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COMPLIANCE COMMITTEE

CC/2010/2  
9 November 2010

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

**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 5 November 2010. 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/2010/5 and its addendum, FCCC/KP/CMP/2010/5/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**

**Sixth session**

**Cancun, 29 November to 10 December 2010**

Item 10 (c) of the provisional agenda

**Review of implementation of commitments and of other provisions of the Kyoto Protocol**

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

**Annual compilation and accounting report for Annex B  
Parties under the Kyoto Protocol for 2010**

**Note by the secretariat\***

*Summary*

The Conference of the Parties serving as the meeting of the Parties to the Kyoto Protocol, by its 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. As at 18 October 2010, the initial review had been completed and questions of implementation, if any, resolved for 37 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 document provides final values for some of the key initial accounting parameters for these 37 Annex B Parties. It also contains an overview of provisional information as reported by Parties in 2010 on: (1) total greenhouse gas (GHG) emissions from the sources listed in Annex A to the Kyoto Protocol reported for 2008; (2) 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, for 2008; and (3) transactions and holdings of Kyoto Protocol units as at 31 December 2009.

The provisional information contained in this document is based on national GHG inventory submissions received as at 18 October 2010. Therefore, the latest information provided by Parties may not be reflected here. Final values will become available after completion of the annual review for 2010 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. The Conference of the Parties serving as the meeting of the Parties to the Kyoto Protocol (CMP), by its decision 15/CMP.1, requested 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) 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. Parties may also start reporting this information from the year following the submission of the information referred to in paragraph 6 of the annex to decision 13/CMP.1 on a voluntary basis. 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;

(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 CMP, by its 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, and to forward such reports to the CMP, the Compliance Committee and each Party concerned.

### B. Scope of the note

3. The secretariat has published two compilation and accounting reports: the first report,<sup>1</sup> containing information on initial accounting parameters for most Annex B Parties, was published in 2008; the second report,<sup>2</sup> containing information on the initial accounting parameters as well as information from annual GHG inventories submitted by Annex B Parties in 2009, was published in 2009.

4. As at 18 October 2010, the initial reviews had been completed for 37 Annex B Parties, that is, for all Annex B Parties except Belarus and Croatia. Belarus has submitted its initial report but the review of the report has not been initiated because the amendment to include Belarus in Annex B to the Kyoto Protocol (with a quantified emission reduction commitment of 92 per cent) has not yet entered into force. The expert review team (ERT) finalized the report of the review of the initial report of Croatia on 26 August 2009. The review report contained two questions of implementation relating to the assigned amount

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

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

and the commitment period reserve. Croatia has lodged an appeal<sup>3</sup> to the CMP against the final decision of the enforcement branch of the Compliance Committee of the Kyoto Protocol with respect to these two questions of implementation. The final values of the base year emissions level for Croatia will be available once the questions of implementation have been resolved.<sup>4</sup>

5. This annual compilation and accounting report for 2010 therefore covers only the 37 Annex B Parties for which initial reviews have been completed. In addition to the initial accounting parameters, the report provides an overview of provisional annual information as reported by Parties in 2010 on: (1) total GHG emissions from the sources listed in Annex A to the Kyoto Protocol reported for 2008; (2) GHG emissions and removals from LULUCF activities under Article 3, paragraph 3, and elected activities under Article 3, paragraph 4, for 2008; and (3) transactions and holdings of Kyoto Protocol units as at 31 December 2009. This report is interim in nature because some parts of the information presented are provisional. Final values will become available after completion of the annual review for 2010 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 37 Annex B Parties covered in this report to participate in 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 the addendum to this report.<sup>5</sup> Full annual submissions of GHG inventories and accounting information by 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 18 October 2010, the 37 Annex B Parties had submitted their annual GHG inventories with 2008 as the latest available inventory year. Thirty-four of these Parties also submitted their standard electronic format (SEF) tables in 2010 for the period from 1 January to 31 December 2009.

10. According to decision 22/CMP.1, the annual review for each Party under Article 8 of the Kyoto Protocol would be started in the year following the submission of its initial report. As noted in paragraph 4 above, 37 Annex B Parties have already submitted their

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<sup>3</sup> The text of the appeal by Croatia is available at [http://unfccc.int/documentation/documents/advanced\\_search/items/3594.php?rec=j&preref=600005722#beg](http://unfccc.int/documentation/documents/advanced_search/items/3594.php?rec=j&preref=600005722#beg).

<sup>4</sup> For latest available information relating to the questions of implementation with respect to Croatia, see [http://unfccc.int/kyoto\\_protocol/compliance/enforcement\\_branch/items/5456.php](http://unfccc.int/kyoto_protocol/compliance/enforcement_branch/items/5456.php).

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

<sup>6</sup> [http://unfccc.int/national\\_reports/annex\\_i\\_ghg\\_inventories/national\\_inventories\\_submissions/items/5270.php](http://unfccc.int/national_reports/annex_i_ghg_inventories/national_inventories_submissions/items/5270.php).

initial reports. The annual reviews of information reported under Article 7, paragraph 1, of the Kyoto Protocol by these Parties in 2010 have been initiated and are in progress.

## B. Status of eligibility

11. The status of eligibility of Annex B Parties to participate in the flexibility mechanisms under the Kyoto Protocol pursuant to decisions 3/CMP.1, 9/CMP.1, 11/CMP.1 and 15/CMP.1 as at 18 October 2010 is provided in table 1. All Annex B Parties except Bulgaria and Croatia 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 2010 has been completed and questions of implementation, if any, have been resolved.

Table 1  
**Status of eligibility of Annex B Parties to participate in the Kyoto Protocol mechanisms**

<i>Annex B Party</i>	<i>Status</i>	<i>Last change in eligibility status (Date and time)<sup>a</sup></i>
Australia	E	11 July 2009, 00:00:01
Bulgaria	e <sup>b</sup>	28 June 2010, 15:47:00
Canada	E	16 June 2008, 09:00:00
Croatia	S	27 December 2009, 00:00:01
Czech Republic	E	24 February 2008, 00:00:01
Estonia	E	15 April 2008, 00:00:01
European Union	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
Liechtenstein	E	22 April 2008, 00:00:01
Lithuania	E	22 April 2008, 00:00:01
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

<i>Annex B Party</i>	<i>Status</i>	<i>Last change in eligibility status (Date and time)<sup>a</sup></i>
Poland	E	29 April 2008, 00:00:01
Romania	E	18 September 2008, 00:00:01
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	29 April 2008, 00:00:01

*Abbreviations:* 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, e = not considered to meet the eligibility requirements mentioned above, but may issue and transfer emission reduction units for joint implementation projects pursuant to decision 9/CMP.1, annex, paragraph 24, S = not considered to meet one or more of the eligibility requirements under Articles 6, 12 and 17, therefore eligibility is suspended pursuant to decision 27/CMP.1, annex, section XV, paragraph 4.

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

<sup>b</sup> Bulgaria became eligible to participate in the flexibility mechanisms under the Kyoto Protocol on 25 November 2008, at 00:00:01; however, the enforcement branch suspended Bulgaria's eligibility pending the resolution of the question of implementation relating to its national system on 28 June 2010. Detailed information on the question of implementation with respect to Bulgaria is available at <[http://unfccc.int/kyoto\\_protocol/compliance/items/2875.php](http://unfccc.int/kyoto_protocol/compliance/items/2875.php)>.

### III. Main accounting parameters

#### A. Key initial accounting parameters

13. Table 2 shows definitions of the base year chosen for accounting of hydrofluorocarbons, perfluorocarbons and sulphur hexafluoride (fluorinated gases (F-gases)), 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.

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 Kyoto Protocol<sup>a</sup></i>		<i>Base year emissions<sup>b</sup></i> (t CO <sub>2</sub> eq)	<i>Emission reduction/limitation target, % of base year level</i>		<i>Assigned amount</i> (t CO <sub>2</sub> eq)
				<i>Annex B</i>	<i>Article 4<sup>c</sup></i>	
	<i>CO<sub>2</sub>, CH<sub>4</sub>, N<sub>2</sub>O</i>	<i>F-gases</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
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



Party	Base year defined under the Kyoto Protocol <sup>a</sup>		Base year emissions <sup>b</sup> (t CO <sub>2</sub> eq)	Emission reduction/limitation target, % of base year level		Assigned amount (t CO <sub>2</sub> eq)
	CO <sub>2</sub> , CH <sub>4</sub> , N <sub>2</sub> O	F-gases		Annex B	Article 4 <sup>c</sup>	
	Finland	1990		1995	71 003 509	
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	1985–87	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
Total <sup>d</sup>	–	–	12 575 114 106	–	–	60 284 929 112

*Abbreviation:* F-gases = fluorinated gases.

<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 assigned amount pursuant to Article 3, paragraphs 7 and 8. 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: 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.

<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**

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 the base year for F-gases, while the remaining Parties, excluding the European Union, used the same base year for all GHGs. The European Union has multiple base years (1990 or 1995) for F-gases, depending on the base year elected by the individual member States.

15. The total GHG emissions from 36 Annex B Parties<sup>7</sup> in the base year<sup>8</sup> used for calculation of assigned amount pursuant to Article 3, paragraphs 7 and 8, amounted to 12,575.1 million tonnes of carbon dioxide equivalent (Mt CO<sub>2</sub>), including total GHG emissions of 12,442.2 Mt CO<sub>2</sub> eq from the sources listed in Annex A to the Kyoto Protocol and emissions from LULUCF (net emissions and removals in the base year from the conversion of forests (deforestation)) of 132.9 Mt CO<sub>2</sub> eq.

**2. Assigned amount pursuant to Article 3, paragraphs 7 and 8**

16. The assigned amount pursuant to Article 3, paragraphs 7 and 8, for the first commitment period for a Party is calculated as the percentage inscribed for it in Annex B to the Kyoto Protocol of its aggregate anthropogenic CO<sub>2</sub> eq emissions of the GHGs from sources listed in Annex A to the Kyoto Protocol in the base year, multiplied by five. In accordance with Article 4, paragraph 1, the assigned amounts for 15 member States of the European Union have been calculated under the burden-sharing agreement of the European Union. Based on the information provided in the initial reports, as at 18 October 2010, 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>9</sup> for 36 Annex B Parties taken together is 60,284,929,112 t CO<sub>2</sub> eq. The total assigned amount for the European Union for the first commitment period is 19,621,381,509 t CO<sub>2</sub> eq.

**B. Greenhouse gas emissions and removals in 2008**

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

18. In 2010, the 37 Annex B Parties submitted their national GHG inventories, both the common reporting format tables and the national inventory reports, for the period from the base year to 2008. At the time when this report was prepared, review of the information on emissions from sources listed in Annex A to the Kyoto Protocol for 2008 by the ERTs was in progress.

19. In 2008, the total GHG emissions of Annex B Parties from sources listed in Annex A to the Kyoto Protocol amounted to 10,338.1 Mt CO<sub>2</sub> eq. This is 17.8 per cent lower than the base year level defined under the Kyoto Protocol (figure 1).

