2012	2013	2014		2015
Afghanistan	Previous consumption	22.2	25.3						23.8
	Imports of recovered HCFC-22	–	0.4						
	Revised consumption	22.2	24.9						23.6
Morocco	Previous consumption	68	51.4	78.8	68.84	49.41	49.1	28.36	59.7
	HCFC-141b in pre-blended polyol	8.1	8.6	9.1	9.6	10.2	10.8	11.5	
	Revised consumption	59.89	42.8	69.71	59.2	39.19	38.26	16.88	51.35
Swaziland	Previous consumption	9.5	5	3.14	3.74				7.3
	HCFC-141b in pre-blended polyol	7.7	3.4	2.2	2.4				
	Revised consumption	1.88	1.57	0.96	1.3				1.73

43. The Secretariat has therefore corrected the calculation of the HCFC consumption baseline to exclude imports of recovered HCFCs, and has also updated the recorded information on imports by Morocco and Swaziland to exclude imports of HCFC-141b contained in pre-blended polyols from the calculation of consumption for the applicable years.

44. In addition, Pakistan and the Philippines, two parties that are operating under paragraph 1 of Article 5 of the Protocol, have submitted requests for changes in their HCFC baseline data in accordance with decisions XIII/15 and XV/19, as summarized below:

Table 15

Submitted requests for changes in baseline data for HCFCs

<i>Party</i>	<i>Previous HCFC data (ODP-tonnes)</i>			<i>New HCFC data (ODP-tonnes)</i>		
	<i>2009</i>	<i>2010</i>	<i>Baseline^a</i>	<i>2009^a</i>	<i>2010^a</i>	<i>Baseline^a</i>
Pakistan	239.8	255.0	247.4	240.51	255.70	248.11
Philippines	194.7	222	208.4	162.98	160.96	161.97

^a The Secretariat uses two decimal places when presenting HCFC baselines established after the Twenty-Third Meeting of the Parties (decision XXIII/30). Previously reported data are presented to one decimal place.

45. The information submitted in support of the requests will be presented for consideration by the Implementation Committee at its fifty-ninth meeting.

III. Annexes

46. Table 16 lists the annexes to the present report together with a description of their contents.

Table 16

Annexes to the present report

<i>Annex</i>	<i>Description</i>
I	Deriving calculated production and consumption
II	Key obligations associated with the Protocol and its amendments
III	Control measures for 2016 for all parties
IV	Production and consumption of ozone-depleting substances: comparison of 2016 with baseline: (a) summary for all parties, (b) parties operating under paragraph 1 of Article 5 and (c) parties not operating under paragraph 1 of Article 5
V	Production and consumption of ozone-depleting substances: comparison of 2015 with baseline: (a) summary for all parties, (b) parties operating under paragraph 1 of Article 5 and (c) parties not operating under paragraph 1 of Article 5
VI	Production and consumption of ozone-depleting substances: comparison of 2015 and 2016 with baseline: summary by region
VII	Production, import and export of ozone-depleting substances: comparison of 2015 and 2016 with baseline
VIII	Imports and exports of new and recovered ozone-depleting substances in 2015 and 2016
IX	Recovered ozone-depleting substances imported and exported by parties in 2015 and 2016
X	Laboratory and analytical uses of ozone-depleting substances in 2015 and 2016
XI	Consolidated record of cases of excess production or consumption attributable to stockpiling in accordance with decision XVIII/17 and decision XXII/20
XII	Production of chlorofluorocarbons, halons, carbon tetrachloride and other phased-out substances
XIII	Reported feedstock uses of ozone-depleting substances
XIV	Number of parties reporting feedstock uses of ozone-depleting substances
XV	Consumption of methyl bromide for quarantine and pre-shipment uses reported by parties
XVI	Destruction of ozone-depleting substances reported by parties

Annex I

Deriving calculated production and consumption

1. The present section provides information on how the Secretariat calculates the production and consumption by the parties of substances controlled under the Montreal Protocol.

2. According to the definitions in paragraphs 5 and 6, respectively, of Article 1 of the Protocol, the formulae, in their most basic form, for calculating production and consumption are as follows:

(a) Production = Amount produced – amount destroyed – feedstock uses;

(b) Consumption = Production + imports – exports.

3. The control measures apply to groups of substances rather than individual substances. According to Article 3 and paragraph 7 of Article 1, therefore, consumption and production for each group of substances are calculated by multiplying each component in the formulas (i.e., amount produced, imports, exports, amount destroyed and amount used as feedstock) by the ozone depleting potential for each substance in the group and then aggregating the results for each annex group.

4. When the parties adopted the data reporting formats in decision IX/28, reporting of data on feedstock uses implemented by requiring reporting in three areas: amounts “produced for feedstock uses within the producing country”, amounts “imported for feedstock uses” and amounts “exported for feedstock uses”. Paragraph 1 of decision VII/30 clarified that controlled substances produced and exported for feedstock uses should not be included in the calculation of “production” or “consumption” in exporting countries, while paragraph 2 of that decision clarified that controlled substances used as feedstock should not be included in the calculation of “consumption” in importing countries.

5. Adjusting the formulas for calculating production and consumption to accommodate these aspects of reporting feedstock uses yields the following:

(a) Production = total amount produced – amount destroyed – production for internal feedstock uses¹ – exports for feedstock²;

(b) Consumption = Production + (imports – imports for feedstock) – (exports – exports for feedstock²).

6. Decision X/14 provides for process agent uses to be treated in a manner similar to feedstock uses. Thus, process agent uses should not be taken into account in the calculation of production and consumption. The decision outlines conditions under which the exclusion is available, specifying among other things the uses to which the exclusion applies, the parties allowed to make use of it and the maximum emissions and make-up limits for each allowed party.

7. Where the term “feedstock” appears in the formulas above, therefore, similar components for process agent uses may also apply, but only for qualifying parties satisfying the provisions of decision X/14. For example, when a Party reports production for process agent uses, that production is only excluded in the calculation if the Party is allowed process agent uses by a decision of the MOP.

8. Paragraph (c) of Article 3 of the Protocol provides that controlled substances exported to non-parties should not be subtracted in calculating the consumption level of the exporting party.

9. Finally, paragraph 6 of Article 2H excludes methyl bromide used for quarantine and pre-shipment applications from the calculation of consumption and production. In the data reporting forms, Parties report amounts of methyl bromide produced for quarantine and pre-shipment applications (i.e. a single production total figure for uses within the country and for export) and, separately, amounts exported for such uses and amounts imported for such uses. It should be noted that the quarantine and pre-shipment exclusion applies only to methyl bromide and is not available for any other controlled substance.

¹ This “production for internal feedstock uses” component is production for feedstock uses within the producing party.

² “Exports for feedstock uses” are deducted only for parties that report production and export of a given substance within the same year - Paragraph 1 of decision VII/30.

10. Adjusting the formulas for calculating production and consumption to take into account provisions for process agents, exports to non-parties and quarantine and pre-shipment uses yields the following:

- (a) Production = total amount produced – amount destroyed – production for internal feedstock uses¹ – exports for feedstock² – production for quarantine and pre-shipment³;
- (b) Consumption = Production + (imports – imports for feedstock – imports for QPS) – (exports – exports for feedstock² – exports for QPS⁴ – exports to non-parties).

11. The figures are then rounded to one decimal point in accordance with the guidance provided by the Eighteenth Meeting of the Parties (UNEP/OzL.Pro.18/10, paras. 145–147). Two decimal places have been used, however, in presenting and analysing HCFC data reported after 25 November 2011, as directed by the parties in decision XXIII/30.

12. Throughout the present report and its annexes, negative values for calculated production for a given year imply that quantities destroyed or quantities exported for feedstock uses exceeded production for that year, meaning that some of the destroyed or exported quantities were taken from stockpiles. Similarly, negative values for calculated consumption indicate that quantities destroyed or quantities exported for the year exceeded production and imports, implying that some of the destroyed or exported quantities came from stockpiles.

³ “Production for quarantine and pre-shipment” includes production for use within the producing party and production for export purposes.

⁴ “Exports for quarantine and pre-shipment” are only deducted if the exporting party reported production of methyl bromide for that purpose within the same year.

Annex II

Key obligations associated with the Protocol and its amendments

Table 1

Key obligations associated with the Protocol and its amendments

<i>Instrument</i>	<i>Key obligations</i>
1. Montreal Protocol	<ul style="list-style-type: none"> • Report production and consumption of Annex A substances (CFCs and halons) • Control production and consumption of Annex A substances (CFCs and halons)
2. London Amendment	<ul style="list-style-type: none"> • Report consumption and production of Annex B substances (other CFCs, carbon tetrachloride and methyl chloroform) and Annex C, group I, substances (HCFCs) • Control production and consumption of Annex B substances (other CFCs, carbon tetrachloride and methyl chloroform) • Ban imports and exports of Annex A and Annex B substances (CFCs, halons, carbon tetrachloride and methyl chloroform) to any State not party to the amendment
3. Copenhagen Amendment	<ul style="list-style-type: none"> • Report production and consumption of Annex C, groups I and II, substances (HCFCs and hydrobromofluorocarbons (HBFCs)) and the Annex E substance (methyl bromide) • Control consumption of Annex C, group I, substances (HCFCs) • Control production and consumption of Annex C, group II, substances (HBFCs) and the Annex E substance (methyl bromide) • Ban imports and exports of Annex C, group II, substances (HBFCs) to any State not party to the amendment
4. Montreal Amendment	<ul style="list-style-type: none"> • Establish, implement and report on a system for licensing the import and export of controlled substances • Ban imports and exports of the Annex E, group I, substance (methyl bromide) to any State not party to the amendment
5. Beijing Amendment	<ul style="list-style-type: none"> • Control production of Annex C, group I, substances (HCFCs) • Report production and consumption of the Annex C, group III, substance (bromochloromethane) • Control production and consumption of the Annex C, group III, substance (bromochloromethane) • Ban imports and exports of Annex C, group I, substances (HCFCs) from and to any State not party to the amendment (for parties operating under paragraph 1 of Article 5 of the Protocol, the ban commenced on 1 January 2013 based on decision XX/9)

Annex III

Control measures for 2016 for all parties

1. The control measures applicable to parties not operating under paragraph 1 of Article 5 for 2016 are summarized in the table 2 while those applicable to parties operating under paragraph 1 of Article 5 for 2016 are summarized in the
2. Table 2.
3. For all parties, excess production or consumption is allowed for exempted amounts approved for essential uses or critical uses, laboratory and analytical uses and increased production for satisfying the basic domestic needs of parties operating under paragraph 1 of Article 5. In reviewing compliance, the Secretariat also takes into account the transfer of production rights between parties.
4. Excess production and consumption attributable to stockpiling under the scenarios described in decision XXII/20 are recorded for information purposes only and parties reporting any such excess production or consumption are not subject to the non-compliance procedure, as directed by the Meeting of the Parties in that decision.
5. For parties that may previously have been in non-compliance and are the subject of decisions outlining those Parties' commitments to plans of action with time-specific benchmarks for returning to compliance, the limits and the actions specified in those decisions are used as the primary determinant of the adherence by those parties to their obligations to reduce their production and consumption levels.

Table 2

Control measures applicable to parties not operating under paragraph 1 of Article 5 for 2016

<i>Annex/group(s)</i>	<i>Control measures applicable in 2016 to production and consumption^a</i>
A/I (CFCs), A/II (halons), B/I (other CFCs), B/II (carbon tetrachloride), C/II (hydrobromofluorocarbons), C/III (bromochloromethane) and E/I (methyl bromide)	Total phase-out except for quantities allowed, approved or exempted by the Protocol or the Meeting of the Parties
C/I (HCFCs)	No greater than 10 per cent of the baseline

^a Except for quantities allowed, approved or exempted by the Protocol or the Meeting of the Parties.

Table 3

Control measures applicable to parties operating under paragraph 1 of Article 5 for 2016

<i>Annex/group(s)</i>	<i>Control measures applicable in 2016 to production and consumption^a</i>
A/I (CFCs), A/II (halons), B/I (other CFCs), B/II (carbon tetrachloride), B/III (methyl chloroform), C/II (hydrobromofluorocarbons), C/III (bromochloromethane) and E/I (methyl bromide)	Total phase-out
C/I (Hydrochlorofluorocarbons)	No greater than 90 per cent of the baseline

^a Except for quantities allowed, approved or exempted by the Protocol or the Meeting of the Parties.

Annex IVa - Production and Consumption of ODSs - Comparison of 2016 with**Baseline: Summary for All Parties (ODP Tonnes)****Key**

- AI - Annex A, Group I (CFCs). Base for Article 5 parties is the average of 1995, 1996 and 1997. Base for non-Article 5 Parties is 1986.
 All - Annex A, Group II (Halons). Base for Article 5 parties is the average of 1995, 1996 and 1997. Base for non-Article 5 Parties is 1986.
 BI - Annex B, Group I (Other Halogenated CFCs). Base for Article 5 parties = average of 1998, 1999 and 2000. Base for non-Article 5 Parties is 1989.
 BII - Annex B, Group II (Carbon Tetrachloride). Base for Article 5 parties is the average of 1998, 1999 and 2000. Base for non-Article 5 Parties is 1989.
 BIII - Annex B, Group III (Methyl Chloroform). Base for Article 5 parties is the average of 1998, 1999 and 2000. Base for non-Article 5 Parties is 1989.
 CI - Annex C, Group I (HCFCs). Base for Article 5 parties is the average of 2009 and 2010. Base consumption for non-Article 5 Parties is 1989 consumption of HCFCs plus 2.8% of 1989 consumption of CFCs. Base production for non-Article 5 Parties is Average of 1989 HCFC production + 2.8% of 1989 CFC production and 1989 HCFC consumption + 2.8% of 1989 CFC consumption.
 CII - Annex C, Group II (HBFCs). Phase-out requirement was in 1996.
 CIII - Annex C, Group III (Bromochloromethane). Phase-out requirement was in 2002.
 EI - Annex E, Group I (Methyl Bromide). Base for Article 5 parties is the average of 1995, 1996, 1997 and 1998. Base for non-Article 5 Parties is 1991.

	PRODUCTION**			CONSUMPTION**			Per Cap. Cons.
	2016	Base	% Chng	2016	Base	% Chng	
All Parties 187 - Population*: 7,303,256							
AI - Chlorofluorocarbons (CFCs)	-1,385.7	1,124,768.6	-100.12	-1,387.9	1,048,205.4	-100.13	-0.0002
All - Halons	-311.8	231,127.8	-100.13	-311.8	207,824.5	-100.15	0.0000
BI - Other Fully Halogenated CFCs	-17.7	3,344.7	-100.53	-17.6	3,357.3	-100.52	0.0000
BII - Carbon Tetrachloride	-1,129.7	390,170.7	-100.29	-1,848.1	312,673.9	-100.59	-0.0003
BIII - Methyl Chloroform	-29.6	69,670.6	-100.04	-29.6	61,703.8	-100.05	0.0000
CI - Hydrochlorofluorocarbons (HCFCs)	25,656.23	74,062.40	-65.36	20,372.86	69,325.67	-70.61	0.0028
CII - Hydrobromofluorocarbons (HBFCs)	-28.5	0.0	-	-29.1	0.0	-	0.0000
CIII - Bromochloromethane	-3.6	0.0	-	-3.6	0.0	-	0.0000
EI - Methyl Bromide	540.4	40,407.4	-98.66	601.4	42,634.6	-98.59	0.0001
Sub-Total	23,290.03	1,933,552.20	-98.80	17,346.56	1,745,725.17	-99.01	
Article 5 Parties 141 - Population*: 6,028,042							
AI - Chlorofluorocarbons (CFCs)	-16.0	108,540.6	-100	-16.0	162,614.3	-100	0.0000
BII - Carbon Tetrachloride	219.7	57,532.2	-99.62	219.8	65,448.3	-99.66	0.0000
CI - Hydrochlorofluorocarbons (HCFCs)	24,717.09	32,988.90	-25.07	19,472.73	33,958.47	-42.66	0.0032
EI - Methyl Bromide	59.8	806.3	-92.58	261.5	9,299.9	-97.19	0.0000
Sub-Total	24,980.59	199,868.00	-87.50	19,938.03	271,320.97	-92.65	
Non-Article 5 Parties 46 - Population*: 1,275,214							
AI - Chlorofluorocarbons (CFCs)	-1,369.7	1,016,228.0	-100	-1,371.9	885,591.1	-100	-0.0011
All - Halons	-311.8	186,168.0	-100	-311.8	162,404.3	-100	-0.0002
BI - Other Fully Halogenated CFCs	-17.7	3,318.0	-100	-17.6	3,277.1	-100	0.0000
BII - Carbon Tetrachloride	-1,349.4	332,638.5	-100	-2,067.9	247,225.6	-100	-0.0016
BIII - Methyl Chloroform	-29.6	69,517.7	-100	-29.6	59,871.7	-100	0.0000
CI - Hydrochlorofluorocarbons (HCFCs)	939.14	41,073.50	-97.71	900.13	35,367.20	-97.46	0.0007
CII - Hydrobromofluorocarbons (HBFCs)	-28.5		-100	-29.1		-100	0.0000
CIII - Bromochloromethane	-3.6		-100	-3.6		-100	0.0000
EI - Methyl Bromide	480.6	39,601.1	-98.79	339.9	33,334.7	-98.98	0.0003
Sub-Total	-1,690.56	1,688,544.80	-100.00	-2,591.47	1,427,071.70	-100.18	

* Population in thousands

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** Consumption and Production numbers are rounded to a uniform number of decimal places.

Display of zero consumption or production has been suppressed for annex groups that have been phased out (namely annex A, groups I and II, annex B groups I, II and III, annex C groups II and III and E) to make it easier to view non-zero consumption.

- = Data Not Reported and Party has no Obligation to have Reported that data at this time.

N.R. = Data Not Reported but Party is required to have reported | DIV0 = Division was not evaluated due to a zero or negative base.

AFR = Africa | ASIA = Asia | EEU = Eastern Europe | LAC = Latin America & the Caribbean | WEUR = Western Europe & others

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**Annex IVb - Production and Consumption of ODSs - Comparison of 2016 with
Baseline: Non-Article 5 Parties (ODP Tonnes)**

Key

- AI - Annex A, Group I (CFCs). Base for Article 5 parties is the average of 1995, 1996 and 1997. Base for non-Article 5 Parties is 1986.
 All - Annex A, Group II (Halons). Base for Article 5 parties is the average of 1995, 1996 and 1997. Base for non-Article 5 Parties is 1986.
 BI - Annex B, Group I (Other Halogenated CFCs). Base for Article 5 parties = average of 1998, 1999 and 2000. Base for non-Article 5 Parties is 1989.
 BII - Annex B, Group II (Carbon Tetrachloride). Base for Article 5 parties is the average of 1998, 1999 and 2000. Base for non-Article 5 Parties is 1989.
 BIII - Annex B, Group III (Methyl Chloroform). Base for Article 5 parties is the average of 1998, 1999 and 2000. Base for non-Article 5 Parties is 1989.
 CI - Annex C, Group I (HCFCs). Base for Article 5 parties is the average of 2009 and 2010. Base consumption for non-Article 5 Parties is 1989 consumption of HCFCs plus 2.8% of 1989 consumption of CFCs. Base production for non-Article 5 Parties is Average of 1989 HCFC production + 2.8% of 1989 CFC production and 1989 HCFC consumption + 2.8% of 1989 CFC consumption.
 CII - Annex C, Group II (HBFCs). Phase-out requirement was in 1996.
 CIII - Annex C, Group III (Bromochloromethane). Phase-out requirement was in 2002.
 EI - Annex E, Group I (Methyl Bromide). Base for Article 5 parties is the average of 1995, 1996, 1997 and 1998. Base for non-Article 5 Parties is 1991.

	PRODUCTION**			CONSUMPTION**			Per Cap. Cons.
	2016	Base	% Chng	2016	Base	% Chng	
Andorra - Date Reported: 27-Jun-2017 Non-A5 WEUR - Population*: 69							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	3.50	-100	0.00	6.90	-100	0.0000
Australia - Date Reported: 17-May-2017 Non-A5 WEUR - Population*: 24,309							
AI - Chlorofluorocarbons (CFCs)	-7.2	15,385.4	-100	-7.2	14,290.4	-100	-0.0003
CI - Hydrochlorofluorocarbons (HCFCs)	-1.91	587.10	-100	0.58	548.70	-99.89	0.0000
EI - Methyl Bromide	0.0	0.0	-100	17.9	422.4	-95.76	0.0007
Sub-Total	-9.11	15,972.50	-100.00	11.28	15,261.50	-99.93	
Austria - Date Reported: 23-Jun-2017 Non-A5 WEUR EU Member - Population*: 8,570							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	91.20	-100				
Azerbaijan - Date Reported: 9-Oct-2017 Non-A5 EEUR CEIT - Population*: 9,868							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	7.40	-100	0.48	14.90	-96.78	0.0000
Belarus - Date Reported: 30-Jun-2017 Non-A5 EEUR CEIT - Population*: 9,482							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	25.00	-100	3.45	50.00	-93.10	0.0004
Belgium - Date Reported: 5-Jan-2017 Non-A5 WEUR EU Member - Population*: 11,372							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100				
Bulgaria - Date Reported: 5-Jul-2017 Non-A5 EEUR CEIT EU Member - Population*: 7,098							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	40.90	-100				
Canada - Date Reported: 12-Jun-2017 Non-A5 WEUR - Population*: 36,286							
BII - Carbon Tetrachloride	0.0	29,309.5	-100	0.2	6,167.7	-100.00	0.0000
CI - Hydrochlorofluorocarbons (HCFCs)	39.73	819.60	-95.15	8.58	892.30	-99.04	0.0002
EI - Methyl Bromide	0.0	0.0	-100	2.6	120.1	-97.84	0.0001
Sub-Total	39.73	30,129.10	-99.87	11.38	7,180.10	-99.84	
Croatia - Date Reported: 29-Jun-2017 Non-A5 EEUR EU Member - Population*: 4,225							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	7.30	-100				
Cyprus - Date Reported: 29-Jun-2017 Non-A5 ASIA EU Member - Population*: 1,177							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	4.30	-100				
Czech Republic - Date Reported: 29-Jun-2017 Non-A5 EEUR CEIT EU Member - Population*: 10,548							
AI - Chlorofluorocarbons (CFCs)	-20.6	1,977.6	-100				
BII - Carbon Tetrachloride	-78.0	5,285.5	-100				
CI - Hydrochlorofluorocarbons (HCFCs)	-0.27	107.60	-100				
Sub-Total	-98.87	7,370.70	-100.00				
Denmark - Date Reported: 23-Jun-2017 Non-A5 WEUR EU Member - Population*: 5,691							
AI - Chlorofluorocarbons (CFCs)	-88.3	0.0	-100				
CI - Hydrochlorofluorocarbons (HCFCs)	-0.14	68.90	-100				
Sub-Total	-88.44	68.90	-100.00				
Estonia - Date Reported: 29-Jun-2017 Non-A5 EEUR CEIT EU Member - Population*: 1,309							
AI - Chlorofluorocarbons (CFCs)	-0.4	0.0	-100				
CI - Hydrochlorofluorocarbons (HCFCs)	-0.38	2.80	-100				
Sub-Total	-0.78	2.80	-100.00				
European Union - Date Reported: 29-Jun-2017 Non-A5 WEUR - Population*: 503,198							
AI - Chlorofluorocarbons (CFCs)				-1,022.9	301,930.2	-100	-0.0020
All - Halons				-304.4	40,993.0	-100	-0.0006
BI - Other Fully Halogenated CFCs				-14.8	58.0	-100	0.0000
BII - Carbon Tetrachloride				-1,694.3	50,406.4	-100	-0.0034
CI - Hydrochlorofluorocarbons (HCFCs)				-36.94	8,228.10	-100	-0.0001
CII - Hydrobromofluorocarbons (HBFCs)				-29.8		-100	-0.0001
EI - Methyl Bromide				-4.2	11,530.0	-100	0.0000
Sub-Total				-3,107.34	413,145.70	-100.75	
Finland - Date Reported: 29-Jun-2017 Non-A5 WEUR EU Member - Population*: 5,524							
CI - Hydrochlorofluorocarbons (HCFCs)	-2.46	36.50	-100				

* Population in thousands

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** Consumption and Production numbers are rounded to a uniform number of decimal places.

