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## Conference of the Parties serving as the meeting of the Parties to the Kyoto Protocol

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Item 9(c) of the provisional agenda

**Reporting from and review of Parties included in Annex I<sup>1</sup>**

**Annual compilation and accounting report for Annex B Parties under the Kyoto Protocol**

## **Annual compilation and accounting report for Annex B Parties under the Kyoto Protocol for 2014**

**Note by the secretariat\***

### *Summary*

The Conference of the Parties serving as the meeting of the Parties to the Kyoto Protocol, by decision 13/CMP.1, requested the secretariat to begin publishing annual compilation and accounting reports after completion of the initial review under Article 8 of the Kyoto Protocol and resolution of any questions of implementation or disagreements relating to adjustments and/or corrections. The secretariat published the first report in 2008, which contained the initial accounting parameters. Since 2009, the report, in addition to the key initial accounting parameters, has also contained information on: (a) total greenhouse gas (GHG) emissions from the sources listed in Annex A to the Kyoto Protocol; (b) GHG emissions and removals from land use, land-use change and forestry activities under Article 3, paragraph 3, of the Kyoto Protocol and elected activities under Article 3, paragraph 4, of the Kyoto Protocol; and (c) transactions and holdings of Kyoto Protocol units. Part of the information contained in this document is based on final data recorded in the compilation and accounting database; the rest is based on data in the 2014 annual submissions of Parties to the Convention that are also Parties to the Kyoto Protocol with commitments inscribed in Annex B to the Kyoto Protocol as at 20 October 2014, the values of which are provisional. The final values will be made available upon completion of the annual review for 2014 and resolution of any questions of implementation

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<sup>1</sup> The term “Party included in Annex I” is defined in Article 1, paragraph 7, of the Kyoto Protocol.

\* This document was submitted after the due date in order to take into account the latest submissions from Parties.

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## **I. Introduction**

### **A. Mandate**

1. Parties to the Convention that are also Parties to the Kyoto Protocol with commitments inscribed in Annex B to the Kyoto Protocol (Annex B Parties) were required to start reporting supplementary information under Article 7, paragraph 1, of the Kyoto Protocol with the inventory submission due under the Convention for the first year of the commitment period after the Protocol had entered into force for that Party (decision 15/CMP.1). They could also start reporting such information on a voluntary basis from the year following the submission of the information referred to in decision 13/CMP.1, annex, paragraph 6. The information reported shall include the following:

(a) Greenhouse gas (GHG) emissions from the sources listed in Annex A to the Kyoto Protocol, submitted as part of the annual GHG inventory;

(b) Anthropogenic GHG emissions by sources and removals by sinks from land use, land-use change and forestry (LULUCF) activities under Article 3, paragraph 3, and, if elected, activities under Article 3, paragraph 4, of the Kyoto Protocol;

(c) Transactions and holdings of Kyoto Protocol units: emission reduction units (ERUs), certified emission reductions (CERs), temporary certified emission reductions (tCERs), long-term certified emission reductions, assigned amount units (AAUs) and removal units (RMUs).

2. The Conference of the Parties serving as the meeting of the Parties to the Kyoto Protocol (CMP), by decision 13/CMP.1, requested the secretariat to begin publishing the annual compilation and accounting reports referred to in paragraph 61 of the annex to that decision after completion of the initial review under Article 8 of the Kyoto Protocol and resolution of any questions of implementation relating to adjustments under Article 5, paragraph 2, or to the assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol, and to forward such reports to the CMP, the Compliance Committee and each Party concerned.

### **B. Scope of the note**

3. The secretariat has published seven compilation and accounting reports for Annex B Parties to date. The first report<sup>2</sup> containing information on initial accounting parameters for most Annex B Parties, was published in 2008. The subsequent reports,<sup>3</sup> containing information on relevant supplementary information reported under Article 7, paragraph 1, of the Kyoto Protocol, in addition to the initial accounting parameters, were published annually from 2009 to 2013. This document is the seventh report and contains the same information for 2014.

4. As at 20 October 2014, the initial reviews had been completed for all 37 Annex B Parties. Belarus has submitted its initial report, but the review of the report has not been

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<sup>2</sup> FCCC/KP/CMP/2008/9/Rev.1 and FCCC/KP/CMP/2008/9/Add.1 and Add.1/Corr.1.