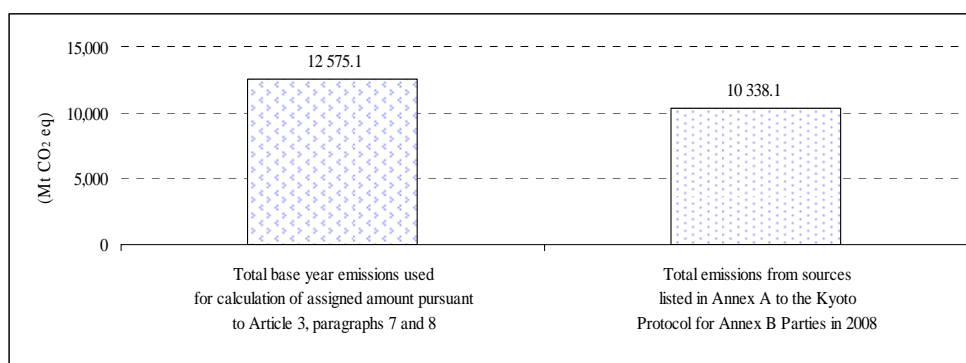
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<sup>7</sup> The total includes emissions of the European Union but does not include emissions of the individual member States in order to avoid double counting.

<sup>8</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.

<sup>9</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.

Figure 1  
**Total greenhouse gas emissions for Annex B Parties from sources listed in Annex A to the Kyoto Protocol in 2008**



*Note:* The figure for the total greenhouse gas emissions from sources listed in Annex A to the Kyoto Protocol for Annex B Parties in 2008 is presented here provisionally and may change depending on outcomes of the ongoing annual reviews.

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

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

Table 3

### Summary of methods chosen by Parties for 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	17
Cropland management	32	1	3
Grazing land management	34	1	1
Revegetation	33	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.

21. According to decision 15/CMP.1, Annex B Parties are required to report, as a part of 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, 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 18 October 2010, the 37 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 2008 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 2008**

<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)</i>
Article 3.3 activities		
Afforestation and reforestation	36	-95 129 932
Deforestation	36	127 459 815
Net emissions or removals		32 329 883
Article 3.4 activities		
Forest management	22	-906 418 976
Cropland management	4	-13 773 562
Grazing land management	2	-3 863
Revegetation	3	-1 312 692
Net emissions or removals		-921 509 093

22. As at 31 December 2009, Parties had not issued any RMUs for 2008 resulting from their activities under Article 3, paragraph 3, and elected activities under Article 3, paragraph 4, accounted in accordance with decisions 13/CMP.1 and 16/CMP.1. Such units will be issued following completion of the annual review for 2010 in accordance with Article 8, taking into account any adjustments applied in accordance with Article 5, paragraph 2, and resolution of any questions of implementation relating to the reported net removals of anthropogenic GHGs.

### C. Transactions and holdings of Kyoto Protocol units

23. This section provides a provisional overview<sup>10</sup> of additions to, and subtractions from, the assigned amount pursuant to Article 3, paragraphs 7 and 8, at the end of 2009 for the 34 Annex B Parties that reported their SEF tables with information on Kyoto Protocol units in 2010. Three Annex B Parties (Canada, Iceland and Monaco) did not need to report such information in 2010 because they had not transferred or acquired any Kyoto Protocol units prior to 1 January 2010.<sup>11</sup>

#### 1. Transactions of Kyoto Protocol units

24. 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 concerns the transaction of Kyoto Protocol units from one national registry to another.

25. Between 1 January and 31 December 2009, 19 Parties executed at least one form of internal transaction. The transactions were mainly related to: (1) issuance and/or conversion of Kyoto Protocol units in relation to joint implementation projects under Article 6; and (2) cancellation of Kyoto Protocol units, which were reported under the "other cancellation" account. Eight Parties have issued 5,995,089 ERUs into their registries by converting the

<sup>10</sup> At the time of preparation of this document, the annual review of information reported by Annex B Parties in 2010 was still in progress.

<sup>11</sup> Decision 14/CMP.1, annex, paragraph 3.

same amount of AAUs previously issued and held in its national registries. Eight Parties, which are member States of the European Union, transferred 33,688 AAUs in aggregate into the “other cancellation” accounts. Ten Parties, of which seven are member States of the European Union, transferred total quantities of 852,958 CERs into the “other cancellation” accounts. Finally, one Party, which is a member State of the European Union, transferred 66 ERUs into the “other cancellation” accounts.

26. Table 5 provides a summary of information on the total quantities of Kyoto Protocol units and number of Parties involved in external transactions that occurred between 1 January and 31 December 2009.

Table 5

**Total Kyoto Protocol units acquired or transferred through external transactions between 1 January and 31 December 2009<sup>a</sup>**

Transaction type		Kyoto Protocol units by external transaction type (Mt CO <sub>2</sub> eq)					
		AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Addition	Quantities acquired or forwarded <sup>b</sup>	3 454.0	9.3	0.0	624.2	0.0	0.0
	Parties involved	29	20	0	30	0	0
Subtraction	Quantities transferred	3 454.0	9.3	0.0	489.9	0.0	0.0
	Parties involved	29	18	0	27	0	0

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

<sup>a</sup> The figure does not include the European Union in order to avoid double counting.

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

## 2. Holdings of Kyoto Protocol units by holding account type as at 31 December 2009

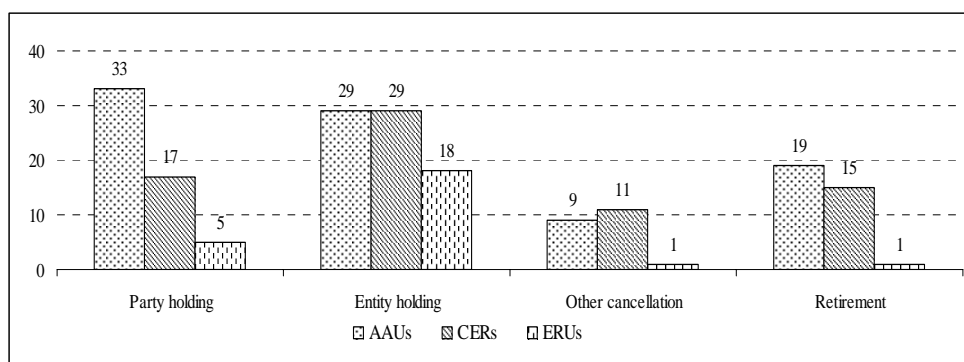
27. For the 33 Annex B Parties<sup>12</sup> that reported information on Kyoto Protocol units pursuant to decisions 13/CMP.1 and 15/CMP.1 by the end of 2009, there were 57,816.4 million Kyoto Protocol units, which included 57,467.3 million AAUs, 6.1 million ERUs and 343.1 million CERs, in the different holding accounts, including different cancellations and retirement accounts.

28. Figure 2 shows the number of Parties that hold Kyoto Protocol units in different holding accounts. A summary of the total quantities of the different Kyoto Protocol units, as at 31 December 2009, in different account types for 33 Annex B Parties is given in table 6. The breakdown of total Kyoto Protocol units by Party is provided in table 7.

29. Detailed information on the status of accounts for each Annex B Party can be found in document FCCC/KP/CMP/2010/5/Add.1.

<sup>12</sup> This figure does not include the European Union in order to avoid double counting.

Figure 2  
**Number of Annex B Parties holding Kyoto Protocol units by account type in 2009**



Abbreviations: AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction 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 2009**

Account type	Total quantities by unit type (Mt CO <sub>2</sub> eq)					
	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding	54 327.8	1.4	0	83.9	0	0
Entity holding	2 095.1	4.7	0	201.7	0	0
Article 3.3/3.4 net source cancellation	0	0	0	0	0	0
Non-compliance cancellation	0	0	0	0	0	0
Other cancellation	0.036	0.0001	0	1.5	0	0
Retirement	1 044.3	0.048	0	56.0	0	0
tCER replacement for expiry	0	0	0	0	0	0
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>57 467.3</b>	<b>6.1</b>	<b>0</b>	<b>343.1</b>	<b>0</b>	<b>0</b>

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

<sup>a</sup> "Total quantities" refers to the sum of the Kyoto Protocol units in each account type for 33 Annex B Parties.

Table 7  
**Total quantities<sup>a</sup> of Kyoto Protocol units for Annex B Parties as at 31 December 2009**

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	0	0	0	0
Bulgaria	610.0	0	0	0	0	0
Canada <sup>b</sup>	–	–	–	–	–	–
Czech Republic	815.2	0.10	0	5.9	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>ICERs</i>
Estonia	196.5	0.04	0	0.001	0	0
European Union	19 771.4	3.5	0	219.0	0	0
Austria	352.5	0.83	0	8.7	0	0
Belgium	662.4	0	0	4.3	0	0
Denmark	300.8	0.34	0	2.2	0	0
Finland	350.8	0.03	0	3.5	0	0
France	2 888.6	0.07	0	13.4	0	0
Germany	4 894.7	0.32	0	65.7	0	0
Greece	662.4	0	0	0.42	0	0
Ireland	314.9	0	0	7.2	0	0
Italy	2 426.4	0	0	27.7	0	0
Luxembourg	47.1	0	0	1.0	0	0
Netherlands	1 011.8	1.0	0	17.2	0	0
Portugal	378.5	0	0	4.3	0	0
Spain	1 654.2	0.13	0	36.5	0	0
Sweden	369.7	0.01	0	2.1	0	0
United Kingdom	3 456.6	0.76	0	24.7	0	0
Hungary	523.6	0	0	2.9	0	0
Iceland <sup>b</sup>	–	–	–	–	–	–
Japan	6 025.9	0.67	0	82.7	0	0
Latvia	81.8	0	0	0.35	0	0
Liechtenstein	1.1	0	0	0.03	0	0
Lithuania	221.1	0.11	0	0.62	0	0
Monaco <sup>b</sup>	–	–	–	–	–	–
New Zealand	308.4	0.05	0	0.01	0	0
Norway	251.6	0.02	0	1.3	0	0
Poland	2 623.4	0.001	0	11.0	0	0
Romania	1 243.8	0	0	1.3	0	0
Russian Federation	16 617.1	0	0	0	0	0
Slovakia	298.8	0	0	3.0	0	0
Slovenia	92.7	0	0	1.2	0	0
Switzerland	283.0	1.6	0	13.7	0	0
Ukraine	4 544.5	0	0	0	0	0

*Abbreviations:* AAUs = assigned amount units, ERUs = emission reduction units, RMUs = removal units, CERs = certified emission reductions, tCERs = temporary certified emission reductions, ICERs = long-term 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> Not required to submit the standard electronic format tables for the submission year 2010.



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**Conference of the Parties serving as the meeting  
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**Sixth session**

**Cancun, 29 November to 10 December 2010**

Item 10 (c) of the provisional agenda

**Review of implementation of commitments and of other provisions of the Kyoto Protocol**

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

**Annual compilation and accounting report for Annex B  
Parties under the Kyoto Protocol for 2010**

**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 (Annex B Parties) in the compilation and accounting database after completion of review pursuant to decision 22/CMP.1 and the resolution of questions of implementation, if any. It also contains provisional information on anthropogenic greenhouse gas emissions in 2008 from sources listed in Annex A to the Kyoto Protocol reported by Annex B Parties in 2010, and on transactions and holdings of Kyoto Protocol units for the first year (2008) and second year (2009) of the commitment period, wherein the data for 2008 have been reviewed by the expert review team and the data for 2009 are provisional. This provisional information will be finalized after completion of the 2010 annual review pursuant to decision 22/CMP.1 and the resolution of questions of implementation, if any.

