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环境规划署**关于消耗臭氧层物质的蒙特利尔议定书
缔约方第二十九次会议**2017年11月20日至24日，
加拿大蒙特利尔
预备会议临时议程*项目4(1)**蒙特利尔议定书不遵守情事程序下设
履行委员会
第五十九次会议**2017年11月18日，加拿大蒙特利尔
临时议程**项目3和5-8**《蒙特利尔议定书》的相关议题：由履行委员
会审议的履约和汇报问题****缔约方依照《关于消耗臭氧层物质的蒙特利尔议定书》
第7条和第9条提供的信息****秘书处的报告****摘要**

本报告所载资料的主要内容总结如下，以便于蒙特利尔议定书不遵守情事程序下设履行委员会审议报告。

事项	状况
按照第9条提交2016年报告 2015和2016年的第7条数据年度报告	<ul style="list-style-type: none"> 缔约方迄今尚未提交涵盖2016年的第9条报告 2016年数据报告：截至2017年10月12日，197个缔约方中的187个已报告 2015年数据报告：所有197个缔约方均已报告
2015和2016年控制措施的遵守情况	<ul style="list-style-type: none"> 2016年，187个缔约方中的184个遵守了其义务；两个缔约方尚未澄清其遵守情况；一个缔约方有尚待解决的未遵守问题，正在接受审议 2015年，197个缔约方中的196个遵守了义务；履行委员会在最近两次会议上审议了一个缔约方的未遵守问题，并将在委员会第五十九次会议上审议剩余问题

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

** UNEP/OzL.Pro/ImpCom/59/R.1/Rev.1。

监测原先未遵守但已就行动计划作出决定的缔约方的进展情况	<ul style="list-style-type: none"> 在行动计划中承诺达到 2016 年具体目标两个缔约方已实现其目标
核算 2016 年四氯化碳必要用途豁免	<ul style="list-style-type: none"> 一个获得 2016 年必要用途豁免的缔约方对此进行了核算
核算 2016 年甲基溴关键用途和紧急用途豁免	<ul style="list-style-type: none"> 获得 2016 年关键用途豁免的 7 个缔约方中已有 6 个对此进行了核算；剩下的一个缔约方没有义务核算 2016 年豁免 两个缔约方向秘书处通报了第 IX/7 号决定准许的下为应对紧急事件而消费的情况
报告 2015 和 2016 年出口及其目的地国	<ul style="list-style-type: none"> 迄今有 31 个缔约方报告了 2016 年的出口情况，其中 29 个缔约方已说明其全部或部分出口的目的地国 28 个缔约方报告了 2015 年的出口情况；上述缔约方的报告均包括关于目的地国的部分或完整信息，已说明的目的地国占出口量的 99.4%（按重量计）
报告 2015 和 2016 年进口及其来源国	<ul style="list-style-type: none"> 迄今有 154 个缔约方报告了 2016 年的进口情况，其中 57 个缔约方的报告包括关于进口来源国的信息 160 个缔约方报告了 2015 年的进口情况；52 个缔约方的报告包括关于来源国的信息，已说明的来源占进口量的 53.4%（按重量计）
2016 年由于储存臭氧消耗物质而造成的超量生产或消费的情况	<ul style="list-style-type: none"> 两个缔约方报告了 2016 年储存造成的超量生产；这两个缔约方均确认对库存物质采取了控制措施
报告 2015 和 2016 年加工剂用途	<ul style="list-style-type: none"> 4 个获准的缔约方均报告了 2015 和 2016 年的加工剂用途
2015 年 ^a 氯氟碳化合物、哈龙、四氯化碳和其他逐步淘汰物质的生产	<ul style="list-style-type: none"> 4 个缔约方报告生产了约 87 000 吨^b氯氟碳化合物，其中约 99%用于原料用途，其余用于豁免用途 12 个缔约方报告生产了约 225 000 吨四氯化碳；94%以上用于原料用途，其余大多是无意产生的副产品，后来被销毁 两个缔约方报告生产了约 85 000 吨甲基氯仿，全部用于原料用途 5 个缔约方报告生产了约 13 000 吨甲基溴；约 3 900 吨用于原料用途，约 8 450 吨用于检疫和装运前用途，其余用于必要用途 与氯氟碳化合物、四氯化碳、甲基氯仿和甲基溴的生产相比，其他逐步淘汰物质的合计产量较低，占逐步淘汰物质总产量的不到 1%
2015 年 ^a 原料用途	<ul style="list-style-type: none"> 14 个缔约方报告在 2015 年有略多于 100 万吨的臭氧消耗物质被用于原料应用
2015 年 ^a 甲基溴的检疫和装运前用途	<ul style="list-style-type: none"> 47 个缔约方报告在 2015 年有约 8 200 吨的甲基溴被用于检疫和装运前应用
2015 年 ^a 臭氧消耗物质销毁情况	<ul style="list-style-type: none"> 23 个缔约方报告在 2015 年销毁约 19 000 吨臭氧消耗物质
缔约方对第 XXIV/14 号决定（2015 和 2016 年第 7 条数据报告中填零补格）的回应	<ul style="list-style-type: none"> 2016 年，有 22 个缔约方在报告数据时提交了含空单元格的表格；其中 20 个缔约方已澄清，空格代表零 197 个缔约方中的 32 个在就 2015 年报告数据

修订氢氟氯碳化合物基线数据	<p>时提交了含空单元格的表格；所有缔约方均已澄清，空格代表零</p> <ul style="list-style-type: none"> • 秘书处将 3 个缔约方的基线数据向下修订，以排除进口预混多元醇中包含的回收二氟一氯甲烷和一氟二氯乙烷的进口量，这些数据被错误地纳入了基线计算 • 另外两个缔约方提交了氢氟氯碳化合物基线数据变更请求
<p>缩略语： CFC： 氯氟碳化合物； HCFC： 氢氯氟碳化合物。</p> <p>^a 仅提供 2015 年的资料，因为 2016 年报告数据尚不完整。2016 年的汇总资料将在今后的报告中提交。</p> <p>^b 吨=公吨。</p>	