<sup>3</sup> FCCC/KP/CMP/2009/15 and Add.1, FCCC/KP/CMP/2010/5 and Add.1, FCCC/KP/CMP/2011/8 and Add.1, FCCC/KP/CMP/2012/9 and Add.1 and FCCC/KP/CMP/2013/6 and Add.1.

initiated because the amendment to include Belarus in Annex B to the Kyoto Protocol (with a quantified emission reduction commitment of 92 per cent) has not yet entered into force.<sup>4</sup>

5. This annual compilation and accounting report for 2014 covers all 37 Annex B Parties. In addition to the initial accounting parameters, the report includes an overview of the following annual information reported by those Parties in 2013 and reviewed as at 20 October 2014:<sup>5</sup> (a) total GHG emissions from the sources listed in Annex A to the Kyoto Protocol reported for 2011; (b) GHG emissions and removals from LULUCF activities under Article 3, paragraph 3, and elected activities under Article 3, paragraph 4, of the Kyoto Protocol for 2011; and (c) transactions and holdings of Kyoto Protocol units as at 31 December 2012. The report also provides the following provisional information as reported by Parties in 2014: (a) total GHG emissions from the sources listed in Annex A to the Kyoto Protocol reported for 2011 and 2012; (b) GHG emissions and removals from LULUCF activities under Article 3, paragraph 3, and elected activities under Article 3, paragraph 4, of the Kyoto Protocol for 2011 and 2012; and (c) transactions and holdings of Kyoto Protocol units as at 31 December 2013. This report is interim in nature because some of the information presented, particularly that reported in 2014, is provisional. The final values will be made available upon completion of the annual review of the information reported in 2014 and resolution of any questions of implementation or disagreements relating to adjustments and/or corrections, and will be presented in future reports, as appropriate.

6. Information is also provided on the eligibility of the 37 Annex B Parties to participate in the flexibility mechanisms under the Kyoto Protocol.

7. Detailed information on assigned amounts of individual Annex B Parties, as well as other accounting information provided under the Kyoto Protocol, is contained in document FCCC/KP/CMP/2014/7/Add.1. The full annual submissions of GHG inventories and accounting information from Parties, and the compilation and accounting data module of the GHG data interface, are available on the UNFCCC website.<sup>6</sup>

### **C. Possible action by the Conference of the Parties serving as the meeting of the Parties to the Kyoto Protocol**

8. The CMP may wish to consider the information contained in this document and to refer it to the Subsidiary Body for Implementation for its consideration with a view to providing the CMP with recommendations for further action, if required.

## **II. Status of reporting and eligibility**

### **A. Status of annual submissions and review process**

9. As at 20 October 2014, all 37 Annex B Parties had submitted their annual GHG inventories, including both the common reporting format tables and the national inventory reports, for the period from the base year to 2012. All of those Parties had also submitted

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<sup>4</sup> CMP 3 requested the Subsidiary Body for Implementation to consider the matter of a review of the initial report of Belarus before the entry into force of the amendment upon fulfilment of certain conditions (see document FCCC/KP/CMP/2007/9, paras. 159 and 160).

<sup>5</sup> As at 20 October 2014, the annual review for 2013 had been finalized for all 37 Annex B Parties, except Portugal and the Russian Federation.

<sup>6</sup> <[http://unfccc.int/national\\_reports/annex\\_i\\_ghg\\_inventories/national\\_inventories\\_submissions/items/8108.php](http://unfccc.int/national_reports/annex_i_ghg_inventories/national_inventories_submissions/items/8108.php)> and <<http://unfccc.int/di/FlexibleCADQueries.do>>.

information on GHG emissions and removals from LULUCF activities under Article 3, paragraph 3, and elected activities under Article 3, paragraph 4, of the Kyoto Protocol and standard electronic format (SEF) tables for the period from 1 January to 31 December 2013.

10. The annual reviews of the information reported under Article 7, paragraph 1, of the Kyoto Protocol by Annex B Parties in 2014 have been initiated and at the time of the preparation of this document were still in progress.

## B. Status of eligibility

11. Table 1 shows the status of eligibility of Annex B Parties to participate in the flexibility mechanisms under the Kyoto Protocol pursuant to decisions 3/CMP.1, 9/CMP.1, 11/CMP.1 and 15/CMP.1 as at 20 October 2014. All Annex B Parties are eligible to participate in the flexibility mechanisms with respect to the first commitment period.<sup>7</sup>

12. The status of eligibility will be updated in the compilation and accounting database once the annual review of the information reported in 2014 has been completed and questions of implementation, if any, have been resolved.

