



**Annual compilation and accounting report for  
Annex B Parties under the Kyoto Protocol  
for 2012**

**Note by the secretariat**

The annual compilation and accounting report for Annex B Parties under the Kyoto Protocol and the addendum to this report were published on 16 November 2012. For purposes of rule 10, paragraph 2, of the rules of procedure of the Compliance Committee (annex to decision 4/CMP.2, as amended by decision 4/CMP.4), the report and its addendum are considered received by the secretariat on the same date. This report, FCCC/KP/CMP/2012/9 and its addendum, FCCC/KP/CMP/2012/9/Add.1, contained in the annex to this note, are being forwarded to the Compliance Committee in accordance with paragraph 4 of decision 13/CMP.1.



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**Conference of the Parties serving as the meeting  
of the Parties to the Kyoto Protocol****Eighth session****Doha, 26 November to 7 December 2012**

Item 13 of the provisional agenda

**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 2012****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 question of implementation. 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 report is based on final data recorded in the compilation and accounting database; the rest of the information is based on the 2012 annual submissions of Parties included in Annex I to the Convention that are also Parties to the Kyoto Protocol with commitments inscribed in Annex B to the Kyoto Protocol as at 22 October 2012, the values of which are provisional. The final values will be made available upon completion of the annual review for 2012 and resolution of any questions of implementation.

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\* 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 included in Annex I 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 has entered into force for that Party (decision 15/CMP.1). They could also start reporting this 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 a 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, 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 report 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 question 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. In response to the request referred to in paragraph 2 above, the secretariat has published five compilation and accounting reports for Annex B Parties to date. The first report,<sup>1</sup> containing information on initial accounting parameters for most Annex B Parties, was published in 2008. The second,<sup>2</sup> third<sup>3</sup> and fourth<sup>4</sup> reports, containing information on the initial accounting parameters and relevant supplementary information reported under Article 7, paragraph 1, of the Kyoto Protocol, were published in 2009, 2010 and 2011, respectively. This document is the fifth report and contains the same information for 2012.

4. As at 22 October 2012, the initial reviews had been completed for all 38 Annex B Parties. On 8 February 2012, the Compliance Committee decided that the questions of implementation with respect to Croatia have been resolved, and therefore the final values of the initial accounting parameters for that Party are presented in this report. Belarus has

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

<sup>2</sup> FCCC/KP/CMP/2009/15 and Add.1.

<sup>3</sup> FCCC/KP/CMP/2010/5 and Add.1.

<sup>4</sup> FCCC/KP/CMP/2011/8 and Add.1.

submitted its initial report, but the review of the report has not been initiated due to the fact that 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>5</sup>

5. This annual compilation and accounting report for 2012 covers all 38 Annex B Parties. In addition to the initial accounting parameters, the report includes an overview of the annual information reported by Parties in 2011 and reviewed as at 22 October 2012: (a) total GHG emissions from the sources listed in Annex A to the Kyoto Protocol reported for 2009; (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 2009; and (c) transactions and holdings of Kyoto Protocol units as at 31 December 2010. The report also provides the following provisional information as reported by Annex B Parties in 2012: (a) total GHG emissions from the sources listed in Annex A to the Kyoto Protocol reported for 2009 and 2010; (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 2009 and 2010; and (c) transactions and holdings of Kyoto Protocol units as at 31 December 2011. This report is interim in nature because some parts of the information presented, particularly the parts on the information reported in 2012, are provisional. The final values will be made available upon completion of the annual review of the information reported in 2012 and resolution of any questions of implementation, and will be presented in future reports as appropriate.

6. Information is also provided on the eligibility of the 38 Annex B Parties for the flexibility mechanisms under the Kyoto Protocol.

7. Detailed information on assigned amounts of individual Annex B Parties and other accounting information provided under the Kyoto Protocol is contained in document FCCC/KP/CMP/2012/9/Add.1. The full annual submissions of GHG inventories and accounting information from Parties 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 on further action, if required.

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

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

9. As at 22 October 2012, all 38 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 2010. All of these Parties also submitted 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.

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<sup>5</sup> In accordance with paragraphs 159 and 160 of the report of the CMP on its third session (FCCC/KP/CMP/2007/9), the CMP 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 the conditions set out in paragraph 160 of that report.

<sup>6</sup> <[http://unfccc.int/national\\_reports/annex\\_i\\_ghg\\_inventories/national\\_inventories\\_submissions/items/6598.php](http://unfccc.int/national_reports/annex_i_ghg_inventories/national_inventories_submissions/items/6598.php)>.

Thirty-six<sup>7</sup> Parties also submitted standard electronic format (SEF) tables for the period from 1 January to 31 December 2011.

10. The annual reviews of the information reported under Article 7, paragraph 1, of the Kyoto Protocol by Annex B Parties in 2012 have been initiated and are in progress.

## B. Status of eligibility

11. The status of eligibility of Annex B Parties for 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 24 October 2012 is provided in table 1. All Annex B Parties were eligible to participate in the flexibility mechanisms.

12. The status of eligibility will be updated in the compilation and accounting database once the annual review of information reported in 2012 has been completed and questions of implementation, if any, have been resolved.

Table 1

### Status of eligibility of Annex B Parties for 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
Canada	E	16 June 2008, 09:00:00
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> In accordance with the annex to decision 14/CMP.1, Iceland and Monaco did not need to report such information in 2012, because they had not transferred or acquired any Kyoto Protocol units prior to 1 January 2012.

<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 given in Greenwich Mean Time.

<sup>b</sup> The States 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. Table 2 shows definitions of the base year chosen for the accounting of fluorinated gases (F-gases) (hydrofluorocarbons, perfluorocarbons and sulphur hexafluoride), GHG emissions from the sources listed in Annex A to the Kyoto Protocol in the base year and assigned amounts established pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol.

Table 2

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

<i>Party</i>	<i>Base year defined under the KP<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>, 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
Canada	1990	1990	593 998 462	94	–	2 791 792 771
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

Party	Base year defined under the KP <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> , N <sub>2</sub> O	F-gases		Annex B	Article 4 <sup>c</sup>	
France	1990	1990	563 925 328	92	100	2 819 626 640
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>12 606 435 896</b>	–	–	<b>60 433 707 615</b>

*Abbreviations:* F-gases = fluorinated gases, KP = Kyoto Protocol.

<sup>a</sup> Parties included in Annex I to the Convention 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.

<sup>b</sup> Refers to the total base year greenhouse gas emissions used for calculation of the 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> Fifteen 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. Article 3, paragraph 8, of the Kyoto Protocol allows any Party included in Annex I to the Convention to 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. Accordingly, 23 Annex B Parties elected to use 1995 as their base year for F-gases, while the remaining Parties, excluding the European Union (EU), used the same base year for all GHGs. The EU has multiple base years (1990 or 1995) for F-gases, depending on the base year elected by its individual member States.

15. The total GHG emissions from 37 Annex B Parties<sup>8</sup> in the base year<sup>9</sup> amounted to 12,606.4 million tonnes of carbon dioxide equivalent (Mt CO<sub>2</sub> eq), including total GHG emissions of 12,473.5 Mt CO<sub>2</sub> eq from the sources listed in Annex A to the Kyoto Protocol and emissions from LULUCF activities (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, plus emissions from deforestation in the base year or period for those Parties for which LULUCF constituted a net source of GHG emissions in 1990, multiplied by five. In accordance with Article 4, paragraph 1, of the Kyoto Protocol the assigned amounts for 15 EU member States have been calculated under the EU burden-sharing agreement. Based on the information provided in the initial reports, assigned amounts for the first commitment period (2008–2012) had been established for 37 Parties.

17. For the first commitment period, the total assigned amount<sup>10</sup> for 37 Annex B Parties taken together is 60,433,707,615 t CO<sub>2</sub> eq. The total assigned amount for the EU for the first commitment period is 19,621,381,509 t CO<sub>2</sub> eq.

## **B. Greenhouse gas emissions and removals in 2009 and 2010**

### **1. Emissions from sources listed in Annex A to the Kyoto Protocol in 2009 and 2010**

18. Based on the information submitted by Annex B Parties in 2012, the total GHG emissions of Annex B Parties from sources listed in Annex A to the Kyoto Protocol in 2010 amounted to 10,007.1 Mt CO<sub>2</sub> eq. This is 20.6 per cent lower than the base year level defined under the Kyoto Protocol and 2.8 per cent higher than the 2009 level (see figure 1).

### **2. Difference in the data for 2009 for emissions from Annex A sources between the 2011 and 2012 submissions**

19. Two sets of data for GHG emissions for the year 2009 from sources listed in Annex A to the Kyoto Protocol are considered in this report: values reported in the 2011 submissions, which have been reviewed and recorded in the compilation and accounting database, and values reported in the 2012 submissions, which are the latest available data and a review of which is in progress.

20. Total GHG emissions from sources listed in Annex A to the Kyoto Protocol for 2009 as reported by Parties in 2012 amounted to 9,730.9 Mt CO<sub>2</sub> eq. This is 0.3 per cent

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

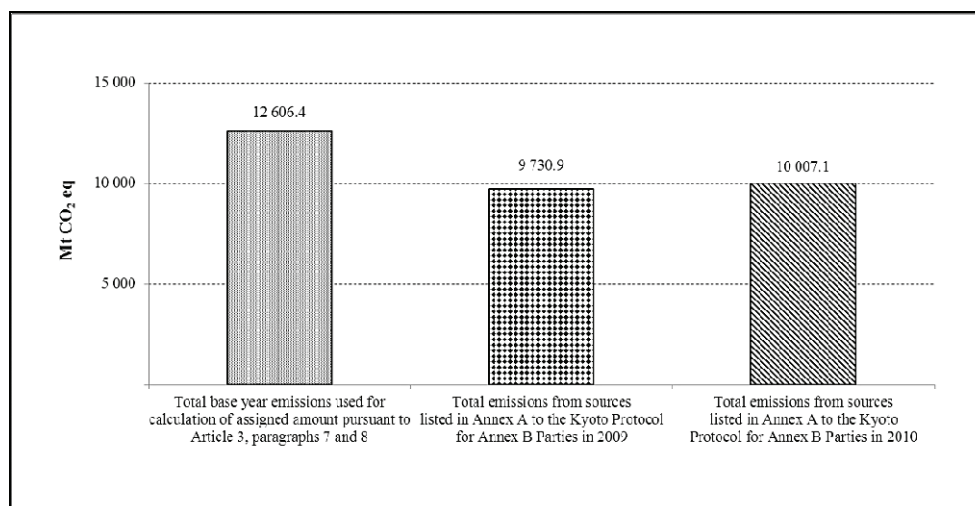
<sup>9</sup> The total GHG emissions in the base year refers to the total GHG emissions that were used for calculation of assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol.

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

lower than the value reported by Annex B Parties in 2011 (9,763.9 Mt CO<sub>2</sub> eq) and reviewed by the expert review team (ERT). This decrease is due to the recalculations that Parties applied in their GHG inventories.

Figure 1

**Total greenhouse gas emissions for Annex B Parties from sources listed in Annex A to the Kyoto Protocol in 2009 and 2010**



*Note:* The values for the total greenhouse gas emissions from sources listed in Annex A to the Kyoto Protocol for Annex B Parties in 2009 and 2010, which are based on the information submitted in 2012, 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-nine 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**

Activities 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	14	5	18
Cropland management	33	1	3
Grazing land management	35	1	1
Revegetation	34	0	3

*Note:* The table does not include the European Union; this 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 inventory 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 22 October 2012, all 38 Parties had reported this information. 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 2009 and 2010 is shown in table 4.

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 2009 and 2010<sup>a</sup>**

<i>Land use, land-use change and forestry activities 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 2009</i>	<i>Net greenhouse gas emissions or removals (t CO<sub>2</sub> eq) in 2010</i>
<b>Article 3, paragraph 3, activities</b>			
Afforestation and reforestation	36	-95 179 271	-99 306 633
Deforestation	37	118 959 615	113 659 920
Net emissions or removals		23 780 344	14 353 287
<b>Article 3, paragraph 4, activities</b>			
Forest management	23	-1 037 297 089	-1 025 759 574
Cropland management	4	-12 611 183	-12 959 961
Grazing land management	2	-242 194	-724 211
Revegetation	3	-1 874 631	-1 914 407
Net emissions or removals		-1 052 025 097	-1 041 358 153

<sup>a</sup> The total includes the net emissions and removals of the European Union but does not include those of the individual member States in order to avoid double counting.

23. As at 31 December 2011, eight Parties had issued 52,132,144 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 2009 for emissions and removals from land use, land-use change and forestry activities between the 2011 and 2012 submissions**

24. There are two sets of data for 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 2009: values reported in the 2011 submissions, which have been reviewed and recorded in the compilation and accounting database, and values reported in the 2012 submissions which are the latest available data and of which the review is in progress.

25. Total GHG emissions and removals from the above-mentioned activities for 2009 as reported by Parties in 2012 amounted to -1,028,244,753 t CO<sub>2</sub> eq. This is 2.5 per cent lower than the value reported by Annex B Parties in 2011 (-1,054,139,397 t CO<sub>2</sub> eq) and

reviewed by the ERT. This change in value is due to the recalculations that Parties applied in 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 2011 for the 36 Annex B Parties that reported their SEF tables with information on Kyoto Protocol units in 2012. Two Annex B Parties (Iceland and Monaco) did not need to report such information in 2012, because they had not transferred or acquired any Kyoto Protocol units prior to 1 January 2012.<sup>12</sup>

### 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 2011, 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. Fourteen Parties issued 93,521,168 ERUs into their registries by converting the same amount of AAUs previously issued and held in their national registries, and seven Parties issued 56,406,280 RMUs into their national registries. Fourteen Parties, of which nine are EU member States, transferred 540,330 AAUs in aggregate into the “other cancellation” accounts. Fourteen Parties, of which nine are EU member States, transferred total quantities of 3,715,658 CERs into the “other cancellation” accounts. Finally, three Parties, which are EU member States, transferred 26,543 ERUs into the “other cancellation” accounts.

29. Table 5 provides 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 2011.

### 2. Holdings of Kyoto Protocol units by holding account type as at 31 December 2011

30. For the 36 Annex B Parties, including the EU, that reported information on Kyoto Protocol units pursuant to decisions 13/CMP.1 and 15/CMP.1, there were 61,103.6 million Kyoto Protocol units<sup>13</sup> by the end of 2011, which included 60,153.9 million AAUs, 130.6 million ERUs, 56.4 million RMUs and 762.7 million CERs, in the different holding, cancellation and retirement accounts.

31. Figure 2 shows the number of Parties that hold Kyoto Protocol units in different accounts. A summary of the total quantities of the different Kyoto Protocol units by account type, as at 31 December 2011, for 36 Annex B Parties is provided in table 6. Table 7 shows the breakdown of total Kyoto Protocol units by Party.

<sup>11</sup> At the time of preparation of this document, the annual review of information reported by Annex B Parties in 2012 was still in progress.

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

<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.

32. Detailed information on the status of accounts for each Annex B Party can be found in document FCCC/KP/CMP/2012/9/Add.1.

Table 5

**Total Kyoto Protocol units acquired or transferred through external transactions between 1 January and 31 December 2011<sup>a</sup>**

Transaction type	Kyoto Protocol units by external transaction type (Mt CO <sub>2</sub> eq)					
	AAUs	ERUs	RMUs	CERs <sup>b</sup>	tCERs	ICERs
Addition	Quantities acquired or forwarded <sup>b</sup>					
	513.9	149.8	7.8	534.2	0.0	0.0
	Parties involved					
	30	30	1	31	0	0
Subtraction	Quantities transferred					
	513.9	149.8	7.8	233.2	0.0	0.0
	Parties involved					
	31	30	1	30	0	0

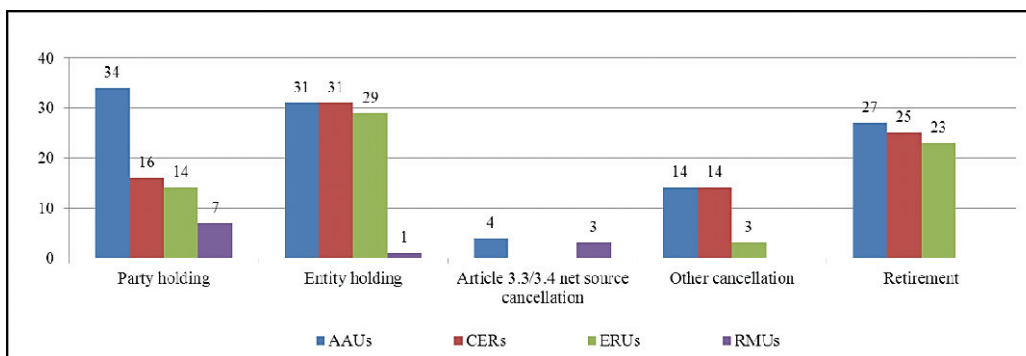
*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, RMUs = removal units, tCERs = temporary certified emission reductions.

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

Figure 2

**Number of Annex B Parties holding Kyoto Protocol units by account type in 2011**



*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 2011**

Account type	Total quantities by unit type (Mt CO <sub>2</sub> eq)					
	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding	51 469.0	21.1	52.1	81.6	0	0
Entity holding	2 765.0	86.2	3.9	372.2	0	0
Article 3, paragraphs 3 and 4, net source cancellation	89.1	0	0.374	0	0	0
Non-compliance cancellation	0	0	0	0	0	0
Other cancellation	0.540	0.027	0	3.7	0	0
Retirement	5 830.3	23.3	0	305.2	0	0
tCER replacement for expiry	0	0	0	0	0	0

Account type	Total quantities by unit type (Mt CO <sub>2</sub> eq)					
	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
ICER replacement for expiry	0	0	0	0	0	0
ICER replacement for reversal in storage	0	0	0	0	0	0
ICER replacement for non-submission of CR	0	0	0	0	0	0
<b>Total</b>	<b>60 153.9</b>	<b>130.6</b>	<b>56.4</b>	<b>762.7</b>	<b>0</b>	<b>0</b>

*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. It does not include data reported by the 15 individual member States of the European Union in order to avoid double counting.