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



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## I. Introduction

1. Document FCCC/KP/CMP/2010/5 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). It also provides provisional information on:

(a) Total greenhouse gas (GHG) emissions from the sources listed in Annex A to the Kyoto Protocol reported for 2008;

(b) GHG emissions and removals in 2008 from land use, land-use change and forestry activities under Article 3, paragraph 3, of the Kyoto Protocol, and from elected activities under Article 3, paragraph 4;

(c) Transactions and holdings of Kyoto Protocol units as at 31 December 2009.

2. This document contains more detail on the accounting parameters and information mentioned above for individual Annex B Parties.

3. The initial accounting parameters for Annex B Parties were established based on the information provided in their initial reports. In 2010, Annex B Parties submitted their annual information required under Article 7, paragraph 1, of the Kyoto Protocol, including additional reporting requirements defined in the annex to decision 15/CMP.1. The 2010 annual review pursuant to decision 22/CMP.1 has been initiated and was in progress at the time of preparation of this document. The annual information submitted in 2010 will be recorded in the compilation and accounting database after completion of the annual review and resolution of questions of implementation, if any. 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 requirements defined in decision 15/CMP.1.

## II. Australia

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

5. Tables 1–4 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 limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	108.0	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 2009 annual review	2 661 821 229	t CO <sub>2</sub> eq

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
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 2008 (provisional values)**

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol in 2008	549 540 291	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation) in 2008	32 702 750	t CO <sub>2</sub> eq
Afforestation and reforestation	-16 947 781	t CO <sub>2</sub> eq
Deforestation	49 650 531	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol in 2008	NA	t CO <sub>2</sub> eq
Forest management	NA	t CO <sub>2</sub> eq
Cropland management	NA	t CO <sub>2</sub> eq
Grazing land management	NA	t CO <sub>2</sub> eq
Revegetation	NA	t CO <sub>2</sub> eq

*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 2009 (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	2 957 579 143	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		
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	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>
certification report						
Total	2 957 579 143	NO	NO	NO	NO	NO

*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 transactions of Kyoto Protocol units in 2009 (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
Total transactions	NO	NO	NO	NO	NO	NO
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	NO	NO	NO
External transactions	NO	NO	NO	NO	NO	NO
Total transactions	NO	NO	NO	NO	NO	NO

*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**

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

7. Tables 5–9 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 5

**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 limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	87.0	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 2009 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

<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 6**  
**Austria's emissions/removals of greenhouse gases in 2008 (provisional values)**

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol in 2008	86 640 161	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation) in 2008	-1 307 067	t CO <sub>2</sub> eq
Afforestation and reforestation	-2 530 675	t CO <sub>2</sub> eq
Deforestation	1 223 608	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol in 2008	NA	t CO <sub>2</sub> eq
Forest management	NA	t CO <sub>2</sub> eq
Cropland management	NA	t CO <sub>2</sub> eq
Grazing land management	NA	t CO <sub>2</sub> eq
Revegetation	NA	t CO <sub>2</sub> eq

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

**Table 7**  
**Austria's total quantities of Kyoto Protocol units by account type at the end of 2008 (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	314 197 710	NO	NO	NO	NO	NO
Entity holding	20 628 626	NO	NO	3 234 495	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
Total	334 826 336	NO	NO	3 234 495	NO	NO

*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 8  
**Austria's total quantities of Kyoto Protocol units by account type at the end of 2009**  
**(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	282 462 370	NO	NO	NO	NO	NO
Entity holding	39 134 703	830 961	NO	7 627 744	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	30 930 995	NO	NO	1 067 616	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>352 528 068</b>	<b>830 961</b>	<b>NO</b>	<b>8 695 360</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 transactions of Kyoto Protocol units in 2009 (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	38 451 573	830 961	NO	7 219 496	NO	NO
<b>Total transactions</b>	<b>38 451 573</b>	<b>830 961</b>	<b>NO</b>	<b>7 219 496</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	NO	NO	NO
External transactions	20 749 841	NO	NO	1 758 631	NO	NO
<b>Total transactions</b>	<b>20 749 841</b>	<b>NO</b>	<b>NO</b>	<b>1 758 631</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

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

9. Tables 10–14 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 10  
**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 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 2009 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
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 11  
**Belgium's emissions/removals of greenhouse gases in 2008 (provisional values)**

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol in 2008	133 252 917	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation) in 2008	68 835	t CO <sub>2</sub> eq
Afforestation and reforestation	-399 349	t CO <sub>2</sub> eq
Deforestation	468 184	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol in 2008	NA	t CO <sub>2</sub> eq
Forest management	NA	t CO <sub>2</sub> eq
Cropland management	NA	t CO <sub>2</sub> eq
Grazing land management	NA	t CO <sub>2</sub> eq
Revegetation	NA	t CO <sub>2</sub> eq

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

Table 12  
**Belgium's total quantities of Kyoto Protocol units by account type at the end of 2008 (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	621 413 760	NO	NO	NO	NO	NO
Entity holding	38 178 720	NO	NO	1 184 339	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>659 592 480</b>	<b>NO</b>	<b>NO</b>	<b>1 184 339</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 13  
**Belgium's total quantities of Kyoto Protocol units by account type at the end of 2009 (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	563 832 417	NO	NO	NO	NO	NO
Entity holding	44 541 526	NO	NO	2 783 590	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	53 995 709	NO	NO	1 545 367	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>662 369 652</b>	<b>NO</b>	<b>NO</b>	<b>4 329 535</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 transactions of Kyoto Protocol units in 2009 (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	20 822 365	108 750	NO	4 125 556	NO	NO
<b>Total transactions</b>	<b>20 822 365</b>	<b>108 750</b>	<b>NO</b>	<b>4 125 556</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	NO	NO	NO	578	NO	NO
External transactions	18 045 193	108 750	NO	980 360	NO	NO
Total transactions	18 045 193	108 750	NO	980 938	NO	NO

*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

10. Bulgaria became eligible to participate in the flexibility mechanisms under the Kyoto Protocol on 25 November 2008. However, on 28 June 2010 the enforcement branch of the Compliance Committee suspended Bulgaria's eligibility pending the resolution of a question of implementation<sup>1</sup> relating to its national system.

11. Tables 15–19 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 15

### 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 limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	92.0	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 2009 annual review	353 544 400	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.

<sup>1</sup> For the latest available information relating to the questions of implementation with respect to Bulgaria, see [http://unfccc.int/kyoto\\_protocol/compliance/questions\\_of\\_implementation/items/5538.php](http://unfccc.int/kyoto_protocol/compliance/questions_of_implementation/items/5538.php).

Table 16  
**Bulgaria's emissions/removals of greenhouse gases in 2008 (provisional values)**

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol in 2008	74 317 814	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation) in 2008	-1 093 270	t CO <sub>2</sub> eq
Afforestation and reforestation	-1 366 318	t CO <sub>2</sub> eq
Deforestation	273 048	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol in 2008	NA	t CO <sub>2</sub> eq
Forest management	NA	t CO <sub>2</sub> eq
Cropland management	NA	t CO <sub>2</sub> eq
Grazing land management	NA	t CO <sub>2</sub> eq
Revegetation	NA	t CO <sub>2</sub> eq

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

Table 17  
**Bulgaria's total quantities of Kyoto Protocol units by account type at the end of 2008 (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	610 045 827	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
Total	610 045 827	NO	NO	NO	NO	NO

*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 18  
**Bulgaria's total quantities of Kyoto Protocol units by account type at the end of 2009 (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	610 045 827	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>
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
Total	610 045 827	NO	NO	NO	NO	NO

*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 transactions of Kyoto Protocol units in 2009 (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	45 001	NO	155 002	NO	NO
Total transactions	2	45 001	NO	155 002	NO	NO
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	NO	NO	NO
External transactions	2	45 001	NO	155 002	NO	NO
Total transactions	2	45 001	NO	155 002	NO	NO

*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**

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

13. Tables 20 and 21 provide detailed information on Canada'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 2009, Canada had neither transferred nor acquired any Kyoto Protocol units.

Table 20  
**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 limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	94.0	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 2009 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 21  
**Canada's emissions/removals of greenhouse gases in 2008 (provisional values)**

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol in 2008	734 566 320	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation) in 2008	13 905 766	t CO <sub>2</sub> eq
Afforestation and reforestation	-737 966	t CO <sub>2</sub> eq
Deforestation	14 643 732	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol in 2008	-11 503 326	t CO <sub>2</sub> eq
Forest management	NA	t CO <sub>2</sub> eq
Cropland management	-11 503 326	t CO <sub>2</sub> eq
Grazing land management	NA	t CO <sub>2</sub> eq
Revegetation	NA	t CO <sub>2</sub> eq

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

## VII. Croatia

14. Croatia submitted its initial report pursuant to decision 13/CMP.1 on 27 August 2008. The initial review by the expert review team for Croatia was completed and a review report,<sup>2</sup> containing questions of implementation relating to the calculation of Croatia's assigned amount pursuant to Article 3, paragraphs 7 and 8, and the commitment period

<sup>2</sup> FCCC/IRR/2008/HRV.

reserve was forwarded to the Compliance Committee on 28 August 2009. The enforcement branch of the Compliance Committee adopted a final decision on the two questions of implementation on 26 November 2009. The decision confirmed the branch's preliminary finding of non-compliance with respect to Croatia. Croatia has lodged an appeal<sup>3</sup> against the ruling of the Compliance Committee with the Conference of the Parties serving as the meeting of the Parties to the Kyoto Protocol (CMP). This issue<sup>4</sup> will be considered by the CMP at its sixth session.

## VIII. Czech Republic

15. 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.

16. Tables 22–26 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 22

### 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 limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	92.0	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 2009 annual review	732 161 864	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 23

### The Czech Republic's emissions/removals of greenhouse gases in 2008 (provisional values)

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol in 2008	141 433 650	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation) in	-111 786	t CO <sub>2</sub> eq

<sup>3</sup> The text of Croatia's appeal is available in document FCCC/KP/CMP/2010/2.

<sup>4</sup> For latest available information relating to the questions of implementation with respect to Croatia, see <[http://unfccc.int/kyoto\\_protocol/compliance/enforcement\\_branch/items/5456.php](http://unfccc.int/kyoto_protocol/compliance/enforcement_branch/items/5456.php)>.