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**Annex IVb - Production and Consumption of ODSs - Comparison of 2016 with
Baseline: Non-Article 5 Parties (ODP Tonnes)**

	<u>PRODUCTION**</u>			<u>CONSUMPTION**</u>			Per Cap. Cons.
	2016	Base	% Chng	2016	Base	% Chng	
France - Date Reported: 23-Jun-2017 Non-A5 WEUR EU Member - Population*: 64,668							
Al - Chlorofluorocarbons (CFCs)	-273.1	71,018.4	-100				
All - Halons	-274.7	34,465.0	-100				
Bl - Other Fully Halogenated CFCs	-0.3	0.0	-100				
Bll - Carbon Tetrachloride	-212.7	5,119.4	-100				
Cl - Hydrochlorofluorocarbons (HCFCs)	74.28	2,337.40	-96.82				
Sub-Total	-686.52	112,940.20	-100.00				
Germany - Date Reported: 29-Jun-2017 Non-A5 WEUR EU Member - Population*: 80,682							
Al - Chlorofluorocarbons (CFCs)	-345.9	123,652.8	-100				
All - Halons	-0.2	18,134.0	-100				
Bl - Other Fully Halogenated CFCs	-14.6	61.0	-100				
Bll - Carbon Tetrachloride	-433.6	8,067.4	-100				
Cl - Hydrochlorofluorocarbons (HCFCs)	-9.55	3,425.60	-100				
Cll - Hydrobromofluorocarbons (HBFCs)	-6.0		-100				
Sub-Total	-809.85	153,340.80	-100.00				
Greece - Date Reported: 17-Jul-2017 Non-A5 WEUR EU Member - Population*: 10,919							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	235.30	-100				
Hungary - Date Reported: 29-Jun-2017 Non-A5 EEUR CEIT EU Member - Population*: 9,821							
Al - Chlorofluorocarbons (CFCs)	-3.2	0.0	-100				
Cl - Hydrochlorofluorocarbons (HCFCs)	-0.24	67.90	-100				
Sub-Total	-3.44	67.90	-100.00				
Iceland - Date Reported: 2-Oct-2017 Non-A5 WEUR - Population*: 332							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	4.30	-100	0.00	8.70	-100	0.0000
Ireland - Date Reported: 23-Jun-2017 Non-A5 WEUR EU Member - Population*: 4,714							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100				
Israel - Date Reported: 6-Jul-2017 Non-A5 WEUR - Population*: 8,192							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	164.50	-100	30.90	329.00	-90.61	0.0038
Cll - Bromochloromethane	-3.6		-100	-3.6		-100	-0.0004
EI - Methyl Bromide	263.2	16,800.0	-98.43	244.2	2,148.0	-88.63	0.0298
Sub-Total	259.60	16,964.50	-98.47	271.50	2,477.00	-89.04	
Italy - Date Reported: 3-Jul-2017 Non-A5 WEUR EU Member - Population*: 59,801							
Al - Chlorofluorocarbons (CFCs)	-62.8	56,656.4	-100				
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	1,704.10	-100				
Sub-Total	-62.80	58,360.50	-100.00				
Japan - Date Reported: 7-Sep-2017 Non-A5 ASIA - Population*: 126,324							
Al - Chlorofluorocarbons (CFCs)	-140.5	119,997.8	-100	-140.5	118,134.0	-100	-0.0011
Bl - Other Fully Halogenated CFCs	-0.8	2,342.0	-100	-0.8	2,331.0	-100	0.0000
Bll - Carbon Tetrachloride	18.5	19,602.0	-99.91	18.5	74,879.2	-99.98	0.0001
Cl - Hydrochlorofluorocarbons (HCFCs)	38.97	5,645.40	-99.31	72.81	5,554.90	-98.69	0.0006
Sub-Total	-83.83	147,587.20	-100.00	-49.99	200,899.10	-100.02	
Kazakhstan - Date Reported: 18-Sep-2017 Non-A5 ASIA CEIT - Population*: 17,855							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	19.80	-100	4.96	39.50	-87.44	0.0003
Liechtenstein - Date Reported: 5-Jul-2017 Non-A5 WEUR - Population*: 38							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.30	-100	0.00	0.70	-100	0.0000
Lithuania - Date Reported: 29-Jun-2017 Non-A5 EEUR CEIT EU Member - Population*: 2,850							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	77.80	-100				
Luxembourg - Date Reported: 22-Jun-2017 Non-A5 WEUR EU Member - Population*: 576							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100				
Monaco - Date Reported: 23-Jun-2017 Non-A5 WEUR - Population*: 38							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	1.20	-100	0.00	2.40	-100	0.0000
Netherlands - Date Reported: 27-Jun-2017 Non-A5 WEUR EU Member - Population*: 16,980							
Bll - Carbon Tetrachloride	-1.4	0.0	-100				
Cl - Hydrochlorofluorocarbons (HCFCs)	94.03	1,568.70	-94.01				
Sub-Total	92.63	1,568.70	-94.10				
New Zealand - Date Reported: 27-Sep-2017 Non-A5 WEUR - Population*: 4,565							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	28.00	-100	0.00	56.10	-100	0.0000
EI - Methyl Bromide	0.0	0.0	-100	-6.1	81.0	-100	-0.0013
Sub-Total	0.00	28.00	-100.00	-6.10	137.10	-104.45	
Norway - Date Reported: 30-Jun-2017 Non-A5 WEUR - Population*: 5,272							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	38.00	-100	0.00	76.00	-100	0.0000
Poland - Date Reported: 29-Jun-2017 Non-A5 EEUR CEIT EU Member - Population*: 38,593							
Al - Chlorofluorocarbons (CFCs)	-27.3	0.0	-100				
Cl - Hydrochlorofluorocarbons (HCFCs)	-1.27	97.30	-100				
Sub-Total	-28.57	97.30	-100.00				

* Population in thousands

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Annex IVb - Production and Consumption of ODSs - Comparison of 2016 with**Baseline: Non-Article 5 Parties (ODP Tonnes)**

	<u>PRODUCTION**</u>			<u>CONSUMPTION**</u>			Per Cap. Cons.
	2016	Base	% Chng	2016	Base	% Chng	
Portugal - Date Reported: 29-Jun-2017 <i>Non-A5 WEUR EU Member - Population*: 10,304</i>							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100				
Romania - Date Reported: 5-Oct-2017 <i>Non-A5 EEUR EU Member - Population*: 19,373</i>							
Al - Chlorofluorocarbons (CFCs)	-12.2	0.0	-100				
BII - Carbon Tetrachloride	-0.5	11,878.5	-100				
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00		-100				
Sub-Total	-12.70	11,878.50	-100.00				
Russian Federation - Date Reported: 4-Oct-2017 <i>Non-A5 EEUR CEIT - Population*: 143,440</i>							
BII - Carbon Tetrachloride	-253.0	103,290.0	-100	-253.0	103,290.0	-100	-0.0018
Cl - Hydrochlorofluorocarbons (HCFCs)	116.15	4,066.10	-97.14	312.09	3,996.90	-92.19	0.0022
Sub-Total	-136.85	107,356.10	-100.00	59.09	107,286.90	-99.94	
San Marino - Date Reported: 4-Jul-2017 <i>Non-A5 WEUR - Population*: 32</i>							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.20	-100	0.00	0.40	-100	0.0000
Slovakia - Date Reported: 23-Jun-2017 <i>Non-A5 EEUR CEIT EU Member - Population*: 5,429</i>							
Cl - Hydrochlorofluorocarbons (HCFCs)	-0.09	29.10	-100				
Slovenia - Date Reported: 22-Jun-2017 <i>Non-A5 EEUR CEIT EU Member - Population*: 2,069</i>							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	34.00	-100				
Spain - Date Reported: 29-Jun-2017 <i>Non-A5 WEUR EU Member - Population*: 46,065</i>							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	1,345.60	-100				
Sweden - Date Reported: 29-Jun-2017 <i>Non-A5 WEUR EU Member - Population*: 9,852</i>							
Al - Chlorofluorocarbons (CFCs)	-82.6	0.0	-100				
All - Halons	-29.5	0.0	-100				
Cl - Hydrochlorofluorocarbons (HCFCs)	-0.28	78.60	-100				
Sub-Total	-112.38	78.60	-100.00				
Switzerland - Date Reported: 3-Jul-2017 <i>Non-A5 WEUR - Population*: 8,379</i>							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	65.30	-100	0.00	130.50	-100	0.0000
EI - Methyl Bromide	0.0	0.0	-100	-0.1	25.8	-100	0.0000
Sub-Total	0.00	65.30	-100.00	-0.10	156.30	-100.06	
Tajikistan - Date Reported: 19-Sep-2017 <i>Non-A5 ASIA CEIT - Population*: 8,669</i>							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	9.40	-100	1.50	18.70	-91.98	0.0002
Ukraine - Date Reported: 22-Sep-2017 <i>Non-A5 EEUR CEIT - Population*: 44,624</i>							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	82.10	-100	16.11	164.20	-90.19	0.0004
United Kingdom of Great Britain and Northern Ireland - Date Reported: 28-Jul-2017 <i>Non-A5 WEUR EU Member - Population*: 65,111</i>							
Al - Chlorofluorocarbons (CFCs)	-107.4	102,014.4	-100				
BII - Carbon Tetrachloride	-249.4	14,094.3	-100				
Cl - Hydrochlorofluorocarbons (HCFCs)	-5.65	2,755.80	-100				
CII - Hydrobromofluorocarbons (HBFCs)	-23.2		-100				
Sub-Total	-385.65	118,864.50	-100.00				
United States of America - Date Reported: 19-Sep-2017 <i>Non-A5 WEUR - Population*: 324,119</i>							
Al - Chlorofluorocarbons (CFCs)	-198.2	311,021.2	-100	-201.3	305,963.6	-100	-0.0006
All - Halons	-7.4	58,756.0	-100	-7.4	57,803.0	-100	0.0000
BI - Other Fully Halogenated CFCs	-2.0	577.0	-100	-2.0	571.0	-100	0.0000
BIII - Carbon Tetrachloride	-139.3	56,036.2	-100	-139.3	11,924.0	-100	-0.0004
BIII - Methyl Chloroform	-29.6	31,517.0	-100	-29.6	25,597.3	-100	-0.0001
Cl - Hydrochlorofluorocarbons (HCFCs)	598.22	15,389.60	-96.11	485.61	15,248.30	-96.82	0.0015
CII - Hydrobromofluorocarbons (HBFCs)	0.7		-	0.7		-	0.0000
EI - Methyl Bromide	217.4	16,908.0	-98.71	85.6	15,317.4	-99.44	0.0003
Sub-Total	439.82	490,205.00	-99.91	192.31	432,424.60	-99.96	
TOTAL	-1,690.56	1,275,040.30		-2,591.47	1,179,350.70		

* Population in thousands

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Annex IVc - Production and Consumption of ODSs - Comparison of 2016 with**Baseline: Article 5 Parties (ODP Tonnes)****Key**

- AI - Annex A, Group I (CFCs). Base for Article 5 parties is the average of 1995, 1996 and 1997. Base for non-Article 5 Parties is 1986.
 All - Annex A, Group II (Halons). Base for Article 5 parties is the average of 1995, 1996 and 1997. Base for non-Article 5 Parties is 1986.
 BI - Annex B, Group I (Other Halogenated CFCs). Base for Article 5 parties = average of 1998, 1999 and 2000. Base for non-Article 5 Parties is 1989.
 BII - Annex B, Group II (Carbon Tetrachloride). Base for Article 5 parties is the average of 1998, 1999 and 2000. Base for non-Article 5 Parties is 1989.
 BIII - Annex B, Group III (Methyl Chloroform). Base for Article 5 parties is the average of 1998, 1999 and 2000. Base for non-Article 5 Parties is 1989.
 CI - Annex C, Group I (HCFCs). Base for Article 5 parties is the average of 2009 and 2010. Base consumption for non-Article 5 Parties is 1989 consumption of HCFCs plus 2.8% of 1989 consumption of CFCs. Base production for non-Article 5 Parties is Average of 1989 HCFC production + 2.8% of 1989 CFC production and 1989 HCFC consumption + 2.8% of 1989 CFC consumption.
 CII - Annex C, Group II (HBFCs). Phase-out requirement was in 1996.
 CIII - Annex C, Group III (Bromochloromethane). Phase-out requirement was in 2002.
 EI - Annex E, Group I (Methyl Bromide). Base for Article 5 parties is the average of 1995, 1996, 1997 and 1998. Base for non-Article 5 Parties is 1991.

	PRODUCTION**			CONSUMPTION**			Per Cap. Cons.
	2016	Base	% Chng	2016	Base	% Chng	
Afghanistan - Date Reported: 3-Jul-2017 A5 ASIA - Population*: 33,370							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	20.02	23.60	-15.17	0.0006
Albania - Date Reported: 30-Aug-2017 A5 EEUR - Population*: 2,904							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	3.74	6.00	-37.67	0.0013
Algeria - Date Reported: 25-Sep-2017 A5 AFR - Population*: 40,376							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	24.16	62.12	-61.11	0.0006
Angola - Date Reported: 7-Apr-2017 A5 AFR - Population*: 25,831							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	11.55	16.00	-27.81	0.0004
Antigua and Barbuda - Date Reported: 16-Jul-2017 A5 LAC - Population*: 93							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.01	0.30	-96.67	0.0001
Argentina - Date Reported: 29-Jun-2017 A5 LAC - Population*: 43,847							
CI - Hydrochlorofluorocarbons (HCFCs)	95.84	224.60	-57.33	228.24	400.70	-43.04	0.0052
EI - Methyl Bromide	0.0	0.0	-100	77.5	411.3	-81.16	0.0018
Sub-Total	95.84	224.60	-57.33	305.74	812.00	-62.35	
Armenia - Date Reported: 23-May-2017 A5 EEUR - Population*: 3,026							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.63	7.00	-91.00	0.0002
Bahamas - Date Reported: 19-Sep-2017 A5 LAC - Population*: 393							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	3.74	4.80	-22.08	0.0095
Bahrain - Date Reported: 30-Apr-2017 A5 ASIA - Population*: 1,397							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	45.77	51.90	-11.81	0.0328
Bangladesh - Date Reported: 6-Jul-2017 A5 ASIA - Population*: 162,911							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	63.90	72.60	-11.98	0.0004
Barbados - Date Reported: 28-Feb-2017 A5 LAC - Population*: 285							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	2.25	3.70	-39.19	0.0079
Belize - Date Reported: 23-Jun-2017 A5 LAC - Population*: 367							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	2.15	2.80	-23.21	0.0059
Benin - Date Reported: 30-Mar-2017 A5 AFR - Population*: 11,167							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	17.09	23.80	-28.19	0.0015
Bhutan - Date Reported: 4-May-2017 A5 ASIA - Population*: 784							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.14	0.30	-53.33	0.0002
Bolivia (Plurinational State of) - Date Reported: 11-Jul-2017 A5 LAC - Population*: 10,888							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	3.47	6.10	-43.11	0.0003
Bosnia and Herzegovina - Date Reported: 28-Apr-2017 A5 EEUR - Population*: 3,802							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	2.34	4.70	-50.21	0.0006
Brazil - Date Reported: 1-Jun-2017 A5 LAC - Population*: 209,568							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	875.29	1,327.30	-34.05	0.0042
Brunei Darussalam - Date Reported: 24-Jun-2017 A5 ASIA - Population*: 429							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	3.75	6.10	-38.52	0.0087
Burkina Faso - Date Reported: 19-Apr-2017 A5 AFR - Population*: 18,634							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	14.41	28.90	-50.14	0.0008
Burundi - Date Reported: 3-May-2017 A5 AFR - Population*: 11,553							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	5.24	7.20	-27.22	0.0005
Cabo Verde - Date Reported: 2-May-2017 A5 AFR - Population*: 527							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.13	1.10	-88.18	0.0002
Cambodia - Date Reported: 23-Jun-2017 A5 ASIA - Population*: 15,827							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	4.52	15.00	-69.87	0.0003
Cameroon - Date Reported: 17-May-2017 A5 AFR - Population*: 23,924							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	65.84	88.80	-25.86	0.0028
Central African Republic - Date Reported: 12-Sep-2017 A5 AFR - Population*: 4,998							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	9.90	12.00	-17.50	0.0020
Chad - Date Reported: 17-Feb-2017 A5 AFR - Population*: 14,497							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	14.06	16.10	-12.67	0.0010

* Population in thousands

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Annex IVc - Production and Consumption of ODSs - Comparison of 2016 with

Baseline: Article 5 Parties (ODP Tonnes)

	PRODUCTION**			CONSUMPTION**			Per Cap. Cons.
	2016	Base	% Chng	2016	Base	% Chng	
Chile - Date Reported: 27-Feb-2017 A5 LAC - Population*: 18,132							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	63.33	87.50	-27.62	0.0035
China - Date Reported: 12-Oct-2017 A5 ASIA - Population*: 1,382,323							
Al - Chlorofluorocarbons (CFCs)	-3.5	47,003.9	-100	-3.5	57,818.7	-100	0.0000
Bll - Carbon Tetrachloride	220.0	32,479.7	-99.32	220.0	49,142.1	-99.55	0.0002
Cl - Hydrochlorofluorocarbons (HCFCs)	22,509.86	29,122.00	-22.71	10,236.28	19,269.00	-46.88	0.0074
EI - Methyl Bromide	59.8	776.3	-92.30	59.8	1,102.1	-94.57	0.0000
Sub-Total	22,786.16	109,381.90	-79.17	10,512.58	127,331.90	-91.74	
Colombia - Date Reported: 15-May-2017 A5 LAC - Population*: 48,654							
Al - Chlorofluorocarbons (CFCs)	-0.4	0.0	-100	-0.4	2,208.2	-100	0.0000
Cl - Hydrochlorofluorocarbons (HCFCs)	-0.05	0.00	-100	136.55	225.60	-39.47	0.0028
Sub-Total	-0.45	0.00	-100.00	136.15	2,433.80	-94.41	
Comoros - Date Reported: 24-Feb-2017 A5 AFR - Population*: 807							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.09	0.10	-10.00	0.0001
Congo - Date Reported: 1-Jun-2017 A5 AFR - Population*: 4,741							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	7.93	10.14	-21.79	0.0017
Cook Islands - Date Reported: 5-Sep-2017 A5 ASIA - Population*: 21							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.00	0.10	-100	0.0000
Costa Rica - Date Reported: 29-May-2017 A5 LAC - Population*: 4,857							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	10.89	14.10	-22.77	0.0022
Côte d'Ivoire - Date Reported: 17-Aug-2017 A5 AFR - Population*: 23,254							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	49.08	63.80	-23.07	0.0021
Cuba - Date Reported: 24-Jul-2017 A5 LAC - Population*: 11,393							
Al - Chlorofluorocarbons (CFCs)	-0.5	0.0	-100	-0.5	625.1	-100	0.0000
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	12.60	16.90	-25.44	0.0011
Sub-Total	-0.50	0.00	-100.00	12.10	642.00	-98.12	
Democratic People's Republic of Korea - Date Reported: 23-Jun-2017 A5 ASIA - Population*: 25,281							
Cl - Hydrochlorofluorocarbons (HCFCs)	24.81	27.60	-10.11	69.91	78.00	-10.37	0.0028
Democratic Republic of the Congo - Date Reported: 30-Jun-2017 A5 AFR - Population*: 79,723							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	9.35	66.21	-85.88	0.0001
Dominican Republic - Date Reported: 9-Mar-2017 A5 LAC - Population*: 10,649							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	42.23	51.20	-17.52	0.0040
Ecuador - Date Reported: 3-Mar-2017 A5 LAC - Population*: 16,385							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	18.26	23.49	-22.26	0.0011
Egypt - Date Reported: 6-Apr-2017 A5 AFR - Population*: 93,384							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	346.53	386.30	-10.30	0.0037
El Salvador - Date Reported: 30-Apr-2017 A5 LAC - Population*: 6,146							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	6.41	11.70	-45.21	0.0010
Equatorial Guinea - Date Reported: 30-May-2017 A5 AFR - Population*: 870							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	4.84	6.31	-23.30	0.0056
Eritrea - Date Reported: 3-Jul-2017 A5 AFR - Population*: 5,352							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.94	1.09	-13.76	0.0002
Ethiopia - Date Reported: 27-Jun-2017 A5 AFR - Population*: 101,853							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	4.59	5.50	-16.55	0.0000
Fiji - Date Reported: 1-Sep-2017 A5 ASIA - Population*: 898							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	4.10	8.40	-51.19	0.0046
Gabon - Date Reported: 7-Apr-2017 A5 AFR - Population*: 1,763							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	20.90	30.20	-30.79	0.0119
Gambia - Date Reported: 22-Jun-2017 A5 AFR - Population*: 2,055							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.50	1.50	-66.67	0.0002
Georgia - Date Reported: 26-Apr-2017 A5 EEUR - Population*: 3,980							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	1.39	5.30	-73.77	0.0003
Ghana - Date Reported: 29-Sep-2017 A5 AFR - Population*: 28,033							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	18.54	57.30	-67.64	0.0007
Grenada - Date Reported: 22-Jun-2017 A5 LAC - Population*: 107							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.20	0.80	-75.00	0.0019
Guatemala - Date Reported: 27-Apr-2017 A5 LAC - Population*: 16,673							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	5.60	8.30	-32.53	0.0003
Guinea - Date Reported: 7-Jul-2017 A5 AFR - Population*: 12,947							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	4.70	22.60	-79.20	0.0004
Guinea Bissau - Date Reported: 3-May-2017 A5 AFR - Population*: 1,888							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	2.31	2.83	-18.37	0.0012
Guyana - Date Reported: 26-Apr-2017 A5 LAC - Population*: 771							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	1.58	1.80	-12.22	0.0020