Table 7  
**Total quantities<sup>a</sup> of Kyoto Protocol units for Annex B Parties as at 31 December 2011**

Annex B Party	Total quantities by unit type (Mt CO <sub>2</sub> eq)					
	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Australia	2 957.6	0	23.0	0.051	0	0
Bulgaria	573.6	2.2	0	3.7	0	0
Canada	2 791.8	0	0	0.33	0	0
Croatia	0	0	0	0	0	0
Czech Republic	766.3	1.8	0	12.0	0	0
Estonia	144.3	0.01	0	0.001	0	0
European Union <sup>b</sup>	20 034.9	89.7	24.4	513.9	0	0
Austria	358.7	3.7	0	17.9	0	0
Belgium	657.3	0.94	0	9.2	0	0
Denmark	284.6	6.6	0.62	5.2	0	0
Finland	354.3	1.7	0	7.7	0	0
France	2 849.4	8.6	23.8	64.1	0	0
Germany	4 932.8	33.9	0	134.1	0	0
Greece	633.7	0.03	0	6.6	0	0
Ireland	298.6	0.52	0	10.8	0	0
Italy	2 383.2	2.9	0	52.4	0	0
Luxembourg	50.5	0.24	0	2.5	0	0
Netherlands	1 057.5	6.9	0	41.6	0	0
Portugal	365.5	0.41	0	9.4	0	0
Spain	1 649.3	12.8	0	71.3	0	0
Sweden	366.5	1.2	0	5.9	0	0
United Kingdom	3 778.0	9.3	0	74.3	0	0
Hungary	515.6	1.4	0.04	4.8	0	0
Iceland <sup>c</sup>	–	–	–	–	–	–
Japan	6 123.3	5.1	0	120.1	0	0
Latvia	85.1	0.04	0	0.80	0	0
Liechtenstein	1.2	0	0.01	0.18	0	0
Lithuania	181.6	3.2	0	3.0	0	0
Monaco <sup>c</sup>	–	–	–	–	–	–
New Zealand	306.2	0.53	3.9	2.9	0	0
Norway	270.1	0.75	0	9.1	0	0
Poland	2 552.3	6.5	0	48.5	0	0
Romania	1 158.3	6.3	0	11.2	0	0
Russian Federation	16 589.1	4.3	4.1	0	0	0

<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>lCERs</i>
Slovakia	274.8	0.04	0	8.6	0	0
Slovenia	91.9	0.92	0	1.5	0	0
Switzerland	290.9	7.6	0.89	21.9	0	0
Ukraine	4 445.0	0	0	0	0	0

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

<sup>c</sup> Not required to submit the standard electronic format tables for the submission year 2012.



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**Conference of the Parties serving as the meeting  
of the Parties to the Kyoto Protocol****Eighth session****Doha, 26 November to 7 December 2012**

Item 13 of the provisional agenda

**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 2012****Note by the secretariat****Addendum****Compilation and accounting information by Party***Summary*

This document contains detailed information on the initial accounting parameters under the Kyoto Protocol which are recorded for Parties included in Annex I to the Convention that are also Parties to the Kyoto Protocol with commitments inscribed in Annex B to the Kyoto Protocol in the compilation and accounting database after completion of the review pursuant to decision 22/CMP.1 and the resolution of questions of implementation, if any. It also contains annual information on anthropogenic greenhouse gas (GHG) emissions in 2009 and 2010 from sources listed in Annex A to the Kyoto Protocol; GHG emissions and removals in 2009 and 2010 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 holdings and transactions of Kyoto Protocol units. Some of the annual information is provisional; this will be finalized after completion of the 2012 annual review pursuant to decision 22/CMP.1 and the resolution of questions of implementation, if any.



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## I. Introduction

1. Document FCCC/KP/CMP/2012/9 provides an overview of the information on annual accounting parameters for the first commitment period of the Kyoto Protocol that has been recorded in the compilation and accounting database for Parties included in Annex I to the Convention that are also Parties to the Kyoto Protocol with commitments inscribed in Annex B to the Kyoto Protocol (Annex B Parties). This information was reported by Parties in their initial reports and in the relevant reports submitted in 2011. The information includes the following:

- (a) Final values of key initial accounting parameters under the Kyoto Protocol;
- (b) Final values for emissions/removals of greenhouse gases (GHGs) in 2009;
- (c) Total quantities of Kyoto Protocol units by account type at the end of 2010 (final values).

2. Further, with a view to presenting the latest available information, annual information reported by Parties in 2012 is provided in this document, pending the completion of the annual review under Article 8 of the Kyoto Protocol. Provisional information is provided on the following:

- (a) Total GHG emissions from the sources listed in Annex A to the Kyoto Protocol reported for 2009 and 2010;
- (b) GHG emissions and removals in 2009 and 2010 from land use, land-use change and forestry activities under Article 3, paragraph 3, and from elected activities under Article 3, paragraph 4, of the Kyoto Protocol;
- (c) Transactions and holdings of Kyoto Protocol units as at 31 December 2011.

3. This document contains more details on the accounting parameters and information mentioned in paragraph 1 above for individual Annex B Parties.

4. The annual information submitted in 2012 will be recorded in the compilation and accounting database after completion of the annual review and resolution of questions of implementation, if any.

5. The status of Parties' eligibility will also be updated after completion of the annual review of the information reported by Parties in accordance with Article 7, paragraph 1, of the Kyoto Protocol, including supplementary information required under decision 15/CMP.1.

## II. Australia

6. Australia met all the eligibility criteria and became eligible to participate in all the flexibility mechanisms under the Kyoto Protocol on 11 July 2009.

7. Tables 1–5 provide detailed information on Australia's initial accounting parameters under the Kyoto Protocol, its GHG emissions and removals, the holdings of Kyoto Protocol units by account type, and transactions of Kyoto Protocol units.

Table 1  
**Key initial accounting parameters under the Kyoto Protocol for Australia (final values)**

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base year emissions <sup>a</sup>	547 699 841	t CO <sub>2</sub> eq
Quantified emission limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	108	per cent
Assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol for the first commitment period	2 957 579 143	t CO <sub>2</sub> eq
Commitment period reserve after the 2011 annual review	2 661 821 229	t CO <sub>2</sub> eq
Limitation on the additions to and subtractions from Australia's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	0	t CO <sub>2</sub> eq
Limitation on the total of additions to Australia's assigned amount resulting from eligible land use, land-use change and forestry project activities under Article 12 of the Kyoto Protocol	29 575 791	t CO <sub>2</sub> eq
Limit on additional removal units a Party may issue due to cancellations (emissions) under Article 3, paragraph 3, of the Kyoto Protocol	165	Mt CO <sub>2</sub> eq

<sup>a</sup> The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for calculation of assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol.

Table 2  
**Australia's emissions/removals of greenhouse gases in 2009 and 2010**

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2009 (final values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2012 submissions)</i>	<i>In 2010 (provisional values based on the 2012 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	545 858 288	547 478 364	543 262 747
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	26 342 035	33 670 268	27 235 065
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	NA	NA	NA

*Abbreviations:* LULUCF = land use, land-use change and forestry, NA = not applicable.

Table 3  
**Australia's total quantities of Kyoto Protocol units by account type at the end of 2010 (final values)**

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Party holding	2 957 579 143	NO	NO	NO	NO	NO
Entity holding	NO	NO	NO	NO	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	NO	NO	NO	NO	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>2 957 579 143</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 4  
**Australia's total quantities of Kyoto Protocol units by account type at the end of 2011 (provisional values)**

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Party holding	2 907 928 612	NO	23 032 901	NO	NO	NO
Entity holding	NO	NO	NO	51 000	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	49 650 531	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	NO	NO	NO	NO	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>2 957 579 143</b>	<b>NO</b>	<b>23 032 901</b>	<b>51 000</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 5  
**Australia's total transactions of Kyoto Protocol units in 2011 (provisional values)**

<i>Transaction type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
<i>Additions</i>						
Internal transactions		NO	23 032 901			
External transactions	NO	NO	NO	126 851	NO	NO
<b>Total transactions</b>	<b>NO</b>	<b>NO</b>	<b>23 032 901</b>	<b>126 851</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	49 650 531	NO	NO	NO	NO	NO
External transactions	NO	NO	NO	75 851	NO	NO

<i>Transaction type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
<b>Total transactions</b>	<b>49 650 531</b>	<b>NO</b>	<b>NO</b>	<b>75 851</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

### III. Austria

8. Austria met all the eligibility criteria and became eligible to participate in all the flexibility mechanisms under the Kyoto Protocol on 5 April 2008.

9. Tables 6–10 provide detailed information on Austria's initial accounting parameters under the Kyoto Protocol, its GHG emissions and removals, the holdings of Kyoto Protocol units by account type, and transactions of Kyoto Protocol units.

Table 6

#### Key initial accounting parameters under the Kyoto Protocol for Austria (final values)

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base year emissions <sup>a</sup>	79 049 657	t CO <sub>2</sub> eq
Quantified emission limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	87	per cent
Assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol for the first commitment period	343 866 009	t CO <sub>2</sub> eq
Commitment period reserve after the 2011 annual review	309 479 408	t CO <sub>2</sub> eq
Limitation on the additions to and subtractions from Austria's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	11 550 000	t CO <sub>2</sub> eq
Limitation on the total of additions to Austria's assigned amount resulting from eligible land use, land-use change and forestry project activities under Article 12 of the Kyoto Protocol	3 438 660	t CO <sub>2</sub> eq
Limit on additional removal units a Party may issue due to cancellations (emissions) under Article 3, paragraph 3, of the Kyoto Protocol	165	Mt CO <sub>2</sub> eq

<sup>a</sup> The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for calculation of assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol.

Table 7

#### Austria's emissions/removals of greenhouse gases in 2009 and 2010

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2009 (final values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2012 submissions)</i>	<i>In 2010 (provisional values based on the 2012 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	80 058 865	79 739 349	84 593 939
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	-1 384 476	-1 230 641	-1 258 850

Parameter	Emissions/removals of greenhouse gases (t CO <sub>2</sub> eq)		
	In 2009 (final values based on the 2011 submissions)	In 2009 (provisional values based on the 2012 submissions)	In 2010 (provisional values based on the 2012 submissions)
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	NA	NA	NA

Abbreviations: LULUCF = land use, land-use change and forestry, NA = not applicable.

Table 8  
**Austria's total quantities of Kyoto Protocol units by account type at the end of 2010 (final values)**

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding	250 266 734	NO	NO	44	NO	NO
Entity holding	46 807 419	1 794 412	NO	10 358 188	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	57 822 680	3 000	NO	1 456 881	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>354 896 833</b>	<b>1 797 412</b>	<b>NO</b>	<b>11 815 113</b>	<b>NO</b>	<b>NO</b>

Abbreviations: AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 9  
**Austria's total quantities of Kyoto Protocol units by account type at the end of 2011 (provisional values)**

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding	165 151 314	NO	NO	44	NO	NO
Entity holding	51 317 040	3 681 877	NO	15 264 117	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	142 272 995	8 299	NO	2 649 544	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
<b>Total</b>	<b>358 741 349</b>	<b>3 690 176</b>	<b>NO</b>	<b>17 913 705</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 10

**Austria's total transactions of Kyoto Protocol units in 2011 (provisional values)**

<i>Transaction type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
<i>Additions</i>						
Internal transactions		NO	NO			
External transactions	12 782 145	2 826 206	NO	7 219 566	NO	NO
<b>Total transactions</b>	<b>12 782 145</b>	<b>2 826 206</b>	<b>NO</b>	<b>7 219 566</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	NO	NO	NO
External transactions	8 937 629	933 442	NO	1 120 974	NO	NO
<b>Total transactions</b>	<b>8 937 629</b>	<b>933 442</b>	<b>NO</b>	<b>1 120 974</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

**IV. Belgium**

10. Belgium met all the eligibility criteria and became eligible to participate in all the flexibility mechanisms under the Kyoto Protocol on 22 April 2008.

11. Tables 11–15 provide detailed information on Belgium's initial accounting parameters under the Kyoto Protocol, its GHG emissions and removals, the holdings of Kyoto Protocol units by account type, and transactions of Kyoto Protocol units.

Table 11

**Key initial accounting parameters under the Kyoto Protocol for Belgium (final values)**

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base year emissions <sup>a</sup>	145 728 763	t CO <sub>2</sub> eq
Quantified emission limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	92.5	per cent
Assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol for the first commitment period	673 995 528	t CO <sub>2</sub> eq
Commitment period reserve after the 2011 annual review	606 595 975	t CO <sub>2</sub> eq
Limitation on the additions to and subtractions from Belgium's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	550 000	t CO <sub>2</sub> eq
Limitation on the total of additions to Belgium's assigned amount resulting from eligible land use, land-use change and forestry project activities under Article 12 of the Kyoto Protocol	6 739 955	t CO <sub>2</sub> eq



<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Limit on additional removal units a Party may issue due to cancellations (emissions) under Article 3, paragraph 3, of the Kyoto Protocol	165	Mt CO <sub>2</sub> eq

<sup>a</sup> The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for calculation of assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol.

Table 12

**Belgium's emissions/removals of greenhouse gases in 2009 and 2010**

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2009 (final values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2012 submissions)</i>	<i>In 2010 (provisional values based on the 2012 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	124 517 966	125 186 551	132 459 223
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	3 617	209 281	205 639
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	NA	NA	NA

*Abbreviations:* LULUCF = land use, land-use change and forestry, NA = not applicable.

Table 13

**Belgium's total quantities of Kyoto Protocol units by account type at the end of 2010 (final values)**

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Party holding	507 869 624	NO	NO	NO	NO	NO
Entity holding	55 431 183	197 454	NO	3 800 124	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	578	NO	NO
Retirement	99 533 458	4 000	NO	2 180 260	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>662 834 265</b>	<b>201 454</b>	<b>NO</b>	<b>5 980 962</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 14  
**Belgium's total quantities of Kyoto Protocol units by account type at the end of 2011**  
**(provisional values)**

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Party holding	452 249 605	NO	NO	NO	NO	NO
Entity holding	56 040 474	864 922	NO	6 476 612	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	5 510	NO	NO
Retirement	148 991 333	79 453	NO	2 746 715	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>657 281 412</b>	<b>944 375</b>	<b>NO</b>	<b>9 228 837</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 15  
**Belgium's total transactions of Kyoto Protocol units in 2011 (provisional values)**

<i>Transaction type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
<i>Additions</i>						
Internal transactions		NO	NO			
External transactions	73 279 531	8 624 162	NO	7 850 766	NO	NO
<b>Total transactions</b>	<b>73 279 531</b>	<b>8 624 162</b>	<b>NO</b>	<b>7 850 766</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	4 932	NO	NO
External transactions	78 832 384	7 881 241	NO	4 602 891	NO	NO
<b>Total transactions</b>	<b>78 832 384</b>	<b>7 881 241</b>	<b>NO</b>	<b>4 607 823</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

## V. Bulgaria

12. Bulgaria met all the eligibility criteria and became eligible to participate in all the flexibility mechanisms under the Kyoto Protocol on 25 November 2008. On 28 June 2010 the enforcement branch of the Compliance Committee suspended Bulgaria's eligibility to participate in the mechanisms under Articles 6, 12 and 17 of the Kyoto Protocol. Bulgaria's eligibility was reinstated on 4 February 2011.

13. Tables 16–20 provide detailed information on Bulgaria’s initial accounting parameters under the Kyoto Protocol, its GHG emissions and removals, the holdings of Kyoto Protocol units by account type, and transactions of Kyoto Protocol units.

Table 16

**Key initial accounting parameters under the Kyoto Protocol for Bulgaria (final values)**

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base year emissions <sup>a</sup>	132 618 658	t CO <sub>2</sub> eq
Quantified emission limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	92	per cent
Assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol for the first commitment period	610 045 827	t CO <sub>2</sub> eq
Commitment period reserve after the 2011 annual review	297 482 467	t CO <sub>2</sub> eq
Limitation on the additions to and subtractions from Bulgaria’s assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	6 783 333	t CO <sub>2</sub> eq
Limitation on the total of additions to Bulgaria’s assigned amount resulting from eligible land use, land-use change and forestry project activities under Article 12 of the Kyoto Protocol	6 100 458	t CO <sub>2</sub> eq
Limit on additional removal units a Party may issue due to cancellations (emissions) under Article 3, paragraph 3, of the Kyoto Protocol	165	Mt CO <sub>2</sub> eq

<sup>a</sup> The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for calculation of assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol.

Table 17

**Bulgaria’s emissions/removals of greenhouse gases in 2009 and 2010**

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2009 (final values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2012 submissions)</i>	<i>In 2010 (provisional values based on the 2012 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	59 496 493	59 188 946	61 704 060
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	-1 519 993	-1 063 308	-1 187 722
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	NA	NA	NA

*Abbreviations:* LULUCF = land use, land-use change and forestry, NA = not applicable.

Table 18  
**Bulgaria's total quantities of Kyoto Protocol units by account type at the end of 2010**  
**(final values)**

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Party holding	417 743 586	238 735	NO	383 370	NO	NO
Entity holding	30 860 568	NO	NO	174 787	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	69 925 286	NO	NO	NO	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>518 529 440</b>	<b>238 735</b>	<b>NO</b>	<b>558 157</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 19  
**Bulgaria's total quantities of Kyoto Protocol units by account type at the end of 2011**  
**(provisional values)**

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Party holding	442 937 562	941 099	NO	383 370	NO	NO
Entity holding	30 148 704	569 862	NO	1 034 436	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	60 329	NO	NO	NO	NO	NO
Retirement	100 452 793	703 855	NO	2 295 898	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>573 599 388</b>	<b>2 214 816</b>	<b>NO</b>	<b>3 713 704</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 20  
**Bulgaria's total transactions of Kyoto Protocol units in 2011 (provisional values)**

<i>Transaction type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
<i>Additions</i>						
Internal transactions		2 350 806	NO			
External transactions	67 660 683	1 715 846	NO	3 715 715	NO	NO
<b>Total transactions</b>	<b>67 660 683</b>	<b>4 066 652</b>	<b>NO</b>	<b>3 715 715</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	2 411 135	NO	NO	NO	NO	NO
External transactions	10 239 929	2 090 571	NO	560 168	NO	NO
<b>Total transactions</b>	<b>12 651 064</b>	<b>2 090 571</b>	<b>NO</b>	<b>560 168</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

## VI. Canada

14. Canada met all the eligibility criteria and became eligible to participate in all the flexibility mechanisms under the Kyoto Protocol on 16 June 2008.

15. Tables 21–25 provide detailed information on Canada's initial accounting parameters under the Kyoto Protocol, its GHG emissions and removals, the holdings of Kyoto Protocol units by account type, and transactions of Kyoto Protocol units.