一、 导言

1. 本报告系依据《关于消耗臭氧层物质的蒙特利尔议定书》第 12 条(c)款编写，载有截至 2017 年 10 月 12 日秘书处收到的按照《议定书》第 7 条提交的信息。
2. 本报告第二节涉及以下方面：
 - (a) 按照《议定书》第 9 条提交的 2016 年报告；
 - (b) 1986-2016 年期间年度数据报告要求（第 7 条第 3 款和第 3 款之二）的遵守情况；
 - (c) 2015 年未遵守和可能未遵守臭氧消耗物质控制措施的情况；
 - (d) 非按第 5 条第 1 款行事的缔约方在 2016 年遵守臭氧消耗物质生产和消费控制措施的情况；
 - (e) 按第 5 条第 1 款行事的缔约方在 2016 年遵守臭氧消耗物质生产和消费控制措施的情况；
 - (f) 监测已就行动计划作出决定（包含承诺达到 2016 年具体目标）的缔约方的进展情况；
 - (g) 核算 2016 年授予的各项必要用途、关键用途和紧急用途豁免；
 - (h) 报告出口及其目的地国（第 XVII/16 号决定）；
 - (i) 报告进口及其来源国（第 XXIV/12 号决定）；
 - (j) 根据第 XVIII/17 和第 XXII/20 号决定编制的因库存造成的超量生产和消费情况综合记录；
 - (k) 报告 2014、2015 和 2016 年的加工剂用途（第 XXI/3 和第 X/14 号决定）
 - (l) 氯氟碳化合物、哈龙、四氯化碳和其他逐步淘汰臭氧消耗物质的生产；
 - (m) 臭氧消耗物质的原料用途；
 - (n) 甲基溴的检疫和装运前用途；
 - (o) 臭氧消耗物质的销毁；
 - (p) 缔约方对第 XXIV/14 号决定（第 7 条数据报告表中填零补格）的回应；

(q) 秘书处希望提请缔约方注意的问题：修订氢氯氟碳化合物基线数据。

3. 第三节载列本报告的附件。请注意，附件一、二和三提供经常性信息以便于参考：附件一说明如何计算生产和消费量，附件二概述与《议定书》有关的义务，附件三列出所有缔约方在 2016 年采取的控制措施。

二、 缔约方提供的信息

A. 按照《议定书》第 9 条提交的 2016 年报告

4. 自 2016 年 9 月以来，秘书处未收到任何按照第 9 条提供的新资料。¹具体而言，并无任何缔约方提交涵盖 2016 年活动的报告。最近一份报告由立陶宛于 2016 年 9 月提交，涵盖 2014-2015 年期间。

5. 缔约方自 2008 年以来根据第 9 条提交的所有呈文均公布于秘书处网站 (http://ozone.unep.org/en/ozone_data_tools_research_public_awareness.php)。对于 2008 年之前的呈文，网站仅公布关于提交年份的信息。

B. 1986-2016 年期间年度数据报告要求（第 7 条第 3 款和第 3 款之二）的遵守情况

6. 表 1 显示需要按照《议定书》第 7 条²报告数据的缔约方数量以及过去四年已报告其数据的缔约方数量，仅供比较。关于 1986-2015 年期间的数据，所有缔约方均完全履行了《议定书》第 7 条规定的报告义务。

表 1

过去四年报告第 7 条数据的缔约方数量

年份	缔约方数量					尚未报告
	需要报告	截至 2017 年 10 月 12 日已报告				
		共计	第 5 条	非第 5 条		
2016	197	187*	141	46	10	
2015	197	197	147	50	-	
2014	197	197	147	50	-	
2013	197	197	148	49	-	

*对于 2016 年的数据，到 2017 年 6 月 30 日有 130 个缔约方已经报告，到 2017 年 9 月 30 日有 180 个缔约方已经报告。

7. 生产和消费数据载于各附件，具体如下：

(a) 附件四载列截至 2017 年 10 月 12 日所报告的 2016 年臭氧消耗物质的生产和消费计算数据；

¹ 关于研究、开发、公众认识和信息交流的第 9 条要求每一缔约方在《议定书》生效两年内及以后每两年向秘书处提交一份依据该条所进行活动的概要。但第 XVII/24 号和第 XX/13 号决定均确认，第 9 条第 3 款所规定的报告义务的相关信息可通过下列活动产生：区域臭氧网络背景下开展的合作、由臭氧研究管理人员根据《保护臭氧层维也纳公约》第 3 条开展的各项活动、由各缔约方参加技术和经济评估小组以及科学评估小组根据《蒙特利尔议定书》第 6 条所开展的评估工作，以及提高公众认识的国家倡议。

² 《议定书》第 7 条第 3 款规定，每一缔约方应在关于附件 A、B、C 和 E 所列物质的规定对该国各自生效的那一年及以后每一年向秘书处提供附件 A、B、C 和 E 内所列每一种受控物质的年产量统计数据，并为每一种物质分别提供用作原料的数量、使用缔约方核准的技术加以销毁的数量、与缔约方和非缔约方的进出口贸易数据。该款进一步规定，缔约方须在数据有关年度结束后九个月内提供此类数据。

- (b) 附件五载列 2015 年臭氧消耗物质生产和消费计算数据；
- (c) 附件六载列 2015 和 2016 年按联合国各区域组划分的臭氧消耗物质的生产和消费汇总信息；
- (d) 附件七载列按缔约方类别（按第 5 条第 1 款行事和非按该款行事）划分的汇总信息，对 2015 和 2016 年臭氧消耗物质的生产、进口和出口进行比较。

8. 关于回收的臭氧消耗物质的汇总或摘要信息³载于下列附件：

- (a) 附件八载列关于 2015 和 2016 年新的和回收物质进口和出口的信息；
- (b) 附件九载列关于 2015 和 2016 年缔约方进口和出口回收臭氧消耗物质的信息。

9. 附件十说明 2015 和 2016 年用于实验室和分析用途的臭氧消耗物质的进口量或生产量。根据第 XXVI/5 号决定，用于实验室和分析用途的臭氧消耗物质的全球豁免期限延长至 2021 年 12 月 31 日。

C. 2015 年未遵守和可能未遵守臭氧消耗物质控制措施的情况

10. 表 2 概述关于 2015 年未遵守臭氧消耗物质控制措施的各种情况的信息，这些情况或于去年得到审议，或将于今年审议。鉴于 2016 年发布的供缔约方审议的数据报告未提供关于 2015 年遵守状况的全部信息，现为完整起见将该信息载列于此。

表 2

2015 年臭氧消耗物质超量消费引起的未遵守情况

缔约方	附件/ 类别 ^d	ODP 吨			解释或评述
		基线	2015 年 限值	2015 年 消费量	
哈萨克 斯坦	附件 C/ 第一类 (HCFC)	39.5	9.9*	12.11	未遵守第 XXVI/13 号决定中的承诺：由履行委员会在第五十七和第五十八次会议上审议： <ul style="list-style-type: none"> 在第 57/1 号建议中，委员会请哈萨克斯坦对其偏离情况提交解释及（在切合实际的情况下）行动计划，以确保迅速恢复履约； 在第 58/1 号建议中，委员会赞赏地注意到已提供的资料，并请哈萨克斯坦提交进一步资料供委员会第五十九次会议审议。

缩略语：HCFC：氢氯氟碳化合物；ODP 吨：臭氧消耗潜能吨；ODS：臭氧消耗物质。

* 限值系根据第 XXVI/13 号决定得出，在该决定中，哈萨克斯坦承诺 2015 年将氢氯氟碳化合物的消费量减少至不超过 9.9 臭氧消耗潜能吨。

³ 《议定书》第 7 条第 3 之二款规定，就回收物质的年度数据而言，每个缔约方须向秘书处提供每一种回收的附件 A 第二类和附件 C 第一类受控物质的年进口和出口的单独统计数据。