* Population in thousands

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**Annex IVc - Production and Consumption of ODSs - Comparison of 2016 with
Baseline: Article 5 Parties (ODP Tonnes)**

	PRODUCTION**			CONSUMPTION**			Per Cap. Cons.
	2016	Base	% Chng	2016	Base	% Chng	
Haiti - Date Reported: 27-Jun-2017 A5 LAC - Population*: 10,848							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	2.99	3.63	-17.63	0.0003
Honduras - Date Reported: 21-Sep-2017 A5 LAC - Population*: 8,190							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	13.44	19.90	-32.46	0.0016
India - Date Reported: 28-Sep-2017 A5 ASIA - Population*: 1,326,802							
Bll - Carbon Tetrachloride	-0.3	11,552.9	-100	-0.3	11,505.3	-100	0.0000
Cl - Hydrochlorofluorocarbons (HCFCs)	1,665.49	2,399.50	-30.59	1,014.48	1,608.20	-36.92	0.0008
Sub-Total	1,665.19	13,952.40	-88.07	1,014.18	13,113.50	-92.27	
Indonesia - Date Reported: 22-Jun-2017 A5 ASIA - Population*: 260,581							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	244.66	403.90	-39.43	0.0009
Iran (Islamic Republic of) - Date Reported: 28-Jun-2017 A5 ASIA - Population*: 80,043							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	272.98	380.50	-28.26	0.0034
Iraq - Date Reported: 14-Mar-2017 A5 ASIA - Population*: 37,548							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	93.23	108.40	-13.99	0.0025
Jamaica - Date Reported: 30-Sep-2017 A5 LAC - Population*: 2,803							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	3.56	16.30	-78.16	0.0013
El - Methyl Bromide	0.0	0.0	-100	0.2	4.9	-95.92	0.0001
Sub-Total	0.00	0.00	-100.00	3.76	21.20	-82.26	
Jordan - Date Reported: 5-Sep-2017 A5 ASIA - Population*: 7,748							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	42.13	83.00	-49.24	0.0054
Kenya - Date Reported: 21-Aug-2017 A5 AFR - Population*: 47,251							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	15.07	52.20	-71.13	0.0003
Kiribati - Date Reported: 30-Jun-2017 A5 ASIA - Population*: 114							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.02	0.10	-80.00	0.0002
Kyrgyzstan - Date Reported: 23-Jun-2017 A5 ASIA - Population*: 6,034							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	1.73	4.10	-57.80	0.0003
Lao People's Democratic Republic - Date Reported: 27-Jun-2017 A5 ASIA - Population*: 6,918							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	2.03	2.30	-11.74	0.0003
Lebanon - Date Reported: 11-May-2017 A5 ASIA - Population*: 5,988							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	58.86	73.50	-19.92	0.0098
Lesotho - Date Reported: 5-Apr-2017 A5 AFR - Population*: 2,160							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.71	3.50	-79.71	0.0003
Liberia - Date Reported: 18-Apr-2017 A5 AFR - Population*: 4,615							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	2.84	5.30	-46.42	0.0006
Libya - Date Reported: 23-Jun-2017 A5 AFR - Population*: 6,330							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	118.36	118.38	-0.02	0.0187
Madagascar - Date Reported: 29-Jun-2017 A5 AFR - Population*: 24,916							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	11.83	24.90	-52.49	0.0005
Malawi - Date Reported: 30-Mar-2017 A5 AFR - Population*: 17,750							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	8.23	10.80	-23.80	0.0005
Malaysia - Date Reported: 21-Jun-2017 A5 ASIA - Population*: 30,752							
Cl - Hydrochlorofluorocarbons (HCFCs)	-0.27	0.00	-100	318.62	515.80	-38.23	0.0104
Maldives - Date Reported: 29-Mar-2017 A5 ASIA - Population*: 370							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	2.40	4.60	-47.83	0.0065
Mali - Date Reported: 31-May-2017 A5 AFR - Population*: 18,135							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	9.63	15.00	-35.80	0.0005
Marshall Islands - Date Reported: 31-Aug-2017 A5 ASIA - Population*: 53							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.00	0.20	-100	0.0000
Mauritania - Date Reported: 10-May-2017 A5 AFR - Population*: 4,166							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	18.15	20.50	-11.46	0.0044
Mauritius - Date Reported: 28-Apr-2017 A5 AFR - Population*: 1,277							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	6.04	8.00	-24.50	0.0047
Mexico - Date Reported: 11-Apr-2017 A5 LAC - Population*: 128,632							
Al - Chlorofluorocarbons (CFCs)	-11.6	11,042.3	-100	-11.6	4,624.9	-100	-0.0001
Bll - Carbon Tetrachloride	0.0	0.0	-100	0.1	62.5	-99.84	0.0000
Cl - Hydrochlorofluorocarbons (HCFCs)	166.82	697.00	-76.07	519.66	1,148.80	-54.77	0.0040
El - Methyl Bromide	0.0	0.0	-100	49.4	1,130.8	-95.63	0.0004
Sub-Total	155.22	11,739.30	-98.68	557.56	6,967.00	-92.00	
Micronesia (Federated States of) - Date Reported: 16-May-2017 A5 ASIA - Population*: 105							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.04	0.20	-80.00	0.0004
Mongolia - Date Reported: 3-May-2017 A5 ASIA - Population*: 3,006							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.45	1.40	-67.86	0.0001
Montenegro - Date Reported: 26-May-2017 A5 EEUR - Population*: 626							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.62	0.80	-22.50	0.0010

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**Annex IVc - Production and Consumption of ODSs - Comparison of 2016 with
Baseline: Article 5 Parties (ODP Tonnes)**

	PRODUCTION**			CONSUMPTION**			Per Cap. Cons.
	2016	Base	% Chng	2016	Base	% Chng	
Morocco - Date Reported: 23-Jun-2017 A5 AFR - Population*: 34,817							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	26.88	51.35	-47.65	0.0008
Mozambique - Date Reported: 30-Jun-2017 A5 AFR - Population*: 28,751							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	7.04	8.69	-18.99	0.0002
Myanmar - Date Reported: 22-Jun-2017 A5 ASIA - Population*: 54,363							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	3.34	4.30	-22.33	0.0001
Namibia - Date Reported: 15-Mar-2017 A5 AFR - Population*: 2,514							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	3.76	8.40	-55.24	0.0015
Nauru - Date Reported: 4-Jul-2017 A5 ASIA - Population*: 10							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.01	0.00	DIV0	0.0010
Nepal - Date Reported: 8-Jun-2017 A5 ASIA - Population*: 28,851							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.80	1.10	-27.27	0.0000
Nicaragua - Date Reported: 14-Sep-2017 A5 LAC - Population*: 6,150							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	4.89	6.80	-28.09	0.0008
Niger - Date Reported: 1-Aug-2017 A5 AFR - Population*: 20,715							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	12.13	15.98	-24.09	0.0006
Nigeria - Date Reported: 25-Sep-2017 A5 AFR - Population*: 186,988							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	234.74	344.88	-31.94	0.0013
Niue - Date Reported: 26-May-2017 A5 ASIA - Population*: 2							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.00	0.00	-100	0.0000
Oman - Date Reported: 9-Oct-2017 A5 ASIA - Population*: 4,654							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	20.11	31.50	-36.16	0.0043
Pakistan - Date Reported: 25-Apr-2017 A5 ASIA - Population*: 192,827							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	216.00	247.40	-12.69	0.0011
Palau - Date Reported: 23-Jun-2017 A5 ASIA - Population*: 22							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.12	0.20	-40.00	0.0055
Panama - Date Reported: 5-May-2017 A5 LAC - Population*: 3,990							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	18.35	24.80	-26.01	0.0046
Papua New Guinea - Date Reported: 21-Jun-2017 A5 ASIA - Population*: 7,776							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	2.15	3.30	-34.85	0.0003
Paraguay - Date Reported: 28-Feb-2017 A5 LAC - Population*: 6,725							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	12.95	18.00	-28.06	0.0019
Peru - Date Reported: 25-Apr-2017 A5 LAC - Population*: 31,774							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	22.21	26.88	-17.37	0.0007
Philippines - Date Reported: 29-Jun-2017 A5 ASIA - Population*: 102,250							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	114.85	208.40	-44.89	0.0011
Qatar - Date Reported: 11-May-2017 A5 ASIA - Population*: 2,291							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	65.40	86.90	-24.74	0.0285
Republic of Korea - Date Reported: 28-Jun-2017 A5 ASIA - Population*: 50,504							
Cl - Hydrochlorofluorocarbons (HCFCs)	240.31	395.10	-39.18	1,528.42	1,908.00	-19.89	0.0303
Republic of Moldova - Date Reported: 28-Jun-2017 A5 EEUR - Population*: 4,063							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.00	1.00	-100	0.0000
Rwanda - Date Reported: 6-Jul-2017 A5 AFR - Population*: 11,883							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	2.76	4.10	-32.68	0.0002
Saint Kitts and Nevis - Date Reported: 23-Sep-2017 A5 LAC - Population*: 56							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.26	0.50	-48.00	0.0046
Saint Lucia - Date Reported: 12-Jun-2017 A5 LAC - Population*: 186							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.65	1.09	-40.37	0.0035
Saint Vincent and the Grenadines - Date Reported: 3-Jan-2017 A5 LAC - Population*: 110							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.03	0.30	-90.00	0.0003
Samoa - Date Reported: 30-Apr-2017 A5 ASIA - Population*: 195							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.06	0.30	-80.00	0.0003
Sao Tome and Principe - Date Reported: 29-Mar-2017 A5 AFR - Population*: 194							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.08	2.20	-96.36	0.0004
Senegal - Date Reported: 22-Jun-2017 A5 AFR - Population*: 15,589							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	18.70	36.20	-48.34	0.0012
Serbia - Date Reported: 22-Jun-2017 A5 EEUR - Population*: 8,813							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	6.40	8.40	-23.81	0.0007
Seychelles - Date Reported: 23-Jun-2017 A5 AFR - Population*: 97							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.34	1.40	-75.71	0.0035
Sierra Leone - Date Reported: 7-Aug-2017 A5 AFR - Population*: 6,592							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.61	1.70	-64.12	0.0001
Singapore - Date Reported: 22-Jun-2017 A5 ASIA - Population*: 5,697							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	90.77	216.10	-58.00	0.0159

* Population in thousands

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** Consumption and Production numbers are rounded to a uniform number of decimal places.

Display of zero consumption or production has been suppressed for annex groups that have been phased out (namely annex A, groups I and II, annex B groups I, II and III, annex C groups II and III and E) to make it easier to view non-zero consumption.

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**Annex IVc - Production and Consumption of ODSs - Comparison of 2016 with
Baseline: Article 5 Parties (ODP Tonnes)**

	PRODUCTION**			CONSUMPTION**			Per Cap. Cons.
	2016	Base	% Chng	2016	Base	% Chng	
Solomon Islands - Date Reported: 28-Jun-2017 A5 ASIA - Population*: 595							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.24	2.00	-88.00	0.0004
Somalia - Date Reported: 5-Oct-2017 A5 AFR - Population*: 11,079							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	15.45	45.10	-65.74	0.0014
South Africa - Date Reported: 30-Jun-2017 A5 AFR - Population*: 54,979							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	144.15	369.70	-61.01	0.0026
El - Methyl Bromide	0.0	0.0	-100	74.6	602.7	-87.62	0.0014
Sub-Total	0.00	0.00	-100.00	218.75	972.40	-77.50	
Sri Lanka - Date Reported: 6-Apr-2017 A5 ASIA - Population*: 20,811							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	10.54	13.90	-24.17	0.0005
Sudan - Date Reported: 21-Jun-2017 A5 AFR - Population*: 41,176							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	42.07	52.70	-20.17	0.0010
Suriname - Date Reported: 30-Jun-2017 A5 LAC - Population*: 548							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.99	2.00	-50.50	0.0018
Swaziland - Date Reported: 1-Aug-2017 A5 AFR - Population*: 1,304							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	1.17	1.73	-32.37	0.0009
Syrian Arab Republic - Date Reported: 4-Jul-2017 A5 ASIA - Population*: 18,564							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	56.93	135.00	-57.83	0.0031
Thailand - Date Reported: 26-Jul-2017 A5 ASIA - Population*: 68,147							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	589.10	927.60	-36.49	0.0086
The former Yugoslav Republic of Macedonia - Date Reported: 16-Mar-2017 A5 EEUR - Population*: 2,081							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.27	1.80	-85.00	0.0001
Timor-Leste - Date Reported: 29-Jun-2017 A5 ASIA - Population*: 1,211							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.09	0.50	-82.00	0.0001
Togo - Date Reported: 11-Apr-2017 A5 AFR - Population*: 7,497							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	15.40	20.00	-23.00	0.0021
Tonga - Date Reported: 23-May-2017 A5 ASIA - Population*: 107							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.00	0.10	-100	0.0000
Trinidad and Tobago - Date Reported: 5-May-2017 A5 LAC - Population*: 1,365							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	20.80	46.00	-54.78	0.0152
Tunisia - Date Reported: 3-Jul-2017 A5 AFR - Population*: 11,375							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	25.51	40.70	-37.32	0.0022
Turkey - Date Reported: 6-Sep-2017 A5 WEUR - Population*: 79,622							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	26.95	551.47	-95.11	0.0003
Turkmenistan - Date Reported: 3-Jul-2017 A5 ASIA - Population*: 5,439							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	5.13	6.80	-24.56	0.0009
Tuvalu - Date Reported: 18-May-2017 A5 ASIA - Population*: 10							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.01	0.10	-90.00	0.0010
Uganda - Date Reported: 21-Sep-2017 A5 AFR - Population*: 40,323							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.00	0.20	-100	0.0000
United Arab Emirates - Date Reported: 13-Jul-2017 A5 ASIA - Population*: 9,267							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	473.97	557.10	-14.92	0.0511
United Republic of Tanzania - Date Reported: 27-Jun-2017 A5 AFR - Population*: 55,155							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	1.15	1.70	-32.35	0.0000
Uruguay - Date Reported: 18-Apr-2017 A5 LAC - Population*: 3,444							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	16.43	23.40	-29.79	0.0048
Vanuatu - Date Reported: 14-Jun-2017 A5 ASIA - Population*: 270							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.00	0.30	-100	0.0000
Venezuela (Bolivarian Republic of) - Date Reported: 20-Jun-2017 A5 LAC - Population*: 31,519							
Cl - Hydrochlorofluorocarbons (HCFCs)	14.29	123.10	-88.39	26.59	207.00	-87.15	0.0008
Viet Nam - Date Reported: 28-Jun-2017 A5 ASIA - Population*: 94,444							
Cl - Hydrochlorofluorocarbons (HCFCs)	-0.01	0.00	-100	195.72	221.20	-11.52	0.0021
Yemen - Date Reported: 22-Jun-2017 A5 ASIA - Population*: 27,478							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	92.29	158.20	-41.66	0.0034
Zambia - Date Reported: 2-May-2017 A5 AFR - Population*: 16,717							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	2.75	5.00	-45.00	0.0002
Zimbabwe - Date Reported: 24-Apr-2017 A5 AFR - Population*: 15,967							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	9.49	17.80	-46.69	0.0006
TOTAL	24,980.59	135,844.00		19,938.03	163,197.07		

* Population in thousands

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** Consumption and Production numbers are rounded to a uniform number of decimal places.

Display of zero consumption or production has been suppressed for annex groups that have been phased out (namely annex A, groups I and II, annex B groups I, II and III, annex C groups II and III and E) to make it easier to view non-zero consumption.

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Annex Va - Production and Consumption of ODSs - Comparison of 2015 with**Baseline: Summary for All Parties (ODP Tonnes)****Key**

- AI - Annex A, Group I (CFCs). Base for Article 5 parties is the average of 1995, 1996 and 1997. Base for non-Article 5 Parties is 1986.
 All - Annex A, Group II (Halons). Base for Article 5 parties is the average of 1995, 1996 and 1997. Base for non-Article 5 Parties is 1986.
 BI - Annex B, Group I (Other Halogenated CFCs). Base for Article 5 parties = average of 1998, 1999 and 2000. Base for non-Article 5 Parties is 1989.
 BII - Annex B, Group II (Carbon Tetrachloride). Base for Article 5 parties is the average of 1998, 1999 and 2000. Base for non-Article 5 Parties is 1989.
 BIII - Annex B, Group III (Methyl Chloroform). Base for Article 5 parties is the average of 1998, 1999 and 2000. Base for non-Article 5 Parties is 1989.
 CI - Annex C, Group I (HCFCs). Base for Article 5 parties is the average of 2009 and 2010. Base consumption for non-Article 5 Parties is 1989 consumption of HCFCs plus 2.8% of 1989 consumption of CFCs. Base production for non-Article 5 Parties is Average of 1989 HCFC production + 2.8% of 1989 CFC production and 1989 HCFC consumption + 2.8% of 1989 CFC consumption.
 CII - Annex C, Group II (HBFCs). Phase-out requirement was in 1996.
 CIII - Annex C, Group III (Bromochloromethane). Phase-out requirement was in 2002.
 EI - Annex E, Group I (Methyl Bromide). Base for Article 5 parties is the average of 1995, 1996, 1997 and 1998. Base for non-Article 5 Parties is 1991.

	PRODUCTION**			CONSUMPTION**			Per Cap. Cons.
	2015	Base	% Chng	2015	Base	% Chng	
All Parties 197 - Population*: 7,290,062							
AI - Chlorofluorocarbons (CFCs)	-1,455.8	1,124,768.6	-100.13	-1,493.0	1,052,292.9	-100.14	-0.0002
All - Halons	-316.9	231,127.8	-100.14	-316.8	208,928.7	-100.15	0.0000
BI - Other Fully Halogenated CFCs	-14.1	3,344.7	-100.42	-14.1	3,357.4	-100.42	0.0000
BII - Carbon Tetrachloride	-124.8	390,170.7	-100.03	-1,850.0	313,008.9	-100.59	-0.0003
BIII - Methyl Chloroform	-22.4	69,670.6	-100.03	-22.4	61,734.6	-100.04	0.0000
CI - Hydrochlorofluorocarbons (HCFCs)	25,882.10	74,174.70	-65.11	26,415.49	71,304.07	-62.95	0.0036
CII - Hydrobromofluorocarbons (HBFCs)	0.0	0.0	-	-0.5	0.0	-	0.0000
CIII - Bromochloromethane	-7.2	0.0	-	-7.2	0.0	-	0.0000
EI - Methyl Bromide	394.8	40,407.4	-99.02	322.9	42,844.0	-99.25	0.0000
Sub-Total	24,335.70	1,933,664.50	-98.74	23,034.39	1,753,470.57	-98.69	
Article 5 Parties 147 - Population*: 5,986,925							
AI - Chlorofluorocarbons (CFCs)	-89.9	108,540.6	-100	-89.9	164,922.6	-100	0.0000
BII - Carbon Tetrachloride	219.8	57,532.2	-99.62	219.8	65,707.5	-99.67	0.0000
CI - Hydrochlorofluorocarbons (HCFCs)	24,335.03	32,988.90	-26.23	25,298.64	35,861.97	-29.46	0.0042
EI - Methyl Bromide	68.3	806.3	-91.53	199.0	9,504.9	-97.91	0.0000
Sub-Total	24,533.23	199,868.00	-87.73	25,627.54	275,996.97	-90.71	
Non-Article 5 Parties 50 - Population*: 1,303,137							
AI - Chlorofluorocarbons (CFCs)	-1,365.9	1,016,228.0	-100	-1,403.1	887,370.3	-100	-0.0011
All - Halons	-316.9	186,168.0	-100	-316.8	162,436.3	-100	-0.0002
BI - Other Fully Halogenated CFCs	-14.1	3,318.0	-100	-14.1	3,277.2	-100	0.0000
BII - Carbon Tetrachloride	-344.6	332,638.5	-100	-2,069.8	247,301.4	-100	-0.0016
BIII - Methyl Chloroform	-22.4	69,517.7	-100	-22.4	59,872.7	-100	0.0000
CI - Hydrochlorofluorocarbons (HCFCs)	1,547.07	41,185.80	-96.24	1,116.85	35,442.10	-96.85	0.0009
CII - Hydrobromofluorocarbons (HBFCs)	0.0	0.0	-100	-0.5	0.0	-100	0.0000
CIII - Bromochloromethane	-7.2	0.0	-100	-7.2	0.0	-100	0.0000
EI - Methyl Bromide	326.5	39,601.1	-99.18	123.9	33,339.1	-99.63	0.0001
Sub-Total	-197.53	1,688,657.10	-100.00	-2,593.15	1,429,039.10	-100.18	

* Population in thousands

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Annex Vb - Production and Consumption of ODSs - Comparison of 2015 with**Baseline: Non-Article 5 Parties (ODP Tonnes)****Key**

- AI - Annex A, Group I (CFCs). Base for Article 5 parties is the average of 1995, 1996 and 1997. Base for non-Article 5 Parties is 1986.
 All - Annex A, Group II (Halons). Base for Article 5 parties is the average of 1995, 1996 and 1997. Base for non-Article 5 Parties is 1986.
 BI - Annex B, Group I (Other Halogenated CFCs). Base for Article 5 parties = average of 1998, 1999 and 2000. Base for non-Article 5 Parties is 1989.
 BII - Annex B, Group II (Carbon Tetrachloride). Base for Article 5 parties is the average of 1998, 1999 and 2000. Base for non-Article 5 Parties is 1989.
 BIII - Annex B, Group III (Methyl Chloroform). Base for Article 5 parties is the average of 1998, 1999 and 2000. Base for non-Article 5 Parties is 1989.
 CI - Annex C, Group I (HCFCs). Base for Article 5 parties is the average of 2009 and 2010. Base consumption for non-Article 5 Parties is 1989 consumption of HCFCs plus 2.8% of 1989 consumption of CFCs. Base production for non-Article 5 Parties is Average of 1989 HCFC production + 2.8% of 1989 CFC production and 1989 HCFC consumption + 2.8% of 1989 CFC consumption.
 CII - Annex C, Group II (HBFCs). Phase-out requirement was in 1996.
 CIII - Annex C, Group III (Bromochloromethane). Phase-out requirement was in 2002.
 EI - Annex E, Group I (Methyl Bromide). Base for Article 5 parties is the average of 1995, 1996, 1997 and 1998. Base for non-Article 5 Parties is 1991.