Table 21  
**Key initial accounting parameters under the Kyoto Protocol for Canada (final values)**

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base year emissions <sup>a</sup>	593 998 462	t CO <sub>2</sub> eq
Quantified emission limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	94	per cent
Assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol for the first commitment period	2 791 792 771	t CO <sub>2</sub> eq
Commitment period reserve after the 2011 annual review	2 512 613 494	t CO <sub>2</sub> eq
Limitation on the additions to and subtractions from Canada's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	220 000 000	t CO <sub>2</sub> eq
Limitation on the total of additions to Canada's assigned amount resulting from eligible land use, land-use change and forestry project activities under Article 12 of the Kyoto Protocol	27 917 928	t CO <sub>2</sub> eq
Limit on additional removal units a Party may issue due to cancellations (emissions) under Article 3, paragraph 3, of the Kyoto Protocol	165	Mt CO <sub>2</sub> eq

<sup>a</sup> The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for calculation of assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol.

Table 22  
**Canada's emissions/removals of greenhouse gases in 2009 and 2010**

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2009 (final values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2012 submissions)</i>	<i>In 2010 (provisional values based on the 2012 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	692 169 676	690 023 195	691 718 210
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	13 901 977	13 901 977	13 971 851
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-12 405 512	-12 405 512	-13 076 721

*Abbreviation:* LULUCF = land use, land-use change and forestry.

Table 23  
**Canada's total quantities of Kyoto Protocol units by account type at the end of 2010 (final values)**

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Party holding	2 791 792 771	NO	NO	216 750	NO	NO
Entity holding	NO	NO	NO	NO	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	NO	NO	NO	NO	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>2 791 792 771</b>	<b>NO</b>	<b>NO</b>	<b>216 750</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 24  
**Canada's total quantities of Kyoto Protocol units by account type at the end of 2011 (provisional values)**

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Party holding	2 791 792 771	NO	NO	331 031	NO	NO
Entity holding	NO	NO	NO	NO	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	NO	NO	NO	NO	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>2 791 792 771</b>	<b>NO</b>	<b>NO</b>	<b>331 031</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 25

**Canada's total transactions of Kyoto Protocol units in 2011 (provisional values)**

<i>Transaction type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
<i>Additions</i>						
Internal transactions		NO	NO			
External transactions	NO	NO	NO	114 281	NO	NO
<b>Total transactions</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>114 281</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	NO	NO	NO
External transactions	NO	NO	NO	NO	NO	NO
<b>Total transactions</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

## VII. Croatia

16. On 26 November 2009 the enforcement branch adopted a final decision indicating that Croatia is not eligible to participate in the mechanisms under Articles 6, 12 and 17 of the Kyoto Protocol. Croatia became fully eligible to participate in the mechanisms on 8 February 2012.

17. Tables 26–30 provide detailed information on Croatia's initial accounting parameters under the Kyoto Protocol, its GHG emissions and removals, the holdings of Kyoto Protocol units by account type, and transactions of Kyoto Protocol units.

Table 26

**Key initial accounting parameters under the Kyoto Protocol for Croatia (final values)**

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base year emissions <sup>a</sup>	31 321 790	t CO <sub>2</sub> eq
Quantified emission limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	95	per cent

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol for the first commitment period	148 778 503	t CO <sub>2</sub> eq
Commitment period reserve after the 2011 annual review	133 900 653	t CO <sub>2</sub> eq
Limitation on the additions to and subtractions from Croatia's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	4 858 333	t CO <sub>2</sub> eq
Limitation on the total of additions to Croatia's assigned amount resulting from eligible land use, land-use change and forestry project activities under Article 12 of the Kyoto Protocol	1 487 785	t CO <sub>2</sub> eq
Limit on additional removal units a Party may issue due to cancellations (emissions) under Article 3, paragraph 3, of the Kyoto Protocol	165	Mt CO <sub>2</sub> eq

<sup>a</sup> The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for calculation of assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol.

Table 27

**Croatia's emissions/removals of greenhouse gases in 2009 and 2010**

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2009 (final values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2012 submissions)</i>	<i>In 2010 (provisional values based on the 2012 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	28 867 282	29 056 476	28 597 025
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	-70 100	84 757	81 447
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-8 641 959	-7 989 374	-8 620 270

*Abbreviation:* LULUCF = land use, land-use change and forestry.

Table 28

**Croatia's total quantities of Kyoto Protocol units by account type at the end of 2010 (final values)**

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Party holding	NO	NO	NO	NO	NO	NO
Entity holding	NO	NO	NO	NO	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	NO	NO	NO	NO	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO



<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 29

**Croatia's total quantities of Kyoto Protocol units by account type at the end of 2011 (provisional values)**

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Party holding	NO	NO	NO	NO	NO	NO
Entity holding	NO	NO	NO	NO	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	NO	NO	NO	NO	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 30

**Croatia's total transactions of Kyoto Protocol units in 2011 (provisional values)**

<i>Transaction type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
<i>Additions</i>						
Internal transactions		NO	NO			
External transactions	NO	NO	NO	NO	NO	NO
<b>Total transactions</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	NO	NO	NO
External transactions	NO	NO	NO	NO	NO	NO
<b>Total transactions</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

## VIII. Czech Republic

18. The Czech Republic met all the eligibility criteria and became eligible to participate in all the flexibility mechanisms under the Kyoto Protocol on 24 February 2008.

19. Tables 31–35 provide detailed information on the Czech Republic's initial accounting parameters under the Kyoto Protocol, its GHG emissions and removals, the holdings of Kyoto Protocol units by account type, and transactions of Kyoto Protocol units.

Table 31

### Key initial accounting parameters under the Kyoto Protocol for the Czech Republic (final values)

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base year emissions <sup>a</sup>	194 248 218	t CO <sub>2</sub> eq
Quantified emission limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	92	per cent
Assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol for the first commitment period	893 541 801	t CO <sub>2</sub> eq
Commitment period reserve after the 2011 annual review	668 014 203	t CO <sub>2</sub> eq
Limitation on the additions to and subtractions from the Czech Republic's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	5 866 667	t CO <sub>2</sub> eq
Limitation on the total of additions to the Czech Republic's assigned amount resulting from eligible land use, land-use change and forestry project activities under Article 12 of the Kyoto Protocol	8 935 418	t CO <sub>2</sub> eq
Limit on additional removal units a Party may issue due to cancellations (emissions) under Article 3, paragraph 3, of the Kyoto Protocol	165	Mt CO <sub>2</sub> eq

<sup>a</sup> The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for calculation of assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol.

Table 32

### The Czech Republic's emissions/removals of greenhouse gases in 2009 and 2010

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2009 (final values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2012 submissions)</i>	<i>In 2010 (provisional values based on the 2012 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	133 602 841	135 100 672	139 523 382
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	-124 482	-124 482	-115 390
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-6 441 150	-6 441 150	-5 096 223

*Abbreviation:* LULUCF = land use, land-use change and forestry.

Table 33  
**The Czech Republic's total quantities of Kyoto Protocol units by account type at the end of 2010 (final values)**

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Party holding	698 297 817	98 637	NO	4 870 631	NO	NO
Entity holding	81 232 797	403 031	NO	4 956 118	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	NO	NO	NO	NO	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>779 530 614</b>	<b>501 668</b>	<b>NO</b>	<b>9 826 749</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 34  
**The Czech Republic's total quantities of Kyoto Protocol units by account type at the end of 2011 (provisional values)**

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Party holding	452 995 786	NO	NO	NO	NO	NO
Entity holding	93 513 823	1 058 730	NO	2 659 101	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	219 835 850	754 388	NO	9 382 544	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>766 345 459</b>	<b>1 813 118</b>	<b>NO</b>	<b>12 041 645</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 35  
**The Czech Republic's total transactions of Kyoto Protocol units in 2011 (provisional values)**

<i>Transaction type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
<i>Additions</i>						
Internal transactions		979 318	NO			
External transactions	19 017 124	2 638 491	NO	6 025 303	NO	NO
<b>Total transactions</b>	<b>19 017 124</b>	<b>3 617 809</b>	<b>NO</b>	<b>6 025 303</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	979 318	NO	NO	NO	NO	NO
External transactions	31 222 961	2 306 359	NO	3 810 407	NO	NO
<b>Total transactions</b>	<b>32 202 279</b>	<b>2 306 359</b>	<b>NO</b>	<b>3 810 407</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

## IX. Denmark

20. Denmark met all the eligibility criteria and became eligible to participate in all the flexibility mechanisms under the Kyoto Protocol on 20 April 2008.

21. Tables 36–40 provide detailed information on Denmark's initial accounting parameters under the Kyoto Protocol, its GHG emissions and removals, the holdings of Kyoto Protocol units by account type, and transactions of Kyoto Protocol units.

Table 36  
**Key initial accounting parameters under the Kyoto Protocol for Denmark (final values)**

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base year emissions <sup>a</sup>	69 978 070	t CO <sub>2</sub> eq
Quantified emission limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	79	per cent
Assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol for the first commitment period	276 838 955	t CO <sub>2</sub> eq
Commitment period reserve after the 2011 annual review	249 155 060	t CO <sub>2</sub> eq
Limitation on the additions to and subtractions from Denmark's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	916 667	t CO <sub>2</sub> eq
Limitation on the total of additions to Denmark's assigned amount resulting from eligible land use, land-use change and forestry project activities under Article 12 of the Kyoto Protocol	2 768 390	t CO <sub>2</sub> eq
Limit on additional removal units a Party may issue due to cancellations (emissions) under Article 3, paragraph 3, of the Kyoto Protocol	165	Mt CO <sub>2</sub> eq

<sup>a</sup> The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for calculation of assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol.

Table 37  
Denmark's emissions/removals of greenhouse gases in 2009 and 2010

Parameter	Emissions/removals of greenhouse gases (t CO <sub>2</sub> eq)		
	In 2009 (final values based on the 2011 submissions)	In 2009 (provisional values based on the 2012 submissions)	In 2010 (provisional values based on the 2012 submissions)
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	61 646 147	61 312 351	61 780 797
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	-110 572	-502 237	41 054
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-1 025 658	-386 361	-2 219 837

Abbreviation: LULUCF = land use, land-use change and forestry.

Table 38  
Denmark's total quantities of Kyoto Protocol units by account type at the end of 2010 (final values)

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding	207 147 842	4 108 696	NO	447 341	NO	NO
Entity holding	23 415 544	184 668	NO	1 292 555	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	149 207	13 374	NO	72	NO	NO
Retirement	51 493 378	NO	NO	537 973	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>282 205 971</b>	<b>4 306 738</b>	<b>NO</b>	<b>2 277 941</b>	<b>NO</b>	<b>NO</b>

Abbreviations: AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 39  
Denmark's total quantities of Kyoto Protocol units by account type at the end of 2011 (provisional values)

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding	188 662 626	6 265 538	288 245	753 610	NO	NO
Entity holding	19 887 071	275 900	NO	3 099 733	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	335 864	NO		

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	156 864	13 374	NO	1 989	NO	NO
Retirement	75 940 218	1 766	NO	1 360 596	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>284 646 779</b>	<b>6 556 578</b>	<b>624 109</b>	<b>5 215 928</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 40

**Denmark's total transactions of Kyoto Protocol units in 2011 (provisional values)**

<i>Transaction type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
<i>Additions</i>						
Internal transactions		NO	624 109			
External transactions	8 593 901	2 249 840	NO	3 022 739	NO	NO
<b>Total transactions</b>	<b>8 593 901</b>	<b>2 249 840</b>	<b>624 109</b>	<b>3 022 739</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	7 657	NO	335 864	1 917	NO	NO
External transactions	6 153 093	NO	NO	84 752	NO	NO
<b>Total transactions</b>	<b>6 160 750</b>	<b>NO</b>	<b>335 864</b>	<b>86 669</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

**X. Estonia**

22. Estonia met all the eligibility criteria and became eligible to participate in all the flexibility mechanisms under the Kyoto Protocol on 15 April 2008.

23. Tables 41–45 provide detailed information on Estonia's initial accounting parameters under the Kyoto Protocol, its GHG emissions and removals, the holdings of Kyoto Protocol units by account type, and transactions of Kyoto Protocol units.

Table 41

**Key initial accounting parameters under the Kyoto Protocol for Estonia (final values)**

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base year emissions <sup>a</sup>	42 622 312	t CO <sub>2</sub> eq
Quantified emission limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	92	per cent

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol for the first commitment period	196 062 637	t CO <sub>2</sub> eq
Commitment period reserve after the 2011 annual review	83 286 042	t CO <sub>2</sub> eq
Limitation on the additions to and subtractions from Estonia's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	1 833 333	t CO <sub>2</sub> eq
Limitation on the total of additions to Estonia's assigned amount resulting from eligible land use, land-use change and forestry project activities under Article 12 of the Kyoto Protocol	1 960 626	t CO <sub>2</sub> eq
Limit on additional removal units a Party may issue due to cancellations (emissions) under Article 3, paragraph 3, of the Kyoto Protocol	165	Mt CO <sub>2</sub> eq

<sup>a</sup> The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for calculation of assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol.

Table 42

**Estonia's emissions/removals of greenhouse gases in 2009 and 2010**

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2009 (final values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2012 submissions)</i>	<i>In 2010 (provisional values based on the 2012 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	16 657 208	16 424 855	20 541 610
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	235 939	253 400	253 807
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	NA	NA	NA

*Abbreviations:* LULUCF = land use, land-use change and forestry, NA = not applicable.

Table 43

**Estonia's total quantities of Kyoto Protocol units by account type at the end of 2010 (final values)**

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Party holding	149 967 364	175 346	NO	NO	NO	NO
Entity holding	3 470 477	22 727	NO	957	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	210 000	NO	NO	NO	NO	NO
Retirement	23 667 710	NO	NO	NO	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>177 315 551</b>	<b>198 073</b>	<b>NO</b>	<b>957</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 44

**Estonia's total quantities of Kyoto Protocol units by account type at the end of 2011 (provisional values)**

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Party holding	101 775 558	13 448	NO	NO	NO	NO
Entity holding	4 278 459	NO	NO	957	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	210 000	NO	NO	NO	NO	NO
Retirement	38 013 117	NO	NO	NO	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>144 277 134</b>	<b>13 448</b>	<b>NO</b>	<b>957</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 45

**Estonia's total transactions of Kyoto Protocol units in 2011 (provisional values)**

<i>Transaction type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
<i>Additions</i>						
Internal transactions		290 429	NO			
External transactions	5 443 848	44 121	NO	NO	NO	NO
<b>Total transactions</b>	<b>5 443 848</b>	<b>334 550</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	290 429	NO	NO	NO	NO	NO
External transactions	38 191 836	519 175	NO	NO	NO	NO
<b>Total transactions</b>	<b>38 482 265</b>	<b>519 175</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.



## XI. European Union

24. The European Union met all the eligibility criteria and became eligible to participate in all the flexibility mechanisms under the Kyoto Protocol on 18 April 2008.

25. Tables 46–53 provide detailed information on the European Union's initial accounting parameters under the Kyoto Protocol, its GHG emissions and removals, the holdings of Kyoto Protocol units by account type, and transactions of Kyoto Protocol units. Accounting data for the EU-15<sup>1</sup> do not include units held in the European Community registry, which are presented in separate tables.

Table 46

### Key initial accounting parameters under the Kyoto Protocol for the European Union (final values)

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base year emissions <sup>a</sup>	4 265 517 719	t CO <sub>2</sub> eq
Quantified emission limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	92	per cent
Assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol for the first commitment period	19 621 381 509	t CO <sub>2</sub> eq
Commitment period reserve after the 2011 annual review	17 659 243 358	t CO <sub>2</sub> eq
Limitation on the additions to and subtractions from the European Union's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	NO	t CO <sub>2</sub> eq
Limitation on the total of additions to the European Union's assigned amount resulting from eligible land use, land-use change and forestry project activities under Article 12 of the Kyoto Protocol	NO	t CO <sub>2</sub> eq
Limit on additional removal units a Party may issue due to cancellations (emissions) under Article 3, paragraph 3, of the Kyoto Protocol	NO	Mt CO <sub>2</sub> eq

*Abbreviation:* NO = not occurring.

<sup>a</sup> The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for calculation of assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol.

Table 47

### The European Union's emissions/removals of greenhouse gases in 2009 and 2010

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2009 (final values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2012 submissions)</i>	<i>In 2010 (provisional values based on the 2012 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	3 723 858 299	3 719 154 029	3 797 613 005
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and	-14 698 032	-14 242 637	-17 347 919

<sup>1</sup> At the time of the deposit by the European Community of its instrument of approval to the Kyoto Protocol on 31 May 2002, the 15 member States of the European Union were Austria, Belgium, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, Netherlands, Portugal, Spain, Sweden and United Kingdom of Great Britain and Northern Ireland.

Parameter	Emissions/removals of greenhouse gases (t CO <sub>2</sub> eq)		
	In 2009 (final values based on the 2011 submissions)	In 2009 (provisional values based on the 2012 submissions)	In 2010 (provisional values based on the 2012 submissions)
deforestation)			
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-280 284 281	-236 346 868	-212 047 374

Abbreviation: LULUCF = land use, land-use change and forestry.