Table 1

### Status of eligibility of Annex B Parties to participate in the Kyoto Protocol mechanisms

<i>Annex B Party</i>	<i>Status</i>	<i>Last change in eligibility status (date and time)<sup>a</sup></i>
Australia	E	11 July 2009, 00:00:01
Bulgaria	E	4 February 2011, 15:42:12
Croatia	E	8 February 2012, 09:53:32
Czech Republic	E	24 February 2008, 00:00:01
Estonia	E	15 April 2008, 00:00:01
European Union <sup>b</sup>	E	18 April 2008, 00:00:01
Austria	E	5 April 2008, 00:00:01
Belgium	E	22 April 2008, 00:00:01
Denmark	E	20 April 2008, 00:00:01
Finland	E	22 April 2008, 00:00:01
France	E	21 April 2008, 00:00:01
Germany	E	27 April 2008, 00:00:01
Greece	E	14 November 2008, 09:00:00
Ireland	E	19 April 2008, 00:00:01
Italy	E	19 April 2008, 00:00:01
Luxembourg	E	29 April 2008, 00:00:01
Netherlands	E	21 April 2008, 00:00:01
Portugal	E	28 April 2008, 00:00:01
Spain	E	19 April 2008, 00:00:01
Sweden	E	19 April 2008, 00:00:01
United Kingdom	E	11 April 2008, 00:00:01
Hungary	E	30 December 2007, 00:00:01
Iceland	E	11 May 2008, 00:00:01
Japan	E	30 December 2007, 00:00:01
Latvia	E	29 April 2008, 00:00:01

<sup>7</sup> Rules on eligibility with respect to the second commitment period are contained in decision 1/CMP.8, section IV.

<i>Annex B Party</i>	<i>Status</i>	<i>Last change in eligibility status (date and time)<sup>a</sup></i>
Liechtenstein	E	22 April 2008, 00:00:01
Lithuania	E	24 October 2012, 10:47:02
Monaco	E	7 September 2008, 00:00:01
New Zealand	E	31 December 2007, 00:00:01
Norway	E	22 April 2008, 00:00:01
Poland	E	29 April 2008, 00:00:01
Romania	E	13 July 2012, 12:42:59
Russian Federation	E	20 June 2008, 00:00:01
Slovakia	E	4 February 2008, 00:00:01
Slovenia	E	22 April 2008, 00:00:01
Switzerland	E	10 March 2008, 00:00:01
Ukraine	E	9 March 2012, 15:32:22

*Abbreviation:* E = considered to meet the eligibility requirements under: Article 6 of the Kyoto Protocol, pursuant to decision 9/CMP.1, annex, paragraph 22; Article 12, pursuant to decision 3/CMP.1, annex, paragraph 32; and Article 17, pursuant to decision 11/CMP.1, annex, paragraph 3.

<sup>a</sup> All times are in Greenwich Mean Time.

<sup>b</sup> The Parties listed under the European Union were the 15 member States at the time of the deposit by the European Community of its instrument of approval to the Kyoto Protocol on 31 May 2002.

### III. Main accounting parameters

#### A. Key initial accounting parameters

13. The definitions of the base year chosen for the accounting of fluorinated gases (F-gases) (hydrofluorocarbons, perfluorocarbons and sulphur hexafluoride), the GHG emissions from the sources listed in Annex A to the Kyoto Protocol in the base year and the assigned amounts established pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol are provided in table 2.

Table 2

#### Base year emissions and assigned amounts for the first commitment period of the Kyoto Protocol

<i>Party</i>	<i>Base year defined under the Kyoto Protocol<sup>a</sup></i>		<i>Base year emissions<sup>b</sup> (t CO<sub>2</sub> eq)</i>	<i>Emission reduction/limitation target, % of base year level</i>		<i>Assigned amount (t CO<sub>2</sub> eq)</i>
	<i>CO<sub>2</sub>, CH<sub>4</sub> and N<sub>2</sub>O</i>	<i>F-gases</i>		<i>Annex B</i>	<i>Article 4<sup>c</sup></i>	
Australia	1990	1990	547 699 841	108	–	2 957 579 143
Bulgaria	1988	1995	132 618 658	92	–	610 045 827
Croatia	1990	1990	31 321 790	95	–	148 778 503
Czech Republic	1990	1995	194 248 218	92	–	893 541 801
Estonia	1990	1995	42 622 312	92	–	196 062 637
European Union	1990	1990 or 1995	4 265 517 719	92	92	19 621 381 509
Austria	1990	1990	79 049 657	92	87	343 866 009
Belgium	1990	1995	145 728 763	92	92.5	673 995 528
Denmark	1990	1995	69 978 070	92	79	276 838 955
Finland	1990	1995	71 003 509	92	100	355 017 545
France	1990	1990	563 925 328	92	100	2 819 626 640