⁴ 表 3 到表 8 中各附件/类别所对应的物质如下：附件 A/第一类物质为氯氟碳化合物；附件 A/第二类物质为哈龙；附件 B/第一类物质为其他全卤化氯氟碳化合物；附件 B/第二类物质为四氯化碳；附件 B/第三类物质为甲基氯仿；附件 C/第一类物质为氢氯氟碳化合物；附件 C/第二类物质为氟溴烃；附件 C/第三类物质为溴氯甲烷；附件 E/第一类物质为甲基溴。

D. 非按第 5 条第 1 款行事的缔约方在 2016 年遵守臭氧消耗物质生产和消费控制措施⁵的情况

11. 表 3 列出了迄今报告的非按第 5 条第 1 款行事缔约方 2016 年臭氧消耗物质消费量超出减少时间表中允许数量的所有情况，以及相关缔约方或秘书处酌情提供的解释或澄清。

表 3

非按第 5 条第 1 款行事的缔约方 2016 年消费量超出减少时间表中允许数量的核算和解释

缔约方	附件/ 类别 ⁴	ODP 吨			解释或评述
		基线	2016 年 限值	2016 年 消费量	
1. 澳大利亚	附件 E/ 第一类	422.4	0	17.9	关键用途= 17.9 ODP 吨。第 XXVI/6 号决定第 1 段规定的豁免数量=17.9 ODP 吨。
2. 加拿大	附件 B/ 第二类	6167.7	0	0.2	实验室和分析用途 = 0.2 ODP 吨。
	附件 E/ 第一类	120.1	0	2.6	关键用途 = 2.6 ODP 吨。第 XXVI/6 号决定第 1 段规定的豁免数量=3.2 ODP 吨。
3. 以色列	附件 E/ 第一类	2148	0	244.6	供未来年份用于原料用途或出口以用于该用途的库存（第 XVIII/17 号决定第 1(c)段）= 245.2 ODP 吨
4. 日本	附件 B/ 第二类	74879.2	0	18.5	实验室和分析用途 = 18.5 ODP 吨。
5. 哈萨克斯坦	附件 C/ 第一类	39.5	3.95	4.96	未遵守的情况：臭氧消耗物质消费超过第 XXVI/13 号决定中的 3.95 ODP 吨的基准承诺。待履行委员会审议的问题。
6. 美利坚合众国	附件 C/ 第二类	0	0	0.7	供未来年份销毁或出口以便销毁的库存（第 XVIII/17 号决定第 1(b)段）= 0.7 ODP 吨。
	附件 E/ 第一类	15317.4	0	85.6	关键用途= 78 ODP 吨。第 XXVI/6 号决定第 1 段规定的豁免数量=140.9 ODP 吨。为出口用于关键用途而储存的产量= 18.2 ODP 吨。

缩略语：ODP 吨：臭氧消耗潜能吨；ODS：臭氧消耗物质。

12. 表 4 列出了迄今报告的非按第 5 条第 1 款行事缔约方 2016 年产量超出减少时间表中允许数量的所有情况，以及相关缔约方或秘书处酌情提供的解释或澄清。

⁵ 本报告附件三概述 2016 年适用于缔约方的控制措施。

表 4

非按第 5 条第 1 款行事的缔约方 2016 年产量超出减少时间表中所允许数量的核算和解释

缔约方	附件/ 类别 ⁴	ODP 吨			解释或评述
		基线	2016 年 限值	2016 年 产量	
1. 以色列	附件 E/ 第一类	16800	0	263.2	待澄清：超量=5.4 ODP 吨。供未来年份用于原料用途或出口用于该用途的库存（第 XVIII/17 号决定第 1(c)段）= 245.2 ODP 吨。供出口用于关键用途的产量= 12.6 ODP 吨。
2. 日本	附件 B/ 第二类	19602	0	18.5	实验室和分析用途 = 18.5 ODP 吨。
3. 美利坚合 众国	附件 C/ 第二类	0	0	0.7	供未来年份销毁或出口以便销毁的库存（第 XVIII/17 号决定第 1(b)段）= 0.7 ODP 吨。
	附件 E/ 第一类	16908	0	217.4	关键用途= 78 ODP 吨。第 XXVI/6 号决定第 1 段规定的豁免数量=140.9 ODP 吨。供出口用于关键用途的产量 = 149.6 ODP 吨。

缩略语：ODP 吨：臭氧消耗潜能吨。

E. 按第 5 条第 1 款行事的缔约方在 2016 年遵守臭氧消耗物质生产和消费控制措施的情况

13. 表 5 列出了迄今报告的按第 5 条第 1 款行事的缔约方 2016 年臭氧消耗物质消费量超出规定限值的所有情况，以及秘书处酌情提供解释或澄清。

表 5

按第 5 条第 1 款行事的缔约方 2016 年臭氧消耗物质消费量超出减少时间表中允许数量的情况和相关解释

缔约方	附件/ 类别 ⁴	ODP 吨			解释或评述
		基线	2016 年 限值	2016 年 消费量	
1. 阿根廷	附件 E/ 第一类	411.3	0	77.5	关键用途= 77.5 ODP 吨。第 XXVII/3 号决定规定的豁免数量= 77.6 ODP 吨。
2. 牙买加	附件 E/ 第一类	4.9	0	0.2	第 IX/7 号决定允许的紧急用途
3. 利比亚	附件 C/ 第一类	118.38	106.542	118.36	未超出第 XXVII/11 号决定规定的 118.4 ODP 吨的基准承诺。
4. 墨西哥	附件 B/ 第二类	62.5	0	0.1	实验室和分析用途=0.1 ODP 吨。
	附件 E/ 第一类	1130.8	0	49.4	关键用途=49.4 ODP 吨。第 XXVII/3 号决定规定的豁免数量=51. ODP 吨。
5. 南非	附件 E/ 第一类	602.7	0	74.6	待澄清： 超量=74.6 ODP 吨。

缩略语：ODP 吨：臭氧消耗潜能吨。

14. 迄今为止，按第 5 条第 1 款行事的缔约方提交的 2016 年数据未显示出偏离产量削减时间表的情况。

F. 监测已就行动计划作出决定（包含承诺达到 2016 年具体目标）的缔约方的进展情况

15. 缔约方会议通过的关于原先可能未遵守的缔约方的各项决定中，通常要求密切监测这些缔约方实施上述决定中所列行动计划的进展情况。本节的目的是推动监测工作。

16. 表 6 列出迄今为止已报告第 7 条数据的缔约方，其 2016 年消费量在《议定书》规定的限值之内，并已在缔约方会议通过的决定所列行动计划之下就 2016 年的具体基准作出承诺。