Table 48  
**Total quantities of Kyoto Protocol units held by the EU-15 at the end of 2010, by account type (final values)**

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding	15 540 203 851	7 897 270	NO	42 660 072	NO	NO
Entity holding	1 865 770 653	13 854 185	NO	138 510 396	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	187 521	19 048	NO	2 117 818	NO	NO
Retirement	2 444 912 266	1 226 339	NO	102 492 442	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>19 851 074 291</b>	<b>22 996 842</b>	<b>NO</b>	<b>285 780 728</b>	<b>NO</b>	<b>NO</b>

Abbreviations: AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, EU-15 = the 15 member States of the European Union at the time of the deposit by the European Community of its instrument of approval to the Kyoto Protocol on 31 May 2002, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 49  
**Total quantities of Kyoto Protocol units held in the European Community registry at the end of 2010, by account type (final values)**

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding	125 516	NO	NO	303 069	NO	NO
Entity holding	NO	NO	NO	NO	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	NO	NO	NO	NO	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>125 516</b>	<b>NO</b>	<b>NO</b>	<b>303 069</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 50  
**Total quantities of Kyoto Protocol units held by the EU-15 at the end of 2011, by account type (provisional values)**

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Party holding	13 299 742 924	16 737 452	24 098 870	34 080 296	NO	NO
Entity holding	2 202 295 989	59 701 697	NO	272 730 881	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	12 664 693	NO	335 864	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	225 809	26 543	NO	3 054 537	NO	NO
Retirement	4 505 208 013	13 229 345	NO	203 044 728	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>20 020 137 428</b>	<b>89 695 037</b>	<b>24 434 734</b>	<b>512 910 442</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, EU-15 = the 15 member States of the European Union at the time of the deposit by the European Community of its instrument of approval to the Kyoto Protocol on 31 May 2002, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 51  
**Total quantities of Kyoto Protocol units held in the European Community registry at the end of 2011, by account type (provisional values)**

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Party holding	14 770 754	NO	NO	956 741	NO	NO
Entity holding	NO	NO	NO	NO	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	NO	NO	NO	NO	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
<b>Total</b>	<b>14 770 754</b>	<b>NO</b>	<b>NO</b>	<b>956 741</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 52

**Total transactions of Kyoto Protocol units carried out by the EU-15 in 2011 (provisional values)**

<i>Transaction type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
<i>Additions</i>						
Internal transactions		6 326 482	24 434 734			
External transactions	269 669 926	77 488 112	3 900 000	316 807 311	NO	NO
<b>Total transactions</b>	<b>269 669 926</b>	<b>83 814 594</b>	<b>28 334 734</b>	<b>316 807 311</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	19 029 463	7 495	335 864	936 719	NO	NO
External transactions	94 280 307	17 116 399	3 900 000	89 677 597	NO	NO
<b>Total transactions</b>	<b>113 309 770</b>	<b>17 123 894</b>	<b>4 235 864</b>	<b>90 614 316</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, EU-15 = the 15 member States of the European Union at the time of the deposit by the European Community of its instrument of approval to the Kyoto Protocol on 31 May 2002, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 53

**Total transactions of Kyoto Protocol units carried out by the European Community registry in 2011 (provisional values)**

<i>Transaction type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
<i>Additions</i>						
Internal transactions		NO	NO			
External transactions	377 706	NO	NO	653 402	NO	NO
<b>Total transactions</b>	<b>377 706</b>	<b>NO</b>	<b>NO</b>	<b>653 402</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	NO	NO	NO
External transactions	5 090 000	NO	NO	NO	NO	NO
<b>Total transactions</b>	<b>5 090 000</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

## XII. Finland

26. Finland met all the eligibility criteria and became eligible to participate in all the flexibility mechanisms under the Kyoto Protocol on 22 April 2008.

27. Tables 54–58 provide detailed information on Finland’s initial accounting parameters under the Kyoto Protocol, its GHG emissions and removals, the holdings of Kyoto Protocol units by account type, and transactions of Kyoto Protocol units.

Table 54

**Key initial accounting parameters under the Kyoto Protocol for Finland (final values)**

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base year emissions <sup>a</sup>	71 003 509	t CO <sub>2</sub> eq
Quantified emission limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	100	per cent
Assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol for the first commitment period	355 017 545	t CO <sub>2</sub> eq
Commitment period reserve after the 2011 annual review	319 515 791	t CO <sub>2</sub> eq
Limitation on the additions to and subtractions from Finland’s assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	2 933 333	t CO <sub>2</sub> eq
Limitation on the total of additions to Finland’s assigned amount resulting from eligible land use, land-use change and forestry project activities under Article 12 of the Kyoto Protocol	3 550 175	t CO <sub>2</sub> eq
Limit on additional removal units a Party may issue due to cancellations (emissions) under Article 3, paragraph 3, of the Kyoto Protocol	165	Mt CO <sub>2</sub> eq

<sup>a</sup> The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for calculation of assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol.

Table 55

**Finland’s emissions/removals of greenhouse gases in 2009 and 2010**

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2009 (final values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2012 submissions)</i>	<i>In 2010 (provisional values based on the 2012 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	66 344 470	66 118 734	74 555 635
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	3 821 146	3 988 813	3 994 559
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-50 279 393	-47 277 539	-31 835 524

*Abbreviation:* LULUCF = land use, land-use change and forestry.

Table 56

**Finland’s total quantities of Kyoto Protocol units by account type at the end of 2010 (final values)**

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Party holding	243 699 633	129 710	NO	315 676	NO	NO

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Entity holding	41 357 164	302 722	NO	2 208 128	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	330	NO	NO	5 178	NO	NO
Retirement	67 714 647	131 020	NO	2 517 189	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>352 771 774</b>	<b>563 452</b>	<b>NO</b>	<b>5 046 171</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 57

**Finland's total quantities of Kyoto Protocol units by account type at the end of 2011 (provisional values)**

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Party holding	205 522 832	426 340	NO	593 188	NO	NO
Entity holding	41 699 708	1 033 018	NO	2 810 477	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	330	NO	NO	8 718	NO	NO
Retirement	107 097 760	281 467	NO	4 283 931	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>354 320 630</b>	<b>1 740 825</b>	<b>NO</b>	<b>7 696 314</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 58

**Finland's total transactions of Kyoto Protocol units in 2011 (provisional values)**

<i>Transaction type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
<i>Additions</i>						
Internal transactions		220 551	NO			
External transactions	12 163 752	1 031 814	NO	4 206 060	NO	NO
<b>Total transactions</b>	<b>12 163 752</b>	<b>1 252 365</b>	<b>NO</b>	<b>4 206 060</b>	<b>NO</b>	<b>NO</b>

<i>Transaction type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
<i>Subtractions</i>						
Internal transactions	220 551	NO	NO	3 540	NO	NO
External transactions	10 394 345	74 992	NO	1 555 917	NO	NO
<b>Total transactions</b>	<b>10 614 896</b>	<b>74 992</b>	<b>NO</b>	<b>1 559 457</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

### XIII. France

28. France met all the eligibility criteria and became eligible to participate in all the flexibility mechanisms under the Kyoto Protocol on 21 April 2008.

29. Tables 59–63 provide detailed information on France's initial accounting parameters under the Kyoto Protocol, its GHG emissions and removals, the holdings of Kyoto Protocol units by account type, and transactions of Kyoto Protocol units.

Table 59

#### Key initial accounting parameters under the Kyoto Protocol for France (final values)

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base year emissions <sup>a</sup>	563 925 328	t CO <sub>2</sub> eq
Quantified emission limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	100	per cent
Assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol for the first commitment period	2 819 626 640	t CO <sub>2</sub> eq
Commitment period reserve after the 2011 annual review	2 537 663 976	t CO <sub>2</sub> eq
Limitation on the additions to and subtractions from France's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	16 133 333	t CO <sub>2</sub> eq
Limitation on the total of additions to France's assigned amount resulting from eligible land use, land-use change and forestry project activities under Article 12 of the Kyoto Protocol	28 196 266	t CO <sub>2</sub> eq
Limit on additional removal units a Party may issue due to cancellations (emissions) under Article 3, paragraph 3, of the Kyoto Protocol	165	Mt CO <sub>2</sub> eq

<sup>a</sup> The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for calculation of assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol.

Table 60

#### France's emissions/removals of greenhouse gases in 2009 and 2010

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2009 (final values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2012 submissions)</i>	<i>In 2010 (provisional values based on the 2012 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	517 247 888	514 568 024	522 372 578

Parameter	Emissions/removals of greenhouse gases (t CO <sub>2</sub> eq)		
	In 2009 (final values based on the 2011 submissions)	In 2009 (provisional values based on the 2012 submissions)	In 2010 (provisional values based on the 2012 submissions)
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	3 208 770	6 367 764	3 294 422
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-72 172 836	-51 586 418	-44 598 695

Abbreviation: LULUCF = land use, land-use change and forestry.

Table 61  
**France's total quantities of Kyoto Protocol units by account type at the end of 2010 (final values)**

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding	2 419 900 486	485	NO	NO	NO	NO
Entity holding	215 478 083	919 500	NO	10 946 165	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	3 361	NO	NO	193 201	NO	NO
Retirement	225 215 433	303 637	NO	9 677 815	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>2 860 597 363</b>	<b>1 223 622</b>	<b>NO</b>	<b>20 817 181</b>	<b>NO</b>	<b>NO</b>

Abbreviations: AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 62  
**France's total quantities of Kyoto Protocol units by account type at the end of 2011 (provisional values)**

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding	2 269 213 954	NO	23 810 625	NO	NO	NO
Entity holding	232 162 177	7 612 654	NO	49 762 697	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	12 664 693	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	5 501	NO	NO	274 250	NO	NO
Retirement	335 397 793	984 557	NO	14 083 319	NO	NO



<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>2 849 444 118</b>	<b>8 597 211</b>	<b>23 810 625</b>	<b>64 120 266</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 63

**France's total transactions of Kyoto Protocol units in 2011 (provisional values)**

<i>Transaction type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
<i>Additions</i>						
Internal transactions		2 185 413	23 810 625			
External transactions	228 287 848	17 074 662	NO	131 806 298	NO	NO
<b>Total transactions</b>	<b>228 287 848</b>	<b>19 260 075</b>	<b>23 810 625</b>	<b>131 806 298</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	14 852 246	NO	NO	81 049	NO	NO
External transactions	237 255 680	11 886 486	NO	88 503 213	NO	NO
<b>Total transactions</b>	<b>252 107 926</b>	<b>11 886 486</b>	<b>NO</b>	<b>88 584 262</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

**XIV. Germany**

30. Germany met all the eligibility criteria and became eligible to participate in all the flexibility mechanisms under the Kyoto Protocol on 27 April 2008.

31. Tables 64–68 provide detailed information on Germany's initial accounting parameters under the Kyoto Protocol, its GHG emissions and removals, the holdings of Kyoto Protocol units by account type, and transactions of Kyoto Protocol units.

Table 64

**Key initial accounting parameters under the Kyoto Protocol for Germany (final values)**

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base year emissions <sup>d</sup>	1 232 429 543	t CO <sub>2</sub> eq
Quantified emission limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	79	per cent
Assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol for the first commitment period	4 868 096 694	t CO <sub>2</sub> eq
Commitment period reserve after the 2011 annual review	4 381 287 024	t CO <sub>2</sub> eq

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Limitation on the additions to and subtractions from Germany's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	22 733 333	t CO <sub>2</sub> eq
Limitation on the total of additions to Germany's assigned amount resulting from eligible land use, land-use change and forestry project activities under Article 12 of the Kyoto Protocol	48 680 967	t CO <sub>2</sub> eq
Limit on additional removal units a Party may issue due to cancellations (emissions) under Article 3, paragraph 3, of the Kyoto Protocol	165	Mt CO <sub>2</sub> eq

<sup>a</sup> The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for calculation of assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol.

Table 65

**Germany's emissions/removals of greenhouse gases in 2009 and 2010**

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2009 (final values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2012 submissions)</i>	<i>In 2010 (provisional values based on the 2012 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	919 698 163	911 802 225	936 543 817
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	-3 713 550	-5 791 346	-5 824 260
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-20 526 717	-19 407 839	-19 410 305

*Abbreviation:* LULUCF = land use, land-use change and forestry.

Table 66

**Germany's total quantities of Kyoto Protocol units by account type at the end of 2010 (final values)**

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Party holding	3 560 634 088	405 458	NO	1 763 593	NO	NO
Entity holding	510 041 389	2 930 093	NO	34 305 426	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	2 194	5 663	NO	554 726	NO	NO
Retirement	854 569 558	670 990	NO	49 721 049	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
<b>Total</b>	<b>4 925 247 229</b>	<b>4 012 204</b>	<b>NO</b>	<b>86 344 794</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 67

**Germany's total quantities of Kyoto Protocol units by account type at the end of 2011 (provisional values)**

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Party holding	3 112 267 083	4 931 830	NO	1 941 653	NO	NO
Entity holding	547 477 254	24 058 140	NO	48 262 629	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	2 828	13 158	NO	757 604	NO	NO
Retirement	1 273 092 585	4 865 496	NO	83 095 436	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>4 932 839 750</b>	<b>33 868 624</b>	<b>NO</b>	<b>134 057 322</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 68

**Germany's total transactions of Kyoto Protocol units in 2011 (provisional values)**

<i>Transaction type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
<i>Additions</i>						
Internal transactions		3 697 267	NO			
External transactions	207 943 064	34 515 185	NO	109 134 582	NO	NO
<b>Total transactions</b>	<b>207 943 064</b>	<b>38 212 452</b>	<b>NO</b>	<b>109 134 582</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	3 697 901	7 495	NO	202 878	NO	NO
External transactions	196 653 276	8 356 032	NO	61 422 054	NO	NO
<b>Total transactions</b>	<b>200 351 177</b>	<b>8 363 527</b>	<b>NO</b>	<b>61 624 932</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

## XV. Greece

32. On 17 April 2008 the enforcement branch adopted a final decision indicating that Greece is not eligible to participate in the mechanisms under Articles 6, 12 and 17 of the Kyoto Protocol. Greece became fully eligible to participate in the mechanisms on 14 November 2008.

33. Tables 69–73 provide detailed information on Greece's initial accounting parameters under the Kyoto Protocol, its GHG emissions and removals, the holdings of Kyoto Protocol units by account type, and transactions of Kyoto Protocol units.

Table 69

### Key initial accounting parameters under the Kyoto Protocol for Greece (final values)

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base year emissions <sup>a</sup>	106 987 169	t CO <sub>2</sub> eq
Quantified emission limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	125	per cent
Assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol for the first commitment period	668 669 806	t CO <sub>2</sub> eq
Commitment period reserve after the 2011 annual review	601 802 826	t CO <sub>2</sub> eq
Limitation on the additions to and subtractions from Greece's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	1 650 000	t CO <sub>2</sub> eq
Limitation on the total of additions to Greece's assigned amount resulting from eligible land use, land-use change and forestry project activities under Article 12 of the Kyoto Protocol	6 686 698	t CO <sub>2</sub> eq
Limit on additional removal units a Party may issue due to cancellations (emissions) under Article 3, paragraph 3, of the Kyoto Protocol	165	Mt CO <sub>2</sub> eq

<sup>a</sup> The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for calculation of assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol.

Table 70

### Greece's emissions/removals of greenhouse gases in 2009 and 2010

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2009 (final values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2012 submissions)</i>	<i>In 2010 (provisional values based on the 2012 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	122 724 106	124 692 765	118 286 730
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	-350 626	-343 654	-348 534
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-1 944 710	-1 845 699	-1 854 763

*Abbreviation:* LULUCF = land use, land-use change and forestry.

Table 71  
**Greece's total quantities of Kyoto Protocol units by account type at the end of 2010  
 (final values)**

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Party holding	477 088 963	NO	NO	NO	NO	NO
Entity holding	46 608 666	228	NO	337 158	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	133 166 664	21 114	NO	327 687	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>656 864 293</b>	<b>21 342</b>	<b>NO</b>	<b>664 845</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 72  
**Greece's total quantities of Kyoto Protocol units by account type at the end of 2011  
 (provisional values)**

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Party holding	401 140 993	NO	NO	NO	NO	NO
Entity holding	43 121 909	4 498	NO	2 574 280	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	189 433 820	29 365	NO	3 978 140	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>633 696 722</b>	<b>33 863</b>	<b>NO</b>	<b>6 552 420</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 73  
Greece's total transactions of Kyoto Protocol units in 2011 (provisional values)

<i>Transaction type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
<i>Additions</i>						
Internal transactions		NO	NO			
External transactions	700 242	12 521	NO	5 902 575	NO	NO
<b>Total transactions</b>	<b>700 242</b>	<b>12 521</b>	<b>NO</b>	<b>5 902 575</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	NO	NO	NO
External transactions	23 867 813	NO	NO	15 000	NO	NO
<b>Total transactions</b>	<b>23 867 813</b>	<b>NO</b>	<b>NO</b>	<b>15 000</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

## XVI. Hungary

34. Hungary met all the eligibility criteria and became eligible to participate in all the flexibility mechanisms under the Kyoto Protocol on 30 December 2007.

35. Tables 74–78 provide detailed information on Hungary's initial accounting parameters under the Kyoto Protocol, its GHG emissions and removals, the holdings of Kyoto Protocol units by account type, and transactions of Kyoto Protocol units.

Table 74  
Key initial accounting parameters under the Kyoto Protocol for Hungary (final values)

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base year emissions <sup>a</sup>	115 397 149	t CO <sub>2</sub> eq
Quantified emission limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	94	per cent
Assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol for the first commitment period	542 366 600	t CO <sub>2</sub> eq
Commitment period reserve after the 2011 annual review	333 919 725	t CO <sub>2</sub> eq
Limitation on the additions to and subtractions from Hungary's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	5 316 667	t CO <sub>2</sub> eq
Limitation on the total of additions to Hungary's assigned amount resulting from eligible land use, land-use change and forestry project activities under Article 12 of the Kyoto Protocol	5 423 666	t CO <sub>2</sub> eq
Limit on additional removal units a Party may issue due to cancellations (emissions) under Article 3, paragraph 3, of the Kyoto Protocol	165	Mt CO <sub>2</sub> eq

<sup>a</sup> The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for calculation of assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol.

Table 75  
Hungary's emissions/removals of greenhouse gases in 2009 and 2010

Parameter	Emissions/removals of greenhouse gases (t CO <sub>2</sub> eq)		
	In 2009 (final values based on the 2011 submissions)	In 2009 (provisional values based on the 2012 submissions)	In 2010 (provisional values based on the 2012 submissions)
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	66 783 945	66 983 445	67 784 808
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	-1 072 786	-1 025 618	-1 214 842
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-1 891 824	-1 891 824	-1 679 710

Abbreviation: LULUCF = land use, land-use change and forestry.

Table 76  
Hungary's total quantities of Kyoto Protocol units by account type at the end of 2010 (final values)

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding	457 436 897	372 381	NO	2 275 578	NO	NO
Entity holding	10 949 417	373 649	NO	1 713 546	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	318	NO	NO
Retirement	49 638 997	NO	NO	NO	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>518 025 311</b>	<b>746 030</b>	<b>NO</b>	<b>3 989 442</b>	<b>NO</b>	<b>NO</b>

Abbreviations: AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 77  
Hungary's total quantities of Kyoto Protocol units by account type at the end of 2011 (provisional values)

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding	431 729 115	137 159	9 118	2 275 578	NO	NO
Entity holding	12 791 422	819 855	NO	1 421 617	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	34 614	NO		

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	343	NO	NO
Retirement	71 093 069	485 504	NO	1 146 335	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>515 613 606</b>	<b>1 442 518</b>	<b>43 732</b>	<b>4 843 873</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 78

**Hungary's total transactions of Kyoto Protocol units in 2011 (provisional values)**

<i>Transaction type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
<i>Additions</i>						
Internal transactions		1 645 676	3 943 732			
External transactions	6 066 545	737 489	NO	1 075 516	NO	NO
<b>Total transactions</b>	<b>6 066 545</b>	<b>2 383 165</b>	<b>3 943 732</b>	<b>1 075 516</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	1 645 676	NO	34 614	25	NO	NO
External transactions	6 832 574	1 686 677	3 900 000	221 085	NO	NO
<b>Total transactions</b>	<b>8 478 250</b>	<b>1 686 677</b>	<b>3 934 614</b>	<b>221 110</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

**XVII. Iceland**

36. Iceland met all the eligibility criteria and became eligible to participate in all the flexibility mechanisms under the Kyoto Protocol on 11 May 2008.