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
2008		
Afforestation and reforestation	-271 989	t CO <sub>2</sub> eq
Deforestation	160 203	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol in 2008	-4 413 654	t CO <sub>2</sub> eq
Forest management	-4 413 654	t CO <sub>2</sub> eq
Cropland management	NA	t CO <sub>2</sub> eq
Grazing land management	NA	t CO <sub>2</sub> eq
Revegetation	NA	t CO <sub>2</sub> eq

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

Table 24  
**The Czech Republic's total quantities of Kyoto Protocol units by account type at the end of 2008 (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	807 595 046	NO	NO	NO	NO	NO
Entity holding	56 992 508	NO	NO	4 329 134	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
Total	864 587 554	NO	NO	4 329 134	NO	NO

*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  
**The Czech Republic's total quantities of Kyoto Protocol units by account type at the end of 2009 (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	745 963 013	NO	NO	1 845 344	NO	NO
Entity holding	69 199 182	98 637	NO	4 083 546	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	NO	NO	NO
Retirement	NO	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>
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>815 162 195</b>	<b>98 637</b>	<b>NO</b>	<b>5 928 890</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 26

**The Czech Republic's total transactions of Kyoto Protocol units in 2009 (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		330 302	NO			
External transactions	59 665 197	98 637	NO	7 722 832	NO	NO
<b>Total transactions</b>	<b>59 665 197</b>	<b>428 939</b>	<b>NO</b>	<b>7 722 832</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	330 302	NO	NO	NO	NO	NO
External transactions	108 760 254	330 302	NO	6 123 076	NO	NO
<b>Total transactions</b>	<b>109 090 556</b>	<b>330 302</b>	<b>NO</b>	<b>6 123 076</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

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

18. Tables 27–31 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 27

**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 limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	79.0	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 2009 annual review	249 155 060	t CO <sub>2</sub> eq



<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
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 28  
**Denmark's emissions/removals of greenhouse gases in 2008 (provisional values)**

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol in 2008	64 573 777	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation) in 2008	-33 921	t CO <sub>2</sub> eq
Afforestation and reforestation	-69 810	t CO <sub>2</sub> eq
Deforestation	35 889	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol in 2008	1 238 413	t CO <sub>2</sub> eq
Forest management	293 187	t CO <sub>2</sub> eq
Cropland management	863 546	t CO <sub>2</sub> eq
Grazing land management	81 680	t CO <sub>2</sub> eq
Revegetation	NA	t CO <sub>2</sub> eq

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

Table 29  
**Denmark's total quantities of Kyoto Protocol units by account type at the end of 2008 (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	253 327 684	NO	NO	148 482	NO	NO
Entity holding	40 892 515	NO	NO	3 318 774	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	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>
certification report						
Total	294 220 199	NO	NO	3 467 256	NO	NO

*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  
**Denmark's total quantities of Kyoto Protocol units by account type at the end of 2009 (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	229 445 248	331 424	NO	266 286	NO	NO
Entity holding	45 202 064	7 042	NO	1 534 083	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	10 394	NO	NO	NO	NO	NO
Retirement	26 171 207	NO	NO	375 230	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
Total	300 828 913	338 466	NO	2 175 599	NO	NO

*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 31  
**Denmark's total transactions of Kyoto Protocol units in 2009 (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	881 590 260	524 201	NO	32 057 896	NO	NO
Total transactions	881 590 260	524 201	NO	32 057 896	NO	NO
<i>Subtractions</i>						
Internal transactions	10 394	NO	NO	NO	NO	NO
External transactions	874 981 546	185 735	NO	33 349 553	NO	NO
Total transactions	874 991 940	185 735	NO	33 349 553	NO	NO

*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

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

20. Tables 32–36 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 32

### 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 limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	92.0	per cent
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 2009 annual review	107 253 951	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 33

### Estonia's emissions/removals of greenhouse gases in 2008 (provisional values)

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol in 2008	20 253 585	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation) in 2008	6 065 984	t CO <sub>2</sub> eq
Afforestation and reforestation	-533 521	t CO <sub>2</sub> eq
Deforestation	6 599 505	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol in 2008	NA	t CO <sub>2</sub> eq
Forest management	NA	t CO <sub>2</sub> eq
Cropland management	NA	t CO <sub>2</sub> eq
Grazing land management	NA	t CO <sub>2</sub> eq
Revegetation	NA	t CO <sub>2</sub> eq

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

Table 34  
**Estonia's total quantities of Kyoto Protocol units by account type at the end of 2008**  
**(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	184 384 380	NO	NO	NO	NO	NO
Entity holding	12 826 257	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>197 210 637</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 35  
**Estonia's total quantities of Kyoto Protocol units by account type at the end of 2009**  
**(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	172 427 649	NO	NO	NO	NO	NO
Entity holding	10 483 580	44 934	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	NO	NO	NO	NO	NO	NO
Retirement	13 552 575	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>196 463 804</b>	<b>44 934</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 36  
**Estonia's total transactions of Kyoto Protocol units in 2009 (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	309 318	44 934	NO	957	NO	NO
Total transactions	309 318	44 934	NO	957	NO	NO
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	NO	NO	NO
External transactions	1 056 151	NO	NO	NO	NO	NO
Total transactions	1 056 151	NO	NO	NO	NO	NO

*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

21. 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.

22. Tables 37–44 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>5</sup> do not include units held in the European Community registry, which are presented in separate tables.

Table 37  
**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 limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	92.0	per cent
Assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol for the first commitment period	NO	t CO <sub>2</sub> eq
Commitment period reserve after the 2009 annual review	NO	t CO <sub>2</sub> eq
Limitation on the additions to and subtractions from 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 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

<sup>5</sup> The 15 member States of the European Union are Austria, Belgium, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, Netherlands, Portugal, Spain, Sweden and United Kingdom of Great Britain and Northern Ireland.

<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		NO 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 38**  
**The European Union's emissions/removals of greenhouse gases in 2008 (provisional values)**

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol in 2008	3 970 472 699	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation) in 2008	2 177 993	t CO <sub>2</sub> eq
Afforestation and reforestation	-42 291 519	t CO <sub>2</sub> eq
Deforestation	44 469 512	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol in 2008	-264 580 902	t CO <sub>2</sub> eq
Forest management	-262 306 785	t CO <sub>2</sub> eq
Cropland management	-2 270 259	t CO <sub>2</sub> eq
Grazing land management	-3 858	t CO <sub>2</sub> eq
Revegetation	NA	t CO <sub>2</sub> eq

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

**Table 39**  
**Total quantities of Kyoto Protocol units held by the EU-15 at the end of 2008, by account type (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	18 147 376 437	NO	NO	8 692 470	NO	NO
Entity holding	1 521 358 730	NO	NO	130 272 542	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	2 717	NO	NO	489 061	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
Total	19 668 737 884	NO	NO	139 454 073	NO	NO

*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  
**Total quantities of Kyoto Protocol units held in the European Community registry at the end of 2008, by account type (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
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
Total	NO	NO	NO	NO	NO	NO

*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 41  
**Total quantities of Kyoto Protocol units held by the EU-15 at the end of 2009, 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	17 250 545 126	1 342 680	NO	65 712 151	NO	NO
Entity holding	1 612 005 848	2 142 286	NO	134 148 380	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	20 549	66	NO	1 181 198	NO	NO
Retirement	908 860 033	48 338	NO	17 935 064	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
Total	19 771 431 556	3 533 370	NO	218 976 793	NO	NO

*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 42  
**Total quantities of Kyoto Protocol units held in the European Community registry at the end of 2009, 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	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>	NO	NO	NO	NO	NO	NO

*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 43  
**Total transactions of Kyoto Protocol units carried out by EU-15 in 2009 (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		575 343	NO			
External transactions	204 461 841	3 634 423	NO	199 365 130	NO	NO
<b>Total transactions</b>	204 461 841	4 209 766	NO	199 365 130	NO	NO
<i>Subtractions</i>						
Internal transactions	593 175	66	NO	692 137	NO	NO
External transactions	101 192 826	736 131	NO	119 842 410	NO	NO
<b>Total transactions</b>	101 786 001	736 197	NO	120 534 547	NO	NO

*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  
**Total transactions of Kyoto Protocol units carried out by the European Community registry in 2009 (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



<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>						
Total transactions	NO	NO	NO	NO	NO	NO
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	NO	NO	NO
External transactions	NO	NO	NO	NO	NO	NO
Total transactions	NO	NO	NO	NO	NO	NO

*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

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

24. Tables 45–49 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 45

### 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 limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	100.0	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 2009 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 46

### Finland’s emissions/removals of greenhouse gases in 2008 (provisional values)

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol in 2008	70 281 510	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation) in	1 816 047	t CO <sub>2</sub> eq

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
2008		
Afforestation and reforestation	-1 077 083	t CO <sub>2</sub> eq
Deforestation	2 893 130	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol in 2008	-39 891 042	t CO <sub>2</sub> eq
Forest management	-39 891 042	t CO <sub>2</sub> eq
Cropland management	NA	t CO <sub>2</sub> eq
Grazing land management	NA	t CO <sub>2</sub> eq
Revegetation	NA	t CO <sub>2</sub> eq

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

Table 47  
**Finland's total quantities of Kyoto Protocol units by account type at the end of 2008 (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	318 858 851	NO	NO	51 768	NO	NO
Entity holding	33 914 666	NO	NO	1 789 331	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	27	NO	NO	2	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
Total	352 773 544	NO	NO	1 841 101	NO	NO

*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 48  
**Finland's total quantities of Kyoto Protocol units by account type at the end of 2009 (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	281 659 205	16 884	NO	175 655	NO	NO
Entity holding	34 298 085	17 500	NO	2 166 948	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	27	NO	NO	5 175	NO	NO
Retirement	34 848 375	NO	NO	1 146 106	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>350 805 692</b>	<b>34 384</b>	<b>NO</b>	<b>3 493 884</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 49

**Finland's total transactions of Kyoto Protocol units in 2009 (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	11 245 353	34 384	NO	2 893 121	NO	NO
<b>Total transactions</b>	<b>11 245 353</b>	<b>34 384</b>	<b>NO</b>	<b>2 893 121</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	5 173	NO	NO
External transactions	13 213 205	NO	NO	1 240 338	NO	NO
<b>Total transactions</b>	<b>13 213 205</b>	<b>NO</b>	<b>NO</b>	<b>1 245 511</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**

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

26. Tables 51–55 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 50

**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 limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	100.0	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 2009 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	16 133 333	t CO <sub>2</sub> eq

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Protocol		
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 51  
**France's emissions/removals of greenhouse gases in 2008 (provisional values)**

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol in 2008	527 026 394	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation) in 2008	-1 242 480	t CO <sub>2</sub> eq
Afforestation and reforestation	-13 591 420	t CO <sub>2</sub> eq
Deforestation	12 348 940	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol in 2008	-83 971 205	t CO <sub>2</sub> eq
Forest management	-83 971 205	t CO <sub>2</sub> eq
Cropland management	NA	t CO <sub>2</sub> eq
Grazing land management	NA	t CO <sub>2</sub> eq
Revegetation	NA	t CO <sub>2</sub> eq

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

Table 52  
**France's total quantities of Kyoto Protocol units by account type at the end of 2008 (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	2 686 250 584	NO	NO	NO	NO	NO
Entity holding	135 106 817	NO	NO	12 160 430	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	2 000	NO	NO	15 040	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
Total	2 821 359 401	NO	NO	12 175 470	NO	NO

*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 53  
**France's total quantities of Kyoto Protocol units by account type at the end of 2009 (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	2 551 675 542	NO	NO	5 770	NO	NO
Entity holding	218 612 850	65 676	NO	7 639 667	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	3 202	NO	NO	75 731	NO	NO
Retirement	118 347 827	NO	NO	5 710 819	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>2 888 639 421</b>	<b>65 676</b>	<b>NO</b>	<b>13 431 987</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 54  
**France's total transactions of Kyoto Protocol units in 2009 (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		431 851	NO			
External transactions	950 617 377	50 211	NO	43 751 554	NO	NO
<b>Total transactions</b>	<b>950 617 377</b>	<b>482 062</b>	<b>NO</b>	<b>43 751 554</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	433 053	NO	NO	60 691	NO	NO
External transactions	882 905 506	416 386	NO	42 495 037	NO	NO
<b>Total transactions</b>	<b>883 338 559</b>	<b>416 386</b>	<b>NO</b>	<b>42 555 728</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

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

28. Tables 55–59 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 55

**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>a</sup>	1 232 429 543	t CO <sub>2</sub> eq
Quantified 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 2009 annual review	4 381 287 024	t CO <sub>2</sub> eq
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 56

