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Item 13 of the provisional agenda

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

**Annual compilation and accounting report for Annex B  
Parties under the Kyoto Protocol for 2011**

**Note by the secretariat\***

**Addendum**

**Compilation and accounting information by Party**

*Summary*

This document contains detailed information on the initial accounting parameters under the Kyoto Protocol which are recorded for Parties included in Annex I to the Convention that are also Parties to the Kyoto Protocol with commitments inscribed in Annex B to the Kyoto Protocol in the compilation and accounting database after completion of review pursuant to decision 22/CMP.1 and the resolution of questions of implementation, if any. It also contains annual information on anthropogenic greenhouse gas (GHG) emissions in 2008 and 2009 from sources listed in Annex A to the Kyoto Protocol, GHG emissions and removals in 2008 and 2009 from land use, land-use change and forestry activities under Article 3, paragraph 3, of the Kyoto Protocol, and elected activities under Article 3, paragraph 4, of the Kyoto Protocol and holdings and transactions of Kyoto Protocol units. Some of the annual information is provisional which will be finalized after completion of the 2011 annual review pursuant to decision 22/CMP.1 and the resolution of questions of implementation, if any.

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

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## I. Introduction

1. Document FCCC/KP/CMP/2011/8 provides an overview of the information on annual accounting parameters for the first commitment period of the Kyoto Protocol that has been recorded in the compilation and accounting database for Parties included in Annex I to the Convention that are also Parties to the Kyoto Protocol with commitments inscribed in Annex B to the Kyoto Protocol (Annex B Parties). This information was reported by Parties in their initial reports and in the relevant reports submitted in 2010. The information includes the following:

- (a) Final values of key initial accounting parameters under the Kyoto Protocol;
- (b) Final values for emissions/removals of greenhouse gases (GHGs) in 2008;
- (c) Total quantities of Kyoto Protocol units by account type at the end of 2009 (final values).

2. Further, with a view to presenting the latest available information, annual information reported by Parties in 2011 is provided in this document provisionally, pending the completion of the annual review under Article 8 of the Kyoto Protocol, on the following:

- (a) Total GHG emissions from the sources listed in Annex A to the Kyoto Protocol reported for 2008 and 2009;
- (b) GHG emissions and removals in 2008 and 2009 from land use, land-use change and forestry activities under Article 3, paragraph 3, and from elected activities under Article 3, paragraph 4, of the Kyoto Protocol;
- (c) Transactions and holdings of Kyoto Protocol units as at 31 December 2010.

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

4. The annual information submitted in 2011 will be recorded in the compilation and accounting database after completion of the annual review and resolution of questions of implementation, if any.

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

## II. Australia

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

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

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

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base year emissions <sup>a</sup>	547 699 841	t CO <sub>2</sub> eq
Quantified limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	108	per cent
Assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol for the first commitment period	2 957 579 143	t CO <sub>2</sub> eq
Commitment period reserve after the 2010 annual review	2 661 821 229	t CO <sub>2</sub> eq
Limitation on the additions to and subtractions from Australia's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	0	t CO <sub>2</sub> eq
Limitation on the total of additions to Australia's assigned amount resulting from eligible land use, land-use change and forestry project activities under Article 12 of the Kyoto Protocol	29 575 791	t CO <sub>2</sub> eq
Limit on additional removal units a Party may issue due to cancellations (emissions) under Article 3, paragraph 3, of the Kyoto Protocol	165	Mt CO <sub>2</sub> eq

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

Table 2  
**Australia's emissions/removals of greenhouse gases in 2008 and 2009**

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2008 (final values based on the 2010 submissions)</i>	<i>In 2008 (provisional values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2011 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	549 540 291	550 921 070	545 858 288
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	32 702 750	35 719 254	26 342 035
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	NA	NA	NA

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

Table 3  
**Australia's total quantities of Kyoto Protocol units by account type at the end of 2009 (final values)**

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Party holding	2 957 579 143	NO	NO	NO	NO	NO
Entity holding	NO	NO	NO	NO	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	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>
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	2 957 579 143	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 quantities of Kyoto Protocol units by account type at the end of 2010 (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 certification report	NO	NO	NO	NO		NO
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 5  
**Australia's total transactions of Kyoto Protocol units in 2010 (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	1	NO	NO
Total transactions	NO	NO	NO	1	NO	NO
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	NO	NO	NO
External transactions	NO	NO	NO	1	NO	NO
Total transactions	NO	NO	NO	1	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

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

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

Table 6

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

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base year emissions <sup>a</sup>	79 049 657	t CO <sub>2</sub> eq
Quantified limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	87	per cent
Assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol for the first commitment period	343 866 009	t CO <sub>2</sub> eq
Commitment period reserve after the 2010 annual review	309 479 408	t CO <sub>2</sub> eq
Limitation on the additions to and subtractions from Austria's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	11 550 000	t CO <sub>2</sub> eq
Limitation on the total of additions to Austria's assigned amount resulting from eligible land use, land-use change and forestry project activities under Article 12 of the Kyoto Protocol	3 438 660	t CO <sub>2</sub> eq
Limit on additional removal units a Party may issue due to cancellations (emissions) under Article 3, paragraph 3, of the Kyoto Protocol	165	Mt CO <sub>2</sub> eq