	PRODUCTION**			CONSUMPTION**			Per Cap. Cons.
	2015	Base	% Chng	2015	Base	% Chng	
Andorra - Date Reported: 20-Jun-2016 Non-A5 WEUR - Population*: 93							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	3.50	-100	0.00	6.90	-100	0.0000
Australia - Date Reported: 7-Jun-2016 Non-A5 WEUR - Population*: 22,607							
AI - Chlorofluorocarbons (CFCs)	-8.9	15,385.4	-100	-8.9	14,290.4	-100	-0.0004
CI - Hydrochlorofluorocarbons (HCFCs)	-1.75	587.10	-100	8.19	548.70	-98.51	0.0004
EI - Methyl Bromide	0.0	0.0	-100	17.9	422.4	-95.76	0.0008
Sub-Total	-10.65	15,972.50	-100.00	17.19	15,261.50	-99.89	
Austria - Date Reported: 28-Jul-2016 Non-A5 WEUR EU Member - Population*: 8,467							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	91.20	-100				
Azerbaijan - Date Reported: 2-Jun-2016 Non-A5 EEUR CEIT - Population*: 9,426							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	7.40	-100	1.24	14.90	-91.68	0.0001
Belarus - Date Reported: 1-Jul-2016 Non-A5 EEUR CEIT - Population*: 9,355							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	25.00	-100	4.50	50.00	-91.00	0.0005
Belgium - Date Reported: 4-Jan-2016 Non-A5 WEUR EU Member - Population*: 10,878							
AI - Chlorofluorocarbons (CFCs)	-32.3	0.0	-100				
CI - Hydrochlorofluorocarbons (HCFCs)	-1.68	0.00	-100				
Sub-Total	-33.98	0.00	-100.00				
Bulgaria - Date Reported: 7-Jul-2016 Non-A5 EEUR CEIT EU Member - Population*: 7,263							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	40.90	-100				
Canada - Date Reported: 27-Jun-2016 Non-A5 WEUR - Population*: 35,493							
BII - Carbon Tetrachloride	0.0	29,309.5	-100	0.3	6,167.7	-100.00	0.0000
CI - Hydrochlorofluorocarbons (HCFCs)	51.09	819.60	-93.77	15.63	892.30	-98.25	0.0004
EI - Methyl Bromide	0.0	0.0	-100	2.5	120.1	-97.92	0.0001
Sub-Total	51.09	30,129.10	-99.83	18.43	7,180.10	-99.74	
Croatia - Date Reported: 19-May-2016 Non-A5 EEUR EU Member - Population*: 4,370							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	7.30	-100				
Cyprus - Date Reported: 4-Jul-2016 Non-A5 ASIA EU Member - Population*: 925							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	4.30	-100				
Czech Republic - Date Reported: 30-Jun-2016 Non-A5 EEUR CEIT EU Member - Population*: 10,510							
AI - Chlorofluorocarbons (CFCs)	-10.6	1,977.6	-100				
BII - Carbon Tetrachloride	78.0	5,285.5	-98.52				
CI - Hydrochlorofluorocarbons (HCFCs)	-0.35	107.60	-100				
Sub-Total	67.05	7,370.70	-99.09				
Denmark - Date Reported: 8-Oct-2016 Non-A5 WEUR EU Member - Population*: 5,523							
AI - Chlorofluorocarbons (CFCs)	-107.9	0.0	-100				
CI - Hydrochlorofluorocarbons (HCFCs)	-0.74	68.90	-100				
Sub-Total	-108.64	68.90	-100.00				
Estonia - Date Reported: 11-Jul-2016 Non-A5 EEUR CEIT EU Member - Population*: 1,337							
AI - Chlorofluorocarbons (CFCs)	-0.5	0.0	-100				
CI - Hydrochlorofluorocarbons (HCFCs)	-0.03	2.80	-100				
Sub-Total	-0.53	2.80	-100.00				
European Union - Date Reported: 30-Jun-2016 Non-A5 WEUR - Population*: 502,470							
AI - Chlorofluorocarbons (CFCs)				-946.1	301,930.2	-100	-0.0019
All - Halons				-308.9	40,993.0	-100	-0.0006
BI - Other Fully Halogenated CFCs				-14.0	58.0	-100	0.0000
BII - Carbon Tetrachloride				-1,923.3	50,406.4	-100	-0.0038
CI - Hydrochlorofluorocarbons (HCFCs)				-53.48	8,228.10	-100	-0.0001
CII - Hydrobromofluorocarbons (HBFCs)				-0.5		-100	0.0000
EI - Methyl Bromide				-2.6	11,530.0	-100	0.0000
Sub-Total				-3,248.88	413,145.70	-100.79	

* Population in thousands

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Annex Vb - Production and Consumption of ODSs - Comparison of 2015 with

Baseline: Non-Article 5 Parties (ODP Tonnes)

	PRODUCTION**			CONSUMPTION**			Per Cap. Cons.
	2015	Base	% Chng	2015	Base	% Chng	
Finland - Date Reported: 30-Jun-2016 <i>Non-A5 WEUR EU Member - Population*: 5,432</i>							
All - Halons	-72.7	0.0	-100				
Cl - Hydrochlorofluorocarbons (HCFCs)	-2.47	36.50	-100				
Sub-Total	-75.17	36.50	-100.00				
France - Date Reported: 30-Jun-2016 <i>Non-A5 WEUR EU Member - Population*: 63,900</i>							
All - Chlorofluorocarbons (CFCs)	-259.6	71,018.4	-100				
All - Halons	-232.3	34,465.0	-100				
Bll - Carbon Tetrachloride	-55.3	5,119.4	-100				
Cl - Hydrochlorofluorocarbons (HCFCs)	214.13	2,337.40	-90.84				
Sub-Total	-333.07	112,940.20	-100.00				
Germany - Date Reported: 12-Jul-2016 <i>Non-A5 WEUR EU Member - Population*: 81,346</i>							
All - Chlorofluorocarbons (CFCs)	-152.2	123,652.8	-100				
Bl - Other Fully Halogenated CFCs	-14.0	61.0	-100				
Bll - Carbon Tetrachloride	-220.5	8,067.4	-100				
Cl - Hydrochlorofluorocarbons (HCFCs)	-10.28	3,425.60	-100				
Sub-Total	-396.98	135,206.80	-100.00				
Greece - Date Reported: 4-Aug-2016 <i>Non-A5 WEUR EU Member - Population*: 11,261</i>							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	235.30	-100				
Holy See - Date Reported: 29-Mar-2016 <i>Non-A5 WEUR - Population*: 1</i>							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.10	-100	0.00	0.20	-100	0.0000
Hungary - Date Reported: 10-Oct-2016 <i>Non-A5 EEUR CEIT EU Member - Population*: 9,874</i>							
All - Chlorofluorocarbons (CFCs)	-24.4	0.0	-100				
Cl - Hydrochlorofluorocarbons (HCFCs)	-0.30	67.90	-100				
Sub-Total	-24.70	67.90	-100.00				
Iceland - Date Reported: 19-May-2017 <i>Non-A5 WEUR - Population*: 353</i>							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	4.30	-100	0.00	8.70	-100	0.0000
Ireland - Date Reported: 31-May-2016 <i>Non-A5 WEUR EU Member - Population*: 4,886</i>							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100				
Israel - Date Reported: 13-Oct-2016 <i>Non-A5 WEUR - Population*: 7,823</i>							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	164.50	-100	28.61	329.00	-91.30	0.0037
Clll - Bromochloromethane	-7.2		-100	-7.2		-100	-0.0009
El - Methyl Bromide	-14.4	16,800.0	-100	-103.8	2,148.0	-100	-0.0133
Sub-Total	-21.60	16,964.50	-100.00	-82.39	2,477.00	-103.33	
Italy - Date Reported: 24-Jun-2016 <i>Non-A5 WEUR EU Member - Population*: 60,604</i>							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	1,704.10	-100				
Japan - Date Reported: 25-Aug-2016 <i>Non-A5 ASIA - Population*: 125,791</i>							
All - Chlorofluorocarbons (CFCs)	-180.0	119,997.8	-100	-180.0	118,134.0	-100	-0.0014
Bll - Carbon Tetrachloride	14.2	19,602.0	-99.93	14.2	74,879.2	-99.98	0.0001
Cl - Hydrochlorofluorocarbons (HCFCs)	77.78	5,645.40	-98.62	119.96	5,554.90	-97.84	0.0010
Sub-Total	-88.02	145,245.20	-100.00	-45.84	198,568.10	-100.02	
Kazakhstan - Date Reported: 28-Sep-2016 <i>Non-A5 ASIA CEIT - Population*: 16,289</i>							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	19.80	-100	12.11	39.50	-69.34	0.0007
Latvia - Date Reported: 11-Oct-2016 <i>Non-A5 EEUR CEIT EU Member - Population*: 2,197</i>							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	69.00	-100				
Liechtenstein - Date Reported: 3-Oct-2016 <i>Non-A5 WEUR - Population*: 38</i>							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.30	-100	0.00	0.70	-100	0.0000
Lithuania - Date Reported: 9-Aug-2016 <i>Non-A5 EEUR CEIT EU Member - Population*: 3,143</i>							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	77.80	-100				
Luxembourg - Date Reported: 19-May-2016 <i>Non-A5 WEUR EU Member - Population*: 520</i>							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100				
Malta - Date Reported: 3-Oct-2016 <i>Non-A5 WEUR EU Member - Population*: 417</i>							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	5.80	-100				
Monaco - Date Reported: 2-Jun-2016 <i>Non-A5 WEUR - Population*: 33</i>							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	1.20	-100	0.00	2.40	-100	0.0000
Netherlands - Date Reported: 27-Jun-2016 <i>Non-A5 WEUR EU Member - Population*: 16,915</i>							
Cl - Hydrochlorofluorocarbons (HCFCs)	146.57	1,568.70	-90.66				
New Zealand - Date Reported: 30-Jun-2016 <i>Non-A5 WEUR - Population*: 4,492</i>							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	28.00	-100	1.10	56.10	-98.04	0.0002
Norway - Date Reported: 30-Jun-2016 <i>Non-A5 WEUR - Population*: 5,036</i>							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	38.00	-100	0.00	76.00	-100	0.0000
Poland - Date Reported: 30-Jun-2016 <i>Non-A5 EEUR CEIT EU Member - Population*: 37,788</i>							
All - Chlorofluorocarbons (CFCs)	-19.0	0.0	-100				
Cl - Hydrochlorofluorocarbons (HCFCs)	-0.92	97.30	-100				
Sub-Total	-19.92	97.30	-100.00				

* Population in thousands

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** Consumption and Production numbers are rounded to a uniform number of decimal places.

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Annex Vb - Production and Consumption of ODSs - Comparison of 2015 with**Baseline: Non-Article 5 Parties (ODP Tonnes)**

	<u>PRODUCTION**</u>			<u>CONSUMPTION**</u>			Per Cap. Cons.
	2015	Base	% Chng	2015	Base	% Chng	
Portugal - Date Reported: 30-Jun-2016 <i>Non-A5 WEUR EU Member - Population*: 10,787</i>							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100				
Romania - Date Reported: 10-Oct-2016 <i>Non-A5 EEUR EU Member - Population*: 20,787</i>							
Al - Chlorofluorocarbons (CFCs)	-4.8	0.0	-100				
Cl - Hydrochlorofluorocarbons (HCFCs)	-0.01		-100				
Sub-Total	-4.81	0.00	-100.00				
Russian Federation - Date Reported: 29-Aug-2016 <i>Non-A5 EEUR CEIT - Population*: 137,983</i>							
Al - Chlorofluorocarbons (CFCs)	60.0	105,296.0	-99.94	60.0	100,352.0	-99.94	0.0004
Cl - Hydrochlorofluorocarbons (HCFCs)	344.67	4,066.10	-91.52	381.13	3,996.90	-90.46	0.0028
Sub-Total	404.67	109,362.10	-99.63	441.13	104,348.90	-99.58	
San Marino - Date Reported: 15-Jun-2016 <i>Non-A5 WEUR - Population*: 32</i>							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.20	-100	0.00	0.40	-100	0.0000
Slovakia - Date Reported: 7-Jun-2016 <i>Non-A5 EEUR CEIT EU Member - Population*: 5,437</i>							
Cl - Hydrochlorofluorocarbons (HCFCs)	-0.27	29.10	-100				
Slovenia - Date Reported: 23-May-2016 <i>Non-A5 EEUR CEIT EU Member - Population*: 2,044</i>							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	34.00	-100				
Spain - Date Reported: 5-Jul-2016 <i>Non-A5 WEUR EU Member - Population*: 47,203</i>							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	1,345.60	-100				
Sweden - Date Reported: 1-Oct-2016 <i>Non-A5 WEUR EU Member - Population*: 9,498</i>							
Al - Chlorofluorocarbons (CFCs)	-114.6	0.0	-100				
All - Halons	-2.7	0.0	-100				
Cl - Hydrochlorofluorocarbons (HCFCs)	-0.58	78.60	-100				
Sub-Total	-117.88	78.60	-100.00				
Switzerland - Date Reported: 27-Sep-2016 <i>Non-A5 WEUR - Population*: 7,736</i>							
Al - Chlorofluorocarbons (CFCs)	0.0	0.0	-100	0.1	7,960.0	-100.00	0.0000
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	65.30	-100	0.00	130.50	-100	0.0000
Sub-Total	0.00	65.30	-100.00	0.10	8,090.50	-100.00	
Tajikistan - Date Reported: 22-Sep-2016 <i>Non-A5 ASIA CEIT - Population*: 7,761</i>							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	9.40	-100	1.66	18.70	-91.12	0.0002
Ukraine - Date Reported: 7-Jul-2016 <i>Non-A5 EEUR CEIT - Population*: 44,165</i>							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	82.10	-100	5.10	164.20	-96.89	0.0001
United Kingdom of Great Britain and Northern Ireland - Date Reported: 30-Jun-2016 <i>Non-A5 WEUR EU Member - Population*: 63,528</i>							
Al - Chlorofluorocarbons (CFCs)	-186.0	102,014.4	-100				
All - Halons	-1.3	16,500.0	-100				
Cl - Hydrochlorofluorocarbons (HCFCs)	-8.29	2,755.80	-100				
Sub-Total	-195.59	121,270.20	-100.00				
United States of America - Date Reported: 21-Sep-2016 <i>Non-A5 WEUR - Population*: 332,334</i>							
Al - Chlorofluorocarbons (CFCs)	-325.1	311,021.2	-100	-328.2	305,963.6	-100	-0.0010
All - Halons	-7.9	58,756.0	-100	-7.9	57,803.0	-100	0.0000
Bl - Other Fully Halogenated CFCs	-0.1	577.0	-100	-0.1	571.0	-100	0.0000
Bll - Carbon Tetrachloride	-161.0	56,036.2	-100	-161.0	11,924.0	-100	-0.0005
Blll - Methyl Chloroform	-22.4	31,517.0	-100	-22.4	25,597.3	-100	-0.0001
Cl - Hydrochlorofluorocarbons (HCFCs)	740.50	15,389.60	-95.19	583.87	15,248.30	-96.17	0.0018
El - Methyl Bromide	340.9	16,908.0	-97.98	209.9	15,317.4	-98.63	0.0006
Sub-Total	564.90	490,205.00	-99.88	274.17	432,424.60	-99.94	
Uzbekistan - Date Reported: 11-Oct-2016 <i>Non-A5 ASIA CEIT - Population*: 29,456</i>							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	37.40	-100	7.23	74.70	-90.32	0.0002
TOTAL	-197.53	1,190,553.40		-2,593.15	1,182,009.80		

* Population in thousands

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Annex Vc - Production and Consumption of ODSs - Comparison of 2015 with**Baseline: Article 5 Parties (ODP Tonnes)****Key**

- AI - Annex A, Group I (CFCs). Base for Article 5 parties is the average of 1995, 1996 and 1997. Base for non-Article 5 Parties is 1986.
 All - Annex A, Group II (Halons). Base for Article 5 parties is the average of 1995, 1996 and 1997. Base for non-Article 5 Parties is 1986.
 BI - Annex B, Group I (Other Halogenated CFCs). Base for Article 5 parties = average of 1998, 1999 and 2000. Base for non-Article 5 Parties is 1989.
 BII - Annex B, Group II (Carbon Tetrachloride). Base for Article 5 parties is the average of 1998, 1999 and 2000. Base for non-Article 5 Parties is 1989.
 BIII - Annex B, Group III (Methyl Chloroform). Base for Article 5 parties is the average of 1998, 1999 and 2000. Base for non-Article 5 Parties is 1989.
 CI - Annex C, Group I (HCFCs). Base for Article 5 parties is the average of 2009 and 2010. Base consumption for non-Article 5 Parties is 1989 consumption of HCFCs plus 2.8% of 1989 consumption of CFCs. Base production for non-Article 5 Parties is Average of 1989 HCFC production + 2.8% of 1989 CFC production and 1989 HCFC consumption + 2.8% of 1989 CFC consumption.
 CII - Annex C, Group II (HBFCs). Phase-out requirement was in 1996.
 CIII - Annex C, Group III (Bromochloromethane). Phase-out requirement was in 2002.
 EI - Annex E, Group I (Methyl Bromide). Base for Article 5 parties is the average of 1995, 1996, 1997 and 1998. Base for non-Article 5 Parties is 1991.

	PRODUCTION**			CONSUMPTION**			Per Cap. Cons.
	2015	Base	% Chng	2015	Base	% Chng	
Afghanistan - Date Reported: 27-Jun-2016 A5 ASIA - Population*: 34,246							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	20.24	23.60	-14.24	0.0006
Albania - Date Reported: 21-Sep-2016 A5 EEUR - Population*: 3,256							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	2.58	6.00	-57.00	0.0008
Algeria - Date Reported: 20-Apr-2016 A5 AFR - Population*: 38,088							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	53.43	62.12	-13.99	0.0014
Angola - Date Reported: 28-Jun-2016 A5 AFR - Population*: 21,690							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	13.78	16.00	-13.88	0.0006
Antigua and Barbuda - Date Reported: 7-Sep-2016 A5 LAC - Population*: 93							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.06	0.30	-80.00	0.0006
Argentina - Date Reported: 9-Jun-2016 A5 LAC - Population*: 42,548							
CI - Hydrochlorofluorocarbons (HCFCs)	134.53	224.60	-40.10	295.42	400.70	-26.27	0.0069
EI - Methyl Bromide	0.0	0.0	-100	80.5	411.3	-80.43	0.0019
Sub-Total	134.53	224.60	-40.10	375.92	812.00	-53.70	
Armenia - Date Reported: 22-Mar-2016 A5 EEUR - Population*: 3,139							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	2.34	7.00	-66.57	0.0007
Bahamas - Date Reported: 19-Sep-2016 A5 LAC - Population*: 366							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	3.52	4.80	-26.67	0.0096
Bahrain - Date Reported: 2-May-2016 A5 ASIA - Population*: 882							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	45.98	51.90	-11.41	0.0521
Bangladesh - Date Reported: 29-Jun-2016 A5 ASIA - Population*: 175,217							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	64.18	72.60	-11.60	0.0004
Barbados - Date Reported: 19-Feb-2016 A5 LAC - Population*: 260							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	1.06	3.70	-71.35	0.0041
Belize - Date Reported: 25-May-2016 A5 LAC - Population*: 344							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	2.26	2.80	-19.29	0.0066
Benin - Date Reported: 3-May-2016 A5 AFR - Population*: 10,647							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	19.28	23.80	-18.99	0.0018
Bhutan - Date Reported: 24-Jun-2016 A5 ASIA - Population*: 770							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.20	0.30	-33.33	0.0003
Bolivia (Plurinational State of) - Date Reported: 5-Oct-2016 A5 LAC - Population*: 10,854							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	2.25	6.10	-63.11	0.0002
Bosnia and Herzegovina - Date Reported: 6-May-2016 A5 EEUR - Population*: 3,727							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	2.11	4.70	-55.11	0.0006
Botswana - Date Reported: 3-Oct-2016 A5 AFR - Population*: 2,106							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	9.75	11.00	-11.36	0.0046
Brazil - Date Reported: 30-Mar-2016 A5 LAC - Population*: 202,866							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	1,025.81	1,327.30	-22.71	0.0051
Brunei Darussalam - Date Reported: 11-Jun-2016 A5 ASIA - Population*: 443							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	3.57	6.10	-41.48	0.0081
Burkina Faso - Date Reported: 18-May-2016 A5 AFR - Population*: 19,013							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	11.99	28.90	-58.51	0.0006
Burundi - Date Reported: 20-Mar-2016 A5 AFR - Population*: 9,413							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	6.49	7.20	-9.86	0.0007
Cabo Verde - Date Reported: 23-May-2016 A5 AFR - Population*: 548							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.14	1.10	-87.27	0.0003
Cambodia - Date Reported: 30-May-2016 A5 ASIA - Population*: 16,357							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	11.69	15.00	-22.07	0.0007
Cameroon - Date Reported: 9-Jun-2016 A5 AFR - Population*: 22,169							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	67.24	88.80	-24.28	0.0030
Central African Republic - Date Reported: 11-Oct-2016 A5 AFR - Population*: 4,927							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	10.45	12.00	-12.92	0.0021

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**Annex Vc - Production and Consumption of ODSs - Comparison of 2015 with
Baseline: Article 5 Parties (ODP Tonnes)**