**Germany’s emissions/removals of greenhouse gases in 2008 (provisional values)**

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol in 2008	958 060 729	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation) in 2008	13 778 385	t CO <sub>2</sub> eq
Afforestation and reforestation	–2 615 197	t CO <sub>2</sub> eq
Deforestation	16 393 582	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol in 2008	–20 331 821	t CO <sub>2</sub> eq
Forest management	–20 331 821	t CO <sub>2</sub> eq
Cropland management	NA	t CO <sub>2</sub> eq
Grazing land management	NA	t CO <sub>2</sub> eq
Revegetation	NA	t CO <sub>2</sub> eq

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

Table 57  
**Germany's total quantities of Kyoto Protocol units by account type at the end of 2008**  
**(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	4 430 221 473	NO	NO	NO	NO	NO
Entity holding	445 334 075	NO	NO	40 041 182	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	215	NO	NO	100 425	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>4 875 555 763</b>	<b>NO</b>	<b>NO</b>	<b>40 141 607</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  
**Germany's total quantities of Kyoto Protocol units by account type at the end of 2009**  
**(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	4 449 684 519	NO	NO	24 099 433	NO	NO
Entity holding	444 975 137	322 378	NO	41 317 695	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	1 423	66	NO	294 386	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>4 894 661 079</b>	<b>322 444</b>	<b>NO</b>	<b>65 711 514</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 59  
**Germany's total transactions of Kyoto Protocol units in 2009 (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		143 492	NO			
External transactions	372 071 597	720 237	NO	52 171 623	NO	NO
Total transactions	372 071 597	863 729	NO	52 171 623	NO	NO
<i>Subtractions</i>						
Internal transactions	144 700	66	NO	193 961	NO	NO
External transactions	352 822 789	541 285	NO	26 601 716	NO	NO
Total transactions	352 967 489	541 351	NO	26 795 677	NO	NO

*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

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

30. Tables 60–64 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 60  
**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 limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	125.0	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 2009 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 61  
Greece's emissions/removals of greenhouse gases in 2008 (provisional values)

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol in 2008	128 492 282	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation) in 2008	-346 746	t CO <sub>2</sub> eq
Afforestation and reforestation	-350 626	t CO <sub>2</sub> eq
Deforestation	3 880	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol in 2008	-2 044 821	t CO <sub>2</sub> eq
Forest management	-2 044 821	t CO <sub>2</sub> eq
Cropland management	NA	t CO <sub>2</sub> eq
Grazing land management	NA	t CO <sub>2</sub> eq
Revegetation	NA	t CO <sub>2</sub> eq

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

Table 62  
Greece's total quantities of Kyoto Protocol units by account type at the end of 2008 (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	604 986 301	NO	NO	NO	NO	NO
Entity holding	63 662 745	NO	NO	53 000	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
Total	668 649 046	NO	NO	53 000	NO	NO

*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  
**Greece's total quantities of Kyoto Protocol units by account type at the end of 2009**  
**(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	541 738 009	NO	NO	NO	NO	NO
Entity holding	51 004 592	NO	NO	224 945	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	69 660 497	NO	NO	193 945	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>662 403 098</b>	<b>NO</b>	<b>NO</b>	<b>418 890</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 64  
**Greece's total transactions of Kyoto Protocol units in 2009 (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	586 163	NO	NO	380 890	NO	NO
<b>Total transactions</b>	<b>586 163</b>	<b>NO</b>	<b>NO</b>	<b>380 890</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	NO	NO	NO
External transactions	6 832 111	NO	NO	15 000	NO	NO
<b>Total transactions</b>	<b>6 832 111</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

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

32. Tables 65–69 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 65  
**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 limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	94.0	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 2009 annual review	394 987 486	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 66  
**Hungary's emissions/removals of greenhouse gases in 2008 (provisional values)**

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol in 2008	73 138 653	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation) in 2008	-1 140 701	t CO <sub>2</sub> eq
Afforestation and reforestation	-1 184 210	t CO <sub>2</sub> eq
Deforestation	43 509	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol in 2008	-3 861 859	t CO <sub>2</sub> eq
Forest management	-3 861 859	t CO <sub>2</sub> eq
Cropland management	NA	t CO <sub>2</sub> eq
Grazing land management	NA	t CO <sub>2</sub> eq
Revegetation	NA	t CO <sub>2</sub> eq

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

Table 67  
**Hungary's total quantities of Kyoto Protocol units by account type at the end of 2008 (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	533 716 600	NO	NO	NO	NO	NO
Entity holding	746 000	NO	NO	610 118	NO	NO
Article 3, paragraphs 3 and 4, net source	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>
cancellation						
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>534 462 600</b>	<b>NO</b>	<b>NO</b>	<b>610 118</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  
**Hungary's total quantities of Kyoto Protocol units by account type at the end of 2009 (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	511 052 896	NO	NO	1 743 894	NO	NO
Entity holding	12 523 228	NO	NO	1 205 726	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>523 576 124</b>	<b>NO</b>	<b>NO</b>	<b>2 949 620</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 69  
**Hungary's total transactions of Kyoto Protocol units in 2009 (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		1 168 831	NO			
External transactions	6 604 399	NO	NO	2 446 028	NO	NO
<b>Total transactions</b>	<b>6 604 399</b>	<b>1 168 831</b>	<b>NO</b>	<b>2 446 028</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	1 168 831	NO	NO	NO	NO	NO
External transactions	16 322 044	1 168 831	NO	106 526	NO	NO
Total transactions	17 490 875	1 168 831	NO	106 526	NO	NO

*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

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

34. Tables 70 and 71 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 SEF tables in the year following the calendar year in which the Party first transferred or acquired Kyoto Protocol units. As at 31 December 2009, Iceland had neither transferred nor acquired any Kyoto Protocol units.

Table 70

### 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>a</sup>	3 367 972	t CO <sub>2</sub> eq
Quantified limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	110.0	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 2009 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 71

### Iceland's emissions/removals of greenhouse gases in 2008 (provisional values)

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol in 2008	4 880 097	t CO <sub>2</sub> eq

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation) in 2008	-101 179	t CO <sub>2</sub> eq
Afforestation and reforestation	-101 179	t CO <sub>2</sub> eq
Deforestation	0	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol in 2008	-548 488	t CO <sub>2</sub> eq
Forest management	NA	t CO <sub>2</sub> eq
Cropland management	NA	t CO <sub>2</sub> eq
Grazing land management	NA	t CO <sub>2</sub> eq
Revegetation	-548 488	t CO <sub>2</sub> eq

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

## XVIII. Ireland

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

36. Tables 72–76 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 72

### 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 limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	113.0	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 2009 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 73

### Ireland’s emissions/removals of greenhouse gases in 2008 (provisional values)

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto	67 439 277	t CO <sub>2</sub> eq

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Protocol in 2008		
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation) in 2008	-2 641 833	t CO <sub>2</sub> eq
Afforestation and reforestation	-2 652 812	t CO <sub>2</sub> eq
Deforestation	10 979	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol in 2008	NA	t CO <sub>2</sub> eq
Forest management	NA	t CO <sub>2</sub> eq
Cropland management	NA	t CO <sub>2</sub> eq
Grazing land management	NA	t CO <sub>2</sub> eq
Revegetation	NA	t CO <sub>2</sub> eq

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

Table 74  
**Ireland's total quantities of Kyoto Protocol units by account type at the end of 2008 (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	294 214 188	NO	NO	NO	NO	NO
Entity holding	20 753 605	NO	NO	3 670 980	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
Total	314 967 793	NO	NO	3 670 980	NO	NO

*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 75  
**Ireland's total quantities of Kyoto Protocol units by account type at the end of 2009 (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	274 071 230	NO	NO	NO	NO	NO
Entity holding	21 195 872	NO	NO	6 480 622	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	245	NO	NO	NO	NO	NO
Retirement	19 668 515	NO	NO	713 192	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>314 935 862</b>	<b>NO</b>	<b>NO</b>	<b>7 193 814</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 76

**Ireland's total transactions of Kyoto Protocol units in 2009 (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	3 237 702	NO	NO	9 285 054	NO	NO
<b>Total transactions</b>	<b>3 237 702</b>	<b>NO</b>	<b>NO</b>	<b>9 285 054</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	245	NO	NO	NO	NO	NO
External transactions	3 269 633	NO	NO	5 762 220	NO	NO
<b>Total transactions</b>	<b>3 269 878</b>	<b>NO</b>	<b>NO</b>	<b>5 762 220</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**

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

38. Tables 77–81 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 77

**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 limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	94.0	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 2009 annual review	2 174 650 108	t CO <sub>2</sub> eq



<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
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 78

**Italy's emissions/removals of greenhouse gases in 2008 (provisional values)**

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol in 2008	541 485 364	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation) in 2008	-1 331 602	t CO <sub>2</sub> eq
Afforestation and reforestation	-1 718 046	t CO <sub>2</sub> eq
Deforestation	386 444	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol in 2008	-50 730 651	t CO <sub>2</sub> eq
Forest management	-50 730 651	t CO <sub>2</sub> eq
Cropland management	NA	t CO <sub>2</sub> eq
Grazing land management	NA	t CO <sub>2</sub> eq
Revegetation	NA	t CO <sub>2</sub> eq

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

Table 79

**Italy's total quantities of Kyoto Protocol units by account type at the end of 2008 (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	2 232 035 444	NO	NO	NO	NO	NO
Entity holding	200 730 708	NO	NO	9 302 402	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	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>
certification report						
Total	2 432 766 152	NO	NO	9 302 402	NO	NO

*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 80

**Italy's total quantities of Kyoto Protocol units by account type at the end of 2009 (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	2 215 257 469	NO	NO	7 411 755	NO	NO
Entity holding	211 123 812	NO	NO	20 312 441	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
Total	2 426 381 281	NO	NO	27 724 196	NO	NO

*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 81

**Italy's total transactions of Kyoto Protocol units in 2009 (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	20 116 642	NO	NO	22 792 461	NO	NO
Total transactions	20 116 642	NO	NO	22 792 461	NO	NO
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	NO	NO	NO
External transactions	26 501 513	NO	NO	4 370 667	NO	NO
Total transactions	26 501 513	NO	NO	4 370 667	NO	NO

*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

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

40. Tables 82–86 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 82

### 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 limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	94.0	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 2009 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
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 83

### Japan's emissions/removals of greenhouse gases in 2008 (provisional values)

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol in 2008	1 281 883 873	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation) in 2008	2 039 128	t CO <sub>2</sub> eq
Afforestation and reforestation	-391 950	t CO <sub>2</sub> eq
Deforestation	2 431 078	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol in 2008	-46 105 107	t CO <sub>2</sub> eq
Forest management	-45 388 900	t CO <sub>2</sub> eq
Cropland management	NA	t CO <sub>2</sub> eq
Grazing land management	NA	t CO <sub>2</sub> eq
Revegetation	-716 207	t CO <sub>2</sub> eq