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

Table 7

#### Austria's emissions/removals of greenhouse gases in 2008 and 2009

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2008 (final values based on the 2010 submissions)</i>	<i>In 2008 (provisional values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2011 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	86 640 569	86 960 711	80 058 865
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	-1 307 067	-1 306 998	-1 384 476
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	NA	NA	NA

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

**Table 8**  
**Austria's total quantities of Kyoto Protocol units by account type at the end of 2009**  
**(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	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 quantities of Kyoto Protocol units by account type at the end of 2010**  
**(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	250 266 734	NO	NO	44	NO	NO
Entity holding	46 807 419	1 794 412	NO	10 358 188	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	57 822 680	3 000	NO	1 456 881	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>354 896 833</b>	<b>1 797 412</b>	<b>NO</b>	<b>11 815 113</b>	<b>NO</b>	<b>NO</b>

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



Table 10  
**Austria's total transactions of Kyoto Protocol units in 2010 (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	28 904 225	1 941 965	NO	6 446 252	NO	NO
Total transactions	28 904 225	1 941 965	NO	6 446 252	NO	NO
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	NO	NO	NO
External transactions	26 535 460	975 514	NO	3 326 499	NO	NO
Total transactions	26 535 460	975 514	NO	3 326 499	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.

## IV. Belgium

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

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

Table 11  
**Key initial accounting parameters under the Kyoto Protocol for Belgium (final values)**

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base year emissions <sup>a</sup>	145 728 763	t CO <sub>2</sub> eq
Quantified limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	93	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 2010 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 12  
**Belgium's emissions/removals of greenhouse gases in 2008 and 2009**

Parameter	Emissions/removals of greenhouse gases (t CO <sub>2</sub> eq)		
	In 2008 (final values based on the 2010 submissions)	In 2008 (provisional values based on the 2011 submissions)	In 2009 (provisional values based on the 2011 submissions)
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	133 253 794	135 155 087	124 439 880
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	68 835	-50 884	-54 315
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	NA	NA	NA

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

Table 13  
**Belgium's total quantities of Kyoto Protocol units by account type at the end of 2009 (final values)**

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
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
Total	662 369 652	NO	NO	4 329 535	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 14  
**Belgium's total quantities of Kyoto Protocol units by account type at the end of 2010 (provisional values)**

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding	507 869 624	NO	NO	NO	NO	NO
Entity holding	55 431 183	197 454	NO	3 800 124	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	578	NO	NO

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Retirement	99 533 458	4 000	NO	2 180 260	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
Total	662 834 265	201 454	NO	5 980 962	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 15  
**Belgium's total transactions of Kyoto Protocol units in 2010 (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	19 956 539	657 747	NO	2 496 799	NO	NO
Total transactions	19 956 539	657 747	NO	2 496 799	NO	NO
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	NO	NO	NO
External transactions	19 491 926	456 293	NO	845 372	NO	NO
Total transactions	19 491 926	456 293	NO	845 372	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

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

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

Table 16  
**Key initial accounting parameters under the Kyoto Protocol for Bulgaria (final values)**

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base year emissions <sup>a</sup>	132 618 658	t CO <sub>2</sub> eq
Quantified limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	92	per cent

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol for the first commitment period	610 045 827	t CO <sub>2</sub> eq
Commitment period reserve after the 2010 annual review	375 979 492	t CO <sub>2</sub> eq
Limitation on the additions to and subtractions from Bulgaria's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	6 783 333	t CO <sub>2</sub> eq
Limitation on the total of additions to Bulgaria's assigned amount resulting from eligible land use, land-use change and forestry project activities under Article 12 of the Kyoto Protocol	6 100 458	t CO <sub>2</sub> eq
Limit on additional removal units a Party may issue due to cancellations (emissions) under Article 3, paragraph 3, of the Kyoto Protocol	165	Mt CO <sub>2</sub> eq

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

Table 17  
**Bulgaria's emissions/removals of greenhouse gases in 2008 and 2009**

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2008 (final values based on the 2010 submissions)</i>	<i>In 2008 (provisional values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2011 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	75 195 898	69 032 980	59 496 493
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	-1 093 270	-1 219 746	-1 519 993
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	NA	NA	NA

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

Table 18  
**Bulgaria's total quantities of Kyoto Protocol units by account type at the end of 2009 (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

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
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 quantities of Kyoto Protocol units by account type at the end of 2010 (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	417 743 586	238 735	NO	383 370	NO	NO
Entity holding	30 860 568	NO	NO	174 787	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	69 925 286	NO	NO	NO	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
Total	518 529 440	238 735	NO	558 157	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 20

**Bulgaria's total transactions of Kyoto Protocol units in 2010 (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		3 331 743	NO			
External transactions	570 446	219 024	NO	929 884	NO	NO
Total transactions	570 446	3 550 767	NO	929 884	NO	NO
<i>Subtractions</i>						
Internal transactions	3 331 743	NO	NO	NO	NO	NO
External transactions	88 755 090	3 312 032	NO	371 727	NO	NO
Total transactions	92 086 833	3 312 032	NO	371 727	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

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

15. Tables 21–24 provide detailed information on Canada’s initial accounting parameters under the Kyoto Protocol, its GHG emissions and removals, the holdings of Kyoto Protocol units by account type, and transactions of Kyoto Protocol units. 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. Canada neither transferred nor acquired any Kyoto Protocol units in 2009. Therefore, only the holdings of Kyoto Protocol units by account type at the end of 2010, and transactions of Kyoto Protocol units in 2010 are provided here.