	PRODUCTION**			CONSUMPTION**			Per Cap. Cons.
	2015	Base	% Chng	2015	Base	% Chng	
Chad - Date Reported: 23-Feb-2016 A5 AFR - Population*: 13,120							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	14.20	16.10	-11.80	0.0011
Chile - Date Reported: 6-Oct-2016 A5 LAC - Population*: 17,926							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	67.63	87.50	-22.71	0.0038
China - Date Reported: 29-Sep-2016 A5 ASIA - Population*: 1,395,998							
Al - Chlorofluorocarbons (CFCs)	-15.5	47,003.9	-100	-15.5	57,818.7	-100	0.0000
BlI - Carbon Tetrachloride	220.0	32,479.7	-99.32	220.0	49,142.1	-99.55	0.0002
Cl - Hydrochlorofluorocarbons (HCFCs)	21,898.41	29,122.00	-24.80	13,485.21	19,269.00	-30.02	0.0097
El - Methyl Bromide	68.3	776.3	-91.20	68.3	1,102.1	-93.80	0.0000
Sub-Total	22,171.21	109,381.90	-79.73	13,758.01	127,331.90	-89.20	
Colombia - Date Reported: 6-Oct-2016 A5 LAC - Population*: 49,385							
Al - Chlorofluorocarbons (CFCs)	-0.2	0.0	-100	-0.2	2,208.2	-100	0.0000
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	164.60	225.60	-27.04	0.0033
Sub-Total	-0.20	0.00	-100.00	164.40	2,433.80	-93.25	
Comoros - Date Reported: 14-Mar-2016 A5 AFR - Population*: 767							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.10	0.10	0.00	0.0001
Congo - Date Reported: 12-Apr-2016 A5 AFR - Population*: 4,225							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	8.15	10.14	-19.63	0.0019
Cook Islands - Date Reported: 7-Oct-2016 A5 ASIA - Population*: 20							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.00	0.10	-100	0.0000
Costa Rica - Date Reported: 9-Jun-2016 A5 LAC - Population*: 4,957							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	10.96	14.10	-22.27	0.0022
Côte d'Ivoire - Date Reported: 23-May-2016 A5 AFR - Population*: 24,210							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	51.33	63.80	-19.55	0.0021
Cuba - Date Reported: 18-Apr-2016 A5 LAC - Population*: 11,213							
Al - Chlorofluorocarbons (CFCs)	-0.3	0.0	-100	-0.3	625.1	-100	0.0000
Cl - Hydrochlorofluorocarbons (HCFCs)	-0.01	0.00	-100	13.17	16.90	-22.07	0.0012
Sub-Total	-0.31	0.00	-100.00	12.87	642.00	-98.00	
Democratic People's Republic of Korea - Date Reported: 5-May-2016 A5 ASIA - Population*: 24,399							
Cl - Hydrochlorofluorocarbons (HCFCs)	27.39	27.60	-0.76	70.02	78.00	-10.23	0.0029
Democratic Republic of the Congo - Date Reported: 15-Apr-2016 A5 AFR - Population*: 77,419							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	15.40	66.21	-76.74	0.0002
Djibouti - Date Reported: 3-May-2016 A5 AFR - Population*: 953							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.56	0.70	-20.00	0.0006
Dominica - Date Reported: 1-May-2016 A5 LAC - Population*: 67							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.13	0.40	-67.50	0.0019
Dominican Republic - Date Reported: 29-Feb-2016 A5 LAC - Population*: 10,867							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	43.39	51.20	-15.25	0.0040
Ecuador - Date Reported: 10-Mar-2016 A5 LAC - Population*: 14,596							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	20.10	23.49	-14.43	0.0014
Egypt - Date Reported: 6-Apr-2016 A5 AFR - Population*: 91,778							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	343.12	386.30	-11.18	0.0037
El Salvador - Date Reported: 30-Apr-2016 A5 LAC - Population*: 6,383							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	5.82	11.70	-50.26	0.0009
Equatorial Guinea - Date Reported: 25-May-2016 A5 AFR - Population*: 781							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	4.95	6.31	-21.55	0.0063
Eritrea - Date Reported: 15-Sep-2016 A5 AFR - Population*: 6,009							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.97	1.09	-11.01	0.0002
Ethiopia - Date Reported: 15-Jun-2016 A5 AFR - Population*: 96,237							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	4.69	5.50	-14.73	0.0000
Fiji - Date Reported: 6-Oct-2016 A5 ASIA - Population*: 874							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	3.87	8.40	-53.93	0.0044
Gabon - Date Reported: 19-Aug-2016 A5 AFR - Population*: 1,639							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	19.25	30.20	-36.26	0.0117
Gambia - Date Reported: 15-Mar-2016 A5 AFR - Population*: 1,985							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.75	1.50	-50.00	0.0004
Georgia - Date Reported: 14-Mar-2016 A5 EEUR - Population*: 4,084							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	1.68	5.30	-68.30	0.0004
Ghana - Date Reported: 14-Sep-2016 A5 AFR - Population*: 26,925							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	20.41	57.30	-64.38	0.0008
Grenada - Date Reported: 16-Aug-2016 A5 LAC - Population*: 107							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.22	0.80	-72.50	0.0021
Guatemala - Date Reported: 3-May-2016 A5 LAC - Population*: 16,227							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	4.50	8.30	-45.78	0.0003

* Population in thousands

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Annex Vc - Production and Consumption of ODSs - Comparison of 2015 with

Baseline: Article 5 Parties (ODP Tonnes)

	PRODUCTION**			CONSUMPTION**			Per Cap. Cons.
	2015	Base	% Chng	2015	Base	% Chng	
Guinea - Date Reported: 23-Jul-2016 A5 AFR - Population*: 11,844							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	5.65	22.60	-75.00	0.0005
Guinea Bissau - Date Reported: 31-Aug-2016 A5 AFR - Population*: 1,848							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	2.48	2.83	-12.37	0.0013
Guyana - Date Reported: 4-Apr-2016 A5 LAC - Population*: 754							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	1.34	1.80	-25.56	0.0018
Haiti - Date Reported: 22-Aug-2016 A5 LAC - Population*: 10,957							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	3.25	3.63	-10.47	0.0003
Honduras - Date Reported: 25-Aug-2016 A5 LAC - Population*: 8,386							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	10.85	19.90	-45.48	0.0013
India - Date Reported: 30-Sep-2016 A5 ASIA - Population*: 1,294,192							
Al - Chlorofluorocarbons (CFCs)	-34.1	22,632.4	-100	-34.1	6,681.0	-100	0.0000
Bll - Carbon Tetrachloride	-0.2	11,552.9	-100	-0.2	11,505.3	-100	0.0000
Cl - Hydrochlorofluorocarbons (HCFCs)	1,727.62	2,399.50	-28.00	992.54	1,608.20	-38.28	0.0008
Sub-Total	1,693.32	36,584.80	-95.37	958.24	19,794.50	-95.16	
Indonesia - Date Reported: 31-May-2016 A5 ASIA - Population*: 244,191							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	152.67	403.90	-62.20	0.0006
Iran (Islamic Republic of) - Date Reported: 26-Jun-2016 A5 ASIA - Population*: 79,454							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	309.28	380.50	-18.72	0.0039
Iraq - Date Reported: 4-May-2016 A5 ASIA - Population*: 35,884							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	93.39	108.40	-13.85	0.0026
Jamaica - Date Reported: 23-Aug-2016 A5 LAC - Population*: 2,786							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	2.92	16.30	-82.09	0.0010
Jordan - Date Reported: 26-Apr-2016 A5 ASIA - Population*: 6,957							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	73.99	83.00	-10.86	0.0106
Kenya - Date Reported: 7-Aug-2016 A5 AFR - Population*: 46,433							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	20.60	52.20	-60.54	0.0004
Kiribati - Date Reported: 28-Jul-2016 A5 ASIA - Population*: 107							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.03	0.10	-70.00	0.0003
Kuwait - Date Reported: 9-Oct-2016 A5 ASIA - Population*: 3,378							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	338.98	418.60	-19.02	0.1003
Kyrgyzstan - Date Reported: 6-Jun-2016 A5 ASIA - Population*: 5,877							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	1.58	4.10	-61.46	0.0003
Lao People's Democratic Republic - Date Reported: 18-May-2016 A5 ASIA - Population*: 7,028							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	2.00	2.30	-13.04	0.0003
Lebanon - Date Reported: 9-Aug-2016 A5 ASIA - Population*: 4,426							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	65.86	73.50	-10.39	0.0149
Lesotho - Date Reported: 12-Jul-2016 A5 AFR - Population*: 2,168							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.75	3.50	-78.57	0.0003
Liberia - Date Reported: 22-Jun-2016 A5 AFR - Population*: 4,665							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	3.13	5.30	-40.94	0.0007
Libya - Date Reported: 29-Jul-2016 A5 AFR - Population*: 7,158							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	119.81	118.38	1.21	0.0167
Madagascar - Date Reported: 10-Mar-2016 A5 AFR - Population*: 22,853							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	14.03	24.90	-43.65	0.0006
Malawi - Date Reported: 4-Apr-2016 A5 AFR - Population*: 17,998							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	8.91	10.80	-17.50	0.0005
Malaysia - Date Reported: 8-Jun-2016 A5 ASIA - Population*: 30,041							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	418.50	515.80	-18.86	0.0139
Maldives - Date Reported: 20-Mar-2016 A5 ASIA - Population*: 338							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	2.45	4.60	-46.74	0.0072
Mali - Date Reported: 16-Jun-2016 A5 AFR - Population*: 14,993							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	10.12	15.00	-32.53	0.0007
Marshall Islands - Date Reported: 23-Sep-2016 A5 ASIA - Population*: 70							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.08	0.20	-60.00	0.0011
Mauritania - Date Reported: 9-May-2016 A5 AFR - Population*: 3,732							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	18.43	20.50	-10.10	0.0049
Mauritius - Date Reported: 29-Apr-2016 A5 AFR - Population*: 1,337							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	6.79	8.00	-15.13	0.0051
Mexico - Date Reported: 13-Apr-2016 A5 LAC - Population*: 115,528							
Al - Chlorofluorocarbons (CFCs)	-39.8	11,042.3	-100	-39.8	4,624.9	-100	-0.0003
Cl - Hydrochlorofluorocarbons (HCFCs)	160.94	697.00	-76.91	660.37	1,148.80	-42.52	0.0057
EI - Methyl Bromide	0.0	0.0	-100	50.9	1,130.8	-95.50	0.0004
Sub-Total	121.14	11,739.30	-98.97	671.47	6,904.50	-90.27	

* Population in thousands

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**Annex Vc - Production and Consumption of ODSs - Comparison of 2015 with
Baseline: Article 5 Parties (ODP Tonnes)**

	PRODUCTION**			CONSUMPTION**			Per Cap. Cons.
	2015	Base	% Chng	2015	Base	% Chng	
Micronesia (Federated States of) - Date Reported: 15-Mar-2016	A5 ASIA - Population*: 114						
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.00	0.20	-100	0.0000
Mongolia - Date Reported: 9-Mar-2016	A5 ASIA - Population*: 3,073						
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.64	1.40	-54.29	0.0002
Montenegro - Date Reported: 12-May-2016	A5 EEUR - Population*: 627						
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.67	0.80	-16.25	0.0011
Morocco - Date Reported: 14-Apr-2016	A5 AFR - Population*: 34,330						
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	16.88	51.35	-67.13	0.0005
Mozambique - Date Reported: 16-Jun-2016	A5 AFR - Population*: 25,957						
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	7.15	8.69	-17.72	0.0003
Myanmar - Date Reported: 3-Jun-2016	A5 ASIA - Population*: 53,087						
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	1.48	4.30	-65.58	0.0000
Namibia - Date Reported: 1-Jun-2016	A5 AFR - Population*: 2,412						
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	5.36	8.40	-36.19	0.0022
Nauru - Date Reported: 12-Jul-2016	A5 ASIA - Population*: 11						
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.02	0.00	DIV0	0.0018
Nepal - Date Reported: 20-Jul-2016	A5 ASIA - Population*: 32,503						
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.55	1.10	-50.00	0.0000
Nicaragua - Date Reported: 29-Mar-2016	A5 LAC - Population*: 6,265						
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	5.70	6.80	-16.18	0.0009
Niger - Date Reported: 23-May-2016	A5 AFR - Population*: 19,150						
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	13.02	15.98	-18.52	0.0007
Nigeria - Date Reported: 22-Sep-2016	A5 AFR - Population*: 175,928						
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	247.70	344.88	-28.18	0.0014
Niue - Date Reported: 7-Oct-2016	A5 ASIA - Population*: 1						
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.00	0.00	-100	0.0000
Oman - Date Reported: 7-Apr-2016	A5 ASIA - Population*: 3,198						
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	22.30	31.50	-29.21	0.0070
Pakistan - Date Reported: 14-Mar-2016	A5 ASIA - Population*: 205,504						
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	203.13	247.40	-17.89	0.0010
Palau - Date Reported: 26-May-2016	A5 ASIA - Population*: 21						
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.11	0.20	-45.00	0.0052
Panama - Date Reported: 25-May-2016	A5 LAC - Population*: 3,773						
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	17.53	24.80	-29.31	0.0046
Papua New Guinea - Date Reported: 19-May-2016	A5 ASIA - Population*: 7,678						
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	2.32	3.30	-29.70	0.0003
Paraguay - Date Reported: 29-Mar-2016	A5 LAC - Population*: 7,007						
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	15.99	18.00	-11.17	0.0023
Peru - Date Reported: 11-Apr-2016	A5 LAC - Population*: 31,197						
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	22.82	26.88	-15.10	0.0007
Philippines - Date Reported: 30-Jun-2016	A5 ASIA - Population*: 101,734						
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	123.26	208.40	-40.85	0.0012
Qatar - Date Reported: 6-Oct-2016	A5 ASIA - Population*: 1,630						
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	65.89	86.90	-24.18	0.0404
Republic of Korea - Date Reported: 30-Jun-2016	A5 ASIA - Population*: 49,153						
Cl - Hydrochlorofluorocarbons (HCFCs)	348.94	395.10	-11.68	1,678.39	1,908.00	-12.03	0.0341
Republic of Moldova - Date Reported: 23-May-2016	A5 EEUR - Population*: 3,462						
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.82	1.00	-18.00	0.0002
Rwanda - Date Reported: 5-Oct-2016	A5 AFR - Population*: 11,743						
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	3.61	4.10	-11.95	0.0003
Saint Kitts and Nevis - Date Reported: 7-Oct-2016	A5 LAC - Population*: 56						
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.36	0.50	-28.00	0.0064
Saint Lucia - Date Reported: 9-Jun-2016	A5 LAC - Population*: 182						
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.47	1.09	-56.88	0.0026
Saint Vincent and the Grenadines - Date Reported: 11-Jan-2016	A5 LAC - Population*: 110						
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.03	0.30	-90.00	0.0003
Samoa - Date Reported: 8-Jun-2016	A5 ASIA - Population*: 181						
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.07	0.30	-76.67	0.0004
Sao Tome and Principe - Date Reported: 8-Mar-2016	A5 AFR - Population*: 180						
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.09	2.20	-95.91	0.0005
Saudi Arabia - Date Reported: 9-Sep-2016	A5 ASIA - Population*: 28,933						
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	1,305.45	1,468.70	-11.12	0.0451
Senegal - Date Reported: 31-May-2016	A5 AFR - Population*: 14,526						
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	20.63	36.20	-43.01	0.0014

* Population in thousands

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Annex Vc - Production and Consumption of ODSs - Comparison of 2015 with

Baseline: Article 5 Parties (ODP Tonnes)

	PRODUCTION**			CONSUMPTION**			Per Cap. Cons.
	2015	Base	% Chng	2015	Base	% Chng	
Serbia - Date Reported: 24-Jun-2016 A5 EEUR - Population*: 9,828							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	6.92	8.40	-17.62	0.0007
Seychelles - Date Reported: 29-Mar-2016 A5 AFR - Population*: 86							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.33	1.40	-76.43	0.0038
Sierra Leone - Date Reported: 3-Jul-2016 A5 AFR - Population*: 6,557							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.99	1.70	-41.76	0.0002
Singapore - Date Reported: 21-Sep-2016 A5 ASIA - Population*: 5,059							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	74.46	216.10	-65.54	0.0147
Solomon Islands - Date Reported: 23-May-2016 A5 ASIA - Population*: 599							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.18	2.00	-91.00	0.0003
Somalia - Date Reported: 19-Apr-2016 A5 AFR - Population*: 10,731							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	15.92	45.10	-64.70	0.0015
South Africa - Date Reported: 1-Jul-2016 A5 AFR - Population*: 51,684							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	208.28	369.70	-43.66	0.0040
El - Methyl Bromide	0.0	0.0	-100	-0.7	602.7	-100	0.0000
Sub-Total	0.00	0.00	-100.00	207.58	972.40	-78.65	
South Sudan - Date Reported: 6-Oct-2016 A5 AFR - Population*: 9,625							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	3.36	4.10	-18.05	0.0003
Sri Lanka - Date Reported: 17-Feb-2016 A5 ASIA - Population*: 21,166							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	10.31	13.90	-25.83	0.0005
Sudan - Date Reported: 4-Oct-2016 A5 AFR - Population*: 47,730							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	46.79	52.70	-11.21	0.0010
Suriname - Date Reported: 2-Oct-2016 A5 LAC - Population*: 547							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	1.40	2.00	-30.00	0.0026
Swaziland - Date Reported: 20-Jun-2016 A5 AFR - Population*: 1,287							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	1.02	1.73	-41.04	0.0008
Syrian Arab Republic - Date Reported: 18-Aug-2016 A5 ASIA - Population*: 24,494							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	46.74	135.00	-65.38	0.0019
Thailand - Date Reported: 22-Sep-2016 A5 ASIA - Population*: 69,939							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	773.50	927.60	-16.61	0.0111
The former Yugoslav Republic of Macedonia - Date Reported: 3-May-2016 A5 EEUR - Population*: 2,045							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.18	1.80	-90.00	0.0001
Timor-Leste - Date Reported: 9-Jun-2016 A5 ASIA - Population*: 1,385							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.41	0.50	-18.00	0.0003
Togo - Date Reported: 9-Mar-2016 A5 AFR - Population*: 7,607							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	16.61	20.00	-16.95	0.0022
Tonga - Date Reported: 29-Jul-2016 A5 ASIA - Population*: 105							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.02	0.10	-80.00	0.0002
Trinidad and Tobago - Date Reported: 7-Oct-2016 A5 LAC - Population*: 1,368							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	12.64	46.00	-72.52	0.0092
Tunisia - Date Reported: 17-Jun-2016 A5 AFR - Population*: 10,884							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	35.57	40.70	-12.60	0.0033
Turkey - Date Reported: 7-Oct-2016 A5 WEUR - Population*: 79,966							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	17.95	551.47	-96.75	0.0002
Turkmenistan - Date Reported: 20-Apr-2016 A5 ASIA - Population*: 5,509							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	4.23	6.80	-37.79	0.0008
Tuvalu - Date Reported: 12-May-2016 A5 ASIA - Population*: 10							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.02	0.10	-80.00	0.0020
Uganda - Date Reported: 24-Sep-2016 A5 AFR - Population*: 39,710							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.00	0.20	-100	0.0000
United Arab Emirates - Date Reported: 7-Sep-2016 A5 ASIA - Population*: 5,193							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	473.97	557.10	-14.92	0.0913
United Republic of Tanzania - Date Reported: 13-May-2016 A5 AFR - Population*: 52,109							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	1.18	1.70	-30.59	0.0000
Uruguay - Date Reported: 1-Jul-2016 A5 LAC - Population*: 3,430							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	15.78	23.40	-32.56	0.0046
Vanuatu - Date Reported: 22-Aug-2016 A5 ASIA - Population*: 276							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	0.02	0.30	-93.33	0.0001
Venezuela (Bolivarian Republic of) - Date Reported: 30-Jun-2016 A5 LAC - Population*: 31,292							
Cl - Hydrochlorofluorocarbons (HCFCs)	37.21	123.10	-69.77	45.72	207.00	-77.91	0.0015
Viet Nam - Date Reported: 20-May-2016 A5 ASIA - Population*: 93,647							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	192.70	221.20	-12.88	0.0021
Yemen - Date Reported: 22-Jun-2017 A5 ASIA - Population*: 27,819							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	100.03	158.20	-36.77	0.0036

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AFR = Africa | ASIA = Asia | EEUR = Eastern Europe | LAC = Latin America & the Caribbean | WEUR = Western Europe & others

A5 = Article 5 Party | CEIT = Country with Economy in Transition | EU = Member of the European Union | Non-A5 = Non-Article 5 Party

Annex Vc - Production and Consumption of ODSs - Comparison of 2015 with**Baseline: Article 5 Parties (ODP Tonnes)**

	<u>PRODUCTION**</u>			<u>CONSUMPTION**</u>			Per Cap. Cons.
	2015	Base	% Chng	2015	Base	% Chng	
Zambia - Date Reported: 11-May-2016 A5 AFR - Population*: 14,980							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	3.03	5.00	-39.40	0.0002
Zimbabwe - Date Reported: 27-Apr-2016 A5 AFR - Population*: 14,029							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	14.16	17.80	-20.45	0.0010
TOTAL	24,533.23	158,476.40		25,627.54	171,714.17		

* Population in thousands

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** Consumption and Production numbers are rounded to a uniform number of decimal places.

Display of zero consumption or production has been suppressed for annex groups that have been phased out (namely annex A, groups I and II, annex B groups I, II and III, annex C groups II and III and E) to make it easier to view non-zero consumption.

- = Data Not Reported and Party has no Obligation to have Reported that data at this time.

N.R. = Data Not Reported but Party is required to have reported | DIV0 = Division was not evaluated due to a zero or negative base.