Party	Base year defined under the Kyoto Protocol <sup>a</sup>		Base year emissions <sup>b</sup> (t CO <sub>2</sub> eq)	Emission reduction/limitation target, % of base year level		Assigned amount (t CO <sub>2</sub> eq)
	CO <sub>2</sub> , CH <sub>4</sub> and N <sub>2</sub> O	F-gases		Annex B	Article 4 <sup>c</sup>	
Germany	1990	1995	1 232 429 543	92	79	4 868 096 694
Greece	1990	1995	106 987 169	92	125	668 669 806
Ireland	1990	1995	55 607 836	92	113	314 184 272
Italy	1990	1990	516 850 887	92	93.5	2 416 277 898
Luxembourg	1990	1995	13 167 499	92	72	47 402 996
Netherlands	1990	1995	213 034 498	92	94	1 001 262 141
Portugal	1990	1995	60 147 642	92	127	381 937 527
Spain	1990	1995	289 773 205	92	115	1 666 195 929
Sweden	1990	1995	72 151 646	92	104	375 188 561
United Kingdom	1990	1995	779 904 144	92	87.5	3 412 080 630
Hungary	1985–1987	1995	115 397 149	94	–	542 366 600
Iceland	1990	1990	3 367 972	110	–	18 523 847
Japan	1990	1995	1 261 331 418	94	–	5 928 257 666
Latvia	1990	1995	25 909 159	92	–	119 182 130
Liechtenstein	1990	1990	229 483	92	–	1 055 623
Lithuania	1990	1995	49 414 386	92	–	227 306 177
Monaco	1990	1995	107 658	92	–	495 221
New Zealand	1990	1990	61 912 947	100	–	309 564 733
Norway	1990	1990	49 619 168	101	–	250 576 797
Poland	1988	1995	563 442 774	94	–	2 648 181 038
Romania	1989	1989	278 225 022	92	–	1 279 835 099
Russian Federation	1990	1995	3 323 419 064	100	–	16 617 095 319
Slovakia	1990	1990	72 050 764	92	–	331 433 516
Slovenia	1986	1995	20 354 042	92	–	93 628 593
Switzerland	1990	1990	52 790 957	92	–	242 838 402
Ukraine	1990	1990	920 836 933	100	–	4 604 184 663
<b>Total<sup>d</sup></b>	–	–	<b>12 012 437 434</b>	–	–	<b>57 641 914 844</b>

*Abbreviation:* F-gases = fluorinated gases.

<sup>a</sup> Parties included in Annex I may choose to use 1995 as the base year for total emissions of fluorinated gases (hydrofluorocarbons, perfluorocarbons and sulphur hexafluoride), in accordance with Article 3, paragraph 8, of the Kyoto Protocol. For the European Union, individual member States have elected either 1990 or 1995 as their base year.

<sup>b</sup> Refers to the total base year greenhouse gas emissions used for calculation of assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol. Note that the following Parties included net emissions from land use, land-use change and forestry (deforestation) in their total greenhouse gas emissions for the base year in accordance with decision 13/CMP.1, annex, paragraph 5(b): Australia: 131,544,513 t CO<sub>2</sub> eq; Ireland: 4,719 t CO<sub>2</sub> eq; Netherlands: 38,676 t CO<sub>2</sub> eq; Portugal: 981,203 t CO<sub>2</sub> eq; and United Kingdom of Great Britain and Northern Ireland: 365,593 t CO<sub>2</sub> eq.

<sup>c</sup> For the first commitment period, 15 member States of the European Union agreed to meet their targets jointly in accordance with Article 4, paragraph 1, of the Kyoto Protocol.

<sup>d</sup> The total includes the assigned amount of the European Union but does not include the assigned amounts of the individual member States, in order to avoid double counting.

**1. Total base year greenhouse gas emissions used for calculation of assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol**

14. In accordance with Article 3, paragraph 8, of the Kyoto Protocol, any Party included in Annex I may use 1995 as its base year for F-gases for the purpose of calculating its assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol. Consequently, 23 Annex B Parties elected to use 1995 as the base year for F-gases, while the remaining Parties, excluding the European Union, used the same base year for all GHGs. For the European Union, individual member States have elected either 1990 or 1995 as their base year for F-gases.