Table 21

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

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base year emissions <sup>a</sup>	593 998 462	t CO <sub>2</sub> eq
Quantified limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	94	per cent
Assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol for the first commitment period	2 791 792 771	t CO <sub>2</sub> eq
Commitment period reserve after the 2010 annual review	2 512 613 494	t CO <sub>2</sub> eq
Limitation on the additions to and subtractions from Canada’s assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	220 000 000	t CO <sub>2</sub> eq
Limitation on the total of additions to Canada’s assigned amount resulting from eligible land use, land-use change and forestry project activities under Article 12 of the Kyoto Protocol	27 917 928	t CO <sub>2</sub> eq
Limit on additional removal units a Party may issue due to cancellations (emissions) under Article 3, paragraph 3, of the Kyoto Protocol	165	Mt CO <sub>2</sub> eq

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

Table 22

**Canada’s emissions/removals of greenhouse gases in 2008 and 2009**

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2008 (final values based on the 2010 submissions)</i>	<i>In 2008 (provisional values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2011 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	734 566 320	733 711 525	691 834 450
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	13 905 766	13 794 762	13 901 977
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	–11 503 326	–11 711 313	–12 405 512

*Abbreviations:* LULUCF = land use, land use change and forestry.

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

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

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

Table 24  
**Canada's total transactions of Kyoto Protocol units in 2010 (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	216 750	NO	NO
<b>Total transactions</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>216 750</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	NO	NO	NO
External transactions	NO	NO	NO	NO	NO	NO
<b>Total transactions</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>

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

## VII. Croatia

16. 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>1</sup> containing questions of implementation relating to the calculation of Croatia's assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol and its commitment period 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

<sup>1</sup> FCCC/IRR/2008/HRV.

branch's preliminary finding of non-compliance with respect to Croatia. Croatia appealed<sup>2</sup> against the final decision of the enforcement branch. The CMP, at its sixth session, considered the appeal but was not able to complete its consideration at that session and decided that the item would be included on the provisional agenda for its seventh session. On 4 August 2011, Croatia withdrew<sup>3</sup> its appeal. The CMP will be invited to consider the withdrawal by Croatia of its appeal against the final decision of the enforcement branch and to take any action it deems appropriate.

## VIII. Czech Republic

17. 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.

18. Tables 25–29 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 25

### 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	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 2010 annual review	707 168 248	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 26

### The Czech Republic's emissions/removals of greenhouse gases in 2008 and 2009

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2008 (final values based on the 2010 submissions)</i>	<i>In 2008 (provisional values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2011 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	141 433 650	141 803 091	133 602 841

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

<sup>3</sup> FCCC/KP/CMP/2011/2.



Parameter	Emissions/removals of greenhouse gases (t CO <sub>2</sub> eq)		
	In 2008 (final values based on the 2010 submissions)	In 2008 (provisional values based on the 2011 submissions)	In 2009 (provisional values based on the 2011 submissions)
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	-111 786	-111 786	-124 482
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-4 413 654	-4 403 993	-6 441 150

Abbreviations: LULUCF = land use, land use change and forestry.

Table 27  
The Czech Republic's total quantities of Kyoto Protocol units by account type at the end of 2009 (final values)

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
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
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	815 162 195	98 637	NO	5 928 890	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 28  
The Czech Republic's total quantities of Kyoto Protocol units by account type at the end of 2010 (provisional values)

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding	698 297 817	98 637	NO	4 870 631	NO	NO
Entity holding	81 232 797	403 031	NO	4 956 118	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	NO	NO	NO	NO	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
Total	779 530 614	501 668	NO	9 826 749	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 29

**The Czech Republic's total transactions of Kyoto Protocol units in 2010 (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		1 355 633	NO			
External transactions	40 059 068	1 184 040	NO	6 751 365	NO	NO
Total transactions	40 059 068	2 539 673	NO	6 751 365	NO	NO
<i>Subtractions</i>						
Internal transactions	1 355 633	NO	NO	NO	NO	NO
External transactions	74 335 016	2 136 642	NO	2 853 506	NO	NO
Total transactions	75 690 649	2 136 642	NO	2 853 506	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.

## IX. Denmark

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

20. Tables 30–34 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 30

**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	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 2010 annual review	249 155 060	t CO <sub>2</sub> eq
Limitation on the additions to and subtractions from Denmark's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	916 667	t CO <sub>2</sub> eq

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
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 31  
**Denmark's emissions/removals of greenhouse gases in 2008 and 2009**

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2008 (final values based on the 2010 submissions)</i>	<i>In 2008 (provisional values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2011 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	64 897 927	64 409 764	61 646 147
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	-206 794	-11 412	-110 572
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	3 042 759	-2 102 469	-1 025 658

*Abbreviations:* LULUCF = land use, land use change and forestry.