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

Table 84  
**Japan's total quantities of Kyoto Protocol units by account type at the end of 2008**  
**(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	5 928 257 666	NO	NO	NO	NO	NO
Entity holding	16 610 517	NO	NO	41 921 040	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	2 859	NO	NO
Retirement	NO	NO	NO	348 668	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>5 944 868 183</b>	<b>NO</b>	<b>NO</b>	<b>42 272 567</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  
**Japan's total quantities of Kyoto Protocol units by account type at the end of 2009**  
**(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	5 929 538 475	NO	NO	6 872 274	NO	NO
Entity holding	73 375 951	673 635	NO	39 725 554	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>6 025 914 426</b>	<b>673 635</b>	<b>NO</b>	<b>82 704 601</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 86  
**Japan's total transactions of Kyoto Protocol units in 2009 (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	81 046 243	727 940	NO	48 044 419	NO	NO
Total transactions	81 046 243	727 940	NO	48 044 419	NO	NO
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	18 005	NO	NO
External transactions	NO	54 305	NO	7 612 385	NO	NO
Total transactions	NO	54 305	NO	7 630 390	NO	NO

*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

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

42. Tables 87–91 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 87  
**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 limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	92.0	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 2009 annual review	53 369 492	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 88  
**Latvia's emissions/removals of greenhouse gases in 2008 (provisional values)**

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol in 2008	11 904 562	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation) in 2008	-62 919	t CO <sub>2</sub> eq
Afforestation and reforestation	-62 919	t CO <sub>2</sub> eq
Deforestation	NA	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol in 2008	-29 148 590	t CO <sub>2</sub> eq
Forest management	-29 148 590	t CO <sub>2</sub> eq
Cropland management	NA	t CO <sub>2</sub> eq
Grazing land management	NA	t CO <sub>2</sub> eq
Revegetation	NA	t CO <sub>2</sub> eq

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

Table 89  
**Latvia's total quantities of Kyoto Protocol units by account type at the end of 2008 (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	116 612 408	NO	NO	NO	NO	NO
Entity holding	2 752 354	NO	NO	110 000	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
Total	119 364 762	NO	NO	110 000	NO	NO

*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  
**Latvia's total quantities of Kyoto Protocol units by account type at the end of 2009 (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	76 211 269	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>
Entity holding	2 954 236	NO	NO	248 729	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	2 639 647	NO	NO	103 271	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
Total	81 805 152	NO	NO	352 000	NO	NO

*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 91

**Latvia's total transactions of Kyoto Protocol units in 2009 (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	234 492	NO	NO	242 000	NO	NO
Total transactions	234 492	NO	NO	242 000	NO	NO
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	NO	NO	NO
External transactions	37 794 102	NO	NO	NO	NO	NO
Total transactions	37 794 102	NO	NO	NO	NO	NO

*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

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

44. Tables 92–96 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 92

**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

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Quantified limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	92.0	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 2009 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 93

**Liechtenstein's emissions/removals of greenhouse gases in 2008 (provisional values)**

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol in 2008	263 383	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation) in 2008	-8 221	t CO <sub>2</sub> eq
Afforestation and reforestation	-11 879	t CO <sub>2</sub> eq
Deforestation	3 658	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol in 2008	NA	t CO <sub>2</sub> eq
Forest management	NA	t CO <sub>2</sub> eq
Cropland management	NA	t CO <sub>2</sub> eq
Grazing land management	NA	t CO <sub>2</sub> eq
Revegetation	NA	t CO <sub>2</sub> eq

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

Table 94

**Liechtenstein's total quantities of Kyoto Protocol units by account type at the end of 2008 (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	1 034 521	NO	NO	NO	NO	NO
Entity holding	21 102	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



<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>1 055 623</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 95  
**Liechtenstein's total quantities of Kyoto Protocol units by account type at the end of 2009 (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	1 034 907	NO	NO	20 000	NO	NO
Entity holding	20 716	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>1 055 623</b>	<b>NO</b>	<b>NO</b>	<b>29 375</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 96  
**Liechtenstein's total transactions of Kyoto Protocol units in 2009 (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	59 735	NO	29 375	NO	NO
<b>Total transactions</b>	<b>NO</b>	<b>59 735</b>	<b>NO</b>	<b>29 375</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	NO	NO	NO
External transactions	NO	59 735	NO	NO	NO	NO
<b>Total transactions</b>	<b>NO</b>	<b>59 735</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.

## XXIII. Lithuania

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

46. Tables 97–101 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 97

### 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 limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	92.0	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
Commitment period reserve after the 2009 annual review	108 768 165	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 98

### Lithuania's emissions/removals of greenhouse gases in 2008 (provisional values)

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol in 2008	24 326 997	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation) in 2008	NA	t CO <sub>2</sub> eq
Afforestation and reforestation	NA	t CO <sub>2</sub> eq
Deforestation	NA	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol in 2008	NA	t CO <sub>2</sub> eq
Forest management	NA	t CO <sub>2</sub> eq
Cropland management	NA	t CO <sub>2</sub> eq

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Grazing land management	NA	t CO <sub>2</sub> eq
Revegetation	NA	t CO <sub>2</sub> eq

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

Table 99  
**Lithuania's total quantities of Kyoto Protocol units by account type at the end of 2008 (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	220 172 157	NO	NO	NO	NO	NO
Entity holding	4 775 729	NO	NO	233 751	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
Total	224 947 886	NO	NO	233 751	NO	NO

*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  
**Lithuania's total quantities of Kyoto Protocol units by account type at the end of 2009 (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	211 667 698	NO	NO	466 169	NO	NO
Entity holding	3 309 036	109 301	NO	150 180	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	6 103 720	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
Total	221 080 454	109 301	NO	616 349	NO	NO

*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 101  
**Lithuania's total transactions of Kyoto Protocol units in 2009 (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		72 184	NO			
External transactions	2 444 021	109 301	NO	862 599	NO	NO
Total transactions	2 444 021	181 485	NO	862 599	NO	NO
<i>Subtractions</i>						
Internal transactions	72 184	NO	NO	NO	NO	NO
External transactions	6 239 269	72 184	NO	480 001	NO	NO
Total transactions	6 311 453	72 184	NO	480 001	NO	NO

*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

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

48. Tables 102–106 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 102  
**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 limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	72.0	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 2009 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 103  
**Luxembourg's emissions/removals of greenhouse gases in 2008 (provisional values)**

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol in 2008	12 493 938	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation) in 2008	NA	t CO <sub>2</sub> eq
Afforestation and reforestation	NA	t CO <sub>2</sub> eq
Deforestation	NA	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol in 2008	NA	t CO <sub>2</sub> eq
Forest management	NA	t CO <sub>2</sub> eq
Cropland management	NA	t CO <sub>2</sub> eq
Grazing land management	NA	t CO <sub>2</sub> eq
Revegetation	NA	t CO <sub>2</sub> eq

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

Table 104  
**Luxembourg's total quantities of Kyoto Protocol units by account type at the end of 2008 (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	44 914 767	NO	NO	56 456	NO	NO
Entity holding	2 239 681	NO	NO	114 890	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
Total	47 154 448	NO	NO	171 346	NO	NO

*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  
**Luxembourg's total quantities of Kyoto Protocol units by account type at the end of 2009 (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	44 438 433	NO	NO	869 915	NO	NO
Entity holding	2 648 467	NO	NO	134 628	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	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>47 086 900</b>	<b>NO</b>	<b>NO</b>	<b>1 004 543</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 106

**Luxembourg's total transactions of Kyoto Protocol units in 2009 (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	1 201 995	NO	NO	854 120	NO	NO
<b>Total transactions</b>	<b>1 201 995</b>	<b>NO</b>	<b>NO</b>	<b>854 120</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	NO	NO	NO
External transactions	1 269 543	NO	NO	20 923	NO	NO
<b>Total transactions</b>	<b>1 269 543</b>	<b>NO</b>	<b>NO</b>	<b>20 923</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**

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

50. Tables 107 and 108 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 table in the year following the calendar year in which the Party first transferred or acquired Kyoto Protocol units. As at 31 December 2009, Monaco had neither transferred nor acquired any Kyoto Protocol units.

Table 107  
**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 limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	92.0	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 2009 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 108  
**Monaco's emissions/removals of greenhouse gases in 2008 (provisional values)**

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol in 2008	95 486	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation) in 2008	NA	t CO <sub>2</sub> eq
Afforestation and reforestation	NA	t CO <sub>2</sub> eq
Deforestation	NA	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol in 2008	NA	t CO <sub>2</sub> eq
Forest management	NA	t CO <sub>2</sub> eq
Cropland management	NA	t CO <sub>2</sub> eq
Grazing land management	NA	t CO <sub>2</sub> eq
Revegetation	NA	t CO <sub>2</sub> eq

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

## XXVI. Netherlands

51. 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.

52. Tables 109–113 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 109  
**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 limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	94.0	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 2009 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 110  
**The Netherlands's emissions/removals of greenhouse gases in 2008 (provisional values)**

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol in 2008	206 916 556	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation) in 2008	233 772	t CO <sub>2</sub> eq
Afforestation and reforestation	-546 677	t CO <sub>2</sub> eq
Deforestation	780 449	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol in 2008	NA	t CO <sub>2</sub> eq
Forest management	NA	t CO <sub>2</sub> eq
Cropland management	NA	t CO <sub>2</sub> eq
Grazing land management	NA	t CO <sub>2</sub> eq
Revegetation	NA	t CO <sub>2</sub> eq

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

Table 111  
**The Netherlands's total quantities of Kyoto Protocol units by account type at the end of 2008 (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	924 505 409	NO	NO	7 230 375	NO	NO
Entity holding	80 858 465	NO	NO	9 280 513	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	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>1 005 363 874</b>	<b>NO</b>	<b>NO</b>	<b>16 510 888</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 112**  
**The Netherlands's total quantities of Kyoto Protocol units by account type at the end of 2009 (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	842 767 016	917 099	NO	12 458 380	NO	NO
Entity holding	85 495 450	120 109	NO	4 782 736	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	NO	NO
Retirement	83 512 630	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>1 011 775 096</b>	<b>1 037 208</b>	<b>NO</b>	<b>17 241 136</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 113**  
**The Netherlands's total transactions of Kyoto Protocol units in 2009 (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	209 068 825	1 400 858	NO	73 230 286	NO	NO
<b>Total transactions</b>	<b>209 068 825</b>	<b>1 400 858</b>	<b>NO</b>	<b>73 230 286</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	NO	NO	NO	20	NO	NO
External transactions	202 657 603	363 650	NO	72 500 038	NO	NO
Total transactions	202 657 603	363 650	NO	72 500 058	NO	NO

*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

53. 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.

54. Tables 114–118 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 114

### 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
Quantified limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	100.0	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 2009 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 115

### New Zealand's emissions/removals of greenhouse gases in 2008 (provisional values)

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol in 2008	75 119 899	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation) in 2008	-14 416 784	t CO <sub>2</sub> eq

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Afforestation and reforestation	-17 327 387	t CO <sub>2</sub> eq
Deforestation	2 910 603	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol in 2008	NA	t CO <sub>2</sub> eq
Forest management	NA	t CO <sub>2</sub> eq
Cropland management	NA	t CO <sub>2</sub> eq
Grazing land management	NA	t CO <sub>2</sub> eq
Revegetation	NA	t CO <sub>2</sub> eq

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

Table 116  
**New Zealand's total quantities of Kyoto Protocol units by account type at the end of 2008 (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	309 420 003	NO	NO	NO	NO	NO
Entity holding	24 730	120 000	NO	9 308	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	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
Total	309 444 733	120 000	NO	10 108	NO	NO

*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 117  
**New Zealand's total quantities of Kyoto Protocol units by account type at the end of 2009 (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	308 329 266	NO	NO	NO	NO	NO
Entity holding	48 449	48 098	NO	9 308	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	800	NO	NO
Retirement	NO	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>
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>308 377 715</b>	<b>48 098</b>	<b>NO</b>	<b>10 108</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 118

**New Zealand's total transactions of Kyoto Protocol units in 2009 (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		496 567	NO			
External transactions	1 000	NO	NO	401 000	NO	NO
<b>Total transactions</b>	<b>1 000</b>	<b>496 567</b>	<b>NO</b>	<b>401 000</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	496 567	NO	NO	NO	NO	NO
External transactions	571 451	568 469	NO	401 000	NO	NO
<b>Total transactions</b>	<b>1 068 018</b>	<b>568 469</b>	<b>NO</b>	<b>401 000</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.