15. The total GHG emissions for 36 Annex B Parties<sup>8</sup> in the base year<sup>9</sup> amounted to 12,012.4 million tonnes of carbon dioxide equivalent (Mt CO<sub>2</sub> eq), including total GHG emissions of 11,879.5 Mt CO<sub>2</sub> eq from the sources listed in Annex A to the Kyoto Protocol and emissions from LULUCF (net emissions and removals in the base year from the conversion of forests (deforestation)) of 132.9 Mt CO<sub>2</sub> eq.

**2. Assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol**

16. The assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol for the first commitment period for a Party is calculated as the percentage inscribed for it in Annex B to the Kyoto Protocol of its aggregate anthropogenic CO<sub>2</sub> eq emissions of the GHGs from sources listed in Annex A to the Kyoto Protocol in the base year, multiplied by five. In accordance with Article 4, paragraph 1, of the Kyoto Protocol, the assigned amounts for 15 European Union member States have been calculated under the burden-sharing agreement of the European Union for meeting commitments under the Kyoto Protocol. On the basis of the information provided in the initial reports, assigned amounts for the first commitment period (2008–2012) were established for the 37 Annex B Parties (including the European Union).

17. For the first commitment period, the total assigned amount for 36<sup>10</sup> Annex B Parties taken together is 57,641,914,844 t CO<sub>2</sub> eq. The total assigned amount for the European Union for the first commitment period is 19,621,381,509 t CO<sub>2</sub> eq.

**B. Greenhouse gas emissions and removals in 2011 and 2012**

**1. Emissions from sources listed in Annex A to the Kyoto Protocol in 2011 and 2012**

18. According to the information submitted by Annex B Parties in 2014, the total GHG emissions of Annex B Parties from sources listed in Annex A to the Kyoto Protocol in 2012 amounted to 9,299.7 Mt CO<sub>2</sub> eq. This is 22.6 per cent lower than the base year level defined under the Kyoto Protocol and 0.2 per cent lower than the 2011 level (see figure 1).

**2. Differences in the data for 2011 for emissions from Annex A sources between the 2013 and 2014 submissions**

19. Two sets of data for GHG emissions from sources listed in Annex A to the Kyoto Protocol are considered in this report: the values reported in the 2013 submissions, which have been reviewed and recorded in the compilation and accounting database, and the

<sup>8</sup> The total includes emissions of the European Union but excludes emissions of the individual member States, in order to avoid double counting.

<sup>9</sup> The total GHG emissions in the base year refers to the total GHG emissions that were used for calculation of assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol.

<sup>10</sup> The total includes the assigned amount of the European Union but does not include the assigned amounts of the individual member States, in order to avoid double counting.

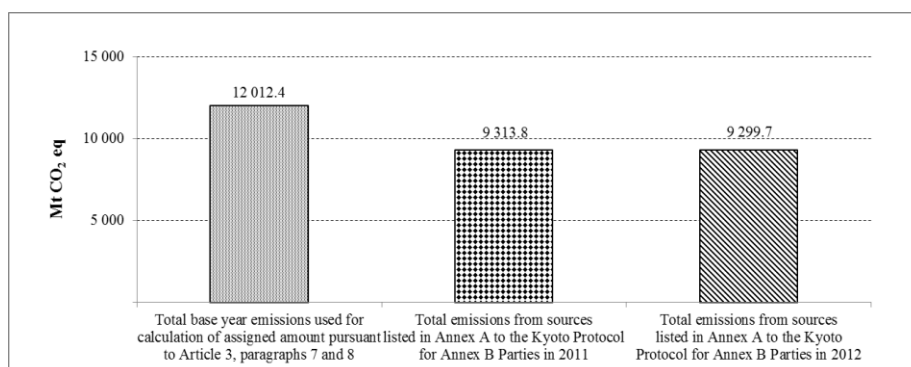


values reported in the 2014 submissions, which are the latest available data, the review of which was still in progress at the time of the preparation of this document.

20. Total GHG emissions from sources listed in Annex A to the Kyoto Protocol for 2011 as reported by Parties in 2014 amounted to 9,313.8 Mt CO<sub>2</sub> eq. This is 0.3 per cent lower than the value reported by Annex B Parties in 2013 (9,339.1 Mt CO<sub>2</sub> eq) and reviewed by the expert review teams. This change in value is due primarily to the recalculations that Parties applied to their GHG inventories.

Figure 1

**Total greenhouse gas emissions for Annex B Parties from sources listed in Annex A to the Kyoto Protocol in 2011 and 2012**



*Note:* The values for the total greenhouse gas emissions from sources listed in Annex A to the Kyoto Protocol for Annex B Parties in 2011 and 2012, which are based on information submitted in 2014, are presented here provisionally and may change depending on the outcomes of the ongoing annual reviews.