Table 32  
**Denmark's total quantities of Kyoto Protocol units by account type at the end of 2009 (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	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 33  
**Denmark's total quantities of Kyoto Protocol units by account type at the end of 2010 (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	207 147 842	4 108 696	NO	447 341	NO	NO
Entity holding	23 415 544	184 668	NO	1 292 555	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	149 207	13 374	NO	72	NO	NO
Retirement	51 493 378	NO	NO	537 973	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>282 205 971</b>	<b>4 306 738</b>	<b>NO</b>	<b>2 277 941</b>	<b>NO</b>	<b>NO</b>

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

Table 34  
**Denmark's total transactions of Kyoto Protocol units in 2010 (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	233 649 660	5 344 875	NO	28 111 141	NO	NO
<b>Total transactions</b>	<b>233 649 660</b>	<b>5 344 875</b>	<b>NO</b>	<b>28 111 141</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	138 813	13 374	NO	72	NO	NO
External transactions	252 272 602	1 376 603	NO	28 008 799	NO	NO
<b>Total transactions</b>	<b>252 411 415</b>	<b>1 389 977</b>	<b>NO</b>	<b>28 008 871</b>	<b>NO</b>	<b>NO</b>

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

## X. Estonia

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

22. Tables 35–39 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 35  
**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	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 2010 annual review	101 355 000	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 36  
**Estonia's emissions/removals of greenhouse gases in 2008 and 2009**

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2008 (final values based on the 2010 submissions)</i>	<i>In 2008 (provisional values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2011 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	20 271 000	20 141 231	16 657 208
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	6 065 984	256 132	235 939
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	NA	NA	NA

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

Table 37  
**Estonia's total quantities of Kyoto Protocol units by account type at the end of 2009 (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	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

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
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 38

**Estonia's total quantities of Kyoto Protocol units by account type at the end of 2010 (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	149 967 364	175 346	NO	NO	NO	NO
Entity holding	3 470 477	22 727	NO	957	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	210 000	NO	NO	NO	NO	NO
Retirement	23 667 710	NO	NO	NO	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>177 315 551</b>	<b>198 073</b>	<b>NO</b>	<b>957</b>	<b>NO</b>	<b>NO</b>

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

Table 39

**Estonia's total transactions of Kyoto Protocol units in 2010 (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		209 527	NO			
External transactions	22 964 195	127 983	NO	NO	NO	NO
<b>Total transactions</b>	<b>22 964 195</b>	<b>337 510</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	419 527	NO	NO	NO	NO	NO
External transactions	41 902 921	184 371	NO	NO	NO	NO
<b>Total transactions</b>	<b>42 322 448</b>	<b>184 371</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>

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

## XI. European Union

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

24. Tables 40–47 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>4</sup> do not include units held in the European Community registry, which are presented in separate tables.

Table 40

### Key initial accounting parameters under the Kyoto Protocol for the EU (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	per cent
Assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol for the first commitment period	19 621 381 509	t CO <sub>2</sub> eq
Commitment period reserve after the 2010 annual review	17 659 243 358	t CO <sub>2</sub> eq
Limitation on the additions to and subtractions from the EU's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	NO	t CO <sub>2</sub> eq
Limitation on the total of additions to the EU's assigned amount resulting from eligible land use, land-use change and forestry project activities under Article 12 of the Kyoto Protocol	NO	t CO <sub>2</sub> eq
Limit on additional removal units a Party may issue due to cancellations (emissions) under Article 3, paragraph 3, of the Kyoto Protocol	NO	Mt CO <sub>2</sub> eq

<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 41

### The EU's emissions/removals of greenhouse gases in 2008 and 2009

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2008 (final values based on the 2010 submissions)</i>	<i>In 2008 (provisional values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2011 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	4 000 086 340	3 997 989 598	3 723 714 417
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	7 904 302	-11 100 016	-14 698 032

<sup>4</sup> At the time of the deposit of its instrument of approval to the Kyoto Protocol on 31 May 2002, the 15 member States of the European Union were Austria, Belgium, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, Netherlands, Portugal, Spain, Sweden and United Kingdom of Great Britain and Northern Ireland.

Parameter	Emissions/removals of greenhouse gases (t CO <sub>2</sub> eq)		
	In 2008 (final values based on the 2010 submissions)	In 2008 (provisional values based on the 2011 submissions)	In 2009 (provisional values based on the 2011 submissions)
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-262 626 815	-272 089 511	-280 284 281

Abbreviations: LULUCF = land use, land use change and forestry.

Table 42  
**Total quantities of Kyoto Protocol units held by the EU-15 at the end of 2009, by account type (final values)**

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
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 43  
**Total quantities of Kyoto Protocol units held in the European Community registry at the end of 2009, by account type (final values)**

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
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



<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
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 44

**Total quantities of Kyoto Protocol units held by the EU-15 at the end of 2010, 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	15 540 167 712	7 897 270	NO	42 660 072	NO	NO
Entity holding	1 865 806 792	13 854 185	NO	138 506 856	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	187 521	19 048	NO	2 117 818	NO	NO
Retirement	2 444 912 266	1 226 339	NO	102 492 442	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
Total	19 851 074 291	22 996 842	NO	285 777 188	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 45

**Total quantities of Kyoto Protocol units held in the European Community registry at the end of 2010, 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	125 516	NO	NO	303 069	NO	NO
Entity holding	NO	NO	NO	NO	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	NO	NO	NO	NO	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
Total	125 516	NO	NO	303 069	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 46