## XXVIII. Norway

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

56. Tables 119–123 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 119

**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 limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	101.0	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 2009 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	7 333 333	t CO <sub>2</sub> eq

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Protocol		
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 120  
**Norway's emissions/removals of greenhouse gases in 2008 (provisional values)**

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol in 2008	53 705 782	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation) in 2008	-196 568	t CO <sub>2</sub> eq
Afforestation and reforestation	-104 008	t CO <sub>2</sub> eq
Deforestation	-92 560	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol in 2008	-30 807 609	t CO <sub>2</sub> eq
Forest management	-30 807 609	t CO <sub>2</sub> eq
Cropland management	NA	t CO <sub>2</sub> eq
Grazing land management	NA	t CO <sub>2</sub> eq
Revegetation	NA	t CO <sub>2</sub> eq

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

Table 121  
**Norway's total quantities of Kyoto Protocol units by account type at the end of 2008 (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	250 576 797	NO	NO	51 768	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
Total	250 576 797	NO	NO	51 768	NO	NO

*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  
**Norway's total quantities of Kyoto Protocol units by account type at the end of 2009 (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	221 621 844	16 603	NO	190 448	NO	NO
Entity holding	10 779 888	8 129	NO	888 920	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	15 856	NO	NO	1 216	NO	NO
Retirement	19 135 659	NO	NO	206 585	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
Total	251 553 247	24 732	NO	1 287 169	NO	NO

*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 123  
**Norway's total transactions of Kyoto Protocol units in 2009 (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	15 859 036	24 732	NO	2 224 053	NO	NO
Total transactions	15 859 036	24 732	NO	2 224 053	NO	NO
<i>Subtractions</i>						
Internal transactions	15 856	NO	NO	1 216	NO	NO
External transactions	14 882 586	NO	NO	988 652	NO	NO
Total transactions	14 898 442	NO	NO	989 868	NO	NO

*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

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

58. Tables 124–128 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 124

**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 limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	94.0	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 2009 annual review	1 942 410 776	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 125

**Poland’s emissions/removals of greenhouse gases in 2008 (provisional values)**

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol in 2008	395 558 460	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation) in 2008	-3 517 620	t CO <sub>2</sub> eq
Afforestation and reforestation	-3 671 660	t CO <sub>2</sub> eq
Deforestation	154 040	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol in 2008	-7 298 666	t CO <sub>2</sub> eq
Forest management	-7 298 666	t CO <sub>2</sub> eq
Cropland management	NA	t CO <sub>2</sub> eq
Grazing land management	NA	t CO <sub>2</sub> eq
Revegetation	NA	t CO <sub>2</sub> eq

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

Table 126

**Poland’s total quantities of Kyoto Protocol units by account type at the end of 2008 (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	2 648 181 038	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>
Entity holding	746 021	NO	NO	2 077 253	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>2 648 927 059</b>	<b>NO</b>	<b>NO</b>	<b>2 077 253</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

**Poland's total quantities of Kyoto Protocol units by account type at the end of 2009 (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	2 446 176 058	NO	NO	4 887 256	NO	NO
Entity holding	177 221 382	890	NO	6 132 564	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>2 623 397 440</b>	<b>890</b>	<b>NO</b>	<b>11 019 820</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 128

**Poland's total transactions of Kyoto Protocol units in 2009 (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		113 540	NO			
External transactions	17 779 729	891	NO	9 473 211	NO	NO



<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>						
Total transactions	17 779 729	114 431	NO	9 473 211	NO	NO
<i>Subtractions</i>						
Internal transactions	113 540	NO	NO	NO	NO	NO
External transactions	43 195 808	113 541	NO	530 644	NO	NO
Total transactions	43 309 348	113 541	NO	530 644	NO	NO

*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

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

60. Tables 129–133 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 129

#### 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
Quantified limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	127.0	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 2009 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 130

#### Portugal's emissions/removals of greenhouse gases in 2008 (provisional values)

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol in 2008	78 381 074	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph	4 134 533	t CO <sub>2</sub> eq

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
3, of the Kyoto Protocol (afforestation and reforestation, and deforestation) in 2008		
Afforestation and reforestation	-2 742 667	t CO <sub>2</sub> eq
Deforestation	6 877 200	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol in 2008	2 441 267	t CO <sub>2</sub> eq
Forest management	2 563 000	t CO <sub>2</sub> eq
Cropland management	-36 190	t CO <sub>2</sub> eq
Grazing land management	-85 543	t CO <sub>2</sub> eq
Revegetation	NA	t CO <sub>2</sub> eq

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

Table 131  
**Portugal's total quantities of Kyoto Protocol units by account type at the end of 2008 (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	351 723 379	NO	NO	NO	NO	NO
Entity holding	25 799 792	NO	NO	1 245 397	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
Total	377 523 171	NO	NO	1 245 397	NO	NO

*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  
**Portugal's total quantities of Kyoto Protocol units by account type at the end of 2009 (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	321 367 458	NO	NO	NO	NO	NO
Entity holding	29 212 224	NO	NO	2 282 367	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	27 923 069	NO	NO	1 985 373	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>378 502 751</b>	<b>NO</b>	<b>NO</b>	<b>4 267 740</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 133

**Portugal's total transactions of Kyoto Protocol units in 2009 (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	28 019 395	NO	NO	3 627 324	NO	NO
<b>Total transactions</b>	<b>28 019 395</b>	<b>NO</b>	<b>NO</b>	<b>3 627 324</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	NO	NO	NO
External transactions	27 039 815	NO	NO	604 981	NO	NO
<b>Total transactions</b>	<b>27 039 815</b>	<b>NO</b>	<b>NO</b>	<b>604 981</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**

61. Romania met all the eligibility criteria and became eligible to participate in all the flexibility mechanisms under the Kyoto Protocol on 18 September 2008.

62. Tables 134–138 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 134

**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 limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	92.0	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 2009 annual review	780 545 734	t CO <sub>2</sub> eq
Limitation on the additions to and subtractions from Romania's assigned amount	20 166 667	t CO <sub>2</sub> eq

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol		
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 135

**Romania's emissions/removals of greenhouse gases in 2008 (provisional values)**

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol in 2008	145 915 869	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation) in 2008	-104 976	t CO <sub>2</sub> eq
Afforestation and reforestation	-178 933	t CO <sub>2</sub> eq
Deforestation	73 957	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol in 2008	-36 247 464	t CO <sub>2</sub> eq
Forest management	-36 199 467	t CO <sub>2</sub> eq
Cropland management	NA	t CO <sub>2</sub> eq
Grazing land management	NA	t CO <sub>2</sub> eq
Revegetation	-47 997	t CO <sub>2</sub> eq

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

Table 136

**Romania's total quantities of Kyoto Protocol units by account type at the end of 2008 (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	1 210 126 381	NO	NO	NO	NO	NO
Entity holding	65 035 033	NO	NO	16 600	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>
Total	1 275 161 414	NO	NO	16 600	NO	NO

*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

**Romania's total quantities of Kyoto Protocol units by account type at the end of 2009 (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	1 135 305 593	NO	NO	NO	NO	NO
Entity holding	45 535 367	30 174	NO	432 363	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	62 926 235	NO	NO	890 591	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
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
Total	1 243 767 195	30 174	NO	1 322 954	NO	NO

*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 138

**Romania's total transactions of Kyoto Protocol units in 2009 (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	8 263 468	105 174	NO	1 325 648	NO	NO
Total transactions	8 263 468	105 174	NO	1 325 648	NO	NO
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	NO	NO	NO
External transactions	39 657 687	75 000	NO	19 294	NO	NO
Total transactions	39 657 687	75 000	NO	19 294	NO	NO

*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

63. 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.

64. Tables 139–143 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 139

### 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 limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	100.0	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 2009 annual review	10 629 794 715	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
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 140

### The Russian Federation's emissions/removals of greenhouse gases in 2008 (provisional values)

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol in 2008	2 229 565 149	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation) in 2008	-6 052 901	t CO <sub>2</sub> eq
Afforestation and reforestation	-6 451 211	t CO <sub>2</sub> eq
Deforestation	398 310	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol in 2008	-428 117 571	t CO <sub>2</sub> eq
Forest management	-428 117 571	t CO <sub>2</sub> eq
Cropland management	NA	t CO <sub>2</sub> eq
Grazing land management	NA	t CO <sub>2</sub> eq
Revegetation	NA	t CO <sub>2</sub> eq

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

Table 141  
**The Russian Federation's total quantities of Kyoto Protocol units by account type at the end of 2008 (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	16 617 095 319	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>16 617 095 319</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 142  
**The Russian Federation's total quantities of Kyoto Protocol units by account type at the end of 2009 (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	16 617 095 319	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>16 617 095 319</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 143  
**The Russian Federation's total transactions of Kyoto Protocol units in 2009**  
**(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
Total transactions	NO	NO	NO	NO	NO	NO
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	NO	NO	NO
External transactions	NO	NO	NO	NO	NO	NO
Total transactions	NO	NO	NO	NO	NO	NO

*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

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

66. Tables 144–148 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 144  
**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 limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	92.0	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 2009 annual review	242 974 886	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 145  
Slovakia's emissions/removals of greenhouse gases in 2008 (provisional values)

Parameter	Value	Unit
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol in 2008	48 831 107	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation) in 2008	1 350 580	t CO <sub>2</sub> eq
Afforestation and reforestation	-1 701 333	t CO <sub>2</sub> eq
Deforestation	3 051 913	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol in 2008	NA	t CO <sub>2</sub> eq
Forest management	NA	t CO <sub>2</sub> eq
Cropland management	NA	t CO <sub>2</sub> eq
Grazing land management	NA	t CO <sub>2</sub> eq
Revegetation	NA	t CO <sub>2</sub> eq

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

Table 146  
Slovakia's total quantities of Kyoto Protocol units by account type at the end of 2008 (final values)

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding	284 144 497	NO	NO	NO	NO	NO
Entity holding	26 056 001	NO	NO	1 060 172	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
Total	310 200 498	NO	NO	1 060 172	NO	NO

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  
Slovakia's total quantities of Kyoto Protocol units by account type at the end of 2009 (provisional values)

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding	275 198 460	NO	NO	2 115 087	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	23 618 911	NO	NO	857 362	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
Total	298 817 371	NO	NO	2 972 449	NO	NO

*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 148

**Slovakia's total transactions of Kyoto Protocol units in 2009 (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	6 981 920	NO	NO	1 975 000	NO	NO
Total transactions	6 981 920	NO	NO	1 975 000	NO	NO
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	NO	NO	NO
External transactions	18 365 047	NO	NO	62 723	NO	NO
Total transactions	18 365 047	NO	NO	62 723	NO	NO