### 3. Greenhouse gas emissions and removals from land use, land-use change and forestry activities

21. Twenty-eight Parties chose to account for LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol for the entire commitment period (accounting once at the end of the commitment period) and eight chose to account for them annually. Twelve Parties elected not to account for any of the LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol, while the other Parties chose to account for at least one of them (see table 3).

Table 3

**Summary of methods chosen by Parties in accounting for activities under Article 3, paragraph 4, of the Kyoto Protocol**

Activity under Article 3, paragraph 4, of the Kyoto Protocol	Number of Parties by type of accounting period elected		
	No accounting	Annually	Entire commitment period
Forest management	13	5	18
Cropland management	33	1	2
Grazing land management	34	1	1
Revegetation	33	0	3

*Note:* The table does not include the European Union, as the Party does not have specific values for the parameters because the land use, land-use change and forestry activities and accounting periods elected for those activities under Article 3, paragraph 4, of the Kyoto Protocol are different for each member State.

22. In accordance with decision 15/CMP.1, Annex B Parties are required to include in their annual GHG inventories information on anthropogenic GHG emissions by sources and removals by sinks from LULUCF activities under Article 3, paragraph 3, and, if any, elected activities under Article 3, paragraph 4, of the Kyoto Protocol at the time when the inventory submission under the Convention is due for the first year of the commitment period of the Kyoto Protocol. As at 20 October 2014, all 37 Annex B Parties had reported such information. Table 4 shows a summary of the information provided pursuant to decision 16/CMP.1 on the total net anthropogenic GHG emissions and removals for Annex B Parties from each of the LULUCF activities under Article 3, paragraphs 3 and 4, of the Kyoto Protocol for 2011 and 2012.

Table 4

**Summary of total net anthropogenic greenhouse gas emissions and removals for Annex B Parties from land use, land-use change and forestry activities under Article 3, paragraphs 3 and 4, of the Kyoto Protocol for 2011 and 2012**

<i>Land use, land-use change and forestry activity under Article 3, paragraphs 3 and 4, of the Kyoto Protocol</i>	<i>Number of reporting Parties</i>	<i>Net greenhouse gas emissions or removals (t CO<sub>2</sub> eq) in 2011</i>	<i>Net greenhouse gas emissions or removals (t CO<sub>2</sub> eq) in 2012</i>
<b>Article 3, paragraph 3, activities</b>			
Afforestation and reforestation	36	-99 068 405	-93 060 921
Deforestation	36	95 710 684	91 955 285
Net emissions or removals		-3 357 720	-1 105 636
<b>Article 3, paragraph 4, activities</b>			
Forest management	24	-1 025 891 046	-1 031 268 146
Cropland management	4	2 111 407	1 716 241
Grazing land management	3	245 837	491 390
Revegetation	3	-2 868 068	-2 902 718
Net emissions or removals		-1 026 401 870	-1 031 963 233

23. As at 31 December 2013, eight Parties had issued 522,124,873 RMUs into their national registries resulting from their activities under Article 3, paragraph 3, and elected activities under Article 3, paragraph 4, of the Kyoto Protocol, accounted in accordance with decisions 13/CMP.1 and 16/CMP.1.

**4. Difference in the data for 2011 for emissions and removals from land-use, land-use change and forestry activities between the 2013 and 2014 submissions**

24. There are two sets of data for GHG emissions from LULUCF activities under Article 3, paragraph 3, and elected activities under Article 3, paragraph 4, of the Kyoto Protocol for 2011: values reported in the 2013 submissions, which have been reviewed and recorded in the compilation and accounting database, and values reported in the 2014 submissions, which are the latest available data, the review of which was still in progress at the time of the preparation of this document.

25. Total net GHG emissions and removals from the above-mentioned activities for 2011 as reported by Parties in 2014 amounted to -1,029,759,591 t CO<sub>2</sub> eq. These net GHG removals are 3.1 per cent higher than those reported in 2013 (-997,536,108 t CO<sub>2</sub> eq). This change in value was caused primarily by the recalculations that Parties applied to their GHG inventories.

## C. Transactions and holdings of Kyoto Protocol units

26. This section provides a provisional overview<sup>11</sup> of additions to, and subtractions from, the assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol at the end of 2013 for the 36 Annex B Parties that reported their SEF tables with information on Kyoto Protocol units in 2014. Monaco did not need to report such information in 2014, because it had not transferred or acquired any Kyoto Protocol units prior to 1 January 2014.<sup>12</sup> Nevertheless, Monaco submitted its SEF tables in 2014.