37. Tables 79 and 80 provide detailed information on Iceland's initial accounting parameters under the Kyoto Protocol and its GHG emissions and removals. In accordance with the annex to decision 14/CMP.1, each Annex B Party is required to submit standard electronic format (SEF) tables in the year following the calendar year in which the Party first transferred or acquired Kyoto Protocol units. As at 31 December 2011, Iceland had neither transferred nor acquired any Kyoto Protocol units.

Table 79

**Key initial accounting parameters under the Kyoto Protocol for Iceland (final values)**

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base year emissions <sup>d</sup>	3 367 972	t CO <sub>2</sub> eq



<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Quantified emission limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	110	per cent
Assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol for the first commitment period	18 523 847	t CO <sub>2</sub> eq
Commitment period reserve after the 2011 annual review	16 671 462	t CO <sub>2</sub> eq
Limitation on the additions to and subtractions from Iceland's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	0	t CO <sub>2</sub> eq
Limitation on the total of additions to Iceland's assigned amount resulting from eligible land use, land-use change and forestry project activities under Article 12 of the Kyoto Protocol	185 238	t CO <sub>2</sub> eq
Limit on additional removal units a Party may issue due to cancellations (emissions) under Article 3, paragraph 3, of the Kyoto Protocol	165	Mt CO <sub>2</sub> eq

<sup>a</sup> The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for calculation of assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol.

Table 80

**Iceland's emissions/removals of greenhouse gases in 2009 and 2010**

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2009 (final values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2012 submissions)</i>	<i>In 2010 (provisional values based on the 2012 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	4 649 082	4 700 224	4 542 054
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	-147 234	-158 611	-171 513
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-439 383	-508 715	-515 981

*Abbreviation:* LULUCF = land use, land-use change and forestry.

**XVIII. Ireland**

38. Ireland met all the eligibility criteria and became eligible to participate in all the flexibility mechanisms under the Kyoto Protocol on 19 April 2008.

39. Tables 81–85 provide detailed information on Ireland's initial accounting parameters under the Kyoto Protocol, its GHG emissions and removals, the holdings of Kyoto Protocol units by account type, and transactions of Kyoto Protocol units.

Table 81  
**Key initial accounting parameters under the Kyoto Protocol for Ireland (final values)**

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base year emissions <sup>a</sup>	55 607 836	t CO <sub>2</sub> eq
Quantified emission limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	113	per cent
Assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol for the first commitment period	314 184 272	t CO <sub>2</sub> eq
Commitment period reserve after the 2011 annual review	282 765 845	t CO <sub>2</sub> eq
Limitation on the additions to and subtractions from Ireland's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	916 667	t CO <sub>2</sub> eq
Limitation on the total of additions to Ireland's assigned amount resulting from eligible land use, land-use change and forestry project activities under Article 12 of the Kyoto Protocol	3 141 843	t CO <sub>2</sub> eq
Limit on additional removal units a Party may issue due to cancellations (emissions) under Article 3, paragraph 3, of the Kyoto Protocol	165	Mt CO <sub>2</sub> eq

<sup>a</sup> The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for calculation of assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol.

Table 82  
**Ireland's emissions/removals of greenhouse gases in 2009 and 2010**

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2009 (final values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2012 submissions)</i>	<i>In 2010 (provisional values based on the 2012 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	62 394 847	61 741 589	61 314 068
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	-2 800 074	-2 797 705	-2 965 357
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	NA	NA	NA

*Abbreviations:* LULUCF = land use, land-use change and forestry, NA = not applicable.

Table 83  
**Ireland's total quantities of Kyoto Protocol units by account type at the end of 2010 (final values)**

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Party holding	253 149 685	NO	NO	NO	NO	NO
Entity holding	21 225 739	722 440	NO	6 387 753	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Other cancellation	490	NO	NO	2 059	NO	NO
Retirement	36 660 229	NO	NO	936 835	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>311 036 143</b>	<b>722 440</b>	<b>NO</b>	<b>7 326 647</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 84

**Ireland's total quantities of Kyoto Protocol units by account type at the end of 2011 (provisional values)**

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Party holding	231 112 024	NO	NO	NO	NO	NO
Entity holding	14 588 845	129 852	NO	9 138 714	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	735	NO	NO	2 059	NO	NO
Retirement	52 890 867	394 883	NO	1 667 332	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>298 592 471</b>	<b>524 735</b>	<b>NO</b>	<b>10 808 105</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 85

**Ireland's total transactions of Kyoto Protocol units in 2011 (provisional values)**

<i>Transaction type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
<i>Additions</i>						
Internal transactions		NO	NO			
External transactions	5 560 581	237 295	NO	13 946 988	NO	NO
<b>Total transactions</b>	<b>5 560 581</b>	<b>237 295</b>	<b>NO</b>	<b>13 946 988</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	245	NO	NO	NO	NO	NO
External transactions	18 004 253	435 000	NO	10 465 530	NO	NO

<i>Transaction type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
<b>Total transactions</b>	<b>18 004 498</b>	<b>435 000</b>	<b>NO</b>	<b>10 465 530</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

## XIX. Italy

40. Italy met all the eligibility criteria and became eligible to participate in all the flexibility mechanisms under the Kyoto Protocol on 19 April 2008.

41. Tables 86–90 provide detailed information on Italy's initial accounting parameters under the Kyoto Protocol, its GHG emissions and removals, the holdings of Kyoto Protocol units by account type, and transactions of Kyoto Protocol units.

Table 86

### Key initial accounting parameters under the Kyoto Protocol for Italy (final values)

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base year emissions <sup>a</sup>	516 850 887	t CO <sub>2</sub> eq
Quantified emission limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	93.5	per cent
Assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol for the first commitment period	2 416 277 898	t CO <sub>2</sub> eq
Commitment period reserve after the 2011 annual review	2 174 650 108	t CO <sub>2</sub> eq
Limitation on the additions to and subtractions from Italy's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	50 966 667	t CO <sub>2</sub> eq
Limitation on the total of additions to Italy's assigned amount resulting from eligible land use, land-use change and forestry project activities under Article 12 of the Kyoto Protocol	24 162 779	t CO <sub>2</sub> eq
Limit on additional removal units a Party may issue due to cancellations (emissions) under Article 3, paragraph 3, of the Kyoto Protocol	165	Mt CO <sub>2</sub> eq

<sup>a</sup> The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for calculation of assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol.

Table 87

### Italy's emissions/removals of greenhouse gases in 2009 and 2010

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2009 (final values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2012 submissions)</i>	<i>In 2010 (provisional values based on the 2012 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	491 119 579	491 528 493	501 317 659
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	-6 320 274	-6 278 424	-6 314 667

Parameter	Emissions/removals of greenhouse gases (t CO <sub>2</sub> eq)		
	In 2009 (final values based on the 2011 submissions)	In 2009 (provisional values based on the 2012 submissions)	In 2010 (provisional values based on the 2012 submissions)
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-48 451 176	-34 447 797	-36 214 905

Abbreviation: LULUCF = land use, land-use change and forestry.

Table 88  
**Italy's total quantities of Kyoto Protocol units by account type at the end of 2010 (final values)**

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding	2 185 496 062	287 848	NO	15 698 709	NO	NO
Entity holding	230 840 741	2 158	NO	19 175 903	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	NO	NO	NO	NO	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>2 416 336 803</b>	<b>290 006</b>	<b>NO</b>	<b>34 874 612</b>	<b>NO</b>	<b>NO</b>

Abbreviations: AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 89  
**Italy's total quantities of Kyoto Protocol units by account type at the end of 2011 (provisional values)**

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding	1 602 189 698	NO	NO	NO	NO	NO
Entity holding	213 293 289	2 105 194	NO	23 852 661	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	567 758 394	752 006	NO	28 577 753	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
<b>Total</b>	<b>2 383 241 381</b>	<b>2 857 200</b>	<b>NO</b>	<b>52 430 414</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 90

**Italy's total transactions of Kyoto Protocol units in 2011 (provisional values)**

<i>Transaction type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
<i>Additions</i>						
Internal transactions		NO	NO			
External transactions	40 163 828	3 357 194	NO	54 089 496	NO	NO
<b>Total transactions</b>	<b>40 163 828</b>	<b>3 357 194</b>	<b>NO</b>	<b>54 089 496</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	NO	NO	NO
External transactions	73 259 250	790 000	NO	36 533 694	NO	NO
<b>Total transactions</b>	<b>73 259 250</b>	<b>790 000</b>	<b>NO</b>	<b>36 533 694</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

**XX. Japan**

42. Japan met all the eligibility criteria and became eligible to participate in all the flexibility mechanisms under the Kyoto Protocol on 30 December 2007.

43. Tables 91–95 provide detailed information on Japan's initial accounting parameters under the Kyoto Protocol, its GHG emissions and removals, the holdings of Kyoto Protocol units by account type, and transactions of Kyoto Protocol units.

Table 91

**Key initial accounting parameters under the Kyoto Protocol for Japan (final values)**

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base year emissions <sup>a</sup>	1 261 331 418	t CO <sub>2</sub> eq
Quantified emission limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	94	per cent
Assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol for the first commitment period	5 928 257 666	t CO <sub>2</sub> eq
Commitment period reserve after the 2011 annual review	5 335 431 899	t CO <sub>2</sub> eq
Limitation on the additions to and subtractions from Japan's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	238 333 333	t CO <sub>2</sub> eq
Limitation on the total of additions to Japan's assigned amount resulting from eligible land use, land-use change and forestry project activities under Article 12 of the Kyoto Protocol	59 282 577	t CO <sub>2</sub> eq

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Limit on additional removal units a Party may issue due to cancellations (emissions) under Article 3, paragraph 3, of the Kyoto Protocol	165	Mt CO <sub>2</sub> eq

<sup>a</sup> The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for calculation of assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol.

Table 92

**Japan's emissions/removals of greenhouse gases in 2009 and 2010**

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2009 (final values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2012 submissions)</i>	<i>In 2010 (provisional values based on the 2012 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	1 209 213 167	1 207 379 827	1 257 981 874
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	2 671 426	2 700 055	4 396 782
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-49 760 577	-50 117 891	-54 381 921

*Abbreviation:* LULUCF = land use, land-use change and forestry.

Table 93

**Japan's total quantities of Kyoto Protocol units by account type at the end of 2010 (final values)**

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Party holding	6 004 653 236	1 589 127	NO	27 930 560	NO	NO
Entity holding	57 781 369	822 075	NO	38 882 858	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	20 864	NO	NO
Retirement	23 000 000	NO	NO	36 085 909	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>6 085 434 605</b>	<b>2 411 202</b>	<b>NO</b>	<b>102 920 191</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 94  
**Japan's total quantities of Kyoto Protocol units by account type at the end of 2011  
(provisional values)**

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Party holding	6 082 407 744	2 291 242	NO	40 348 937	NO	NO
Entity holding	17 845 641	2 858 530	NO	43 676 675	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	20 864	NO	NO
Retirement	23 000 000	NO	NO	36 085 909	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>6 123 253 385</b>	<b>5 149 772</b>	<b>NO</b>	<b>120 132 385</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 95  
**Japan's total transactions of Kyoto Protocol units in 2011 (provisional values)**

<i>Transaction type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
<i>Additions</i>						
Internal transactions		NO	NO			
External transactions	37 834 499	3 682 191	NO	62 722 538	NO	NO
<b>Total transactions</b>	<b>37 834 499</b>	<b>3 682 191</b>	<b>NO</b>	<b>62 722 538</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	NO	NO	NO
External transactions	15 719	943 621	NO	45 510 344	NO	NO
<b>Total transactions</b>	<b>15 719</b>	<b>943 621</b>	<b>NO</b>	<b>45 510 344</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

## XXI. Latvia

44. Latvia met all the eligibility criteria and became eligible to participate in all the flexibility mechanisms under the Kyoto Protocol on 29 April 2008.

45. Tables 96–100 provide detailed information on Latvia's initial accounting parameters under the Kyoto Protocol, its GHG emissions and removals, the holdings of Kyoto Protocol units by account type, and transactions of Kyoto Protocol units.



Table 96  
**Key initial accounting parameters under the Kyoto Protocol for Latvia (final values)**

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base year emissions <sup>a</sup>	25 909 159	t CO <sub>2</sub> eq
Quantified emission limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	92	per cent
Assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol for the first commitment period	119 182 130	t CO <sub>2</sub> eq
Commitment period reserve after the 2011 annual review	53 677 339	t CO <sub>2</sub> eq
Limitation on the additions to and subtractions from Latvia's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	6 233 333	t CO <sub>2</sub> eq
Limitation on the total of additions to Latvia's assigned amount resulting from eligible land use, land-use change and forestry project activities under Article 12 of the Kyoto Protocol	1 191 821	t CO <sub>2</sub> eq
Limit on additional removal units a Party may issue due to cancellations (emissions) under Article 3, paragraph 3, of the Kyoto Protocol	165	Mt CO <sub>2</sub> eq

<sup>a</sup> The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for calculation of assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol.

Table 97  
**Latvia's emissions/removals of greenhouse gases in 2009 and 2010**

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2009 (final values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2012 submissions)</i>	<i>In 2010 (provisional values based on the 2012 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	10 735 468	10 961 900	12 077 034
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	349 688	-97 522	-146 495
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-21 102 106	-21 102 106	-17 309 082

*Abbreviation:* LULUCF = land use, land-use change and forestry.

Table 98  
**Latvia's total quantities of Kyoto Protocol units by account type at the end of 2010 (final values)**

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Party holding	78 193 510	NO	NO	NO	NO	NO
Entity holding	3 667 598	NO	NO	33 858	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	4 640 629	9 215	NO	582 871	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>86 501 737</b>	<b>9 215</b>	<b>NO</b>	<b>616 729</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 99

**Latvia's total quantities of Kyoto Protocol units by account type at the end of 2011 (provisional values)**

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Party holding	74 671 083	NO	NO	NO	NO	NO
Entity holding	2 756 343	8 299	NO	7 761	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	7 651 222	27 222	NO	794 451	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>85 078 648</b>	<b>35 521</b>	<b>NO</b>	<b>802 212</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 100

**Latvia's total transactions of Kyoto Protocol units in 2011 (provisional values)**

<i>Transaction type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
<i>Additions</i>						
Internal transactions		NO	NO			
External transactions	20 132	26 932	NO	189 483	NO	NO
<b>Total transactions</b>	<b>20 132</b>	<b>26 932</b>	<b>NO</b>	<b>189 483</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	NO	NO	NO
External transactions	1 443 221	626	NO	4 000	NO	NO

<i>Transaction type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
<b>Total transactions</b>	<b>1 443 221</b>	<b>626</b>	<b>NO</b>	<b>4 000</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

## XXII. Liechtenstein

46. Liechtenstein met all the eligibility criteria and became eligible to participate in all the flexibility mechanisms under the Kyoto Protocol on 22 April 2008.

47. Tables 101–105 provide detailed information on Liechtenstein's initial accounting parameters under the Kyoto Protocol, its GHG emissions and removals, the holdings of Kyoto Protocol units by account type, and transactions of Kyoto Protocol units.

Table 101

### Key initial accounting parameters under the Kyoto Protocol for Liechtenstein (final values)

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base year emissions <sup>a</sup>	229 483	t CO <sub>2</sub> eq
Quantified emission limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	92	per cent
Assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol for the first commitment period	1 055 623	t CO <sub>2</sub> eq
Commitment period reserve after the 2011 annual review	950 061	t CO <sub>2</sub> eq
Limitation on the additions to and subtractions from Liechtenstein's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	183 333	t CO <sub>2</sub> eq
Limitation on the total of additions to Liechtenstein's assigned amount resulting from eligible land use, land-use change and forestry project activities under Article 12 of the Kyoto Protocol	10 556	t CO <sub>2</sub> eq
Limit on additional removal units a Party may issue due to cancellations (emissions) under Article 3, paragraph 3, of the Kyoto Protocol	165	Mt CO <sub>2</sub> eq

<sup>a</sup> The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for calculation of assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol.

Table 102

### Liechtenstein's emissions/removals of greenhouse gases in 2009 and 2010

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2009 (final values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2012 submissions)</i>	<i>In 2010 (provisional values based on the 2012 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	247 403	248 535	233 172

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2009 (final values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2012 submissions)</i>	<i>In 2010 (provisional values based on the 2012 submissions)</i>
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	-2 789	-2 789	-3 114
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	NA	NA	NA

*Abbreviations:* LULUCF = land use, land-use change and forestry, NA = not applicable.

Table 103  
**Liechtenstein's total quantities of Kyoto Protocol units by account type at the end of 2010 (final values)**

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Party holding	1 030 664	NO	NO	70 000	NO	NO
Entity holding	40 475 977	NO	NO	9 375	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	NO	NO	NO	NO	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>41 506 641</b>	<b>NO</b>	<b>NO</b>	<b>79 375</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 104  
**Liechtenstein's total quantities of Kyoto Protocol units by account type at the end of 2011 (provisional values)**

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Party holding	1 000 966	NO	8 221	180 429	NO	NO
Entity holding	231 268	NO	NO	3 759	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	3 658	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	NO	NO	NO	NO	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>1 232 234</b>	<b>NO</b>	<b>11 879</b>	<b>184 188</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 105

**Liechtenstein's total transactions of Kyoto Protocol units in 2011 (provisional values)**

<i>Transaction type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
<i>Additions</i>						
Internal transactions		NO	11 879			
External transactions	1 937 672	1 221 124	NO	3 715 313	NO	NO
<b>Total transactions</b>	<b>1 937 672</b>	<b>1 221 124</b>	<b>11 879</b>	<b>3 715 313</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	NO	NO	3 658	NO	NO	NO
External transactions	42 212 079	1 221 124	NO	3 610 500	NO	NO
<b>Total transactions</b>	<b>42 212 079</b>	<b>1 221 124</b>	<b>3 658</b>	<b>3 610 500</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

**XXIII. Lithuania**

48. Lithuania met all the eligibility criteria and became eligible to participate in all the flexibility mechanisms under the Kyoto Protocol on 22 April 2008. On 21 December 2011 the enforcement branch of the Compliance Committee suspended Lithuania's eligibility to participate in the mechanisms under Articles 6, 12 and 17 of the Kyoto Protocol. Lithuania's eligibility was reinstated on 24 October 2012.