表 6

已在缔约方会议通过的决定所列行动计划之下商定基准的缔约方的 2016 年消费量信息

缔约方	附件/ 类别 ⁴	ODP 吨			解释或评述
		基线	2016 年 年限值	2016 年 消费量	
1. 朝鲜民主主义人民共和国	附件 C/ 第一类	78	70.2	69.91	未超出第 XXVI/15 号决定中的 70.16 ODP 吨的基准承诺。
2. 乌克兰	附件 C/ 第一类	164.2	16.42	16.11	未超出第 XXIV/18 号决定中的 16.42 ODP 吨的基准承诺。

缩略语：ODP 吨 = 臭氧消耗潜能吨。

17. 表 7 列出迄今为止已报告第 7 条数据的缔约方，其 2016 年生产量在《议定书》规定的限值之内，并已在缔约方会议通过的决定所列行动计划之下就 2016 年的具体基准作出承诺。

表 7

已在缔约方会议通过的决定所列行动计划之下商定基准的缔约方的 2016 年产量信息

缔约方	附件/ 类别 ⁴	ODP 吨		2016 年 产量	解释或评述
		基线	2016 年 限值		
朝鲜民主主义人民共和国	附件 C/ 第一类	27.6	24.84	24.81	未超出第 XXVI/15 号决定中的 24.84 ODP 吨的基准承诺。

缩略语：ODP 吨 = 臭氧消耗潜能吨。

G. 核算 2016 年授予的各项必要用途、关键用途和紧急用途豁免

18. 中国是 2016 年唯一申请并获得臭氧消耗物质必要用途豁免的缔约方。表 8 概述关于该年度授予中国的四氯化碳必要用途豁免的信息。该表包括关于中国按照第 VIII/9 号决定提交核算报告⁶的状态的信息。

表 8

2016 年授予中国的四氯化碳必要用途豁免

豁免数量 (吨)	决定	应用	核算报告的提交状态
70	第 XXVII/2 号	实验室和分析用途：测试水中的油、油脂和总石油烃	已提交

19. 2016 年有八个缔约方获得使用甲基溴的关键用途豁免。表 9 概述关于该年度授予这八个缔约方的甲基溴关键用途和紧急用途豁免的信息。该表包括关于上述缔约方按照第 Ex.I/4 号（第 9 (f)段）和第 XVI/6 号决定⁷提交核算报告的状态的信息。

⁶ 根据第 VIII/9 号决定第 9 段，要求往年被授予必要用途豁免的缔约方在每年的 1 月 31 日前提交此类报告。

⁷ 第 Ex.I/4 号（第 9(f)段）和第 XVI/6 号决定规定，提名关键用途豁免必须提交核算报告；因此，未提交提名的缔约方没有义务提交核算报告。

表 9

2016 年授予缔约方的甲基溴关键用途和紧急用途豁免

缔约方	豁免数量 (吨)	决定	核算报告的提交状态
1. 阿根廷	129.25	第 XXVII/3 号	已提交
2. 澳大利亚	29.760	第 XXVI/6 号 (第 1 段)	已提交
3. 加拿大	5.261	第 XXVI/6 号 (第 1 段)	已提交
4. 中国	99.75	第 XXVII/3 号	已提交
5. 以色列	0.5	第 IX/7 号*	没有义务为紧急用途提交报告
6. 牙买加	1.5	第 IX/7 号**	没有义务为紧急用途提交报告
7. 墨西哥	84.957	第 XXVII/3 号	2017 年无提名, 因此无义务提交
8. 南非	74.062	第 XXVII/3 号	已提交
9. 美利坚合众国	234.78	第 XXVI/6 号 (第 1 段)	已提交

* 以色列在向秘书处发出的通知中报告说, 在第 IX/7 号决定所允许的情况下, 使用了 0.5 吨甲基溴用于应对一起紧急事件 (UNEP/OzL.Pro.WG.1/38/8, 附件一, 第 21 段)。

** 牙买加于 2016 年 7 月向秘书处通知 1.5 吨甲基溴的紧急用途, 供一家面粉厂用于熏蒸存货和仓库 (UNEP/OzL.Pro.28/12, 附件二, C 节)。

H. 报告出口及其目的地国 (第 XVII/16 号决定)

20. 表 10 概述关于缔约方报告的出口数量⁸和报告此类出口的缔约方数量的信息, 以及关于目的地国说明的资料。

表 10

报告出口和目的地国的信息

年份	报告的出口数量			报告出口的缔约方数量			
	共计 (吨)	具体说明	具体说明目	所有 缔约 方	有目的地 国的所有 出口	有目的地 国的某些 出口	无目的地 国的所有 出口
		目的地国 (吨)	的地国 (百分比)				
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

*2016 年的数据不完整, 因为有些缔约方尚未报告该年的第 7 条数据。

⁸ 缔约方第十七次会议在第 XVII/16 号决定中请臭氧秘书处修订报告格式, 以涵盖所有受控臭氧消耗物质的出口和再出口情况, 并敦促各缔约方迅速实施经修订的报告格式。在统计数据中, 秘书处剔除了单个欧洲联盟会员国所报告的出口数据, 以避免与欧洲联盟代表各会员国报告的出口重复。

21. 2017年2月,秘书处向被出口缔约方列为目的地的133个缔约方分发了涵盖2015年数据报告的汇总信息。⁹

I. 报告进口及其来源国(第XXIV/12号决定)

22. 表11概述关于缔约方报告的进口数量¹⁰和报告此类进口的缔约方数量的信息,以及关于来源国说明的资料。

表11
报告进口和来源国信息

年份	报告的进口数量			报告进口的缔约方数量			
	共计 (吨)	具体说明	具体说明来	所有缔 约方	有来源	有来源	无来源
		来源国 (吨)	源国 (百分比)		国的所 有进口	国的某 些进口	国的所 有进口
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

*2016年的数据不完整,因为有些缔约方尚未报告该年的第7条数据。

23. 秘书处于2017年3月向在2015年期间被进口国列为出口国的40个缔约方发函,邀请那些对与其相关的汇编资料感兴趣的缔约方通知秘书处是否希望收到此类资料。十九个缔约方作出答复并获发汇编资料。

J. 根据第XVIII/17和第XXII/20号决定编制的储存造成的超量生产和消费情况综合记录

24. 根据第XVIII/17第XXII/20号决定,秘书处已在本报告的附件十一中列入关于储存造成的超量生产和消费情况综合记录的最新信息。¹¹最新收录的是2016年的情况,由以色列和美利坚合众国报告。两个缔约方均表示,已根据第XXII/20号决定第3段的要求,制定了必要的措施和监管规定,防止库存物质转用于未经授权的用途。