**Total transactions of Kyoto Protocol units carried out by the EU-15 in 2010 (provisional values)**

<i>Transaction type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
<i>Additions</i>						
Internal transactions		2 878 406	NO			
External transactions	256 016 303	22 865 928	NO	160 035 967	NO	NO
Total transactions	256 016 303	25 744 334	NO	160 035 967	NO	NO
<i>Subtractions</i>						
Internal transactions	3 045 378	18 982	NO	936 620	NO	NO
External transactions	173 495 162	6 280 862	NO	93 232 032	NO	NO
Total transactions	176 540 540	6 299 844	NO	94 168 652	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 47

**Total transactions of Kyoto Protocol units carried out by the European Community registry in 2010 (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	633 525	NO	NO	303 069	NO	NO
Total transactions	633 525	NO	NO	303 069	NO	NO
<i>Subtractions</i>						
Internal transactions	508 009	NO	NO	NO	NO	NO
External transactions	NO	NO	NO	NO	NO	NO
Total transactions	508 009	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**

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

26. Tables 48–52 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 48  
**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	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 2010 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 49  
**Finland's emissions/removals of greenhouse gases in 2008 and 2009**

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2008 (final values based on the 2010 submissions)</i>	<i>In 2008 (provisional values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2011 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	70 281 511	70 428 701	66 344 470
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	1 816 047	3 770 922	3 821 146
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-39 891 042	-37 973 054	-50 279 393

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

Table 50  
**Finland's total quantities of Kyoto Protocol units by account type at the end of 2009 (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	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

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Retirement	34 848 375	NO	NO	1 146 106	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>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 51  
**Finland's total quantities of Kyoto Protocol units by account type at the end of 2010 (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	243 699 633	129 710	NO	315 676	NO	NO
Entity holding	41 357 164	302 722	NO	2 208 128	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	330	NO	NO	5 178	NO	NO
Retirement	67 714 647	131 020	NO	2 517 189	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>352 771 774</b>	<b>563 452</b>	<b>NO</b>	<b>5 046 171</b>	<b>NO</b>	<b>NO</b>

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

Table 52  
**Finland's total transactions of Kyoto Protocol units in 2010 (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		71 902	NO			
External transactions	16 460 784	605 544	NO	2 621 262	NO	NO
<b>Total transactions</b>	<b>16 460 784</b>	<b>677 446</b>	<b>NO</b>	<b>2 621 262</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	72 205	NO	NO	3	NO	NO
External transactions	14 422 800	148 378	NO	1 068 975	NO	NO
<b>Total transactions</b>	<b>14 495 005</b>	<b>148 378</b>	<b>NO</b>	<b>1 068 978</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

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

28. Tables 53–57 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 53

#### 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	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 2010 annual review	2 537 663 976	t CO <sub>2</sub> eq
Limitation on the additions to and subtractions from France’s assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	16 133 333	t CO <sub>2</sub> eq
Limitation on the total of additions to France’s assigned amount resulting from eligible land use, land-use change and forestry project activities under Article 12 of the Kyoto Protocol	28 196 266	t CO <sub>2</sub> eq
Limit on additional removal units a Party may issue due to cancellations (emissions) under Article 3, paragraph 3, of the Kyoto Protocol	165	Mt CO <sub>2</sub> eq

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

Table 54

#### France’s emissions/removals of greenhouse gases in 2008 and 2009

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2008 (final values based on the 2010 submissions)</i>	<i>In 2008 (provisional values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2011 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	536 186 184	539 177 933	517 247 888
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	4 987 401	5 014 557	3 208 770
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	–83 821 465	–78 234 683	–72 172 836

*Abbreviations:* LULUCF = land use, land use change and forestry.

Table 55  
**France's total quantities of Kyoto Protocol units by account type at the end of 2009**  
**(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	2 551 675 542	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 56  
**France's total quantities of Kyoto Protocol units by account type at the end of 2010**  
**(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	2 419 900 486	485	NO	NO	NO	NO
Entity holding	215 478 083	919 500	NO	10 946 165	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	3 361	NO	NO	193 201	NO	NO
Retirement	225 215 433	303 637	NO	9 677 815	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>2 860 597 363</b>	<b>1 223 622</b>	<b>NO</b>	<b>20 817 181</b>	<b>NO</b>	<b>NO</b>

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

Table 57  
**France's total transactions of Kyoto Protocol units in 2010 (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		1 485 851	NO			
External transactions	320 752 919	4 730 101	NO	84 848 060	NO	NO
Total transactions	320 752 919	6 215 952	NO	84 848 060	NO	NO
<i>Subtractions</i>						
Internal transactions	1 486 010	NO	NO	117 470	NO	NO
External transactions	347 309 126	5 058 006	NO	77 462 866	NO	NO
Total transactions	348 795 136	5 058 006	NO	77 580 336	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.

## XIV. Germany

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

30. Tables 58–62 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 58  
**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 2010 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 59  
**Germany's emissions/removals of greenhouse gases in 2008 and 2009**

Parameter	Emissions/removals of greenhouse gases (t CO <sub>2</sub> eq)		
	In 2008 (final values based on the 2010 submissions)	In 2008 (provisional values based on the 2011 submissions)	In 2009 (provisional values based on the 2011 submissions)
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	983 714 735	981 111 621	919 698 163
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	16 390 967	-3 396 590	-3 713 550
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-20 331 821	-20 555 933	-20 526 717

Abbreviations: LULUCF = land use, land use change and forestry.