49. Tables 106–110 provide detailed information on Lithuania's initial accounting parameters under the Kyoto Protocol, its GHG emissions and removals, the holdings of Kyoto Protocol units by account type, and transactions of Kyoto Protocol units.

Table 106

**Key initial accounting parameters under the Kyoto Protocol for Lithuania (final values)**

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base year emissions <sup>a</sup>	49 414 386	t CO <sub>2</sub> eq
Quantified emission limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	92	per cent
Assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol for the first commitment period	227 306 177	t CO <sub>2</sub> eq

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Commitment period reserve after the 2011 annual review	102 091 669	t CO <sub>2</sub> eq
Limitation on the additions to and subtractions from Lithuania's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	5 133 333	t CO <sub>2</sub> eq
Limitation on the total of additions to Lithuania's assigned amount resulting from eligible land use, land-use change and forestry project activities under Article 12 of the Kyoto Protocol	2 273 062	t CO <sub>2</sub> eq
Limit on additional removal units a Party may issue due to cancellations (emissions) under Article 3, paragraph 3, of the Kyoto Protocol	165	Mt CO <sub>2</sub> eq

<sup>a</sup> The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for calculation of assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol.

Table 107

**Lithuania's emissions/removals of greenhouse gases in 2009 and 2010**

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2009 (final values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2012 submissions)</i>	<i>In 2010 (provisional values based on the 2012 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	20 418 334	20 672 836	21 521 492
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	196 167	-72 964	-161 434
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-4 010 039	-11 207 373	-12 068 063

*Abbreviation:* LULUCF = land use, land-use change and forestry.

Table 108

**Lithuania's total quantities of Kyoto Protocol units by account type at the end of 2010 (final values)**

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Party holding	202 353 017	NO	NO	NO	NO	NO
Entity holding	3 963 710	512 342	NO	771 357	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	9 880 407	461 637	NO	1 550 891	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
<b>Total</b>	<b>216 197 134</b>	<b>973 979</b>	<b>NO</b>	<b>2 322 248</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 109

**Lithuania's total quantities of Kyoto Protocol units by account type at the end of 2011 (provisional values)**

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Party holding	160 163 624	41 993	NO	NO	NO	NO
Entity holding	6 036 077	2 502 312	NO	755 932	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	15 443 469	645 015	NO	2 198 905	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>181 643 170</b>	<b>3 189 320</b>	<b>NO</b>	<b>2 954 837</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 110

**Lithuania's total transactions of Kyoto Protocol units in 2011 (provisional values)**

<i>Transaction type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
<i>Additions</i>						
Internal transactions		1 643 504	NO			
External transactions	4 127 961	714 506	NO	1 078 419	NO	NO
<b>Total transactions</b>	<b>4 127 961</b>	<b>2 358 010</b>	<b>NO</b>	<b>1 078 419</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	1 643 504	NO	NO	NO	NO	NO
External transactions	37 038 421	142 669	NO	445 830	NO	NO
<b>Total transactions</b>	<b>38 681 925</b>	<b>142 669</b>	<b>NO</b>	<b>445 830</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

## XXIV. Luxembourg

50. Luxembourg met all the eligibility criteria and became eligible to participate in all the flexibility mechanisms under the Kyoto Protocol on 29 April 2008.

51. Tables 111–115 provide detailed information on Luxembourg's initial accounting parameters under the Kyoto Protocol, its GHG emissions and removals, the holdings of Kyoto Protocol units by account type, and transactions of Kyoto Protocol units.

Table 111

### Key initial accounting parameters under the Kyoto Protocol for Luxembourg (final values)

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base year emissions <sup>a</sup>	13 167 499	t CO <sub>2</sub> eq
Quantified emission limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	72	per cent
Assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol for the first commitment period	47 402 996	t CO <sub>2</sub> eq
Commitment period reserve after the 2011 annual review	42 662 696	t CO <sub>2</sub> eq
Limitation on the additions to and subtractions from Luxembourg's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	183 333	t CO <sub>2</sub> eq
Limitation on the total of additions to Luxembourg's assigned amount resulting from eligible land use, land-use change and forestry project activities under Article 12 of the Kyoto Protocol	474 030	t CO <sub>2</sub> eq
Limit on additional removal units a Party may issue due to cancellations (emissions) under Article 3, paragraph 3, of the Kyoto Protocol	165	Mt CO <sub>2</sub> eq

<sup>a</sup> The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for calculation of assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol.

Table 112

### Luxembourg's emissions/removals of greenhouse gases in 2009 and 2010

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2009 (final values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2012 submissions)</i>	<i>In 2010 (provisional values based on the 2012 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	11 684 385	11 515 121	12 075 340
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	63 364	63 364	47 092
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	NA	NA	NA

*Abbreviations:* LULUCF = land use, land-use change and forestry, NA = not applicable.



Table 113  
**Luxembourg's total quantities of Kyoto Protocol units by account type at the end of 2010 (final values)**

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Party holding	42 009 222	24 138	NO	1 483 909	NO	NO
Entity holding	2 806 843	NO	NO	246 416	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	4 170 237	NO	NO	110 352	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>48 986 302</b>	<b>24 138</b>	<b>NO</b>	<b>1 840 677</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 114  
**Luxembourg's total quantities of Kyoto Protocol units by account type at the end of 2011 (provisional values)**

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Party holding	41 524 876	39 832	NO	1 848 635	NO	NO
Entity holding	2 718 698	198 529	NO	325 924	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	6 235 255	NO	NO	297 996	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>50 478 829</b>	<b>238 361</b>	<b>NO</b>	<b>2 472 555</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 115  
**Luxembourg's total transactions of Kyoto Protocol units in 2011 (provisional values)**

<i>Transaction type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
<i>Additions</i>						
Internal transactions		NO	NO			
External transactions	2 242 062	231 487	NO	659 496	NO	NO
<b>Total transactions</b>	<b>2 242 062</b>	<b>231 487</b>	<b>NO</b>	<b>659 496</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	NO	NO	NO
External transactions	749 535	17 264	NO	27 618	NO	NO
<b>Total transactions</b>	<b>749 535</b>	<b>17 264</b>	<b>NO</b>	<b>27 618</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

## XXV. Monaco

52. Monaco met all the eligibility criteria and became eligible to participate in all the flexibility mechanisms under the Kyoto Protocol on 7 September 2008.

53. Tables 116 and 117 provide detailed information on Monaco's initial accounting parameters under the Kyoto Protocol and its GHG emissions and removals. In accordance with the annex to decision 14/CMP.1, each Annex B Party is required to submit SEF tables in the year following the calendar year in which the Party first transferred or acquired Kyoto Protocol units. As at 31 December 2011, Monaco had neither transferred nor acquired any Kyoto Protocol units.

Table 116  
**Key initial accounting parameters under the Kyoto Protocol for Monaco (final values)**

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base year emissions <sup>a</sup>	107 658	t CO <sub>2</sub> eq
Quantified emission limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	92	per cent
Assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol for the first commitment period	495 221	t CO <sub>2</sub> eq
Commitment period reserve after the 2011 annual review	445 699	t CO <sub>2</sub> eq
Limitation on the additions to and subtractions from Monaco's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	0	t CO <sub>2</sub> eq
Limitation on the total of additions to Monaco's assigned amount resulting from eligible land use, land-use change and forestry project activities under Article 12 of the Kyoto Protocol	4 952	t CO <sub>2</sub> eq
Limit on additional removal units a Party may issue due to cancellations (emissions) under Article 3, paragraph 3, of the Kyoto Protocol	165	Mt CO <sub>2</sub> eq

<sup>a</sup> The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for calculation of assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol.

Table 117  
**Monaco's emissions/removals of greenhouse gases in 2009 and 2010**

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2009 (final values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2012 submissions)</i>	<i>In 2010 (provisional values based on the 2012 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	90 939	90 939	87 792
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	NA	NA	NA
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	NA	NA	NA

*Abbreviations:* LULUCF = land use, land-use change and forestry, NA = not applicable.

## XXVI. Netherlands

54. The Netherlands met all the eligibility criteria and became eligible to participate in all the flexibility mechanisms under the Kyoto Protocol on 21 April 2008.

55. Tables 118–122 provide detailed information on the Netherlands's initial accounting parameters under the Kyoto Protocol, its GHG emissions and removals, the holdings of Kyoto Protocol units by account type, and transactions of Kyoto Protocol units.

Table 118  
**Key initial accounting parameters under the Kyoto Protocol for the Netherlands (final values)**

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base year emissions <sup>a</sup>	213 034 498	t CO <sub>2</sub> eq
Quantified emission limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	94	per cent
Assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol for the first commitment period	1 001 262 141	t CO <sub>2</sub> eq
Commitment period reserve after the 2011 annual review	901 135 927	t CO <sub>2</sub> eq
Limitation on the additions to and subtractions from the Netherlands's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	183 333	t CO <sub>2</sub> eq
Limitation on the total of additions to the Netherlands's assigned amount resulting from eligible land use, land-use change and forestry project activities under Article 12 of the Kyoto Protocol	10 012 621	t CO <sub>2</sub> eq
Limit on additional removal units a Party may issue due to cancellations (emissions) under Article 3, paragraph 3, of the Kyoto Protocol	165	Mt CO <sub>2</sub> eq

<sup>a</sup> The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for calculation of assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol.

Table 119  
The Netherlands's emissions/removals of greenhouse gases in 2009 and 2010

Parameter	Emissions/removals of greenhouse gases (t CO <sub>2</sub> eq)		
	In 2009 (final values based on the 2011 submissions)	In 2009 (provisional values based on the 2012 submissions)	In 2010 (provisional values based on the 2012 submissions)
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	199 072 573	198 931 065	210 053 016
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	296 119	345 376	362 353
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	NA	NA	NA

Abbreviations: LULUCF = land use, land-use change and forestry, NA = not applicable.

Table 120  
The Netherlands's total quantities of Kyoto Protocol units by account type at the end of 2010 (final values)

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding	626 814 684	2 602 173	NO	15 103 900	NO	NO
Entity holding	115 303 838	1 168 575	NO	5 730 632	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	500	NO	NO	1 020	NO	NO
Retirement	287 982 275	NO	NO	NO	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>1 030 101 297</b>	<b>3 770 748</b>	<b>NO</b>	<b>20 835 552</b>	<b>NO</b>	<b>NO</b>

Abbreviations: AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 121  
The Netherlands's total quantities of Kyoto Protocol units by account type at the end of 2011 (provisional values)

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding	533 219 656	4 866 337	NO	23 172 040	NO	NO
Entity holding	151 872 020	2 045 856	NO	18 375 603	NO	NO

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	3 979	NO	NO	61 174	NO	NO
Retirement	372 393 398	NO	NO	NO	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>1 057 489 053</b>	<b>6 912 193</b>	<b>NO</b>	<b>41 608 817</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 122

**The Netherlands's total transactions of Kyoto Protocol units in 2011 (provisional values)**

<i>Transaction type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
<i>Additions</i>						
Internal transactions		NO	NO			
External transactions	170 188 640	15 422 217	NO	86 068 263	NO	NO
<b>Total transactions</b>	<b>170 188 640</b>	<b>15 422 217</b>	<b>NO</b>	<b>86 068 263</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	3 479	NO	NO	60 154	NO	NO
External transactions	142 800 884	12 280 772	NO	65 294 998	NO	NO
<b>Total transactions</b>	<b>142 804 363</b>	<b>12 280 772</b>	<b>NO</b>	<b>65 355 152</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

## XXVII. New Zealand

56. New Zealand met all the eligibility criteria and became eligible to participate in all the flexibility mechanisms under the Kyoto Protocol on 31 December 2007.

57. Tables 123–127 provide detailed information on New Zealand's initial accounting parameters under the Kyoto Protocol, its GHG emissions and removals, the holdings of Kyoto Protocol units by account type, and transactions of Kyoto Protocol units.

Table 123

**Key initial accounting parameters under the Kyoto Protocol for New Zealand (final values)**

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base year emissions <sup>a</sup>	61 912 947	t CO <sub>2</sub> eq

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Quantified emission limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	100	per cent
Assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol for the first commitment period	309 564 733	t CO <sub>2</sub> eq
Commitment period reserve after the 2011 annual review	278 608 260	t CO <sub>2</sub> eq
Limitation on the additions to and subtractions from New Zealand's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	3 666 667	t CO <sub>2</sub> eq
Limitation on the total of additions to New Zealand's assigned amount resulting from eligible land use, land-use change and forestry project activities under Article 12 of the Kyoto Protocol	3 095 647	t CO <sub>2</sub> eq
Limit on additional removal units a Party may issue due to cancellations (emissions) under Article 3, paragraph 3, of the Kyoto Protocol	165	Mt CO <sub>2</sub> eq

<sup>a</sup> The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for calculation of assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol.

Table 124

**New Zealand's emissions/removals of greenhouse gases in 2009 and 2010**

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2009 (final values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2012 submissions)</i>	<i>In 2010 (provisional values based on the 2012 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	70 563 804	71 482 868	71 657 158
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	-17 268 419	-17 835 269	-18 307 068
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	NA	NA	NA

*Abbreviations:* LULUCF = land use, land-use change and forestry, NA = not applicable.

Table 125

**New Zealand's total quantities of Kyoto Protocol units by account type at the end of 2010 (final values)**

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Party holding	307 098 445	NO	NO	NO	NO	NO
Entity holding	158 292	20 328	NO	530 220	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	2 689	NO	NO	800	NO	NO
Retirement	NO	NO	NO	NO	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>307 259 426</b>	<b>20 328</b>	<b>NO</b>	<b>531 020</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 126  
**New Zealand's total quantities of Kyoto Protocol units by account type at the end of 2011 (provisional values)**

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Party holding	305 642 697	NO	NO	133 150	NO	NO
Entity holding	594 582	530 346	3 900 000	2 801 704	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	11 206	NO	NO	800	NO	NO
Retirement	NO	NO	NO	NO	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>306 248 485</b>	<b>530 346</b>	<b>3 900 000</b>	<b>2 935 654</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 127  
**New Zealand's total transactions of Kyoto Protocol units in 2011 (provisional values)**

<i>Transaction type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
<i>Additions</i>						
Internal transactions		1 022 471	NO			
External transactions	18 530	709 460	3 900 000	4 396 232	NO	NO
<b>Total transactions</b>	<b>18 530</b>	<b>1 731 931</b>	<b>3 900 000</b>	<b>4 396 232</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	1 030 988	NO	NO	NO	NO	NO
External transactions	7 000	1 221 913	NO	1 991 598	NO	NO
<b>Total transactions</b>	<b>1 037 988</b>	<b>1 221 913</b>	<b>NO</b>	<b>1 991 598</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

## XXVIII. Norway

58. Norway met all the eligibility criteria and became eligible to participate in all the flexibility mechanisms under the Kyoto Protocol on 22 April 2008.

59. Tables 128–132 provide detailed information on Norway's initial accounting parameters under the Kyoto Protocol, its GHG emissions and removals, the holdings of Kyoto Protocol units by account type, and transactions of Kyoto Protocol units.

Table 128

### Key initial accounting parameters under the Kyoto Protocol for Norway (final values)

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base year emissions <sup>a</sup>	49 619 168	t CO <sub>2</sub> eq
Quantified emission limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	101	per cent
Assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol for the first commitment period	250 576 797	t CO <sub>2</sub> eq
Commitment period reserve after the 2011 annual review	225 519 117	t CO <sub>2</sub> eq
Limitation on the additions to and subtractions from Norway's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	7 333 333	t CO <sub>2</sub> eq
Limitation on the total of additions to Norway's assigned amount resulting from eligible land use, land-use change and forestry project activities under Article 12 of the Kyoto Protocol	2 505 768	t CO <sub>2</sub> eq
Limit on additional removal units a Party may issue due to cancellations (emissions) under Article 3, paragraph 3, of the Kyoto Protocol	165	Mt CO <sub>2</sub> eq

<sup>a</sup> The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for calculation of assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol.

Table 129

### Norway's emissions/removals of greenhouse gases in 2009 and 2010

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2009 (final values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2012 submissions)</i>	<i>In 2010 (provisional values based on the 2012 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	51 292 431	51 470 472	53 895 679
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	382 533	368 640	935 493
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-27 853 130	-29 924 196	-36 518 743

*Abbreviation:* LULUCF = land use, land-use change and forestry.



Table 130  
**Norway's total quantities of Kyoto Protocol units by account type at the end of 2010**  
**(final values)**

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Party holding	209 331 913	87 663	NO	591 133	NO	NO
Entity holding	16 700 320	135 632	NO	4 135 693	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	24 929	NO	NO	4 715	NO	NO
Retirement	37 816 076	205 382	NO	537 881	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>263 873 238</b>	<b>428 677</b>	<b>NO</b>	<b>5 269 422</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 131  
**Norway's total quantities of Kyoto Protocol units by account type at the end of 2011**  
**(provisional values)**

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Party holding	197 478 782	95 123	NO	2 284 852	NO	NO
Entity holding	18 785 282	309 303	NO	2 942 117	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	32 966	NO	NO	60 305	NO	NO
Retirement	53 778 590	343 518	NO	3 770 523	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>270 075 620</b>	<b>747 944</b>	<b>NO</b>	<b>9 057 797</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 132  
Norway's total transactions of Kyoto Protocol units in 2011 (provisional values)

<i>Transaction type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
<i>Additions</i>						
Internal transactions		NO	NO			
External transactions	15 847 299	407 905	NO	5 824 170	NO	NO
<b>Total transactions</b>	<b>15 847 299</b>	<b>407 905</b>	<b>NO</b>	<b>5 824 170</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	8 037	NO	NO	55 590	NO	NO
External transactions	9 644 917	88 638	NO	2 035 795	NO	NO
<b>Total transactions</b>	<b>9 652 954</b>	<b>88 638</b>	<b>NO</b>	<b>2 091 385</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

## XXIX. Poland

60. Poland met all the eligibility criteria and became eligible to participate in all the flexibility mechanisms under the Kyoto Protocol on 29 April 2008.