⁹ 缔约方第十七次会议在第XVII/16号决定第4段请秘书处向相关进口缔约方报告所收到的来自出口/再出口缔约方的汇总信息。

¹⁰ 缔约方第二十四次会议在第XXIV/12号决定中请秘书处在2013年1月1日前修订汇报格式,纳入一份附件以便汇报的缔约方可以在自愿基础上说明汇报为进口的任何臭氧消耗物质的出口缔约方。该决定第2段还请秘书处于每年1月按附件和类别汇编进口或再进口缔约方提交的与受控物质有关的汇总信息,并应要求向相关出口缔约方单独提供此类信息。

¹¹ 缔约方会议在第XVIII/17和第XXII/20号决定中请秘书处维护一份综合情况记录,记录缔约方根据《议定书》第7条汇报数据时已查明的因储存在汇报年度生产的臭氧消耗物质而导致的超量生产和消费情况,储存原因是:(a) 供在未来年份国内销毁或出口销毁;(b) 供未来年份用于国内原料用途或出口用于该用途;(c) 供未来年份出口以满足发展中国家的国内基本需求。该决定第3段指出,在该决定第2段所提及的任何情况中,如果相关缔约方汇报其采取了必要措施,禁止将臭氧消耗物质用于除该决定第2段所指定的以外的任何用途,则可认为履行委员会没有必要采取任何后续行动。

25. 以色列遵守第 XXVIII/10 号决定以及第 XXII/20 号决定第 3 段关于其报告的 2014 年溴氯甲烷超量生产的要求，并确认库存量已于 2016 年出售，出口的详细情况将在 2016 年第 7 条数据中报告。

K. 报告 2014、2015 和 2016 年的加工剂用途（第 XXI/3 和第 X/14 号决定）

26. 第 XXI/3 号决定请秘书处提请履行委员会注意未报告臭氧消耗物质加工剂用途的情况，以供其审议。

27. 仅四个缔约方（中国、欧洲联盟、以色列和美利坚合众国）仍报告将臭氧消耗物质用于加工剂用途。所有缔约方（包括以色列）均已向秘书处提交了 2014、2015 和 2016 年的加工剂用途报告，而第 XXVIII/10 号决定曾要求以色列提交关于 2014 和 2015 年使用受控物质作为加工剂的欠交资料。关于补给（或消费）以及排放的最新允许限量的信息载于第 XXIII/7 号决定附件的表 B。

L. 氯氟碳化合物、哈龙、四氯化碳和其他逐步淘汰的臭氧消耗物质的生产

28. 关于 2010 至 2015 年氯氟碳化合物、哈龙、四氯化碳和其他逐步淘汰的臭氧消耗物质¹²生产的报告信息，列于本报告附件十二。

29. 表 12 概述仍在生产已超过逐步淘汰期限的物质的缔约方提供的 2015 年的信息。产量小于 1 吨的物质通常用于实验室和分析等豁免用途，因此不包含在以下的概要中。

30. 由于 2016 年的数据报告仍不完整，2016 年的信息将列入今后的报告。

表 12

2015 年逐步淘汰的臭氧消耗物质的产量

（吨）

附件/类别	附件 A/第一类	附件 A/第二类	附件 B/第二类	附件 B/第三类	附件 C/第二类	附件 C/第三类	附件 E/第一类	共计
报告的缔约方数量	4	2	12	2	4	2	5	-
用于所有用途的总产量	87 356	871	225 280	85 122	127	1 574	13 048	413 378
用于自身原料用途的产量	86 011	871	212 401	85 122	125	552	3 796	388 878
用于自身必要用途的产量	75	-	80	-	-	-	490	645
用于原料用途的出口量	1 176	-	0	-	2	1 082	131	2 391
用于必要用途的出口量	4	-	-	-	-	-	271	275
生产者销毁的数量	221	22	12 680	224	-	-	15	13 162
用于 QPS 用途的产量	-	-	-	-	-	-	8 449	8 449

缩略语：QPS：检疫和装运前用途。

31. 总产量略多于 400 000 吨，其中氯氟碳化合物、四氯化碳和甲基氯仿占产量的 96%，比例分别为 21%、54%和 21%。大部分产量用于原料用途。关于四

¹² 根据控制措施，除缔约方会议豁免的用途之外，全体缔约方应于 2010 年之前逐步淘汰氯氟碳化合物（附件 A 第一类和附件 B 第一类）、哈龙（附件 A 第二类）和四氯化碳（附件 B 第二类）的生产和消费。此外，附件 C 第二类物质（氟溴烃）及第三类物质（溴氯甲烷）分别于 1996 年和 2002 年被列入《议定书》，之后立刻被逐步淘汰。

氯化碳（附件 B /第二类）的产量核算，应当注意到少量短缺是在 2015 年储存以供销毁的数量（见附件十一关于根据第 XVIII/17 和第 XXII/20 号决定编制的储存造成的超量生产和消费情况综合记录的说明）。

M. 臭氧消耗物质的原料用途

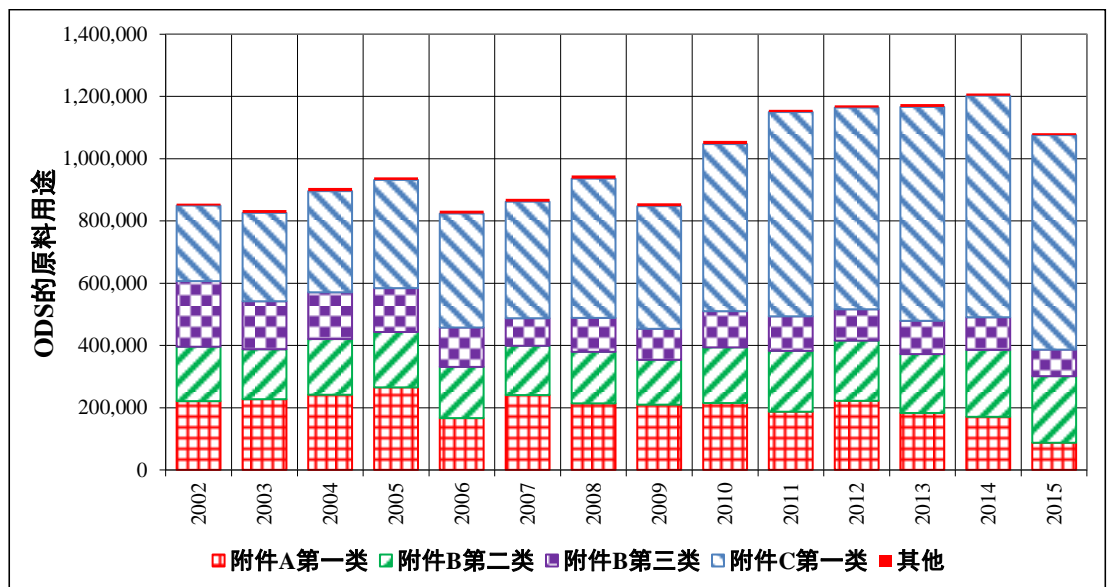
32. 本节概述关于用于原料用途的臭氧消耗物质数量的信息。¹³本报告附件十三载列关于用于原料用途¹⁴的臭氧消耗物质的数量的信息，附件十四列出了报告此类原料用途的缔约方数量。由于 2016 年的数据报告仍不完整，2016 年的汇总信息将在今后的报告中列出。