Table 60  
**Germany's total quantities of Kyoto Protocol units by account type at the end of 2009 (final values)**

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
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
Total	4 894 661 079	322 444	NO	65 711 514	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 61  
**Germany's total quantities of Kyoto Protocol units by account type at the end of 2010 (provisional values)**

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding	3 560 634 088	405 458	NO	1 763 593	NO	NO
Entity holding	510 041 389	2 930 093	NO	34 305 426	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		



<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Other cancellation	2 194	5 663	NO	554 726	NO	NO
Retirement	854 569 558	670 990	NO	49 721 049	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>4 925 247 229</b>	<b>4 012 204</b>	<b>NO</b>	<b>86 344 794</b>	<b>NO</b>	<b>NO</b>

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

Table 62

**Germany's total transactions of Kyoto Protocol units in 2010 (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		1 320 653	NO			
External transactions	297 102 669	6 969 297	NO	64 167 793	NO	NO
<b>Total transactions</b>	<b>297 102 669</b>	<b>8 289 950</b>	<b>NO</b>	<b>64 167 793</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	1 321 424	5 597	NO	260 340	NO	NO
External transactions	265 195 866	4 600 190	NO	43 534 513	NO	NO
<b>Total transactions</b>	<b>266 517 290</b>	<b>4 605 787</b>	<b>NO</b>	<b>43 794 853</b>	<b>NO</b>	<b>NO</b>

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

**XV. Greece**

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

32. Tables 63–67 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 63

**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	per cent
Assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol	668 669 806	t CO <sub>2</sub> eq

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
for the first commitment period		
Commitment period reserve after the 2010 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 64  
**Greece's emissions/removals of greenhouse gases in 2008 and 2009**

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2008 (final values based on the 2010 submissions)</i>	<i>In 2008 (provisional values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2011 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	128 519 929	128 736 390	122 724 106
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	-346 746	-346 746	-350 626
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-2 044 821	-2 044 821	-1 944 710

*Abbreviations:* LULUCF = land use, land use change and forestry.

Table 65  
**Greece's total quantities of Kyoto Protocol units by account type at the end of 2009 (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	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
Total	662 403 098	NO	NO	418 890	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 66  
**Greece's total quantities of Kyoto Protocol units by account type at the end of 2010 (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	477 088 963	NO	NO	NO	NO	NO
Entity holding	46 608 666	228	NO	337 158	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	133 166 664	21 114	NO	327 687	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>656 864 293</b>	<b>21 342</b>	<b>NO</b>	<b>664 845</b>	<b>NO</b>	<b>NO</b>

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

Table 67  
**Greece's total transactions of Kyoto Protocol units in 2010 (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	1 464 551	21 342	NO	459 643	NO	NO
<b>Total transactions</b>	<b>1 464 551</b>	<b>21 342</b>	<b>NO</b>	<b>459 643</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	NO	NO	NO
External transactions	7 003 356	NO	NO	213 688	NO	NO
<b>Total transactions</b>	<b>7 003 356</b>	<b>NO</b>	<b>NO</b>	<b>213 688</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

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

34. Tables 68–72 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 68  
**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	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 2010 annual review	367 130 614	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 69  
**Hungary's emissions/removals of greenhouse gases in 2008 and 2009**

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2008 (final values based on the 2010 submissions)</i>	<i>In 2008 (provisional values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2011 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	73 426 123	73 156 346	66 783 945
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	-1 125 095	-1 118 220	-1 072 786
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-2 784 023	-2 784 023	-1 891 824

*Abbreviations:* LULUCF = land use, land use change and forestry.

Table 70  
**Hungary's total quantities of Kyoto Protocol units by account type at the end of 2009 (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	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

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
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 71

**Hungary's total quantities of Kyoto Protocol units by account type at the end of 2010 (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	457 436 897	372 381	NO	2 275 578	NO	NO
Entity holding	10 949 417	373 649	NO	1 713 546	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	318	NO	NO
Retirement	49 638 997	NO	NO	NO	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>518 025 311</b>	<b>746 030</b>	<b>NO</b>	<b>3 989 442</b>	<b>NO</b>	<b>NO</b>

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

Table 72

**Hungary's total transactions of Kyoto Protocol units in 2010 (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		1 352 484	NO			
External transactions	6 765 073	746 030	NO	2 069 756	NO	NO
<b>Total transactions</b>	<b>6 765 073</b>	<b>2 098 514</b>	<b>NO</b>	<b>2 069 756</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	1 352 484	NO	NO	318	NO	NO
External transactions	10 963 402	1 352 484	NO	1 029 934	NO	NO
<b>Total transactions</b>	<b>12 315 886</b>	<b>1 352 484</b>	<b>NO</b>	<b>1 030 252</b>	<b>NO</b>	<b>NO</b>

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

## XVII. Iceland

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

36. Tables 73 and 74 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 2010, Iceland had neither transferred nor acquired any Kyoto Protocol units.

Table 73

### 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	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 2010 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 74

### Iceland's emissions/removals of greenhouse gases in 2008 and 2009

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2008 (final values based on the 2010 submissions)</i>	<i>In 2008 (provisional values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2011 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	4 880 097	4 910 061	4 649 082
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	-101 179	-114 910	-147 234

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2008 (final values based on the 2010 submissions)</i>	<i>In 2008 (provisional values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2011 submissions)</i>
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-548 488	-430 711	-439 383

*Abbreviations:* LULUCF = land use, land use change and forestry.