AFR = Africa | ASIA = Asia | EEU = Eastern Europe | LAC = Latin America & the Caribbean | WEUR = Western Europe & others

A5 = Article 5 Party | CEIT = Country with Economy in Transition | EU = Member of the European Union | Non-A5 = Non-Article 5 Party

Annex VIa - Production and Consumption of ODSs - Comparison of 2016 with**Baseline: Summary by region (ODP Tonnes)****Key**

- AI - Annex A, Group I (CFCs). Base for Article 5 parties is the average of 1995, 1996 and 1997. Base for non-Article 5 Parties is 1986.
 All - Annex A, Group II (Halons). Base for Article 5 parties is the average of 1995, 1996 and 1997. Base for non-Article 5 Parties is 1986.
 BI - Annex B, Group I (Other Halogenated CFCs). Base for Article 5 parties = average of 1998, 1999 and 2000. Base for non-Article 5 Parties is 1989.
 BII - Annex B, Group II (Carbon Tetrachloride). Base for Article 5 parties is the average of 1998, 1999 and 2000. Base for non-Article 5 Parties is 1989.
 BIII - Annex B, Group III (Methyl Chloroform). Base for Article 5 parties is the average of 1998, 1999 and 2000. Base for non-Article 5 Parties is 1989.
 CI - Annex C, Group I (HCFCs). Base for Article 5 parties is the average of 2009 and 2010. Base consumption for non-Article 5 Parties is 1989 consumption of HCFCs plus 2.8% of 1989 consumption of CFCs. Base production for non-Article 5 Parties is Average of 1989 HCFC production + 2.8% of 1989 CFC production and 1989 HCFC consumption + 2.8% of 1989 CFC consumption.
 CII - Annex C, Group II (HBFCs). Phase-out requirement was in 1996.
 CIII - Annex C, Group III (Bromochloromethane). Phase-out requirement was in 2002.
 EI - Annex E, Group I (Methyl Bromide). Base for Article 5 parties is the average of 1995, 1996, 1997 and 1998. Base for non-Article 5 Parties is 1991.

	PRODUCTION**			CONSUMPTION**			Per Cap. Cons.
	2016	Base	% Chng	2016	Base	% Chng	
All Parties 187 - Population*: 7,303,256							
AI - Chlorofluorocarbons (CFCs)	-1,385.7	1,124,768.6	-100.12	-1,387.9	1,048,205.4	-100.13	-0.0002
All - Halons	-311.8	231,127.8	-100.13	-311.8	207,824.5	-100.15	0.0000
BI - Other Fully Halogenated CFCs	-17.7	3,344.7	-100.53	-17.6	3,357.3	-100.52	0.0000
BII - Carbon Tetrachloride	-1,129.7	390,170.7	-100.29	-1,848.1	312,673.9	-100.59	-0.0003
BIII - Methyl Chloroform	-29.6	69,670.6	-100.04	-29.6	61,703.8	-100.05	0.0000
CI - Hydrochlorofluorocarbons (HCFCs)	25,656.23	74,062.40	-65.36	20,372.86	69,325.67	-70.61	0.0028
CII - Hydrobromofluorocarbons (HBFCs)	-28.5	0.0	-	-29.1	0.0	-	0.0000
CIII - Bromochloromethane	-3.6	0.0	-	-3.6	0.0	-	0.0000
EI - Methyl Bromide	540.4	40,407.4	-98.66	601.4	42,634.6	-98.59	0.0001
Sub-Total	23,290.03	1,933,552.20	-98.80	17,346.56	1,745,725.17	-99.01	
Africa 51 - Population*: 1,198,489							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	1,387.72	2,198.01	-36.86	0.0012
EI - Methyl Bromide	0.0	0.0	-100	74.6	2,682.6	-97.22	0.0001
Sub-Total	0.00	0.00	-100.00	1,462.32	4,880.61	-70.04	
Asia-Pacific 53 - Population*: 4,239,113							
AI - Chlorofluorocarbons (CFCs)	-144.0	199,239.4	-100	-144.0	231,257.2	-100	0.0000
BI - Other Fully Halogenated CFCs	-0.8	2,368.7	-100	-0.8	2,372.6	-100	0.0000
BII - Carbon Tetrachloride	238.2	65,504.6	-99.64	238.2	138,113.1	-99.83	0.0001
CI - Hydrochlorofluorocarbons (HCFCs)	24,479.16	37,623.10	-34.94	16,045.34	33,054.60	-51.46	0.0038
EI - Methyl Bromide	59.8	4,182.4	-98.57	59.8	5,939.0	-98.99	0.0000
Sub-Total	24,632.36	308,918.20	-92.03	16,198.54	410,736.50	-96.06	
Eastern Europe 22 - Population*: 338,024							
AI - Chlorofluorocarbons (CFCs)	-63.7	107,273.6	-100	0.0	109,899.8	-100	0.0000
BII - Carbon Tetrachloride	-331.5	124,414.0	-100	-253.0	103,323.0	-100	-0.0007
CI - Hydrochlorofluorocarbons (HCFCs)	113.90	4,645.30	-97.55	347.52	4,261.00	-91.84	0.0010
Sub-Total	-281.30	236,332.90	-100.00	94.52	217,483.80	-99.96	
Latin America and the Caribbean 32 - Population*: 635,548							
AI - Chlorofluorocarbons (CFCs)	-12.5	28,756.7	-100	-12.5	30,646.2	-100	0.0000
BII - Carbon Tetrachloride	0.0	11,629.6	-100	0.1	1,823.1	-99.99	0.0000
CI - Hydrochlorofluorocarbons (HCFCs)	276.90	1,044.70	-73.49	2,076.60	3,732.49	-44.36	0.0033
EI - Methyl Bromide	0.0	0.0	-100	127.1	3,834.5	-96.69	0.0002
Sub-Total	264.40	41,431.00	-99.36	2,191.30	40,036.29	-94.53	
Western Europe and Others 29 - Population*: 892,082							
AI - Chlorofluorocarbons (CFCs)	-1,165.5	788,956.6	-100	-1,231.4	661,776.9	-100	-0.0014
All - Halons	-311.8	129,949.0	-100	-311.8	111,886.5	-100	-0.0003
BI - Other Fully Halogenated CFCs	-16.9	676.0	-100	-16.8	634.5	-100	0.0000
BII - Carbon Tetrachloride	-1,036.4	188,622.5	-100	-1,833.4	69,097.0	-100	-0.0021
BIII - Methyl Chloroform	-29.6	53,524.1	-100	-29.6	42,289.1	-100	0.0000
CI - Hydrochlorofluorocarbons (HCFCs)	786.27	30,749.30	-97.44	515.68	26,079.57	-98.02	0.0006
CII - Hydrobromofluorocarbons (HBFCs)	-28.5	0.0	-100	-29.1	0.0	-100	0.0000
CIII - Bromochloromethane	-3.6	0.0	-100	-3.6	0.0	-100	0.0000
EI - Methyl Bromide	480.6	36,225.0	-98.67	339.9	30,131.0	-98.87	0.0004
Sub-Total	-1,325.43	1,228,702.50	-100.00	-2,600.12	941,894.57	-100.28	

* Population in thousands

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** Consumption and Production numbers are rounded to a uniform number of decimal places.

Display of zero consumption or production has been suppressed for annex groups that have been phased out (namely annex A, groups I and II, annex B groups I, II and III, annex C groups II and III and E) to make it easier to view non-zero consumption.

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N.R. = Data Not Reported but Party is required to have reported | DIV0 = Division was not evaluated due to a zero or negative base.

AFR = Africa | ASIA = Asia | EEUR = Eastern Europe | LAC = Latin America & the Caribbean | WEUR = Western Europe & others

A5 = Article 5 Party | CEIT = Country with Economy in Transition | EU = Member of the European Union | Non-A5 = Non-Article 5 Party

Annex Vlb - Production and Consumption of ODSs - Comparison of 2015 with**Baseline: Summary by region (ODP Tonnes)****Key**

- AI - Annex A, Group I (CFCs). Base for Article 5 parties is the average of 1995, 1996 and 1997. Base for non-Article 5 Parties is 1986.
 All - Annex A, Group II (Halons). Base for Article 5 parties is the average of 1995, 1996 and 1997. Base for non-Article 5 Parties is 1986.
 BI - Annex B, Group I (Other Halogenated CFCs). Base for Article 5 parties = average of 1998, 1999 and 2000. Base for non-Article 5 Parties is 1989.
 BII - Annex B, Group II (Carbon Tetrachloride). Base for Article 5 parties is the average of 1998, 1999 and 2000. Base for non-Article 5 Parties is 1989.
 BIII - Annex B, Group III (Methyl Chloroform). Base for Article 5 parties is the average of 1998, 1999 and 2000. Base for non-Article 5 Parties is 1989.
 CI - Annex C, Group I (HCFCs). Base for Article 5 parties is the average of 2009 and 2010. Base consumption for non-Article 5 Parties is 1989 consumption of HCFCs plus 2.8% of 1989 consumption of CFCs. Base production for non-Article 5 Parties is Average of 1989 HCFC production + 2.8% of 1989 CFC production and 1989 HCFC consumption + 2.8% of 1989 CFC consumption.
 CII - Annex C, Group II (HBFCs). Phase-out requirement was in 1996.
 CIII - Annex C, Group III (Bromochloromethane). Phase-out requirement was in 2002.
 EI - Annex E, Group I (Methyl Bromide). Base for Article 5 parties is the average of 1995, 1996, 1997 and 1998. Base for non-Article 5 Parties is 1991.

	PRODUCTION**			CONSUMPTION**			Per Cap. Cons.
	2015	Base	% Chng	2015	Base	% Chng	
All Parties 197 - Population*: 7,290,062							
AI - Chlorofluorocarbons (CFCs)	-1,455.8	1,124,768.6	-100.13	-1,493.0	1,052,292.9	-100.14	-0.0002
All - Halons	-316.9	231,127.8	-100.14	-316.8	208,928.7	-100.15	0.0000
BI - Other Fully Halogenated CFCs	-14.1	3,344.7	-100.42	-14.1	3,357.4	-100.42	0.0000
BII - Carbon Tetrachloride	-124.8	390,170.7	-100.03	-1,850.0	313,008.9	-100.59	-0.0003
BIII - Methyl Chloroform	-22.4	69,670.6	-100.03	-22.4	61,734.6	-100.04	0.0000
CI - Hydrochlorofluorocarbons (HCFCs)	25,882.10	74,174.70	-65.11	26,415.49	71,304.07	-62.95	0.0036
CII - Hydrobromofluorocarbons (HBFCs)	0.0	0.0	-	-0.5	0.0	-	0.0000
CIII - Bromochloromethane	-7.2	0.0	-	-7.2	0.0	-	0.0000
EI - Methyl Bromide	394.8	40,407.4	-99.02	322.9	42,844.0	-99.25	0.0000
Sub-Total	24,335.70	1,933,664.50	-98.74	23,034.39	1,753,470.57	-98.69	
Africa 54 - Population*: 1,160,923							
CI - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100	1,548.81	2,213.81	-30.04	0.0013
EI - Methyl Bromide	0.0	0.0	-100	-0.7	2,683.5	-100	0.0000
Sub-Total	0.00	0.00	-100.00	1,548.11	4,897.31	-68.39	
Asia-Pacific 56 - Population*: 4,283,393							
AI - Chlorofluorocarbons (CFCs)	-229.6	199,239.4	-100	-229.6	235,315.3	-100	-0.0001
BII - Carbon Tetrachloride	234.0	65,504.6	-99.64	234.0	138,448.1	-99.83	0.0001
CI - Hydrochlorofluorocarbons (HCFCs)	24,080.14	37,660.50	-36.06	21,377.47	35,016.60	-38.95	0.0050
EI - Methyl Bromide	68.3	4,182.4	-98.37	68.3	6,147.5	-98.89	0.0000
Sub-Total	24,152.84	306,586.90	-92.12	21,450.17	414,927.50	-94.83	
Eastern Europe 23 - Population*: 335,847							
AI - Chlorofluorocarbons (CFCs)	0.7	107,273.6	-100.00	60.0	109,899.8	-99.95	0.0002
BII - Carbon Tetrachloride	78.0	124,414.0	-99.94	0.0	103,323.0	-100	0.0000
CI - Hydrochlorofluorocarbons (HCFCs)	342.79	4,714.30	-92.73	409.27	4,261.00	-90.40	0.0012
Sub-Total	421.49	236,401.90	-99.82	469.27	217,483.80	-99.78	
Latin America and the Caribbean 33 - Population*: 612,697							
AI - Chlorofluorocarbons (CFCs)	-40.3	28,756.7	-100	-40.3	30,647.7	-100	-0.0001
CI - Hydrochlorofluorocarbons (HCFCs)	332.67	1,044.70	-68.16	2,478.07	3,732.89	-33.62	0.0040
EI - Methyl Bromide	0.0	0.0	-100	131.4	3,834.5	-96.57	0.0002
Sub-Total	292.37	29,801.40	-99.02	2,569.17	38,215.09	-93.28	
Western Europe and Others 31 - Population*: 897,202							
AI - Chlorofluorocarbons (CFCs)	-1,186.6	788,956.6	-100	-1,283.1	661,776.9	-100	-0.0014
All - Halons	-316.9	129,949.0	-100	-316.8	111,886.5	-100	-0.0004
BI - Other Fully Halogenated CFCs	-14.1	676.0	-100	-14.1	634.5	-100	0.0000
BII - Carbon Tetrachloride	-436.8	188,622.5	-100	-2,084.0	69,097.0	-100	-0.0023
BIII - Methyl Chloroform	-22.4	53,524.1	-100	-22.4	42,289.1	-100	0.0000
CI - Hydrochlorofluorocarbons (HCFCs)	1,126.50	30,755.20	-96.34	601.87	26,079.77	-97.69	0.0007
CII - Hydrobromofluorocarbons (HBFCs)	0.0	0.0	-100	-0.5	0.0	-100	0.0000
CIII - Bromochloromethane	-7.2	0.0	-100	-7.2	0.0	-100	0.0000
EI - Methyl Bromide	326.5	36,225.0	-99.10	123.9	30,131.0	-99.59	0.0001
Sub-Total	-531.00	1,228,708.40	-100.00	-3,002.33	941,894.77	-100.32	

* Population in thousands

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AFR = Africa | ASIA = Asia | EEU = Eastern Europe | LAC = Latin America & the Caribbean | WEUR = Western Europe & others

A5 = Article 5 Party | CEIT = Country with Economy in Transition | EU = Member of the European Union | Non-A5 = Non-Article 5 Party

Annex VIIa - Production, Import and Export of ODSs
Comparison of 2016 with Baseline (ODP Tonnes)
Key

- AI - Annex A, Group I (CFCs). Base for Article 5 parties is the average of 1995, 1996 and 1997. Base for non-Article 5 Parties is 1986.
 AII - Annex A, Group II (Halons). Base for Article 5 parties is the average of 1995, 1996 and 1997. Base for non-Article 5 Parties is 1986.
 BI - Annex B, Group I (Other Halogenated CFCs). Base for Article 5 parties = average of 1998, 1999 and 2000. Base for non-Article 5 Parties is 1989.
 BII - Annex B, Group II (Carbon Tetrachloride). Base for Article 5 parties is the average of 1998, 1999 and 2000. Base for non-Article 5 Parties is 1989.
 BIII - Annex B, Group III (Methyl Chloroform). Base for Article 5 parties is the average of 1998, 1999 and 2000. Base for non-Article 5 Parties is 1989.
 CI - Annex C, Group I (HCFCs). Base production for non-Article 5 Parties is Average of 1989 HCFC production + 2.8% of 1989 CFC production and 1989 HCFC consumption + 2.8% of 1989 CFC consumption.
 CII - Annex C, Group II (HBFCs).
 EI - Annex E, Group I (Methyl Bromide). Base for Article 5 parties is the average of 1995, 1996, 1997 and 1998. Base for non-Article 5 Parties is 1991.

	PRODUCTION			IMPORTS			EXPORTS		
	2016	Baseline	% Chng	2016	Baseline	% Chng	2016	Baseline	% Chng
All Parties 187	- Population*: 7,303,256								
AI - Chlorofluorocarbons (CFCs)	-1385.70	1124768.60	-100.0	1,419	144,838	-99.0	1,420	204,800	-99.3
AII - Halons	-311.80	231127.80	-100.0	0	31,861	-100.0	0	54,976	-100.0
BI - Other Fully Halogenated CFCs	-17.70	3344.70	-100.0	0	202	-100.0	0	190	-100.0
BII - Carbon Tetrachloride	-1129.70	390170.70	-100.0	1,514	165,228	-99.1	1,540	113,747	-98.6
BIII - Methyl Chloroform	-29.60	69670.60	-100.0	0	9,403	-100.0	0	16,767	-100.0
CI - Hydrochlorofluorocarbons (HCFCs)	25656.23	74062.40	-65.4	11,173	14,372	-22.3	16,504	16,167	2.1
CII - Hydrobromofluorocarbons (HBFCs)	-28.50	0.00	0.0	1	1	22.7	1	0	-
CIII - Bromochloromethane	-3.60	0.00	0.0	127	4	3530.0	123	4	3426.6
EI - Methyl Bromide	540.40	40407.40	-98.7	3,436	23,956	-85.7	3,618	19,533	-81.5
Sub-Total	23,290	1,933,552		17,670	389,866		23,206	426,184	
Article 5 Parties 141	- Population*: 6,028,042								
AI - Chlorofluorocarbons (CFCs)	-16.00	108540.60	-100.0	0	90,125	-100	1,416	36,041	-96.1
AII - Halons	0.00	44959.80	-100.0	0	6,714	-100	0	7,055	-100
BI - Other Fully Halogenated CFCs	0.00	26.70	-100.0	0	150	-100	0	97	-100
BII - Carbon Tetrachloride	219.70	57532.20	-99.6	1,141	91,083	-98.7	0	14,838	-100.0
BIII - Methyl Chloroform	0.00	152.90	-100.0	0	2,632	-100	0	377	-100
CI - Hydrochlorofluorocarbons (HCFCs)	24717.09	32988.90	-25.1	8,262	13,641	-39.4	15,696	13,888	13.0
CII - Hydrobromofluorocarbons (HBFCs)	0.00	0.00	-100.0	1	1	-51.8	0	0	-100
CIII - Bromochloromethane	0.00	0.00	-100.0	35	4	904.9	0	4	-100
EI - Methyl Bromide	59.80	806.30	-92.6	2,373	10,609	-77.6	1,043	160	551.0
Sub-Total	24,981	245,007		11,811	214,958		18,156	72,459	
Non-Article 5 Parties 46	- Population*: 1,275,214								
AI - Chlorofluorocarbons (CFCs)	-1369.70	1016228.00	-100.0	1,419	54,714	-97.4	3	168,759	-100.0
AII - Halons	-311.80	186168.00	-100.0	0	25,147	-100	0	47,921	-100
BI - Other Fully Halogenated CFCs	-17.70	3318.00	-100.0	0	52	-100	0	93	-100
BII - Carbon Tetrachloride	-1349.40	332638.50	-100.0	374	74,145	-99.5	1,540	98,909	-98.4
BIII - Methyl Chloroform	-29.60	69517.70	-100.0	0	6,772	-100	0	16,391	-100
CI - Hydrochlorofluorocarbons (HCFCs)	939.14	41073.50	-97.7	2,911	731	298.2	808	2,279	-64.5
CII - Hydrobromofluorocarbons (HBFCs)	-28.50		-100.0	1		-	1		-
CIII - Bromochloromethane	-3.60		-100.0	92		-	123		-
EI - Methyl Bromide	480.60	39601.10	-98.8	1,063	13,348	-92.0	2,575	19,373	-86.7
Sub-Total	-1,691	1,688,545		5,859	174,908		5,050	353,725	

Annex VIIb - Production, Import and Export of ODSs**Comparison of 2015 with Baseline (ODP Tonnes)**

	<u>PRODUCTION</u>			<u>IMPORTS</u>			<u>EXPORTS</u>		
	2015	Baseline	% Chng	2015	Baseline	% Chng	2015	Baseline	% Chng
All Parties 197 - Population*: 7,290,062									
AI - Chlorofluorocarbons (CFCs)	-1455.80	1124768.60	-100.0	1,064	148,926	-99.3	944	204,800	-99.5
AII - Halons	-316.90	231127.80	-100.0	0	32,966	-100.0	0	54,976	-100.0
BI - Other Fully Halogenated CFCs	-14.10	3344.70	-100.0	0	203	-100.0	0	190	-100.0
BII - Carbon Tetrachloride	-124.80	390170.70	-100.0	1,642	165,563	-99.0	1,602	113,747	-98.6
BIII - Methyl Chloroform	-22.40	69670.60	-100.0	0	9,434	-100.0	0	16,767	-100.0
CI - Hydrochlorofluorocarbons (HCFCs)	25882.10	74174.70	-65.1	12,720	16,281	-21.9	12,231	16,167	-24.3
CII - Hydrobromofluorocarbons (HBFCs)	0.00	0.00	0.0	3	1	140.0	2	0	-
CIII - Bromochloromethane	-7.20	0.00	0.0	103	4	2856.6	130	4	3609.4
EI - Methyl Bromide	394.80	40407.40	-99.0	3,408	24,166	-85.9	3,549	19,533	-81.8
Sub-Total	24,336	1,933,665		18,941	397,543		18,458	426,184	
Article 5 Parties 147 - Population*: 5,986,925									
AI - Chlorofluorocarbons (CFCs)	-89.90	108540.60	-100.0	0	92,433	-100	941	36,041	-97.4
AII - Halons	0.00	44959.80	-100.0	0	7,786	-100	0	7,055	-100
BI - Other Fully Halogenated CFCs	0.00	26.70	-100.0	0	150	-100	0	97	-100
BII - Carbon Tetrachloride	219.80	57532.20	-99.6	0	91,342	-100.0	0	14,838	-100.0
BIII - Methyl Chloroform	0.00	152.90	-100.0	0	2,661	-100	0	377	-100
CI - Hydrochlorofluorocarbons (HCFCs)	24335.03	32988.90	-26.2	10,644	15,544	-31.5	11,149	13,888	-19.7
CII - Hydrobromofluorocarbons (HBFCs)	0.00	0.00	-100.0	1	1	31.8	0	0	-100
CIII - Bromochloromethane	0.00	0.00	-100.0	1	4	-84.9	0	4	-100
EI - Methyl Bromide	68.30	806.30	-91.5	2,306	10,814	-78.7	969	160	505.2
Sub-Total	24,533	245,007		12,952	220,736		13,059	72,459	
Non-Article 5 Parties 50 - Population*: 1,303,137									
AI - Chlorofluorocarbons (CFCs)	-1365.90	1016228.00	-100.0	1,064	56,493	-98.1	3	168,759	-100.0
AII - Halons	-316.90	186168.00	-100.0	0	25,179	-100	0	47,921	-100
BI - Other Fully Halogenated CFCs	-14.10	3318.00	-100.0	0	52	-100	0	93	-100
BII - Carbon Tetrachloride	-344.60	332638.50	-100.0	1,642	74,221	-97.8	1,602	98,909	-98.4
BIII - Methyl Chloroform	-22.40	69517.70	-100.0	0	6,773	-100	0	16,391	-100
CI - Hydrochlorofluorocarbons (HCFCs)	1547.07	41185.80	-96.2	2,076	737	181.6	1,083	2,279	-52.5
CII - Hydrobromofluorocarbons (HBFCs)	0.00		-100.0	1		-	2		-
CIII - Bromochloromethane	-7.20		-100.0	103		-	130		-
EI - Methyl Bromide	326.50	39601.10	-99.2	1,103	13,352	-91.7	2,580	19,373	-86.7
Sub-Total	-198	1,688,657		5,989	176,807		5,399	353,725	