33. 图一用柱状图说明原料用途信息，而图二显示报告原料用途的缔约方数量。¹⁴如图所示，过去 14 年的总体趋势是原料用途从大约 800 000 吨逐步增加到 2014 年大约 120 万吨的峰值，然后在 2015 年小幅下降。不过，缔约方数量从 2002 年的 21 个逐步减少到 2011 年的 12 个，随后略微增加到 2014 年的 14 个。

图一

用于原料应用的臭氧消耗物质数量

（吨）

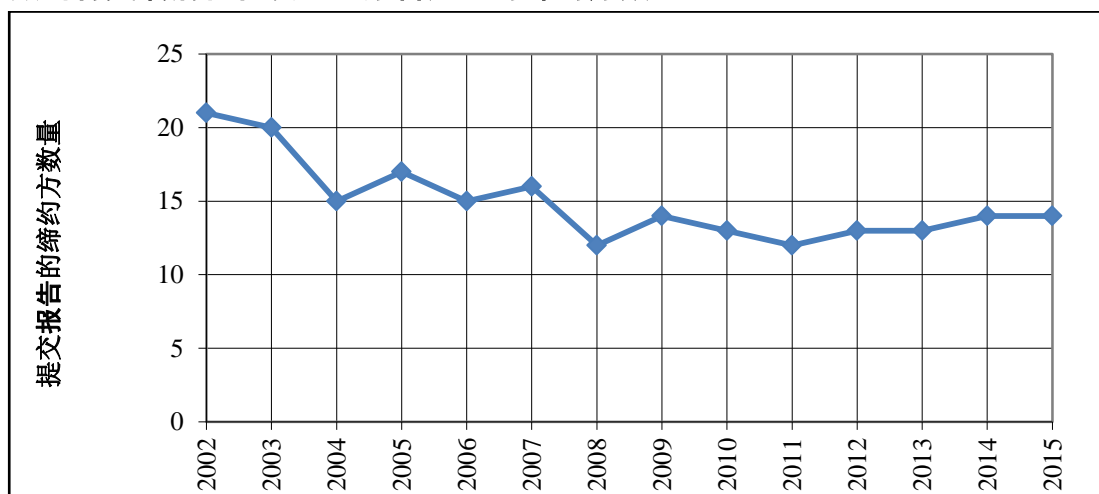


缩略语：ODS：臭氧消耗物质。

¹³ 《议定书》第 1 条明确规定，在计算生产量和消费量时应减去完全用作其他化学品制造原料的臭氧消耗物质的数量。

¹⁴ 一个国家用于原料用途的臭氧消耗物质的数量是为原料用途生产的臭氧消耗物质的数量与用于原料用途的臭氧消耗物质进口量的总和。

图二
报告将臭氧消耗物质用于原料应用的缔约方数量

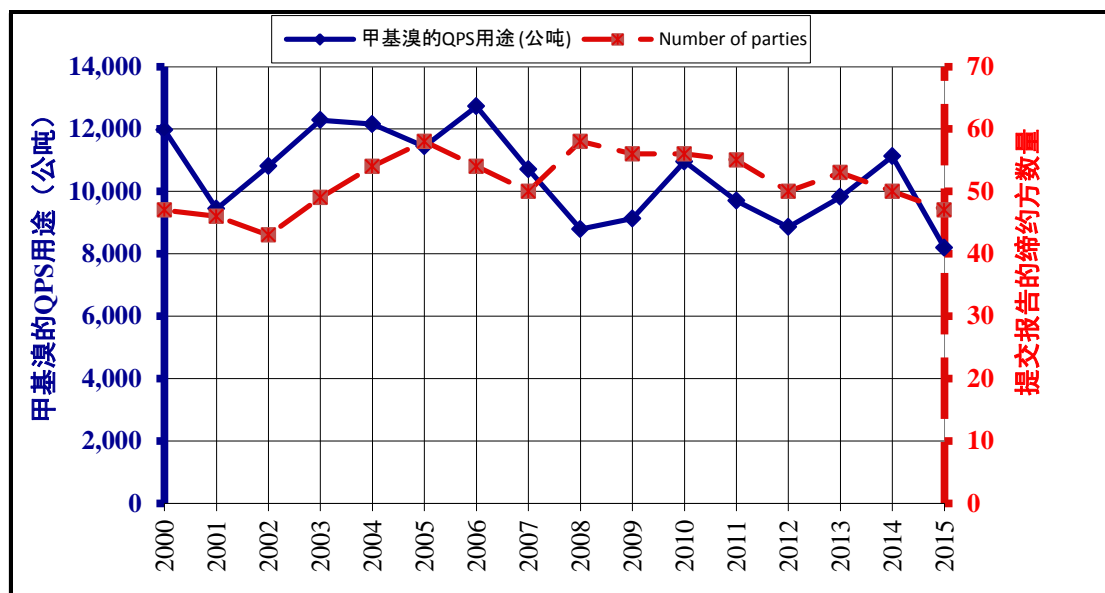


N. 甲基溴的检疫和装运前用途

34. 为便于审议甲基溴检疫和装运前用途问题，¹⁵附件十五的表格中列出了不为零的甲基溴检疫和装运前用途数据，这些数据由各缔约方在 2000-2015 年期间根据第 7 条报告，以吨为单位。由于 2016 年的数据报告仍不完整，2016 年的汇总信息将在今后的报告中列出。

35. 图三用折线图说明全球总数。该图显示，过去 15 年的总趋势是在 10 000 吨上下波动，最高约 12 700 吨，最低接近 8 200 吨。报告检疫和装运前用途的缔约方数量介于 43 至 58 个。