## XVIII. Ireland

37. Ireland 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 75–79 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 75

### 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	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 2010 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 76

### Ireland's emissions/removals of greenhouse gases in 2008 and 2009

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2008 (final values based on the 2010 submissions)</i>	<i>In 2008 (provisional values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2011 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	67 468 893	67 817 100	62 394 847

Parameter	Emissions/removals of greenhouse gases (t CO <sub>2</sub> eq)		
	In 2008 (final values based on the 2010 submissions)	In 2008 (provisional values based on the 2011 submissions)	In 2009 (provisional values based on the 2011 submissions)
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	-2 641 705	-2 428 402	-2 800 074
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	NA	NA	NA

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

Table 77  
Ireland's total quantities of Kyoto Protocol units by account type at the end of 2009 (final values)

Account type	AAUs	ERUs	RMUs	CERs	tCERs	iCERs
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		
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
Total	314 935 862	NO	NO	7 193 814	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 78  
Ireland's total quantities of Kyoto Protocol units by account type at the end of 2010 (provisional values)

Account type	AAUs	ERUs	RMUs	CERs	tCERs	iCERs
Party holding	253 149 685	NO	NO	NO	NO	NO
Entity holding	21 225 739	722 440	NO	6 387 753	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	490	NO	NO	2 059	NO	NO
Retirement	36 660 229	NO	NO	936 835	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
iCER replacement for expiry	NO	NO	NO	NO		



<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
Total	311 036 143	722 440	NO	7 326 647	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 79

**Ireland's total transactions of Kyoto Protocol units in 2010 (provisional values)**

<i>Transaction type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
<i>Additions</i>						
Internal transactions		NO	NO			
External transactions	5 439 324	722 440	NO	9 241 948	NO	NO
Total transactions	5 439 324	722 440	NO	9 241 948	NO	NO
<i>Subtractions</i>						
Internal transactions	245	NO	NO	2 059	NO	NO
External transactions	9 339 043	NO	NO	9 109 115	NO	NO
Total transactions	9 339 288	NO	NO	9 111 174	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.

**XIX. Italy**

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

40. Tables 80–84 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 80

**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	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 2010 annual review	2 174 650 108	t CO <sub>2</sub> eq
Limitation on the additions to and subtractions from Italy's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	50 966 667	t CO <sub>2</sub> eq
Limitation on the total of additions to Italy's assigned amount resulting from	24 162 779	t CO <sub>2</sub> eq

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
eligible land use, land-use change and forestry project activities under Article 12 of the Kyoto Protocol		
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 81

**Italy's emissions/removals of greenhouse gases in 2008 and 2009**

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2008 (final values based on the 2010 submissions)</i>	<i>In 2008 (provisional values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2011 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	541 485 364	541 748 899	491 119 579
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	-1 331 602	-5 940 329	-6 320 274
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-50 730 651	-51 120 261	-48 451 176

*Abbreviations:* LULUCF = land use, land use change and forestry.

Table 82

**Italy's total quantities of Kyoto Protocol units by account type at the end of 2009 (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	2 215 257 469	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 83  
**Italy's total quantities of Kyoto Protocol units by account type at the end of 2010**  
**(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	2 185 496 062	287 848	NO	15 698 709	NO	NO
Entity holding	230 840 741	2 158	NO	19 175 903	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	NO	NO	NO	NO	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>2 416 336 803</b>	<b>290 006</b>	<b>NO</b>	<b>34 874 612</b>	<b>NO</b>	<b>NO</b>

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

Table 84  
**Italy's total transactions of Kyoto Protocol units in 2010 (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	182 734 218	1 340 006	NO	20 643 648	NO	NO
<b>Total transactions</b>	<b>182 734 218</b>	<b>1 340 006</b>	<b>NO</b>	<b>20 643 648</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	NO	NO	NO
External transactions	192 778 696	1 050 000	NO	13 493 232	NO	NO
<b>Total transactions</b>	<b>192 778 696</b>	<b>1 050 000</b>	<b>NO</b>	<b>13 493 232</b>	<b>NO</b>	<b>NO</b>

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

## XX. Japan

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

42. Tables 85–89 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 85  
**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	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 2010 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 86  
**Japan's emissions/removals of greenhouse gases in 2008 and 2009**

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2008 (final values based on the 2010 submissions)</i>	<i>In 2008 (provisional values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2011 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	1 281 883 873	1 280 619 851	1 209 213 167
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	2 039 128	2 039 767	2 671 426
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-46 105 107	-46 118 524	-49 760 577

*Abbreviations:* LULUCF = land use, land use change and forestry.

Table 87  
**Japan's total quantities of Kyoto Protocol units by account type at the end of 2009 (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	5 929 538 475	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

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
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 88

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

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

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

Table 89

**Japan's total transactions of Kyoto Protocol units in 2010 (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	59 520 180	2 046 575	NO	28 193 213	NO	NO
<b>Total transactions</b>	<b>59 520 180</b>	<b>2 046 575</b>	<b>NO</b>	<b>28 193 213</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	NO	NO	NO
External transactions	1	309 008	NO	7 977 623	NO	NO
<b>Total transactions</b>	<b>1</b>	<b>309 008</b>	<b>NO</b>	<b>7 977 623</b>	<b>NO</b>	<b>NO</b>

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

## XXI. Latvia

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

44. Tables 90–94 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 90

### 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	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 2010 annual review	59 705 091	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 91

### Latvia's emissions/removals of greenhouse gases in 2008 and 2009

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2008 (final values based on the 2010 submissions)</i>	<i>In 2008 (provisional values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2011 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	11 941 018	11 918 190	10 722 742
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	1 234 295	551 896	349 687
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-23 595 258	-23 598 815	-21 102 106

*Abbreviations:* LULUCF = land use, land use change and forestry.