61. Tables 133–137 provide detailed information on Poland's initial accounting parameters under the Kyoto Protocol, its GHG emissions and removals, the holdings of Kyoto Protocol units by account type, and transactions of Kyoto Protocol units.

Table 133  
Key initial accounting parameters under the Kyoto Protocol for Poland (final values)

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base year emissions <sup>a</sup>	563 442 774	t CO <sub>2</sub> eq
Quantified emission limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	94	per cent
Assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol for the first commitment period	2 648 181 038	t CO <sub>2</sub> eq
Commitment period reserve after the 2011 annual review	1 916 123 521	t CO <sub>2</sub> eq
Limitation on the additions to and subtractions from Poland's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	15 033 333	t CO <sub>2</sub> eq
Limitation on the total of additions to Poland's assigned amount resulting from eligible land use, land-use change and forestry project activities under Article 12 of the Kyoto Protocol	26 481 810	t CO <sub>2</sub> eq
Limit on additional removal units a Party may issue due to cancellations (emissions) under Article 3, paragraph 3, of the Kyoto Protocol	165	Mt CO <sub>2</sub> eq

<sup>a</sup> The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for calculation of assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol.

Table 134  
Poland's emissions/removals of greenhouse gases in 2009 and 2010

Parameter	Emissions/removals of greenhouse gases (t CO <sub>2</sub> eq)		
	In 2009 (final values based on the 2011 submissions)	In 2009 (provisional values based on the 2012 submissions)	In 2010 (provisional values based on the 2012 submissions)
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	383 224 704	381 769 667	400 865 394
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	-6 934 470	-9 433 873	-9 813 456
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-44 742 208	-42 570 428	-42 189 511

Abbreviation: LULUCF = land use, land-use change and forestry.

Table 135  
Poland's total quantities of Kyoto Protocol units by account type at the end of 2010 (final values)

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding	2 027 563 373	73 673	NO	500 000	NO	NO
Entity holding	188 178 126	1 943 728	NO	9 064 894	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	379 707 621	245 165	NO	14 927 693	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>2 595 449 120</b>	<b>2 262 566</b>	<b>NO</b>	<b>24 492 587</b>	<b>NO</b>	<b>NO</b>

Abbreviations: AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 136  
Poland's total quantities of Kyoto Protocol units by account type at the end of 2011 (provisional values)

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding	1 807 357 553	39 940	NO	622 258	NO	NO
Entity holding	180 897 200	4 413 536	NO	19 055 773	NO	NO

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	564 089 355	2 061 462	NO	28 839 820	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>2 552 344 108</b>	<b>6 514 938</b>	<b>NO</b>	<b>48 517 851</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 137

**Poland's total transactions of Kyoto Protocol units in 2011 (provisional values)**

<i>Transaction type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
<i>Additions</i>						
Internal transactions		3 940 154	NO			
External transactions	37 148 144	4 716 283	NO	24 982 121	NO	NO
<b>Total transactions</b>	<b>37 148 144</b>	<b>8 656 437</b>	<b>NO</b>	<b>24 982 121</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	3 940 154	NO	NO	NO	NO	NO
External transactions	76 313 002	4 404 065	NO	956 857	NO	NO
<b>Total transactions</b>	<b>80 253 156</b>	<b>4 404 065</b>	<b>NO</b>	<b>956 857</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

**XXX. Portugal**

62. Portugal met all the eligibility criteria and became eligible to participate in all the flexibility mechanisms under the Kyoto Protocol on 28 April 2008.

63. Tables 138–142 provide detailed information on Portugal's initial accounting parameters under the Kyoto Protocol, its GHG emissions and removals, the holdings of Kyoto Protocol units by account type, and transactions of Kyoto Protocol units.

Table 138

**Key initial accounting parameters under the Kyoto Protocol for Portugal (final values)**

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base year emissions <sup>a</sup>	60 147 642	t CO <sub>2</sub> eq

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Quantified emission limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	127	per cent
Assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol for the first commitment period	381 937 527	t CO <sub>2</sub> eq
Commitment period reserve after the 2011 annual review	343 743 774	t CO <sub>2</sub> eq
Limitation on the additions to and subtractions from Portugal's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	4 033 333	t CO <sub>2</sub> eq
Limitation on the total of additions to Portugal's assigned amount resulting from eligible land use, land-use change and forestry project activities under Article 12 of the Kyoto Protocol	3 819 375	t CO <sub>2</sub> eq
Limit on additional removal units a Party may issue due to cancellations (emissions) under Article 3, paragraph 3, of the Kyoto Protocol	165	Mt CO <sub>2</sub> eq

<sup>a</sup> The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for calculation of assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol.

Table 139

**Portugal's emissions/removals of greenhouse gases in 2009 and 2010**

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2009 (final values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2012 submissions)</i>	<i>In 2010 (provisional values based on the 2012 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	74 660 286	74 371 586	70 599 091
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	-1 312 651	-1 890 831	-1 949 805
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-9 996 846	-11 952 981	-9 988 136

*Abbreviation:* LULUCF = land use, land-use change and forestry.

Table 140

**Portugal's total quantities of Kyoto Protocol units by account type at the end of 2010 (final values)**

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Party holding	289 503 297	NO	NO	NO	NO	NO
Entity holding	27 578 188	5 000	NO	3 206 403	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	54 702 713	NO	NO	3 512 905	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>371 784 198</b>	<b>5 000</b>	<b>NO</b>	<b>6 719 308</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 141

**Portugal's total quantities of Kyoto Protocol units by account type at the end of 2011 (provisional values)**

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Party holding	255 539 763	NO	NO	NO	NO	NO
Entity holding	32 710 074	92 811	NO	4 623 936	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	77 268 429	319 988	NO	4 791 250	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>365 518 266</b>	<b>412 799</b>	<b>NO</b>	<b>9 415 186</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 142

**Portugal's total transactions of Kyoto Protocol units in 2011 (provisional values)**

<i>Transaction type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
<i>Additions</i>						
Internal transactions		NO	NO			
External transactions	5 540 053	600 714	NO	6 791 635	NO	NO
<b>Total transactions</b>	<b>5 540 053</b>	<b>600 714</b>	<b>NO</b>	<b>6 791 635</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	NO	NO	NO
External transactions	11 805 985	192 915	NO	4 095 757	NO	NO
<b>Total transactions</b>	<b>11 805 985</b>	<b>192 915</b>	<b>NO</b>	<b>4 095 757</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

## XXXI. Romania

64. Romania met all the eligibility criteria and became eligible to participate in all the flexibility mechanisms under the Kyoto Protocol on 18 September 2008. On 27 August 2011, the enforcement branch of the Compliance Committee suspended Romania's eligibility to participate in the mechanisms under Articles 6, 12 and 17 of the Kyoto Protocol. Romania's eligibility was reinstated on 13 July 2012.

65. Tables 143–147 provide detailed information on Romania's initial accounting parameters under the Kyoto Protocol, its GHG emissions and removals, the holdings of Kyoto Protocol units by account type, and transactions of Kyoto Protocol units.

Table 143

### Key initial accounting parameters under the Kyoto Protocol for Romania (final values)

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base year emissions <sup>a</sup>	278 225 022	t CO <sub>2</sub> eq
Quantified emission limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	92	per cent
Assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol for the first commitment period	1 279 835 099	t CO <sub>2</sub> eq
Commitment period reserve after the 2011 annual review	649 476 664	t CO <sub>2</sub> eq
Limitation on the additions to and subtractions from Romania's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	20 166 667	t CO <sub>2</sub> eq
Limitation on the total of additions to Romania's assigned amount resulting from eligible land use, land-use change and forestry project activities under Article 12 of the Kyoto Protocol	12 798 351	t CO <sub>2</sub> eq
Limit on additional removal units a Party may issue due to cancellations (emissions) under Article 3, paragraph 3, of the Kyoto Protocol	165	Mt CO <sub>2</sub> eq

<sup>a</sup> The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for calculation of assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol.

Table 144

### Romania's emissions/removals of greenhouse gases in 2009 and 2010

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2009 (final values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2012 submissions)</i>	<i>In 2010 (provisional values based on the 2012 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	129 895 333	125 263 619	123 001 260
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	-883 073	125 311	102 261

Parameter	Emissions/removals of greenhouse gases (t CO <sub>2</sub> eq)		
	In 2009 (final values based on the 2011 submissions)	In 2009 (provisional values based on the 2012 submissions)	In 2010 (provisional values based on the 2012 submissions)
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-22 985 791	-22 993 414	-22 468 156

Abbreviation: LULUCF = land use, land-use change and forestry.

Table 145  
**Romania's total quantities of Kyoto Protocol units by account type at the end of 2010 (final values)**

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding	1 058 353 551	95 977	NO	NO	NO	NO
Entity holding	50 206 314	269 132	NO	2 392 069	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	108 112 780	328 484	NO	4 293 732	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>1 216 672 645</b>	<b>693 593</b>	<b>NO</b>	<b>6 685 801</b>	<b>NO</b>	<b>NO</b>

Abbreviations: AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 146  
**Romania's total quantities of Kyoto Protocol units by account type at the end of 2011 (provisional values)**

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding	980 052 706	800 000	NO	NO	NO	NO
Entity holding	31 126 022	1 058 189	NO	2 598 505	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	147 124 110	4 479 948	NO	8 618 591	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO



<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>1 158 302 838</b>	<b>6 338 137</b>	<b>NO</b>	<b>11 217 096</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 147

**Romania's total transactions of Kyoto Protocol units in 2011 (provisional values)**

<i>Transaction type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
<i>Additions</i>						
Internal transactions		3 216 505	NO			
External transactions	6 730 203	5 729 857	NO	5 785 404	NO	NO
<b>Total transactions</b>	<b>6 730 203</b>	<b>8 946 362</b>	<b>NO</b>	<b>5 785 404</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	3 216 505	NO	NO	NO	NO	NO
External transactions	61 883 505	3 301 818	NO	1 254 109	NO	NO
<b>Total transactions</b>	<b>65 100 010</b>	<b>3 301 818</b>	<b>NO</b>	<b>1 254 109</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

**XXXII. Russian Federation**

66. The Russian Federation met all the eligibility criteria and became eligible to participate in all the flexibility mechanisms under the Kyoto Protocol on 20 June 2008.

67. Tables 148–152 provide detailed information on the Russian Federation's initial accounting parameters under the Kyoto Protocol, its GHG emissions and removals, the holdings of Kyoto Protocol units by account type, and transactions of Kyoto Protocol units.

Table 148

**Key initial accounting parameters under the Kyoto Protocol for the Russian Federation (final values)**

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base year emissions <sup>a</sup>	3 323 419 064	t CO <sub>2</sub> eq
Quantified emission limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	100	per cent
Assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol for the first commitment period	16 617 095 319	t CO <sub>2</sub> eq
Commitment period reserve after the 2011 annual review	10 636 771 969	t CO <sub>2</sub> eq
Limitation on the additions to and subtractions from the Russian Federation's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	605 000 000	t CO <sub>2</sub> eq

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Limitation on the total of additions to the Russian Federation's assigned amount resulting from eligible land use, land-use change and forestry project activities under Article 12 of the Kyoto Protocol	166 170 953	t CO <sub>2</sub> eq
Limit on additional removal units a Party may issue due to cancellations (emissions) under Article 3, paragraph 3, of the Kyoto Protocol	165	Mt CO <sub>2</sub> eq

<sup>a</sup> The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for calculation of assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol.

Table 149

**The Russian Federation's emissions/removals of greenhouse gases in 2009 and 2010**

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2009 (final values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2012 submissions)</i>	<i>In 2010 (provisional values based on the 2012 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	2 127 354 394	2 112 053 422	2 207 596 177
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	15 024 765	16 836 193	16 107 353
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-534 567 753	-538 900 598	-548 411 212

*Abbreviation:* LULUCF = land use, land-use change and forestry.

Table 150

**The Russian Federation's total quantities of Kyoto Protocol units by account type at the end of 2010 (final values)**

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Party holding	16 587 095 319	NO	NO	NO	NO	NO
Entity holding	25 793 601	NO	NO	NO	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	NO	NO	NO	NO	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
<b>Total</b>	<b>16 612 888 920</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 151

**The Russian Federation's total quantities of Kyoto Protocol units by account type at the end of 2011 (provisional values)**

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Party holding	16 497 081 029	NO	4 093 685	NO	NO	NO
Entity holding	65 426 860	4 302 755	NO	NO	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	26 607 307	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	NO	NO	NO	NO	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>16 589 115 196</b>	<b>4 302 755</b>	<b>4 093 685</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 152

**The Russian Federation's total transactions of Kyoto Protocol units in 2011 (provisional values)**

<i>Transaction type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
<i>Additions</i>						
Internal transactions		23 773 724	4 093 685			
External transactions	NO	NO	NO	NO	NO	NO
<b>Total transactions</b>	<b>NO</b>	<b>23 773 724</b>	<b>4 093 685</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	50 381 031	NO	NO	NO	NO	NO
External transactions	NO	19 470 969	NO	NO	NO	NO
<b>Total transactions</b>	<b>50 381 031</b>	<b>19 470 969</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

### XXXIII. Slovakia

68. Slovakia met all the eligibility criteria and became eligible to participate in all the flexibility mechanisms under the Kyoto Protocol on 4 February 2008.

69. Tables 153–157 provide detailed information on Slovakia's initial accounting parameters under the Kyoto Protocol, its GHG emissions and removals, the holdings of Kyoto Protocol units by account type, and transactions of Kyoto Protocol units.

Table 153

#### Key initial accounting parameters under the Kyoto Protocol for Slovakia (final values)

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base year emissions <sup>a</sup>	72 050 764	t CO <sub>2</sub> eq
Quantified emission limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	92	per cent
Assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol for the first commitment period	331 433 516	t CO <sub>2</sub> eq
Commitment period reserve after the 2011 annual review	217 195 645	t CO <sub>2</sub> eq
Limitation on the additions to and subtractions from Slovakia's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	9 166 667	t CO <sub>2</sub> eq
Limitation on the total of additions to Slovakia's assigned amount resulting from eligible land use, land-use change and forestry project activities under Article 12 of the Kyoto Protocol	3 314 335	t CO <sub>2</sub> eq
Limit on additional removal units a Party may issue due to cancellations (emissions) under Article 3, paragraph 3, of the Kyoto Protocol	165	Mt CO <sub>2</sub> eq

<sup>a</sup> The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for calculation of assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol.

Table 154

#### Slovakia's emissions/removals of greenhouse gases in 2009 and 2010

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2009 (final values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2012 submissions)</i>	<i>In 2010 (provisional values based on the 2012 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	43 439 129 <sup>a</sup>	44 191 069	45 981 866
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	-189 124	-187 081	-331 360

Parameter	Emissions/removals of greenhouse gases (t CO <sub>2</sub> eq)		
	In 2009 (final values based on the 2011 submissions)	In 2009 (provisional values based on the 2012 submissions)	In 2010 (provisional values based on the 2012 submissions)
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	NA	NA	NA

Abbreviations: LULUCF = land use, land-use change and forestry, NA = not applicable.

<sup>a</sup> This value includes adjustments recommended by the expert review team during the review of Slovakia's 2011 submission which the enforcement branch of the Compliance Committee decided to apply through its decision of 14 July 2012 (document CC-2012-1-6/Slovakia/EB).

Table 155  
Slovakia's total quantities of Kyoto Protocol units by account type at the end of 2010 (final values)

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding	218 043 715	NO	NO	NO	NO	NO
Entity holding	27 880 202	18 596	NO	1 114 039	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	43 587 588	NO	NO	3 344 328	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>289 511 505</b>	<b>18 596</b>	<b>NO</b>	<b>4 458 367</b>	<b>NO</b>	<b>NO</b>

Abbreviations: AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 156  
Slovakia's total quantities of Kyoto Protocol units by account type at the end of 2011 (provisional values)

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding	184 577 328	NO	NO	NO	NO	NO
Entity holding	28 781 180	32 697	NO	904 375	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	61 405 910	11 899	NO	7 707 408	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>274 764 418</b>	<b>44 596</b>	<b>NO</b>	<b>8 611 783</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 157

**Slovakia's total transactions of Kyoto Protocol units in 2011 (provisional values)**

<i>Transaction type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
<i>Additions</i>						
Internal transactions		NO	NO			
External transactions	12 208 450	412 000	NO	8 432 138	NO	NO
<b>Total transactions</b>	<b>12 208 450</b>	<b>412 000</b>	<b>NO</b>	<b>8 432 138</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	NO	NO	NO
External transactions	26 955 537	386 000	NO	4 278 722	NO	NO
<b>Total transactions</b>	<b>26 955 537</b>	<b>386 000</b>	<b>NO</b>	<b>4 278 722</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

**XXXIV. Slovenia**

70. Slovenia met all the eligibility criteria and became eligible to participate in all the flexibility mechanisms under the Kyoto Protocol on 22 April 2008.

71. Tables 158–162 provide detailed information on Slovenia's initial accounting parameters under the Kyoto Protocol, its GHG emissions and removals, the holdings of Kyoto Protocol units by account type, and transactions of Kyoto Protocol units.

Table 158

**Key initial accounting parameters under the Kyoto Protocol for Slovenia (final values)**

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base year emissions <sup>d</sup>	20 354 042	t CO <sub>2</sub> eq
Quantified emission limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	92	per cent
Assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol for the first commitment period	93 628 593	t CO <sub>2</sub> eq
Commitment period reserve after the 2011 annual review	84 265 734	t CO <sub>2</sub> eq
Limitation on the additions to and subtractions from Slovenia's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	6 600 000	t CO <sub>2</sub> eq

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Limitation on the total of additions to Slovenia's assigned amount resulting from eligible land use, land-use change and forestry project activities under Article 12 of the Kyoto Protocol	936 286	t CO <sub>2</sub> eq
Limit on additional removal units a Party may issue due to cancellations (emissions) under Article 3, paragraph 3, of the Kyoto Protocol	165	Mt CO <sub>2</sub> eq

<sup>a</sup> The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for calculation of assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol.