图三
用于检疫和装运前应用的甲基溴数量



Number of parties = 缔约方数量

¹⁵ 《议定书》第 2H 条第 6 款具体规定，本条款所规定的消费和生产计算水平不应包括缔约方用于检疫和装运前用途的数量。

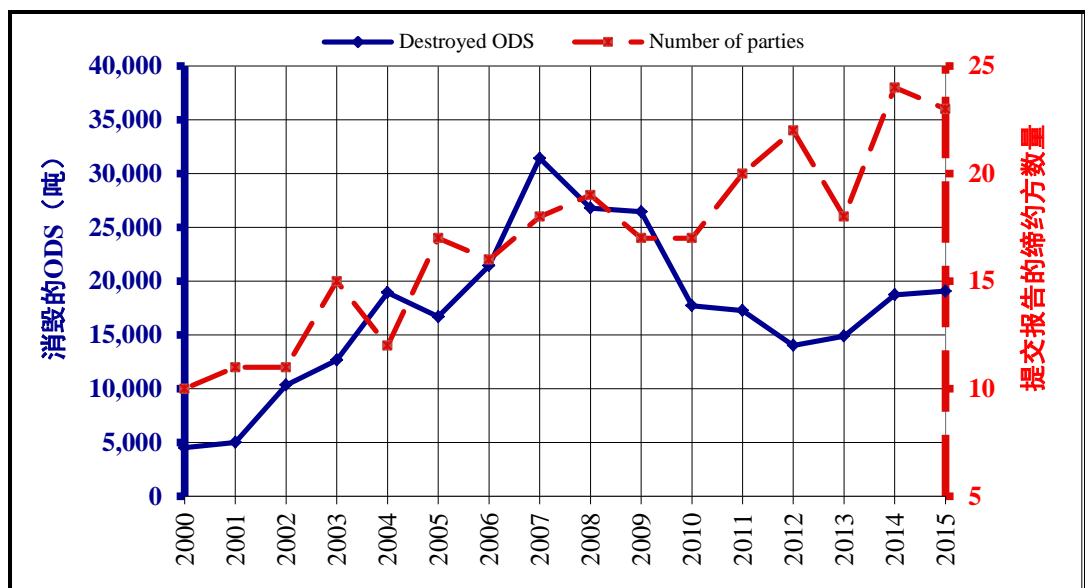
缩略语：MeBr：甲基溴；MT：公吨；QPS：检疫和装运前用途。

O. 臭氧消耗物质的销毁

36. 为便于审议已销毁的臭氧消耗物质问题，¹⁶附件十六的表格列出了不为零的臭氧消耗物质销毁数据，这些数据由各缔约方在 2000-2015 年期间根据第 7 条报告。由于 2016 年的数据报告仍不完整，2016 年的汇总信息将在今后的报告中列出。各缔约方的年度数据是当年报告的所有物质的总和，以吨为单位。

37. 图四用折线图显示该项信息的全球总数。该图显示过去 16 年的总体趋势，销毁数量从 2000 年的大约 5 000 吨增加到 2007 年大约 31 500 吨的最高值，然后逐步下降到 2012 年的大约 14 000 吨，在 2015 年又回升到近 20 000 吨。但是，报告对臭氧消耗物质进行销毁的缔约方数量从 1996 年的 6 个逐步增加到 2014 年的 24 个。

图四
臭氧消耗物质的销毁量



Destroyed ODS=销毁的 ODS；Number of parties =缔约方数量

缩略语：ODS：臭氧消耗物质。

P. 缔约方对第 XXIV/14 号决定（在第 7 条数据报告表中填零补格）的回应

38. 本节概述关于缔约方落实第 XXIV/14 号决定的信息。¹⁷表 13 显示提交了不完整的第 7 条数据表的缔约方数量，以及对秘书处后续澄清要求作出回应的缔约方数量。

39. 应注意部分缔约方在汇报数据时未提交第 7 条数据表。部分生产和消费量为零或进口量很少的缔约方以信件方式告知秘书处，而未使用正式的第 7 条

¹⁶ 1987 年签订的《蒙特利尔议定书》第 1 条规定，在计算生产量和消费量时应减去销毁的臭氧消耗物质数量。然而，根据 1990 年通过的《伦敦修正》，《议定书》第 7 条正式要求汇报使用缔约方核准的技术进行销毁的数量。

¹⁷ 缔约方会议在第 XXIV/14 号决定中请缔约方在报告产量、进口量、出口量或销毁量时，酌情在数据报告表上的每个单元格填入数字，包括数字零，而不是保留空白单元格。在该决定中，缔约方会议请秘书处要求所有提交含有空单元格报告表的缔约方作出澄清。

数据报告表，而部分按第 5 条第 1 款行事的缔约方则使用执行蒙特利尔议定书多边基金秘书处的国家方案表提交其第 7 条数据。缔约方提交国家方案表时，秘书处提取了进口、出口和生产信息，并请缔约方使用第 7 条数据报告表重新提交数据。

表 13

各缔约方对关于在第 7 条数据报告表中填零补格的第 XXIV/14 号决定的回应

活动描述	缔约方数量			
	2013	2014	2015	2016 ^a
报告年度数据	197	197	197	187
汇报数据时提交第 7 条数据表	(未统计) ^b	(未统计) ^b	160	171
提交的第 7 条数据表含部分空单元格	60	43	32	22
含部分空单元格数据表的提交率	(未统计) ^b	(未统计) ^b	20%	13%
回应秘书处的澄清要求	17	43	32	20
对秘书处的澄清要求作出回应的比率	28%	100%	100%	91%

^a 2016 年数据不完整，将在未来数据报告中更新。

^b 2015 年是秘书处就缔约方是否使用正式的第 7 条报告表汇报其第 7 条数据的情况进行记录的第一年。

40. 针对秘书处关于澄清 2015 年数据中空单元格处理情况的要求，在 2017 年 9 月 30 日之前尚未回应的缔约方名单将提交给履行委员会第五十九次会议审议。

Q. 秘书处希望提请缔约方注意的问题：修订氢氯氟碳化合物基线数据

41. 秘书处谨告知各缔约方，由于各种原因，阿富汗、摩洛哥和斯威士兰的氢氯氟碳化合物基线数据（某些情况下还包括年度数据）已经下调。对于阿富汗而言，修订的原因是排除被错误地列入基线计算的回收二氟一氯甲烷的进口量，而对于摩洛哥和斯威士兰，修订原因是排除进口预混多元醇中所含的一氟二氯乙烷数量。上述修订已告知相关缔约方，在此之前，秘书处于 2016 年 11 月至 2017 年初注意到几个缔约方不同年度报告中对于进口预混多元醇中所含回收氢氯氟碳化合物和一氟二氯乙烷的进口量数据的处理方式可能存在偏差。

42. 秘书处审查了三个缔约方在提交其相关年度（包括 2009 和 2010 年）的第 7 条数据时收到的原始来文，并与摩洛哥和斯威士兰沟通，以确认进口预混多元醇中含有的一氟二氯乙烷数量未排除在消费量计算之外。对阿富汗的 2010 年数据进行了修订，对摩洛哥的 2009 年至 2015 年数据进行了修订，并对斯威士兰的 2009 年至 2012 年数据进行了修订。下表概述为三个缔约方进行的修订。

表 14

氢氯氟碳化合物数据修订（包括对于基线年度）以排除预混多元醇中包含的回收氢氯氟碳化合物和一氟二氯乙烷

（臭氧消耗潜能吨值）

缔约方		年份						基线
		2009	2010	2011	2012	2013	2014	
阿富汗	原先的消费量	22.2	25.3					23.8
	回收二氟一氯甲烷的进口量	-	0.4					
	修订后的消费量	22.2	24.9					23.6