### 1. Transactions of Kyoto Protocol units

27. Decision 14/CMP.1 classifies transactions of Kyoto Protocol units into two categories: internal and external. An internal transaction does not involve another national registry, whereas an external transaction involves the transaction of Kyoto Protocol units from one national registry to another.

28. Between 1 January and 31 December 2013, 25 Parties executed at least one form of internal transaction. The transactions were mainly related to: (a) issuance and/or conversion of Kyoto Protocol units in relation to joint implementation projects under Article 6 of the Kyoto Protocol; and (b) cancellation of Kyoto Protocol units, which were reported under the “other cancellation” accounts. Sixteen Parties issued 183,715,664 ERUs into their registries by converting the same amount of AAUs previously issued and held in their national registries, and six Parties issued 47,303,422 RMUs into their national registries. Fifteen Parties, of which six are European Union member States, transferred 12,103,688 AAUs in aggregate into the “other cancellation” accounts. Seventeen Parties, of which eleven are European Union member States, transferred a total quantity of 1,519,466 CERs into the “other cancellation” accounts. Finally, seven Parties, five of which are European Union member States, transferred 399,525 ERUs into the “other cancellation” accounts.

29. A summary of information on the total quantities of Kyoto Protocol units and the number of Parties involved in external transactions that occurred between 1 January and 31 December 2013 is provided in table 5.

Table 5

#### Total Kyoto Protocol units acquired or transferred through external transactions between 1 January and 31 December 2013

Transaction type		Kyoto Protocol units by external transaction type (Mt CO <sub>2</sub> eq)					
		AAUs	ERUs	RMUs	CERs <sup>a</sup>	tCERs	ICERs
Addition	Quantities acquired or forwarded <sup>b</sup>	278.4	697.2	0.0	463.9	3.7	0.0
	Parties involved	18	32	0	31	7	0
Subtraction	Quantities	278.4	655.4	0.0	230.5	0.0	0.0
	Parties involved	30	29	0	32	1	0

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, RMUs = removal units, tCERs = temporary certified emission reductions.

<sup>a</sup> CERs are forwarded by the clean development mechanism registry.

<sup>b</sup> The figures do not include data on external transactions reported by the 15 individual member States of the European Union, in order to avoid double counting.

<sup>11</sup> At the time of the preparation of this document, the annual review of the information reported by Annex B Parties in 2014 was still in progress.

<sup>12</sup> Decision 14/CMP.1, annex, paragraph 3.

## 2. Holdings of Kyoto Protocol units by holding account type as at 31 December 2013

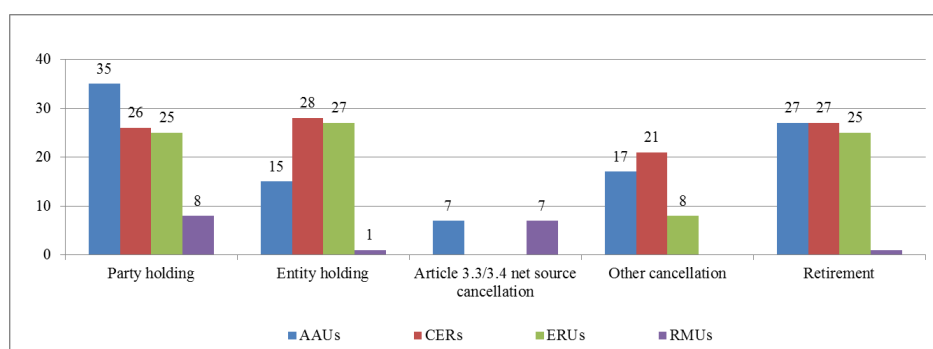
30. For the 36 Annex B Parties that reported information on Kyoto Protocol units pursuant to decisions 13/CMP.1 and 15/CMP.1, there were 57,403.8 million Kyoto Protocol units<sup>13</sup> by the end of 2013, which included 55,073 million AAUs, 644.1 million ERUs, 613.3 million RMUs, 1,067.6 million CERs and 6 million tCERs in the different holding accounts, including different cancellation and retirement accounts.

31. Figure 2 shows the number of Parties that hold Kyoto Protocol units in different account types. A summary of the total quantities of the different Kyoto Protocol units by account type, as at 31 December 2013, for 36 Annex B Parties is provided in table 6. Table 7 shows the breakdown of total Kyoto Protocol units by Party.

32. Detailed information on the status of accounts for each Annex B Party can be found in document FCCC/KP/CMP/2014/7/Add.1.