Annex VIIIa - Import and Export of New and Recovered ODSs in 2016 (ODP Tonnes)

	<u>IMPORTS</u>		<u>EXPORTS</u>	
	<u>New</u>	<u>Recovered</u>	<u>New</u>	<u>Recovered</u>
All Parties - Population*: 1,903,198				
AI - Chlorofluorocarbons (CFCs) (8 Parties)	1,419	4	1,420	7
AII - Halons (14 Parties)	0	1,315	0	1,587
BI - Other Fully Halogenated CFCs (1 Party)	0	0	0	0
BII - Carbon Tetrachloride (9 Parties)	1,514	0	1,540	0
BIII - Methyl Chloroform (2 Parties)	0	0	0	0
CI - Hydrochlorofluorocarbons (HCFCs) (154 Parties)	11,173	24	16,504	53
CII - Hydrobromofluorocarbons (HBFCs) (4 Parties)	1	0	1	0
CIII - Bromochloromethane (9 Parties)	127	0	123	0
EI - Methyl Bromide (51 Parties)	3,436	0	3,618	0
Sub-Total	17,670	1,343	23,206	1,648
Article 5 Parties - Population*: 1,382,323				
AI - Chlorofluorocarbons (CFCs) (1 Party)	0	0	1,416	0
AII - Halons (5 Parties)	0	46	0	346
BII - Carbon Tetrachloride (4 Parties)	1,141	0	0	0
CI - Hydrochlorofluorocarbons (HCFCs) (136 Parties)	8,262	0	15,696	0
CII - Hydrobromofluorocarbons (HBFCs) (1 Party)	1	0	0	0
CIII - Bromochloromethane (2 Parties)	35	0	0	0
EI - Methyl Bromide (41 Parties)	2,373	0	1,043	0
Sub-Total	11,811	46	18,156	346
Non-Article 5 Parties - Population*: 520,875				
AI - Chlorofluorocarbons (CFCs) (7 Parties)	1,419	4	3	7
AII - Halons (9 Parties)	0	1,269	0	1,241
BI - Other Fully Halogenated CFCs (1 Party)	0	0	0	0
BII - Carbon Tetrachloride (5 Parties)	374	0	1,540	0
BIII - Methyl Chloroform (2 Parties)	0	0	0	0
CI - Hydrochlorofluorocarbons (HCFCs) (18 Parties)	2,911	24	808	53
CII - Hydrobromofluorocarbons (HBFCs) (3 Parties)	1	0	1	0
CIII - Bromochloromethane (7 Parties)	92	0	123	0
EI - Methyl Bromide (10 Parties)	1,063	0	2,575	0
Sub-Total	5,859	1,297	5,050	1,301

Annex VIIIb - Import and Export of New and Recovered ODSs in 2015 (ODP Tonnes)

	<u>IMPORTS</u>		<u>EXPORTS</u>	
	<u>New</u>	<u>Recovered</u>	<u>New</u>	<u>Recovered</u>
All Parties - Population*: 1,956,412				
AI - Chlorofluorocarbons (CFCs) (10 Parties)	1,064	11	944	33
AII - Halons (13 Parties)	0	1,401	0	1,491
BI - Other Fully Halogenated CFCs (1 Party)	0	0	0	0
BII - Carbon Tetrachloride (6 Parties)	1,642	0	1,602	0
BIII - Methyl Chloroform (1 Party)	0	0	0	0
CI - Hydrochlorofluorocarbons (HCFCs) (161 Parties)	12,720	25	12,231	38
CII - Hydrobromofluorocarbons (HBFCs) (4 Parties)	3	0	2	0
CIII - Bromochloromethane (6 Parties)	103	0	130	0
EI - Methyl Bromide (50 Parties)	3,408	0	3,549	0
Sub-Total	18,941	1,438	18,458	1,563
Article 5 Parties - Population*: 1,422,923				
AI - Chlorofluorocarbons (CFCs) (2 Parties)	0	0	941	1
AII - Halons (5 Parties)	0	83	0	125
BII - Carbon Tetrachloride (2 Parties)	0	0	0	0
CI - Hydrochlorofluorocarbons (HCFCs) (144 Parties)	10,644	0	11,149	0
CII - Hydrobromofluorocarbons (HBFCs) (1 Party)	1	0	0	0
CIII - Bromochloromethane (1 Party)	1	0	0	0
EI - Methyl Bromide (42 Parties)	2,306	0	969	0
Sub-Total	12,952	83	13,059	126
Non-Article 5 Parties - Population*: 533,489				
AI - Chlorofluorocarbons (CFCs) (8 Parties)	1,064	11	3	33
AII - Halons (8 Parties)	0	1,318	0	1,366
BI - Other Fully Halogenated CFCs (1 Party)	0	0	0	0
BII - Carbon Tetrachloride (4 Parties)	1,642	0	1,602	0
BIII - Methyl Chloroform (1 Party)	0	0	0	0
CI - Hydrochlorofluorocarbons (HCFCs) (17 Parties)	2,076	25	1,082	38
CII - Hydrobromofluorocarbons (HBFCs) (3 Parties)	1	0	2	0
CIII - Bromochloromethane (5 Parties)	103	0	130	0
EI - Methyl Bromide (8 Parties)	1,103	0	2,580	0
Sub-Total	5,989	1,354	5,399	1,437

Annex IXa - Recovered ODSs Imported and Exported by the Parties in 2016 (Tonnes)

Substance Name	Annex	Group	Recovered Import	Recovered Export
Article 5				
Benin				
HCFC-22	C	I	1.900	
Sub-total Benin			1.900	
Brazil				
HALON-1211	A	II	0.969	
HALON-1301	A	II	0.384	
Sub-total Brazil			1.353	
China				
HALON-1211	A	II	0.492	
HALON-1301	A	II	0.801	0.008
Sub-total China			1.293	0.008
India				
HALON-1301	A	II		18.134
Sub-total India			0.000	18.134
Republic of Korea				
HALON-1301	A	II		15.000
Sub-total Republic of Korea			0.000	15.000
Singapore				
HALON-1301	A	II	3.000	1.500
Sub-total Singapore			3.000	1.500
Sri Lanka				
HCFC-22	C	I	1.600	
Sub-total Sri Lanka			1.600	
Sub-total Article 5			9.146	34.642
Non-Article 5				
Andorra				
HCFC-22	C	I		3.730
Sub-total Andorra			0.000	3.730
Australia				
CFC-12	A	I	0.048	
HALON-1211	A	II	0.283	
HALON-1301	A	II	0.572	12.055
HCFC-22	C	I	4.065	
HCFC-141B	C	I	0.163	
Sub-total Australia			5.131	12.055
Canada				
CFC-11	A	I		0.093
CFC-12	A	I		4.049
CFC-113	A	I		0.148
CFC-114	A	I		0.218
CFC-115	A	I		2.583
HALON-1301	A	II		1.786
HCFC-22	C	I	384.631	50.069
HCFC-123**	C	I	2.452	2.865
HCFC-124**	C	I		1.408
HCFC-142B	C	I		0.233
Sub-total Canada			387.083	63.452
European Union				
CFC-11	A	I	0.001	
CFC-12	A	I	0.001	
CFC-113	A	I	0.001	
HALON-1211	A	II		14.286
HALON-1301	A	II	16.600	33.941
HALON-2402	A	II		0.250
Carbon Tetrachloride	B	II	0.001	
1,1,1-trichloroethane (methyl chloro	B	III	0.001	
HCFC-22	C	I	21.134	832.416
HCFC-123**	C	I		0.450
HCFC-141B	C	I	0.001	
Bromochloromethane	C	III	0.001	
Methyl Bromide	E	I	0.001	
Sub-total European Union			37.742	881.343
Israel				
HALON-1211	A	II	0.700	
HALON-1301	A	II	3.334	
Sub-total Israel			4.034	

Annex IXa - Recovered ODSs Imported and Exported by the Parties in 2016 (Tonnes)

Substance Name	Annex	Group	Recovered Import	Recovered Export
Non-Article 5				
Liechtenstein				
HCFC-22	C	I		0.100
Sub-total Liechtenstein			0.000	0.100
New Zealand				
CFC-11	A	I		0.827
CFC-12	A	I		0.049
HALON-1211	A	II		0.479
HALON-1301	A	II		0.998
HCFC-22	C	I		24.064
HCFC-142B	C	I		0.163
Sub-total New Zealand			0.000	26.580
Norway				
CFC-12	A	I		0.410
CFC-115	A	I		0.238
HALON-1211	A	II	0.074	0.054
HALON-1301	A	II	0.163	0.103
CFC-13	B	I		0.082
HCFC-22	C	I		18.711
HCFC-124**	C	I		0.109
HCFC-142B	C	I		0.005
Sub-total Norway			0.237	19.712
Russian Federation				
HALON-1301	A	II	5.000	
HALON-2402	A	II		0.100
Sub-total Russian Federation			5.000	0.100
Switzerland				
HALON-1301	A	II		3.000
HCFC-22	C	I		25.000
Sub-total Switzerland			0.000	28.000
United States of America				
CFC-12	A	I	2.700	
CFC-113	A	I	0.100	
CFC-114	A	I	0.100	
CFC-115	A	I	1.700	
HALON-1211	A	II	0.100	1.200
HALON-1301	A	II	100.900	67.200
HCFC-22	C	I	22.300	3.500
HCFC-123**	C	I	1.800	2.400
HCFC-124**	C	I	0.900	
HCFC-142B	C	I	0.200	
Sub-total United States of America			130.800	74.300
Sub-total Non-Article 5			570.027	1,109.372
Total for 2016			579.173	1,144.014

Annex IXb - Recovered ODSs Imported and Exported by the Parties in 2015 (Tonnes)

Substance Name	Annex	Group	Recovered Import	Recovered Export
Article 5				
Benin				
HCFC-22	C	I	1.200	
Sub-total Benin			1.200	
Brazil				
HALON-1211	A	II	1.289	
HALON-1301	A	II	0.199	
Sub-total Brazil			1.488	
China				
HALON-1211	A	II	0.606	
HALON-1301	A	II	2.406	0.008
Sub-total China			3.012	0.008
Dominican Republic				
HCFC-22	C	I	0.860	
Sub-total Dominican Republic			0.860	
Ghana				
Other Substances and Mixtures	-	-		0.596
CFC-12	A	I		0.678
Sub-total Ghana			0.000	1.274
India				
HALON-1301	A	II		12.500
Sub-total India			0.000	12.500
Jordan				
HALON-1211	A	II	0.500	
Sub-total Jordan			0.500	
Micronesia (Federated States of)				
HCFC-22	C	I	0.005	
Sub-total Micronesia (Federated States of)			0.005	
Singapore				
HALON-1301	A	II	5.000	
Sub-total Singapore			5.000	
Sub-total Article 5			12.065	13.782
Non-Article 5				
Australia				
CFC-12	A	I	0.029	
CFC-113	A	I	0.036	
HALON-1211	A	II	0.629	
HALON-1301	A	II	0.200	
HCFC-22	C	I	5.084	
HCFC-123**	C	I	0.083	
HCFC-124**	C	I	0.015	
HCFC-141B	C	I	0.162	
HCFC-142B	C	I	0.037	
Sub-total Australia			6.275	
Canada				
CFC-11	A	I		0.568
CFC-12	A	I		9.206
CFC-113	A	I		1.942
CFC-114	A	I		0.375
CFC-115	A	I		2.387
HCFC-22	C	I	417.962	29.542
HCFC-123**	C	I	2.452	12.873
HCFC-124**	C	I		1.837
HCFC-142B	C	I		0.315
Sub-total Canada			420.414	59.045

Annex IXb - Recovered ODSs Imported and Exported by the Parties in 2015 (Tonnes)

Substance Name	Annex	Group	Recovered Import	Recovered Export
Non-Article 5				
European Union				
CFC-11	A	I	0.001	
CFC-12	A	I	0.001	
CFC-113	A	I	0.001	
HALON-1211	A	II		0.980
HALON-1301	A	II	10.945	34.952
HALON-2402	A	II	0.275	0.100
Carbon Tetrachloride	B	II	0.001	
1,1,1-trichloroethane (methyl chloro	B	III	0.001	
HCFC-22	C	I	5.330	557.603
HCFC-123**	C	I		1.092
HCFC-124**	C	I		2.365
HBFC-21B2 (CHFBr2)	C	II	0.001	
Bromochloromethane	C	III	0.001	
Methyl Bromide	E	I	0.001	
Sub-total European Union			16.558	597.092
Israel				
HALON-1211	A	II	0.175	
HALON-1301	A	II	10.965	
Sub-total Israel			11.140	
Monaco				
HCFC-22	C	I		0.370
Sub-total Monaco			0.000	0.370
New Zealand				
CFC-12	A	I		0.066
HALON-1211	A	II	0.439	
HALON-1301	A	II	1.028	
HCFC-22	C	I		5.078
HCFC-123**	C	I		0.084
HCFC-124**	C	I		0.015
HCFC-142B	C	I		0.183
Sub-total New Zealand			1.467	5.426
Norway				
CFC-11	A	I		12.384
CFC-12	A	I		7.070
CFC-115	A	I		0.276
HALON-1211	A	II	0.120	0.029
HALON-1301	A	II	0.099	0.064
CFC-13	B	I		0.012
HCFC-22	C	I		56.323
HCFC-124**	C	I		0.155
HCFC-142B	C	I		0.019
Sub-total Norway			0.219	76.332
Russian Federation				
HALON-1301	A	II	3.750	
Sub-total Russian Federation			3.750	
Switzerland				
HALON-1301	A	II		6.000
Sub-total Switzerland			0.000	6.000
United States of America				
CFC-11	A	I	0.300	
CFC-12	A	I	8.400	
CFC-113	A	I	1.200	
CFC-114	A	I	0.300	
CFC-115	A	I	2.200	
HALON-1211	A	II	0.100	0.600
HALON-1301	A	II	104.200	94.900
HALON-2402	A	II		0.300
HCFC-22	C	I	25.000	26.400
HCFC-123**	C	I	9.000	
HCFC-124**	C	I	1.600	
HCFC-142B	C	I	0.300	
Sub-total United States of America			152.600	122.200
Sub-total Non-Article 5			612.423	866.465
Total for 2015			624.488	880.247

Annex Xa: Laboratory and Analytical Uses of ODSs in 2016 (Tonnes)

Substance Name	Annex	Group	Production	Consumption
Australia				
Carbon Tetrachloride	B	II		0.000430000
1,1,1-trichloroethane (methyl chloroform)	B	III		0.001000000
Sub-total for Australia				0.001430000
Canada				
CFC-11	A	I		0.001790100
CFC-12	A	I		0.000000600
CFC-113	A	I		0.000000400
CFC-114	A	I		0.000318100
CFC-115	A	I		0.001000000
Carbon Tetrachloride	B	II		0.178130000
1,1,1-trichloroethane (methyl chloroform)	B	III		0.000015300
HCFC-21	C	I		0.000000200
HCFC-22	C	I		0.000011900
HCFC-123**	C	I		0.000000400
HBFC-22B1	C	II		0.000000100
Bromochloromethane	C	III		0.004955100
Methyl Bromide	E	I		0.001350000
Sub-total for Canada				0.187572200
China				
CFC-11	A	I		0.000894037
CFC-12	A	I		0.000000025
CFC-113	A	I		0.000000043
HALON-1301	A	II		0.000000002
Carbon Tetrachloride	B	II	200.00000	0.000317236
1,1,1-trichloroethane (methyl chloroform)	B	III		0.000002993
HCFC-21	C	I		0.000000002
Bromochloromethane	C	III		0.000001044
Methyl Bromide	E	I		0.000000034
Sub-total for China			200.00000	0.001215416
European Union				
CFC-11	A	I		0.015000000
CFC-12	A	I		0.001000000
CFC-113	A	I		3.901000000
HALON-1211	A	II		0.001000000
HALON-1301	A	II		
Carbon Tetrachloride	B	II		0.618000000
1,1,1-trichloroethane (methyl chloroform)	B	III		0.001000000
HCFC-141B	C	I		0.011000000
HCFC-233	C	I		0.001000000
HCFC-252	C	I		0.004000000
HCFC-242	C	I		0.001000000
HBFC-21B2 (CHFBr2)	C	II		0.001000000
Bromochloromethane	C	III		0.001000000
Methyl Bromide	E	I		0.001000000
Sub-total for European Union				4.557000000
France				
HALON-1301	A	II	0.02500	
Sub-total for France			0.02500	
Germany				
HALON-1301	A	II	0.00500	
Sub-total for Germany			0.00500	
Israel				
Carbon Tetrachloride	B	II		0.003000000
Sub-total for Israel				0.003000000

Annex Xa: Laboratory and Analytical Uses of ODSs in 2016 (Tonnes)

Substance Name	Annex	Group	Production	Consumption
Japan				
CFC-113	A	I		0.000012000
Carbon Tetrachloride	B	II	16.80000	0.000003043
1,1,1-trichloroethane (methyl chloroform)	B	III		0.000003575
Methyl Bromide	E	I	0.00500	0.000000004
Sub-total for Japan			16.80500	0.000018622
Mexico				
Carbon Tetrachloride	B	II		0.056000000
Bromochloromethane	C	III		0.010000000
Sub-total for Mexico				0.066000000
Republic of Korea				
Carbon Tetrachloride	B	II		0.003059500
Sub-total for Republic of Korea				0.003059500
San Marino				
Carbon Tetrachloride	B	II		0.000001594
Sub-total for San Marino				0.000001594
United States of America				
Carbon Tetrachloride	B	II	4.10000	
Sub-total for United States of America			4.10000	
Total for 2016			220.93500	4.819297332

Annex Xb: Laboratory and Analytical Uses of ODSs in 2015 (Tonnes)

Substance Name	Annex	Group	Production	Consumption
Canada				
CFC-11	A	I		0.001338100
CFC-12	A	I		0.000000700
CFC-113	A	I		0.000000400
CFC-114	A	I		0.000000400
Carbon Tetrachloride	B	II		0.249861060
1,1,1-trichloroethane (methyl chloroform)	B	III		0.000007200
HCFC-21	C	I		0.000000200
HCFC-22	C	I		0.000011900
HCFC-123**	C	I		0.000002800
HBFC-21B2 (CHFBr2)	C	II		0.000000100
Bromochloromethane	C	III		0.000994000
Methyl Bromide	E	I		0.000900100
Sub-total for Canada				0.253116960
China				
CFC-11	A	I		0.000000429
CFC-113	A	I		0.000000420
CFC-114	A	I		0.000000001
CFC-115	A	I		0.000000001
CFC-12	A	I		0.000000013
HALON-1301	A	II		0.000000001
HALON-2402	A	II		0.000000000
HALON-1211	A	II		0.000000000
CFC-13	B	I		0.000000001
Carbon Tetrachloride	B	II	200.00000	0.000002535
1,1,1-trichloroethane (methyl chloroform)	B	III		0.000002796
HCFC-123**	C	I		0.000000000
HCFC-124**	C	I		0.000000000
HCFC-141B	C	I		0.000000000
HCFC-142B	C	I		0.000000001
HCFC-21	C	I		0.000000003
HCFC-22	C	I		0.000100001
HBFC-22B1	C	II		0.000000014
Bromochloromethane	C	III		0.000000026
Methyl Bromide	E	I		0.000000126
Sub-total for China			200.00000	0.000106368
European Union				
CFC-11	A	I		0.024000000
CFC-12	A	I		0.002000000
CFC-113	A	I		3.902000000
CFC-114	A	I		0.001000000
HALON-1301	A	II		
CFC-13	B	I		
Carbon Tetrachloride	B	II		0.912000000
1,1,1-trichloroethane (methyl chloroform)	B	III		0.002000000
HCFC-235	C	I		0.001000000
HCFC-141B	C	I		0.014000000
HCFC-22	C	I		0.001000000
HCFC-21	C	I		0.001000000
HCFC-244	C	I		0.004000000
HCFC-252	C	I		0.001000000
HBFC-142B1 (C2H3F2Br)	C	II		0.001000000
HBFC-21B2 (CHFBr2)	C	II		0.001000000
HBFC-31B1 (CH2FBr)	C	II		
Bromochloromethane	C	III		0.002000000
Methyl Bromide	E	I		0.002000000
Sub-total for European Union				4.871000000
France				
HALON-1301	A	II	0.02000	

Annex Xb: Laboratory and Analytical Uses of ODSs in 2015 (Tonnes)

Substance Name	Annex	Group	Production	Consumption
Sub-total for France			0.02000	
Israel				
Carbon Tetrachloride	B	II		0.013000000
Sub-total for Israel				0.013000000
Japan				
CFC-113	A	I		0.001000000
Carbon Tetrachloride	B	II	12.90000	0.000002829
1,1,1-trichloroethane (methyl chloroform)	B	III		0.000003261
Methyl Bromide	E	I	0.02100	0.000000002
Sub-total for Japan			12.92100	0.001006092
Mexico				
Carbon Tetrachloride	B	II		0.025000000
Sub-total for Mexico				0.025000000
Norway				
CFC-12	A	I		0.000232600
HCFC-22	C	I		0.000094400
Sub-total for Norway				0.000327000
Switzerland				
CFC-113	A	I		0.100000000
Sub-total for Switzerland				0.100000000
United States of America				
Carbon Tetrachloride	B	II	4.40000	
Sub-total for United States of America			4.40000	
Total for 2015			217.34100	5.263556420

Annex XI: Consolidated record of cases of excess production or consumption attributable to stockpiling in accordance with decisions XVIII/17 and XXII/20 – Last updated October 2017