	原先的消费量	68	51.4	78.8	68.84	49.41	49.1	28.36	59.7
摩洛哥	预混多元醇中的一氟二氯乙烷	8.1	8.6	9.1	9.6	10.2	10.8	11.5	
	修订后的消费量	59.89	42.8	69.71	59.2	39.19	38.26	16.88	51.35
	原先的消费量	9.5	5	3.14	3.74				7.3
斯威士兰	预混多元醇中的一氟二氯乙烷	7.7	3.4	2.2	2.4				
	修订后的消费量	1.88	1.57	0.96	1.3				1.73

43. 因此，秘书处更正了氢氯氟碳化合物消费量基线的计算，以排除回收氢氯氟碳化合物的进口量，并更新了摩洛哥和斯威士兰的进口量记录信息，将以预混多元醇中含有的一氟二氯乙烷进口量排除在消费量计算之外。

44. 此外，巴基斯坦和菲律宾这两个根据《议定书》第 5 条第 1 款行事的缔约方根据第 XIII/15 和第 XV/19 号决定提交了变更氢氯氟碳化合物基线数据的请求，概述如下。

表 15

已提交的变更氢氯氟碳化合物基线数据的请求

缔约方	原先的氢氯氟碳化合物数据 (臭氧消耗潜能值吨)			新的氢氯氟碳化合物数据 (臭氧消耗潜能值吨)		
	2009	2010	基线 ^a	2009 ^a	2010 ^a	基线 ^a
巴基斯坦	239.8	255.0	247.4	240.51	255.70	248.11
菲律宾	194.7	222	208.4	162.98	160.96	161.97

^a 对于缔约方第二十三次会议之后确立的氢氯氟碳化合物基线，秘书处将数字精确到小数点后两位（第 XXIII/30 号决定）。以前报告的数据精确到小数点后一位。

45. 缔约方提交的佐证此类请求的信息将提交履行委员会第五十九次会议审议。

三、附件

46. 表 16 列出了本报告的各项附件及其内容说明。

表 16

本报告的各项附件

附件	说明
一	生产量和消费量的计算方式
二	与《议定书》及其修正相关的主要义务
三	2016 年所有缔约方的控制措施
四	臭氧消耗物质的生产和消费：2016 年与基线比较：(a) 所有缔约方概述，(b) 按第 1 条第 5 款行事的缔约方，(c) 非按第 1 条第 5 款行事的缔约方
五	臭氧消耗物质的生产和消费：2015 年与基线比较：(a) 所有缔约方概述，(b) 按第 5 条第 1 款行事的缔约方，(c) 非按第 5 条第 1 款行事的缔约方
六	臭氧消耗物质的生产和消费：2015 和 2016 年与基线比较：按区域概述
七	臭氧消耗物质的生产、进口和出口：2015 和 2016 年与基线比较

附件	说明
八	2015 和 2016 年新的和回收的臭氧消耗物质的进出口
九	2015 和 2016 年缔约方进口和出口的回收的臭氧消耗物质
十	2015 和 2016 年臭氧消耗物质的实验室和分析用途
十一	根据第 XVIII/17 和第 XXII/20 号决定编写的储存造成的超量生产和消费情况综合记录
十二	氯氟碳化合物、哈龙、四氯化碳和其他逐步淘汰物质的生产
十三	已报告的臭氧消耗物质原料用途
十四	报告臭氧消耗物质原料用途的缔约方数量
十五	缔约方报告的用于检疫和装运前用途的甲基溴消费量
十六	缔约方报告的臭氧消耗物质的销毁情况

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.

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

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

**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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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				
Bll - 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>							
Bll - 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
El - 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				
Bll - Carbon Tetrachloride	-249.4	14,094.3	-100				
Cl - Hydrochlorofluorocarbons (HCFCs)	-5.65	2,755.80	-100				
Cll - 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
Bl - Other Fully Halogenated CFCs	-2.0	577.0	-100	-2.0	571.0	-100	0.0000
Bll - Carbon Tetrachloride	-139.3	56,036.2	-100	-139.3	11,924.0	-100	-0.0004
Blll - 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
Cll - Hydrobromofluorocarbons (HBFCs)	0.7		-	0.7		-	0.0000
El - 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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** Consumption and Production numbers are rounded to a uniform number of decimal places.

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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

* 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	
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.

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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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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.
 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 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
AII - 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
AII - 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)**

	<u>PRODUCTION**</u>			<u>CONSUMPTION**</u>			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				
BII - 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				
BI - Other Fully Halogenated CFCs	-14.0	61.0	-100				
BII - 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
CIII - Bromochloromethane	-7.2		-100	-7.2		-100	-0.0009
EI - 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
BII - 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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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 Non-A5 WEUR EU Member - Population*: 10,787							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.00	-100				
Romania - Date Reported: 10-Oct-2016 Non-A5 EEUR EU Member - Population*: 20,787							
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 Non-A5 EEUR CEIT - Population*: 137,983							
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 Non-A5 WEUR - Population*: 32							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	0.20	-100	0.00	0.40	-100	0.0000
Slovakia - Date Reported: 7-Jun-2016 Non-A5 EEUR CEIT EU Member - Population*: 5,437							
Cl - Hydrochlorofluorocarbons (HCFCs)	-0.27	29.10	-100				
Slovenia - Date Reported: 23-May-2016 Non-A5 EEUR CEIT EU Member - Population*: 2,044							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	34.00	-100				
Spain - Date Reported: 5-Jul-2016 Non-A5 WEUR EU Member - Population*: 47,203							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	1,345.60	-100				
Sweden - Date Reported: 1-Oct-2016 Non-A5 WEUR EU Member - Population*: 9,498							
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 Non-A5 WEUR - Population*: 7,736							
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 Non-A5 ASIA CEIT - Population*: 7,761							
Cl - Hydrochlorofluorocarbons (HCFCs)	0.00	9.40	-100	1.66	18.70	-91.12	0.0002
Ukraine - Date Reported: 7-Jul-2016 Non-A5 EEUR CEIT - Population*: 44,165							
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 Non-A5 WEUR EU Member - Population*: 63,528							
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 Non-A5 WEUR - Population*: 332,334							
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 Non-A5 ASIA CEIT - Population*: 29,456							
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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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 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)**

	<u>PRODUCTION**</u>			<u>CONSUMPTION**</u>			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

* 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 | 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.

	<u>PRODUCTION**</u>			<u>CONSUMPTION**</u>			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

** 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 VIIb - 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

** 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 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.
- 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 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.

	<u>PRODUCTION</u>			<u>IMPORTS</u>			<u>EXPORTS</u>		
	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
All - 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
All - 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
All - 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 (CHFBr ₂)	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 (CH ₂ Br ₂)	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
2013	USA	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
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.