Figure 2

### Number of Annex B Parties holding Kyoto Protocol units by account type in 2013



*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, RMUs = removal units.

Table 6

### Summary of total quantities<sup>a</sup> of Kyoto Protocol units by account type for Annex B Parties as at 31 December 2013

Account type	Total quantities by unit type (Mt CO <sub>2</sub> eq)					
	AAUs	ERUs	RMUs	CERs	tCERs	lCERs
Party holding	46 559.0	322.1	522.1	393.0	4	0
Entity holding	125.6	169.7	1.0	146.4	2	0
Article 3, paragraphs 3 and 4, net source	143.0	0	89.8	0	0	0
Non-compliance cancellation	0	0	0	0	0	0
Other cancellation	3.0	0.566	0	7.1	0	0
Retirement	8 242.3	151.8	0.288	521.1	0	0
tCER replacement for expiry	0	0	0	0	0	0
lCER replacement for expiry	0	0	0	0	0	0
lCER replacement for reversal in storage	0	0	0	0	0	0
lCER replacement for non-submission of CR	0	0	0	0	0	0
<b>Total</b>	<b>55 073.0</b>	<b>644.1</b>	<b>613.3</b>	<b>1 067.6</b>	<b>6</b>	<b>0</b>

<sup>13</sup> The total does not include data reported by the 15 individual member States of the European Union in order to avoid double counting.

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, CR = certification report, ERUs = emission reduction units, ICERs = long-term certified emission reductions, RMUs = removal units, tCERs = temporary certified emission reductions.

<sup>a</sup> "Total quantities" refers to the sum of the Kyoto Protocol units in each account type for 36 Annex B Parties.

Table 7

**Total quantities<sup>a</sup> of Kyoto Protocol units for Annex B Parties as at 31 December 2013**

<i>Annex B Party</i>	<i>Total quantities by unit type (Mt CO<sub>2</sub> eq)</i>					
	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Australia	2 957.6	0	70.1	0	0	0
Bulgaria	547.6	14.9	0	10.2	0	0
Croatia	148.8	0	0	0	0	0
Czech Republic	683.2	18.8	0	19.9	0	0
Estonia	132.6	2.5	0	0.46	0	0
European Union <sup>b</sup>	18 618.8	374.2	57.8	704.5	4.5	0
Austria	366.0	11.1	0	33.2	0	0
Belgium	607.0	8.9	0	28.9	0	0
Denmark	267.5	15.3	6.9	9.8	0	0
Finland	326.4	6.4	0	15.8	0	0
France	2 634.3	20.1	50.9	58.4	0	0
Germany	4 590.7	133.4	0	171.4	0	0
Greece	613.1	11.3	0	16.6	0	0
Ireland	292.2	3.0	0	9.0	1.1	0
Italy	2 280.3	29.6	0	71.6	0	0
Luxembourg	53.7	0	0	4.5	0	0
Netherlands	948.2	35.4	0	59.2	0	0
Portugal	345.1	4.6	0	15.8	0	0
Spain	1 638.0	26.0	0	101.7	3.1	0
Sweden	350.3	3.4	0	15.0	0	0
United Kingdom	3 306.0	65.1	0	92.9	0	0
Hungary	496.1	2.8	4.9	6.2	0	0
Iceland	18.5	0	0	0	0	0
Japan	6 154.4	22.2	0	148.9	1.1	0
Latvia	76.8	0	0	1.2	0	0
Liechtenstein	1.0	0	0	0.23	0	0
Lithuania	169.9	8.4	0	3.6	0	0
Monaco	0	0	0	0	0	0
New Zealand	305.8	79.9	9.1	10.9	0	0
Norway	266.5	3.2	0	25.1	0	0
Poland	2 399.6	36.6	0	64.9	0	0
Romania	1 124.3	16.4	0	16.0	0	0
Russian Federation	16 356.0	8.8	468.7	0	0	0
Slovakia	251.9	0	0	9.7	0	0
Slovenia	87.0	4.7	0	1.5	0	0
Switzerland	248.8	50.0	2.7	44.4	0	0
Ukraine	4 027.9	0	0	0	0	0

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, RMUs = removal units, tCERs = temporary certified emission reductions.

<sup>a</sup> "Total quantities" refers to the sum of the Kyoto Protocol units in each account type for each Annex B Party.

<sup>b</sup> The Parties listed under the European Union were the 15 member States at the time of the deposit by the European Community of its instrument of approval to the Kyoto Protocol on 31 May 2002.