<i>Year</i>	<i>Party</i>	<i>Annex group</i>	<i>Deviation due to stockpiling ODP-tonnes</i>	<i>Expected use for the stockpile resulting in deviation</i>
2016	Israel	E/I	245.2	Feedstock uses or for export for feedstock
2016	USA	C/II	0.7	Destruction
		E/I	18.2	Exports for Critical Uses
2015	Czech Republic	B/II	78.0	Destruction: Unintentional by-production
2015	European Union	B/II	91.0	Destruction: Unintentional by-production
2014	France	B/II	29.6	Destruction: Unintentional by-production
2014	Israel	C/III	17.3	Export for feedstock in future years
2013	European Union	C/II	0.2	Feedstock use in future years
2013	France	B/II	131.7	Destruction: Unintentional by-production.
		C/III	3.5	Export for feedstock in future years
2013	Israel	E/I	659.5	Export for basic domestic needs of Article 5 parties - to be exported in 2014
		E/I	15.4	Exports for Critical Uses
2012	European Union	B/II	1075.3	Unintentional production - to be Destroyed in future years
			786.5	Production for feedstock - for export in future years.
2012	France	B/II	1,940.1	Destruction: Unintentional by-production.
2012	Israel	E/I	649.4	Export for basic domestic needs of Article 5 parties - to be exported in 2013
2012	United States of America	E/I	5.8	Exports for Critical Uses
2011	Germany	B/II	1,677.5	Destruction: Unintentional by-production.
2011	Israel	C/III	14	Export for feedstock – was exported in 2012
2011	United States of America	E/I	166.2	BDN 153.8 ODP-t and Export for critical uses 12.4 ODP t
2010	India	A/I	24.4	Destruction
2010	Israel	E/I	13.8	Feedstock
2010	United States of America	E/I	16.5	Export for critical uses - was exported in 2011
			445.9	Export for basic domestic needs of Article 5 parties
2009	Israel	E/I	284.2	Operational reserve. Was included in 2010 exports
2009	United Kingdom of Great Britain and Northern Ireland	C/II	1.2	Export for feedstock in future years
2008	European Union	C/II	0.4	Feedstock uses or for export for feedstock
		E/I	90.7	Exported in subsequent years.
2007	China	B/I	0.1	Export for basic domestic needs of Article 5 parties
2007	Romania	B/II	34.6	Destruction
2007	United Kingdom	B/II	1,901.9	Destruction/feedstock uses or for export for feedstock
		C/II	2.7	Destruction
2007	United States	E/I	17.5	Export for basic domestic needs of Article 5 parties
		E/I	17.5	Export for basic domestic needs of Article 5 parties
2006	Czech Republic	B/II	67.4	Destruction
2006	India	A/I	219.8	Export for basic domestic needs of Article 5 parties
2006	Spain	B/II	136.4	Destruction
2006	United Kingdom	B/II	2,214.3	Destruction or feedstock uses or for export for feedstock
2006	Venezuela (Bolivarian Republic of)	A/I	985.1	Export for basic domestic needs of Article 5 parties
2005	Venezuela (Bolivarian Republic of)	A/I	190.0	Feedstock uses or for export for feedstock
2004	Netherlands	B/I	2.0	Destruction
2004	United States	B/III	0.5	Export for basic domestic needs of Article 5 parties
		E/I	1,986.2	
2003	Czech Republic	B/II	94.6	Destruction
2003	Germany	A/I	118.8	Feedstock uses or for export for feedstock
2003	Russian Federation	B/II	40.4	Feedstock uses or for export for feedstock

<i>Year</i>	<i>Party</i>	<i>Annex group</i>	<i>Deviation due to stockpiling ODP-tonnes</i>	<i>Expected use for the stockpile resulting in deviation</i>
2003	United States	B/III	1.6	Export for basic domestic needs of Article 5 parties
2002	Czech Republic	B/II	132.0	Destruction
2002	Netherlands	B/I	3.0	Destruction or feedstock uses or for export for feedstock
2001	United States	B/II	812.9	Export for basic domestic needs of Article 5 parties
		B/III	3.5	
2000	France	B/II	426.8	Export for basic domestic needs of Article 5 parties
2000	United States	A/I	0.8	Export for basic domestic needs of Article 5 parties
		B/III	287.8	
1999	Germany	A/I	99.8	Feedstock uses or for export for feedstock
1999	United States	A/I	0.8	Export for basic domestic needs of Article 5 parties
		B/III	241.2	

Note:

- Some of these explanations were derived from the data reports submitted by the parties concerned in accordance with Article 7 of the Protocol and recorded in the annual data report of the Ozone Secretariat to the Meeting of the Parties.
- The quantities are rounded to one decimal place.

Annex XII: Production of chlorofluorocarbons, halons, carbon tetrachloride and other phased-out substances (tonnes)

Year	Substances	Annex group	Number of parties of reporting	Total production for all uses and for exports (t)	Production for own feedstock uses (t)	Production for own essential uses (t)	Exported for feedstock uses (t)	Exported for essential uses of other parties (t)	Amounts destroyed by the producers (t)	Production for quarantine and pre-shipment uses (t)
2015	Chlorofluorocarbons (CFCs)	A/I	4	87,356	86,011	75	1,176	4	221	-
2015	Halons	A/II	2	871	871	-	-	-	22	-
2015	Carbon Tetrachloride	B/II	12	225,280	212,401	80	0	-	12,680	-
2015	Methyl Chloroform	B/III	2	85,122	85,122	-	-	-	224	-
2015	Hydrobromofluorocarbons	C/II	4	127	125	-	2	-	-	-
2015	Bromochloromethane	C/III	2	1,574	552	-	1,082	-	-	-
2015	Methyl Bromide	E/I	5	13,048	3,796	490	131	271	15	8,449
TOTALS				413,378	388,878	645	2,391	275	13,162	8,449
2014	Chlorofluorocarbons (CFCs)	A/I	4	169,923	168,355	262	1,143	121	221	-
2014	Halons	A/II	2	1,342	1,342	-	-	-	10	-
2014	Carbon Tetrachloride	B/II	11	227,143	213,222	-	1,201	1	12,495	-
2014	Hydrobromofluorocarbons	C/II	3	112	110	-	2	-	-	-
2014	Bromochloromethane	C/III	2	1,791	463	-	1,183	-	-	-
TOTALS				400,311	383,492	262	3,529	122	12,726	
2013	Chlorofluorocarbons (CFCs)	A/I	5	183,208	181,007	95	1,933	5	641	-
2013	Halons	A/II	2	2,142	2,086	-	56	-	2	-
2013	Carbon Tetrachloride	B/II	11	196,989	188,254	-	547	1	9,292	-
2013	Hydrobromofluorocarbons	C/II	3	66	65	-	1	-	0	-
2013	Bromochloromethane	C/III	2	1,992	496	-	1,467	-	0	-
TOTALS				384,397	371,908	95	4,004	6	9,935	
2012	Chlorofluorocarbons (CFCs)	A/I	3	221,798	219,275	566	1,368	229	823	-
2012	Halons	A/II	3	1,491	1,471	-	20	-	3	-
2012	Carbon Tetrachloride	B/II	11	200,442	192,083	-	435	-	6,713	-
2012	Hydrobromofluorocarbons	C/II	3	78	78	-	-	-	-	-
2012	Bromochloromethane	C/III	2	1,463	496	-	1,098	-	-	-
TOTALS				425,272	413,403	566	2,921	229	7,539	
2011	Chlorofluorocarbons (CFCs)	A/I	3	186,957	185,195	698	648	238	1,053	-
2011	Halons	A/II	3	1,270	1,270	-	-	-	6	-
2011	Carbon Tetrachloride	B/II	11	204,192	194,004	-	496	-	8,827	-
2011	Hydrobromofluorocarbons	C/II	2	72	72	-	-	-	-	-
2011	Bromochloromethane	C/III	2	1,782	514	-	1,151	-	-	-
TOTALS				394,273	381,055	698	2,295	238	9,886	
2010	Chlorofluorocarbons (CFCs)	A/I	4	214,996	212,882	1,379	172	239	584	-
2010	Halons	A/II	2	900	900	-	-	-	5	-
2010	Carbon Tetrachloride	B/II	11	189,231	178,088	-	434	-	10,954	-
2010	Hydrobromofluorocarbons	C/II	2	29	29	-	-	-	-	-
2010	Bromochloromethane	C/III	2	2,361	764	-	1,597	-	-	-
TOTALS				407,517	392,663	1,379	2,203	239	11,543	

Annex XIII: Reported Feedstock uses of ODSs in tonnes

Annex\Year	2002 t	2003 t	2004 t	2005 t	2006 t	2007 t	2008 t	2009 t	2010 t	2011 t	2012 t	2013 t	2014 t	2015 t
AI	220,869	226,678	241,302	264,860	166,388	240,357	213,797	208,835	214,079	187,219	222,143	182,925	170,770	87,337
AII	430	408	624	686	741	855	1,202	758	900	1,270	1,471	2,163	1,342	871
BI	-	-	-	-	534	605	336	0.1	24	0.1	-	-	-	-
BII	175,110	160,979	178,537	178,043	164,755	158,574	164,797	144,728	178,968	194,620	192,642	188,872	214,483	213,893
BIII	210,648	154,043	150,146	141,303	125,971	87,759	108,966	99,274	116,723	110,926	101,521	107,259	105,323	85,122
CI	242,651	283,990	325,843	347,655	366,413	375,216	448,314	393,926	536,674	656,586	647,750	686,309	711,730	688,866
CH	1	2	16	18	37	26	42	59	29	72	78	66	112	129
CIII	251	444	259	1,511	2,881	1,206	1,213	1,170	1,638	1,354	1,174	1,272	1,292	1,415
EI	4,900	7,670	9,024	5,984	5,252	6,065	6,810	7,326	7,411	4,948	4,204	5,797	4,462	4,072
TOTAL	854,859	834,214	905,752	940,060	832,972	870,663	945,476	856,075	1,056,446	1,156,995	1,170,983	1,174,663	1,209,515	1,081,704

NB: Feedstock uses is the sum of production for feedstock uses within a party and imports for feedstock uses within the same party

Annex XIV: Number of Parties Reporting Feedstock uses of ODSs

Annex\Year	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
AI	4	5	5	5	7	7	5	4	5	4	5	4	4	5
AII	1	1	2	2	2	2	2	2	2	3	2	2	2	2
BI	-	-	-	-	1	2	1	1	1	1	-	-	-	-
BII	15	13	12	13	12	10	8	9	8	7	7	7	7	7
BIII	4	4	4	4	5	3	4	3	2	2	2	2	2	2
CI	9	8	7	8	8	11	8	10	8	8	8	9	10	9
CH	2	3	2	2	2	2	3	3	3	3	5	4	5	4
CIII	1	1	3	3	3	5	4	4	5	4	3	5	5	4
EI	8	9	6	9	7	7	8	9	8	8	8	10	6	8
TOTAL*	21	20	15	17	15	16	12	14	13	12	13	13	14	14

** TOTAL represents the number of unique (different) Parties reporting uses of all ODS for feedstock purposes.*

Annex XV: Consumption of methyl bromide for quarantine and pre-shipment uses reported by Parties (in tonnes)

Party	2000 t	2001 t	2002 t	2003 t	2004 t	2005 t	2006 t	2007 t	2008 t	2009 t	2010 t	2011 t	2012 t	2013 t	2014 t	2015 t
Algeria	9.0															
Argentina	45	32			32	38	36	38	38	39	31	39	59	125	69	40
Australia	516	468	415	440	388	358	355	288	401	502	472	689	676	618	489	864
Bahrain	3.0	2.0	2.0	1.6	1.5	5.0	3.8	3.5	3.5	2.5	4.9	4.9		1.0	4.0	0.5
Barbados									0.1	0.2			0.2			
Belarus									1.0							
Belize									0.1	0.1	0.1		0.1			
Bolivia (Plurinational State of)					1.7			0.2	0.4							
Brazil				52	107		351	133	122	56	132	84	74	89	73	56
Bulgaria	10	5.0	5.0	5.0	5.0	5.0										
Cameroon						20	10	21	21	21	21	23	23	35	20	15
Canada	20	25	20	12	20	22	17	5.3	21	17	3.4	1.4	1.8	0.4	1.0	0.5
Chile	70	100	77	114	109	115	89	86	189	26	144	22	108	64	89	58
China	223	121	1,118	1,290	1,202	2,121	1,405	1,855	1,236	1,073	1,259	1,174	1,094	1,102	1,125	932
Colombia					12	18										
Costa Rica	200	200	88		6.0	30	2.9			1.6	4.0	5.0	4.9	7.5		1.7
Côte d'Ivoire					16	23					7.0			5.0		5
Croatia						1.0	0.3									
Cuba		5.1					2.0	1.5	1.5	0.5	0.5	1.5				
Czech Republic	3.0	1.3	1.2													
Dominican Republic								6.0	23	8.0	25	26	29	30	21	30
Ecuador									17							
Egypt			200	53	89	160	150	138	312	379	309	205	439	238	226	278
El Salvador	6.2	11	14		23	13	46	46	64	70	107	165	110	189	157	200
Eritrea	0.1															
Estonia		0.2	0.1													
Ethiopia	9.0	10	10	10	10	12										
European Union	2,855	830	800	758	880	586	342	193	195	53						
Fiji	5.9		8.5	2.5	3.7	5.4	6.9	9.5	11	6.4	13	15	16	12	14	25
Georgia		2.5				12	10		1.0	2.0	1.5	0.8				
Guatemala				15	33	54	49	48	34	27	16	47	37	24	48	47
Honduras		7.6	8.0	5.6	14	17	11	7.0	8.0	12	12	9.3	21	18	23	23
Hungary	2.7	19	3.0	8.1												
India	308	295	114		382	301	330	360	562	540	379	581	760	625	281	330
Indonesia		189	252	252	252	337	211	250	439	288	313	243	202	254	256	224
Iran (Islamic Republic of)	63	154	91	65	39	39	31	34	32	30	28	26	25	11	20	20
Israel	319	337	437	501	416	331	277	210	148	7.9	8.5	12	10	13	14	12
Jamaica	1.9	3.0	2.0	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.5	2.0	2.0	2.0	
Japan	1,637	1,408	1,525	2,845	1,277	1,166	1,105	1,107	849	697	604	724	595	499	450	449
Jordan							3.3			10	12	12	12	10	12	12
Kazakhstan		25	30	11	11	11								63	10	
Kenya	33	35		45	50	65	45	68	68	65	86	93		20	2.0	2
Kiribati														0.1		
Kuwait	3.0															
Kyrgyzstan	23				1.0	1.0	0.5		1.0			1.0	1.1	1.0		0.8
Lao People's Democratic Republic							0.1									
Latvia	4.5	0.4														
Lebanon												50	50	33		
Malaysia			168	156	171	252	284	300	222			148	125	157	153	108
Mauritius									0.5							

Party	2000 t	2001 t	2002 t	2003 t	2004 t	2005 t	2006 t	2007 t	2008 t	2009 t	2010 t	2011 t	2012 t	2013 t	2014 t	2015 t
Mexico	359	715	155	96	135	240	238	260	307	458	453	520	502	503	506	497
Micronesia (Federated States of)	0.1															
Morocco					10	10	10	10	10	10	10	10	10	10	7.0	9
Mozambique											48	41	0.6			
Myanmar	64	0.01	65	107				16	32			149	121	80	80	
New Zealand	58	51	100	141	205	115	211	160	288	270	406	469	565	565	520	522
Nicaragua	13	24		7.5	14	33	28	11	19	23	19	14	19	18	23	28
Norway			0.04	0.1	0.1	0.01				0.05	0.05					
Oman	0.2	0.2					0.01					2.0				
Pakistan			19	68	15		30	38	30	30	24		24		40	68
Panama	0.6			3.4	1.5	10	0.6	12								
Papua New Guinea				10	4.4	2.5	5.0	7.5	10	15	10	0.9		20	0.9	6.5
Paraguay				0.6	0.6											
Peru												0.4		4.0	3.3	2.5
Philippines			58	60	52	73	91	92	72	48	72	54	48	31	38	58
Poland	28	37	44	46												
Qatar									4.0	5.0		3.0				
Republic of Korea	350	516	543	377	533	425	288	381	339	708	574	639	445	542	432	266
Russian Federation	250	117	214	117	157	113	148	33								
Saint Kitts and Nevis				0.1				0.1	0.1	0.01						
Samoa	0.1	0.1		0.2	0.2	0.2	0.2	0.1	0.1	0.3	0.3				1	
Saudi Arabia			13	35	42	42	6.0	6.0		10	15	18	15	12	15	15
Sierra Leone						1.0			0.4							
Singapore	103	35	35	52	46	85	98	153	107	166	52	130	100	86	85	74
Solomon Islands						0.01	0.8		0.6	1.2	1.4	1.4	1.2	1.0	1.5	1
Sri Lanka		4.4	4.6	10	10	12	20	22	22	19	24	25	33	37	34	32
Swaziland									0.1	0.3	0.3	0.4	0.2	0.2	0.2	
Syrian Arab Republic	0.4	0.5	0.5	0.5	0.7	15	22	27	26		10	22				
Tajikistan	1.6	1.4	1.0	0.3	4.3	6.6	6.4	6.3	4.9	1.7	1.4					
Thailand	146	208		375	620	455	539	558	546	465	467	343	320	156	123	195
Tonga		1.4														
Trinidad and Tobago			1.4	0.7	1.3	3.2	9.1	1.7	1.0	1.5	1.6	1.5	1.0	2.0	1.1	1
Turkey	30	6.0	10		75	83	21	36	21	27	27	40	40	50	40	28
Turkmenistan						0.7				5.2	15		40		20	
Ukraine	257													16		
United Arab Emirates		33	33	17	16	16				47	55	59	58	43	43	43
United States of America	3,663	3,079	4,127	3,722	4,115	2,931	5,089	2,930	1,212	2,099	3,844	1,916	1,171	2,528	4,677	1,640
Uruguay	0.4	0.5	0.5	7.1	13	18	34	61	19	43	52	41	24	20	33	32
Uzbekistan	21			51		34					16					
Vanuatu							0.8	0.8	0.8	0.6	0.8	0.4	0.4	0.4	0.4	0.4
Viet Nam	250	325		336	530	598	656	677	696	739	761	796	838	850	840	937
Zimbabwe	2.2					0.6				1.0	2.0	1.0	1.0	1.0	2.0	1
TOTAL (tonnes)	11,969	9,440	10,812	12,285	12,156	11,443	12,728	10,710	8,789	9,130	10,956	9,700	8,854	9,823	11,122	8,189
Total number of Parties	47	46	43	49	54	58	54	50	58	56	56	55	50	53	50	47

Annex XVI: Destruction of Ozone Depleting Substances Reported by Parties (in tonnes)

Party	2000 t	2001 t	2002 t	2003 t	2004 t	2005 t	2006 t	2007 t	2008 t	2009 t	2010 t	2011 t	2012 t	2013 t	2014 t	2015 t
Australia	6.9	4.5	1.3	0.002	15.1	55.4	324.1	324.1	299.6	331.5	299.0	296.1	172.1	44.7	74.4	42.9
Belgium	27	32.2	151.7	98.1	166.8	128.7	104.8	86.2				67.1	31.5	39.1	28.9	62.8
Brazil						13.6					16.5					
Cameroon										1.5		6	8	11.0		
Canada			14.2	0.8						0.009						
China						133	105.6	602.4	26.3				11.2	10.8	18.5	17.8
Colombia															3.2	0.2
Costa Rica															0.2	
Cuba																0.5
Czech Republic	75	34	104	50.4	130.3	137.1	106.6	149.2	293.5	229.7	36.9	33.6	66.3	53.5	85.4	109.5
Denmark	60	41.4		27.9			32.6	22.3	36.5			100.3	101.2		149.0	151.6
Ecuador													0.04			
Estonia													2.7			0.0
Finland	71	44.5	32.4	32.1	81.2	105	131.8	129.1	125.3	133.8	92	100.5	47.6	58.5	47.6	56.2
France					9311.3	4332.9	10065.4	9998.7	12314	5154.7	3681.3	3355.5	1,476.5	2,519.4	4948.6	6,197.4
Georgia															1.47	
Germany		281	6659	6653	7538	7866.3	6954	10114.5	4106.5	3635.1	3372.1	476.9	507.9	725.8	1132.5	864.1
Hungary				1.3		13.6		14.6	21	13.9	13.8	4.3	1.3	3.1	7.215	29.8
India													16.3	19.8		34.1
Japan											2555.6	2587.7	2610.9	2,530.3	2460.4	2,644.3
Liechtenstein	0.2	0.5	0.4	0.1	0.1										3.03	62.9
Mexico									0.7							
Netherlands	1257.5	2329.5	1941	3330	452	147.6	183.2	115.7	173.5	108.7	2.4	7.4	164.8	140.0	187.2	315.5
Norway	52	61.3	96	77.3	97.7	23.1	31.6	71.2	8.3	24.7	0.4	1.2				
Poland									17.6	27.8	18.3	35.6	8.7	42.8	32.72	35.7
Republic of Korea								1108	1970.7	3180.3	2950.2	4075.4	4,674.2	4,622.7	4499.4	3,779.2
Romania								18	43.4	6092.4	43.4	85.1	23.0	23.5	8.28	5.0
Slovakia						1.9	3.5	5.6	4.8	1.3	1.4	2.6	2.6	2.4	6.656	4.8
South Africa				1												
Spain				750		2016	1907	1577	3497	1839		1			1.42	
Sweden						89	144.3	164.6	43.2	0.1	194.4	260	95.6	100.3	232.5	129.9
Switzerland	51	114	95	40	30	30										
The Former Yugoslav Republic of Macedonia							0.4									
United Kingdom of Great Britain and Northern Ireland						523.2	458.7	4709.6	1555.9			1568.5	7.8	1,498.8	2,585.0	2,425.3
United States of America	2932	2073	1247	1607	1123.1	1086	893.7	2207.8	2260.4	5682.8	4442.6	4206.9	4,002.4	2,455.6	2,213.6	2,104.4
Uzbekistan					0.3											
TOTAL (t)	4532.6	5015.9	10342	12669	18945.9	16702.4	21447.3	31418.6	26798.2	26457.3	17,726.3	17,273.7	14,035.6	14,891.1	18,727.2	19,074.9
Total No. of Parties	10	11	11	15	12	17	16	18	19	17	17	20	22	18	24	23
<i>European Union*</i>	1243	9535	9839	16876	15963	16608.7	13147.3	18171.2	20965.5	14496.4	9863.4	6041.3	2,805.6	5,883.4	9,480.2	10,920.8

* Data reported by the European Union is included in order to fill possible gaps in reporting by the member States.