Table 159

**Slovenia's emissions/removals of greenhouse gases in 2009 and 2010**

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2009 (final values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2012 submissions)</i>	<i>In 2010 (provisional values based on the 2012 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	19 435 745	19 469 248	19 522 127
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	331 431	316 707	359 429
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-10 292 646	-10 305 137	-10 307 986

*Abbreviation:* LULUCF = land use, land-use change and forestry.

Table 160

**Slovenia's total quantities of Kyoto Protocol units by account type at the end of 2010 (final values)**

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Party holding	68 978 470	NO	NO	NO	NO	NO
Entity holding	7 428 213	127 005	NO	147 048	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	15 595 572	169 605	NO	1 165 067	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
<b>Total</b>	<b>92 002 255</b>	<b>296 610</b>	<b>NO</b>	<b>1 312 115</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 161

**Slovenia's total quantities of Kyoto Protocol units by account type at the end of 2011 (provisional values)**

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Party holding	60 769 496	NO	NO	NO	NO	NO
Entity holding	7 886 543	372 163	NO	175 237	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	23 221 951	548 673	NO	1 286 367	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>91 877 990</b>	<b>920 836</b>	<b>NO</b>	<b>1 461 604</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 162

**Slovenia's total transactions of Kyoto Protocol units in 2011 (provisional values)**

<i>Transaction type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
<i>Additions</i>						
Internal transactions		NO	NO			
External transactions	1 155 971	873 336	NO	966 097	NO	NO
<b>Total transactions</b>	<b>1 155 971</b>	<b>873 336</b>	<b>NO</b>	<b>966 097</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	NO	NO	NO
External transactions	1 280 236	249 110	NO	816 608	NO	NO
<b>Total transactions</b>	<b>1 280 236</b>	<b>249 110</b>	<b>NO</b>	<b>816 608</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.



## XXXV. Spain

72. Spain met all the eligibility criteria and became eligible to participate in all the flexibility mechanisms under the Kyoto Protocol on 19 April 2008.

73. Tables 163–167 provide detailed information on Spain's initial accounting parameters under the Kyoto Protocol, its GHG emissions and removals, the holdings of Kyoto Protocol units by account type, and transactions of Kyoto Protocol units.

Table 163

### Key initial accounting parameters under the Kyoto Protocol for Spain (final values)

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base year emissions <sup>a</sup>	289 773 205	t CO <sub>2</sub> eq
Quantified emission limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	115	per cent
Assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol for the first commitment period	1 666 195 929	t CO <sub>2</sub> eq
Commitment period reserve after the 2011 annual review	1 499 576 336	t CO <sub>2</sub> eq
Limitation on the additions to and subtractions from Spain's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	12 283 333	t CO <sub>2</sub> eq
Limitation on the total of additions to Spain's assigned amount resulting from eligible land use, land-use change and forestry project activities under Article 12 of the Kyoto Protocol	16 661 959	t CO <sub>2</sub> eq
Limit on additional removal units a Party may issue due to cancellations (emissions) under Article 3, paragraph 3, of the Kyoto Protocol	165	Mt CO <sub>2</sub> eq

<sup>a</sup> The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for calculation of assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol.

Table 164

### Spain's emissions/removals of greenhouse gases in 2009 and 2010

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2009 (final values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2012 submissions)</i>	<i>In 2010 (provisional values based on the 2012 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	369 490 249	366 266 171	355 897 710
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	-6 405 611	-6 378 804	-6 379 211
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-21 563 810	-21 048 078	-21 505 856

*Abbreviation:* LULUCF = land use, land-use change and forestry.

Table 165  
**Spain's total quantities of Kyoto Protocol units by account type at the end of 2010**  
**(final values)**

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Party holding	1 242 157 685	108 989	NO	3 006 333	NO	NO
Entity holding	119 143 623	1 742 544	NO	13 561 393	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	714	11	NO	NO	NO	NO
Retirement	274 433 603	44 240	NO	25 886 418	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>1 635 735 625</b>	<b>1 895 784</b>	<b>NO</b>	<b>42 454 144</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 166  
**Spain's total quantities of Kyoto Protocol units by account type at the end of 2011**  
**(provisional values)**

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Party holding	1 110 942 733	207 575	NO	5 771 126	NO	NO
Entity holding	158 087 693	8 996 192	NO	27 447 064	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	722	11	NO	NO	NO	NO
Retirement	380 311 687	3 616 781	NO	38 060 034	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>1 649 342 835</b>	<b>12 820 559</b>	<b>NO</b>	<b>71 278 224</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 167  
Spain's total transactions of Kyoto Protocol units in 2011 (provisional values)

<i>Transaction type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
<i>Additions</i>						
Internal transactions		223 251	NO			
External transactions	56 551 695	14 789 438	NO	49 727 917	NO	NO
<b>Total transactions</b>	<b>56 551 695</b>	<b>15 012 689</b>	<b>NO</b>	<b>49 727 917</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	223 259	NO	NO	NO	NO	NO
External transactions	42 721 234	4 087 914	NO	20 903 837	NO	NO
<b>Total transactions</b>	<b>42 944 493</b>	<b>4 087 914</b>	<b>NO</b>	<b>20 903 837</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

## XXXVI. Sweden

74. Sweden met all the eligibility criteria and became eligible to participate in all the flexibility mechanisms under the Kyoto Protocol on 19 April 2008.

75. Tables 168–172 provide detailed information on Sweden's initial accounting parameters under the Kyoto Protocol, its GHG emissions and removals, the holdings of Kyoto Protocol units by account type, and transactions of Kyoto Protocol units.

Table 168  
Key initial accounting parameters under the Kyoto Protocol for Sweden (final values)

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base year emissions <sup>a</sup>	72 151 646	t CO <sub>2</sub> eq
Quantified emission limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	104	per cent
Assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol for the first commitment period	375 188 561	t CO <sub>2</sub> eq
Commitment period reserve after the 2011 annual review	300 344 090	t CO <sub>2</sub> eq
Limitation on the additions to and subtractions from Sweden's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	10 633 333	t CO <sub>2</sub> eq
Limitation on the total of additions to Sweden's assigned amount resulting from eligible land use, land-use change and forestry project activities under Article 12 of the Kyoto Protocol	3 751 886	t CO <sub>2</sub> eq
Limit on additional removal units a Party may issue due to cancellations (emissions) under Article 3, paragraph 3, of the Kyoto Protocol	165	Mt CO <sub>2</sub> eq

<sup>a</sup> The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for calculation of assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol.

Table 169  
Sweden's emissions/removals of greenhouse gases in 2009 and 2010

Parameter	Emissions/removals of greenhouse gases (t CO <sub>2</sub> eq)		
	In 2009 (final values based on the 2011 submissions)	In 2009 (provisional values based on the 2012 submissions)	In 2010 (provisional values based on the 2012 submissions)
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	60 068 818	59 709 911	66 271 363
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	2 540 911	2 237 379	1 969 775
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-44 526 702	-38 611 435	-36 927 189

Abbreviation: LULUCF = land use, land-use change and forestry.

Table 170  
Sweden's total quantities of Kyoto Protocol units by account type at the end of 2010 (final values)

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding	309 088 882	NO	NO	NO	NO	NO
Entity holding	24 315 524	145 848	NO	1 551 064	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	17 292	NO	NO	238 269	NO	NO
Retirement	36 592 417	NO	NO	1 021 959	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>370 014 115</b>	<b>145 848</b>	<b>NO</b>	<b>2 811 292</b>	<b>NO</b>	<b>NO</b>

Abbreviations: AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 171  
Sweden's total quantities of Kyoto Protocol units by account type at the end of 2011 (provisional values)

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding	286 481 641	NO	NO	NO	NO	NO
Entity holding	21 598 283	1 165 527	NO	3 642 178	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	18 621	NO	NO	405 587	NO	NO
Retirement	58 438 679	476	NO	1 813 123	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>366 537 224</b>	<b>1 166 003</b>	<b>NO</b>	<b>5 860 888</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 172  
**Sweden's total transactions of Kyoto Protocol units in 2011 (provisional values)**

<i>Transaction type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
<i>Additions</i>						
Internal transactions		NO	NO			
External transactions	5 843 569	1 489 433	NO	13 028 604	NO	NO
<b>Total transactions</b>	<b>5 843 569</b>	<b>1 489 433</b>	<b>NO</b>	<b>13 028 604</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	1 329	NO	NO	167 318	NO	NO
External transactions	9 320 460	469 278	NO	9 979 008	NO	NO
<b>Total transactions</b>	<b>9 321 789</b>	<b>469 278</b>	<b>NO</b>	<b>10 146 326</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

## XXXVII. Switzerland

76. Switzerland met all the eligibility criteria and became eligible to participate in all the flexibility mechanisms under the Kyoto Protocol on 10 March 2008.

77. Tables 173–177 provide detailed information on Switzerland's initial accounting parameters under the Kyoto Protocol, its GHG emissions and removals, the holdings of Kyoto Protocol units by account type, and transactions of Kyoto Protocol units.

Table 173  
**Key initial accounting parameters under the Kyoto Protocol for Switzerland (final values)**

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base year emissions <sup>a</sup>	52 790 957	t CO <sub>2</sub> eq
Quantified emission limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	92	per cent

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol for the first commitment period	242 838 402	t CO <sub>2</sub> eq
Commitment period reserve after the 2011 annual review	218 554 562	t CO <sub>2</sub> eq
Limitation on the additions to and subtractions from Switzerland's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	9 166 667	t CO <sub>2</sub> eq
Limitation on the total of additions to Switzerland's assigned amount resulting from eligible land use, land-use change and forestry project activities under Article 12 of the Kyoto Protocol	2 428 384	t CO <sub>2</sub> eq
Limit on additional removal units a Party may issue due to cancellations (emissions) under Article 3, paragraph 3, of the Kyoto Protocol	165	Mt CO <sub>2</sub> eq

<sup>a</sup> The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for calculation of assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol.

Table 174

**Switzerland's emissions/removals of greenhouse gases in 2009 and 2010**

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2009 (final values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2012 submissions)</i>	<i>In 2010 (provisional values based on the 2012 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	51 950 942	52 435 351	54 220 081
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	241 373	220 606	215 415
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-1 152 820	-1 122 656	-850 384

*Abbreviation:* LULUCF = land use, land-use change and forestry.

Table 175

**Switzerland's total quantities of Kyoto Protocol units by account type at the end of 2010 (final values)**

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Party holding	232 923 177	NO	NO	3 692	NO	NO
Entity holding	80 041 869	5 273 555	NO	11 828 733	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	12	NO	NO	455 997	NO	NO
Retirement	NO	NO	NO	NO	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>312 965 058</b>	<b>5 273 555</b>	<b>NO</b>	<b>12 288 422</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 176  
**Switzerland's total quantities of Kyoto Protocol units by account type at the end of 2011 (provisional values)**

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Party holding	229 124 568	NO	889 349	28 740	NO	NO
Entity holding	61 584 711	7 637 735	NO	21 331 575	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	172 587	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	20	NO	NO	578 809	NO	NO
Retirement	NO	NO	NO	NO	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>290 881 886</b>	<b>7 637 735</b>	<b>889 349</b>	<b>21 939 124</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 177  
**Switzerland's total transactions of Kyoto Protocol units in 2011 (provisional values)**

<i>Transaction type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
<i>Additions</i>						
Internal transactions		NO	889 349			
External transactions	28 605 616	48 645 038	NO	87 585 470	NO	NO
<b>Total transactions</b>	<b>28 605 616</b>	<b>48 645 038</b>	<b>889 349</b>	<b>87 585 470</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	172 595	NO	NO	122 812	NO	NO
External transactions	50 688 788	46 280 858	NO	77 934 768	NO	NO
<b>Total transactions</b>	<b>50 861 383</b>	<b>46 280 858</b>	<b>NO</b>	<b>78 057 580</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

## XXXVIII. Ukraine

78. Ukraine met all the eligibility criteria and became eligible to participate in all the flexibility mechanisms under the Kyoto Protocol on 29 April 2008. On 12 October 2011, the enforcement branch of the Compliance Committee suspended Ukraine's eligibility to participate in the mechanisms under Articles 6, 12 and 17 of the Kyoto Protocol. Ukraine's eligibility was reinstated on 9 March 2012.

79. Tables 178–182 provide detailed information on Ukraine's initial accounting parameters under the Kyoto Protocol, its GHG emissions and removals, the holdings of Kyoto Protocol units by account type, and transactions of Kyoto Protocol units.

Table 178

### Key initial accounting parameters under the Kyoto Protocol for Ukraine (final values)

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base year emissions <sup>a</sup>	920 836 933	t CO <sub>2</sub> eq
Quantified emission limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	100	per cent
Assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol for the first commitment period	4 604 184 663	t CO <sub>2</sub> eq
Commitment period reserve after the 2011 annual review	1 870 598 400	t CO <sub>2</sub> eq
Limitation on the additions to and subtractions from Ukraine's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	20 350 000	t CO <sub>2</sub> eq
Limitation on the total of additions to Ukraine's assigned amount resulting from eligible land use, land-use change and forestry project activities under Article 12 of the Kyoto Protocol	46 041 847	t CO <sub>2</sub> eq
Limit on additional removal units a Party may issue due to cancellations (emissions) under Article 3, paragraph 3, of the Kyoto Protocol	165	Mt CO <sub>2</sub> eq

<sup>a</sup> The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for calculation of assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol.

Table 179

### Ukraine's emissions/removals of greenhouse gases in 2009 and 2010

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2009 (final values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2012 submissions)</i>	<i>In 2010 (provisional values based on the 2012 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	374 119 680	365 275 833	383 181 582
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	3 501 951	-453 416	-505 304
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-55 158 759	-58 197 855	-55 816 816

*Abbreviation:* LULUCF = land use, land-use change and forestry.



Table 180  
**Ukraine's total quantities of Kyoto Protocol units by account type at the end of 2010**  
**(final values)**

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Party holding	4 513 865 076	NO	NO	NO	NO	NO
Entity holding	NO	NO	NO	NO	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	NO	NO	NO	NO	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>4 513 865 076</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 181  
**Ukraine's total quantities of Kyoto Protocol units by account type at the end of 2011**  
**(provisional values)**

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Party holding	4 445 002 700	NO	NO	NO	NO	NO
Entity holding	NO	NO	NO	NO	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	NO	NO	NO	NO	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>4 445 002 700</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 182  
Ukraine's total transactions of Kyoto Protocol units in 2011 (provisional values)

<i>Transaction type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
<i>Additions</i>						
Internal transactions		48 332 099	NO			
External transactions	NO	NO	NO	NO	NO	NO
<b>Total transactions</b>	<b>NO</b>	<b>48 332 099</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	48 332 099	NO	NO	NO	NO	NO
External transactions	20 530 277	48 332 099	NO	NO	NO	NO
<b>Total transactions</b>	<b>68 862 376</b>	<b>48 332 099</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

### XXXIX. United Kingdom of Great Britain and Northern Ireland

80. The United Kingdom of Great Britain and Northern Ireland met all the eligibility criteria and became eligible to participate in all the flexibility mechanisms under the Kyoto Protocol on 11 April 2008.

81. Tables 183–187 provide detailed information on the United Kingdom's initial accounting parameters under the Kyoto Protocol, its GHG emissions and removals, the holdings of Kyoto Protocol units by account type, and transactions of Kyoto Protocol units.

Table 183  
Key initial accounting parameters under the Kyoto Protocol for the United Kingdom (final values)

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base year emissions <sup>a</sup>	779 904 144	t CO <sub>2</sub> eq
Quantified emission limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	87.5	per cent
Assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol for the first commitment period	3 412 080 630	t CO <sub>2</sub> eq
Commitment period reserve after the 2011 annual review	3 070 872 567	t CO <sub>2</sub> eq
Limitation on the additions to and subtractions from the United Kingdom's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	6 783 333	t CO <sub>2</sub> eq
Limitation on the total of additions to the United Kingdom's assigned amount resulting from eligible land use, land-use change and forestry project activities under Article 12 of the Kyoto Protocol	34 120 806	t CO <sub>2</sub> eq
Limit on additional removal units a Party may issue due to cancellations (emissions) under Article 3, paragraph 3, of the Kyoto Protocol	165	Mt CO <sub>2</sub> eq

<sup>a</sup> The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for calculation of assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol.

Table 184  
**The United Kingdom's emissions/removals of greenhouse gases in 2009 and 2010**

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2009 (final values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2012 submissions)</i>	<i>In 2010 (provisional values based on the 2012 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	572 151 151	576 127 030	594 021 499
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	-2 174 938	-2 240 969	-2 222 128
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-9 797 919	-9 782 567	-7 490 599

*Abbreviation:* LULUCF = land use, land-use change and forestry.

Table 185  
**The United Kingdom's total quantities of Kyoto Protocol units by account type at the end of 2010 (final values)**

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Party holding	2 925 376 964	229 773	NO	4 840 567	NO	NO
Entity holding	385 416 709	3 738 543	NO	25 403 088	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	13 433	NO	NO	1 122 715	NO	NO
Retirement	260 854 974	48 338	NO	4 605 119	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>3 571 662 080</b>	<b>4 016 654</b>	<b>NO</b>	<b>35 971 489</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 186  
**The United Kingdom's total quantities of Kyoto Protocol units by account type at the end of 2011 (provisional values)**

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Party holding	2 444 524 126	NO	NO	NO	NO	NO
Entity holding	615 721 454	7 436 727	NO	57 074 256	NO	NO

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	36 229	NO	NO	1 537 646	NO	NO
Retirement	717 684 800	1 894 808	NO	15 639 559	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>3 777 966 609</b>	<b>9 331 535</b>	<b>NO</b>	<b>74 251 461</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.

Table 187

**The United Kingdom's total transactions of Kyoto Protocol units in 2011 (provisional values)**

<i>Transaction type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
<i>Additions</i>						
Internal transactions		NO	NO			
External transactions	516 792 658	69 087 318	3 900 000	313 026 233	NO	NO
<b>Total transactions</b>	<b>516 792 658</b>	<b>69 087 318</b>	<b>3 900 000</b>	<b>313 026 233</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	22 796	NO	NO	414 931	NO	NO
External transactions	310 488 129	63 772 437	3 900 000	274 746 261	NO	NO
<b>Total transactions</b>	<b>310 510 925</b>	<b>63 772 437</b>	<b>3 900 000</b>	<b>275 161 192</b>	<b>NO</b>	<b>NO</b>

*Abbreviations:* AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, NO = not occurring, RMUs = removal units, tCERs = temporary certified emission reductions.