*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**

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

68. Tables 149–153 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 149

**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>a</sup>	20 354 042	t CO <sub>2</sub> eq

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Quantified limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	92.0	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 2009 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
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 150  
Slovenia's emissions/removals of greenhouse gases in 2008 (provisional values)

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol in 2008	21 284 831	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation) in 2008	2 456 816	t CO <sub>2</sub> eq
Afforestation and reforestation	NA	t CO <sub>2</sub> eq
Deforestation	2 456 816	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol in 2008	-10 307 572	t CO <sub>2</sub> eq
Forest management	-10 307 572	t CO <sub>2</sub> eq
Cropland management	NA	t CO <sub>2</sub> eq
Grazing land management	NA	t CO <sub>2</sub> eq
Revegetation	NA	t CO <sub>2</sub> eq

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

Table 151  
Slovenia's total quantities of Kyoto Protocol units by account type at the end of 2008 (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	85 498 165	NO	NO	NO	NO	NO
Entity holding	7 930 263	NO	NO	387 734	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

<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>93 428 428</b>	<b>NO</b>	<b>NO</b>	<b>387 734</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

**Slovenia's total quantities of Kyoto Protocol units by account type at the end of 2009 (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	77 199 873	NO	NO	NO	NO	NO
Entity holding	7 433 031	NO	NO	408 088	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	8 062 990	NO	NO	797 115	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>92 695 894</b>	<b>NO</b>	<b>NO</b>	<b>1 205 203</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 153

**Slovenia's total transactions of Kyoto Protocol units in 2009 (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	90 598	NO	NO	1 017 469	NO	NO
<b>Total transactions</b>	<b>90 598</b>	<b>NO</b>	<b>NO</b>	<b>1 017 469</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	NO	NO	NO
External transactions	823 132	NO	NO	200 000	NO	NO
<b>Total transactions</b>	<b>823 132</b>	<b>NO</b>	<b>NO</b>	<b>200 000</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.

## XXXV. Spain

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

70. Tables 154–158 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 154

### 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 limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	115.0	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 2009 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 155

### Spain's emissions/removals of greenhouse gases in 2008 (provisional values)

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol in 2008	405 740 285	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation) in 2008	-9 690 623	t CO <sub>2</sub> eq
Afforestation and reforestation	-9 726 124	t CO <sub>2</sub> eq
Deforestation	35 501	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol in 2008	-42 194 172	t CO <sub>2</sub> eq
Forest management	-39 096 580	t CO <sub>2</sub> eq
Cropland management	-3 097 592	t CO <sub>2</sub> eq
Grazing land management	NA	t CO <sub>2</sub> eq

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Revegetation	NA	t CO <sub>2</sub> eq

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

Table 156  
**Spain's total quantities of Kyoto Protocol units by account type at the end of 2008  
(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	1 521 385 490	NO	NO	1 205 389	NO	NO
Entity holding	134 980 481	NO	NO	18 937 930	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	164	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
Total	1 656 366 135	NO	NO	20 143 319	NO	NO

*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  
**Spain's total quantities of Kyoto Protocol units by account type at the end of 2009  
(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	1 363 394 375	77 273	NO	20 401 656	NO	NO
Entity holding	127 364 288	54 097	NO	16 088 670	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	661	NO	NO	NO	NO	NO
Retirement	163 437 167	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
Total	1 654 196 491	131 370	NO	36 490 326	NO	NO

*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 158

**Spain's total transactions of Kyoto Protocol units in 2009 (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	67 678 802	131 370	NO	36 720 725	NO	NO
Total transactions	67 678 802	131 370	NO	36 720 725	NO	NO
<i>Subtractions</i>						
Internal transactions	497	NO	NO	NO	NO	NO
External transactions	69 848 446	NO	NO	20 373 718	NO	NO
Total transactions	69 848 943	NO	NO	20 373 718	NO	NO

*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**

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

72. Tables 159–163 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 159

**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 limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	104.0	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 2009 annual review	337 669 705	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 160  
**Sweden's emissions/removals of greenhouse gases in 2008 (provisional values)**

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol in 2008	63 963 095	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation) in 2008	820 860	t CO <sub>2</sub> eq
Afforestation and reforestation	-1 576 002	t CO <sub>2</sub> eq
Deforestation	2 396 862	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol in 2008	-18 398 517	t CO <sub>2</sub> eq
Forest management	-18 398 517	t CO <sub>2</sub> eq
Cropland management	NA	t CO <sub>2</sub> eq
Grazing land management	NA	t CO <sub>2</sub> eq
Revegetation	NA	t CO <sub>2</sub> eq

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

Table 161  
**Sweden's total quantities of Kyoto Protocol units by account type at the end of 2008 (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	354 632 957	NO	NO	NO	NO	NO
Entity holding	19 597 548	NO	NO	1 181 299	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	231	NO	NO	27 768	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
Total	374 230 736	NO	NO	1 209 067	NO	NO

*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  
**Sweden's total quantities of Kyoto Protocol units by account type at the end of 2009 (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	332 606 035	NO	NO	NO	NO	NO
Entity holding	17 579 757	10 389	NO	1 305 736	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	2 100	NO	NO	194 312	NO	NO
Retirement	19 509 068	NO	NO	592 297	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>369 696 960</b>	<b>10 389</b>	<b>NO</b>	<b>2 092 345</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 163  
**Sweden's total transactions of Kyoto Protocol units in 2009 (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	3 893 422	27 250	NO	6 260 617	NO	NO
<b>Total transactions</b>	<b>3 893 422</b>	<b>27 250</b>	<b>NO</b>	<b>6 260 617</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	1 869	NO	NO	166 544	NO	NO
External transactions	8 427 198	16 861	NO	5 377 339	NO	NO
<b>Total transactions</b>	<b>8 429 067</b>	<b>16 861</b>	<b>NO</b>	<b>5 543 883</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

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

74. Tables 164–168 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 164  
**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 limitation and reduction commitment as inscribed in Annex B to the	92.0	per cent

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol		
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 2009 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 165  
**Switzerland's emissions/removals of greenhouse gases in 2008 (provisional values)**

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol in 2008	53 223 874	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation) in 2008	46 941	t CO <sub>2</sub> eq
Afforestation and reforestation	-35 243	t CO <sub>2</sub> eq
Deforestation	82 184	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol in 2008	-850 168	t CO <sub>2</sub> eq
Forest management	-850 168	t CO <sub>2</sub> eq
Cropland management	NA	t CO <sub>2</sub> eq
Grazing land management	NA	t CO <sub>2</sub> eq
Revegetation	NA	t CO <sub>2</sub> eq

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

Table 166  
**Switzerland's total quantities of Kyoto Protocol units by account type at the end of 2008 (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	239 914 821	NO	NO	NO	NO	NO
Entity holding	23 782 823	NO	NO	18 033 992	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	117 639	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>263 697 644</b>	<b>NO</b>	<b>NO</b>	<b>18 151 631</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  
**Switzerland's total quantities of Kyoto Protocol units by account type at the end of 2009 (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	236 337 038	NO	NO	NO	NO	NO
Entity holding	46 635 384	1 551 318	NO	13 415 793	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	259 239	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>282 972 422</b>	<b>1 551 318</b>	<b>NO</b>	<b>13 675 032</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 168  
**Switzerland's total transactions of Kyoto Protocol units in 2009 (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	20 744 628	2 937 304	NO	124 002 707	NO	NO
<b>Total transactions</b>	<b>20 744 628</b>	<b>2 937 304</b>	<b>NO</b>	<b>124 002 707</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	141 600	NO	NO
External transactions	1 469 850	1 385 986	NO	128 479 306	NO	NO
<b>Total transactions</b>	<b>1 469 850</b>	<b>1 385 986</b>	<b>NO</b>	<b>128 620 906</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

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

76. Tables 169–173 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 169

### 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 limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	100.0	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 2009 annual review	2 059 970 475	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 170

### Ukraine's emissions/removals of greenhouse gases in 2008 (provisional values)

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol in 2008	427 842 682	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation) in 2008	-1 609 152	t CO <sub>2</sub> eq
Afforestation and reforestation	-1 758 927	t CO <sub>2</sub> eq
Deforestation	149 775	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol in 2008	-47 718 084	t CO <sub>2</sub> eq
Forest management	-47 718 084	t CO <sub>2</sub> eq
Cropland management	NA	t CO <sub>2</sub> eq
Grazing land management	NA	t CO <sub>2</sub> eq

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Revegetation	NA	t CO <sub>2</sub> eq

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

Table 171  
**Ukraine's total quantities of Kyoto Protocol units by account type at the end of 2008**  
**(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	4 581 864 904	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
Total	4 581 864 904	NO	NO	NO	NO	NO

*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  
**Ukraine's total quantities of Kyoto Protocol units by account type at the end of 2009**  
**(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	4 544 470 899	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
Total	4 544 470 899	NO	NO	NO	NO	NO

*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 173

**Ukraine's total transactions of Kyoto Protocol units in 2009 (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		3 238 322	NO			
External transactions	NO	NO	NO	NO	NO	NO
Total transactions	NO	3 238 322	NO	NO	NO	NO
<i>Subtractions</i>						
Internal transactions	3 238 322	NO	NO	NO	NO	NO
External transactions	34 155 683	3 238 322	NO	NO	NO	NO
Total transactions	37 394 005	3 238 322	NO	NO	NO	NO

*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**

77. 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.

78. Tables 174–178 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 174

**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>d</sup>	779 904 144	t CO <sub>2</sub> eq
Quantified 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 2009 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

<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 175  
**The United Kingdom's emissions/removals of greenhouse gases in 2008 (provisional values)**

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol in 2008	631 733 344	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation) in 2008	-2 080 165	t CO <sub>2</sub> eq
Afforestation and reforestation	-2 695 030	t CO <sub>2</sub> eq
Deforestation	614 865	t CO <sub>2</sub> eq
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol in 2008	-10 698 386	t CO <sub>2</sub> eq
Forest management	-10 698 386	t CO <sub>2</sub> eq
Cropland management	NA	t CO <sub>2</sub> eq
Grazing land management	NA	t CO <sub>2</sub> eq
Revegetation	NA	t CO <sub>2</sub> eq

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

Table 176  
**The United Kingdom's total quantities of Kyoto Protocol units by account type at the end of 2008 (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	3 194 708 440	NO	NO	NO	NO	NO
Entity holding	258 680 286	NO	NO	24 757 580	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	80	NO	NO	345 826	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
Total	3 453 388 806	NO	NO	25 103 406	NO	NO

*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

**The United Kingdom's total quantities of Kyoto Protocol units by account type at the end of 2009 (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	2 956 145 800	NO	NO	23 301	NO	NO
Entity holding	239 617 021	714 134	NO	19 466 508	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	2 497	NO	NO	610 996	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>3 456 620 292</b>	<b>762 472</b>	<b>NO</b>	<b>24 705 924</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 178

**The United Kingdom's total transactions of Kyoto Protocol units in 2009 (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	625 404 135	1 356 648	NO	128 934 348	NO	NO
<b>Total transactions</b>	<b>625 404 135</b>	<b>1 356 648</b>	<b>NO</b>	<b>128 934 348</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	2 417	NO	NO	265 170	NO	NO
External transactions	622 172 649	594 176	NO	129 331 830	NO	NO
<b>Total transactions</b>	<b>622 175 066</b>	<b>594 176</b>	<b>NO</b>	<b>129 597 000</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.