Table 92  
**Latvia's total quantities of Kyoto Protocol units by account type at the end of 2009**  
**(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	76 211 269	NO	NO	NO	NO	NO
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
<b>Total</b>	<b>81 805 152</b>	<b>NO</b>	<b>NO</b>	<b>352 000</b>	<b>NO</b>	<b>NO</b>

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

Table 93  
**Latvia's total quantities of Kyoto Protocol units by account type at the end of 2010**  
**(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	78 193 510	NO	NO	NO	NO	NO
Entity holding	3 667 598	NO	NO	33 858	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	4 640 629	9 215	NO	582 871	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>86 501 737</b>	<b>9 215</b>	<b>NO</b>	<b>616 729</b>	<b>NO</b>	<b>NO</b>

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

Table 94  
**Latvia's total transactions of Kyoto Protocol units in 2010 (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	21 288 603	9 215	NO	574 729	NO	NO
Total transactions	21 288 603	9 215	NO	574 729	NO	NO
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	NO	NO	NO
External transactions	16 592 018	NO	NO	310 000	NO	NO
Total transactions	16 592 018	NO	NO	310 000	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.

## XXII. Liechtenstein

45. Liechtenstein 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 95–99 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 95  
**Key initial accounting parameters under the Kyoto Protocol for Liechtenstein (final values)**

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base year emissions <sup>a</sup>	229 483	t CO <sub>2</sub> eq
Quantified limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	92	per cent
Assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol for the first commitment period	1 055 623	t CO <sub>2</sub> eq
Commitment period reserve after the 2010 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 96  
**Liechtenstein's emissions/removals of greenhouse gases in 2008 and 2009**

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2008 (final values based on the 2010 submissions)</i>	<i>In 2008 (provisional values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2011 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	263 383	263 401	247 403
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	-8 221	-2 848	-2 789
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	NA	NA	NA

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

Table 97  
**Liechtenstein's total quantities of Kyoto Protocol units by account type at the end of 2009 (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	1 034 907	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
Total	1 055 623	NO	NO	29 375	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 98  
**Liechtenstein's total quantities of Kyoto Protocol units by account type at the end of 2010 (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	1 030 664	NO	NO	70 000	NO	NO
Entity holding	40 475 977	NO	NO	9 375	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Retirement	NO	NO	NO	NO	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>41 506 641</b>	<b>NO</b>	<b>NO</b>	<b>79 375</b>	<b>NO</b>	<b>NO</b>

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

Table 99

**Liechtenstein's total transactions of Kyoto Protocol units in 2010 (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	95 861 596	1 210 121	NO	1 900 400	NO	NO
<b>Total transactions</b>	<b>95 861 596</b>	<b>1 210 121</b>	<b>NO</b>	<b>1 900 400</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	NO	NO	NO
External transactions	55 410 578	1 210 121	NO	1 850 400	NO	NO
<b>Total transactions</b>	<b>55 410 578</b>	<b>1 210 121</b>	<b>NO</b>	<b>1 850 400</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

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

48. Tables 100–104 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 100

**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	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 2010 annual review	121 959 900	t CO <sub>2</sub> eq

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
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 101  
**Lithuania's emissions/removals of greenhouse gases in 2008 and 2009**

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2008 (final values based on the 2010 submissions)</i>	<i>In 2008 (provisional values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2011 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	24 326 997	24 630 554	20 390 410
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	NA	149 563	196 167
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	NA	-4 163 536	-4 010 039

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

Table 102  
**Lithuania's total quantities of Kyoto Protocol units by account type at the end of 2009 (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	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 103  
**Lithuania's total quantities of Kyoto Protocol units by account type at the end of 2010 (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	202 353 017	NO	NO	NO	NO	NO
Entity holding	3 963 710	512 342	NO	771 357	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	9 880 407	461 637	NO	1 550 891	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
Total	216 197 134	973 979	NO	2 322 248	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 104  
**Lithuania's total transactions of Kyoto Protocol units in 2010 (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		1 625 389	NO			
External transactions	3 603 211	973 979	NO	2 042 899	NO	NO
Total transactions	3 603 211	2 599 368	NO	2 042 899	NO	NO
<i>Subtractions</i>						
Internal transactions	1 625 389	NO	NO	NO	NO	NO
External transactions	6 861 142	1 734 690	NO	337 000	NO	NO
Total transactions	8 486 531	1 734 690	NO	337 000	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.

## XXIV. Luxembourg

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

50. Tables 105–109 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 105

**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	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 2010 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 106

**Luxembourg's emissions/removals of greenhouse gases in 2008 and 2009**

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2008 (final values based on the 2010 submissions)</i>	<i>In 2008 (provisional values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2011 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	12 493 938	12 259 774	11 684 385
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	64 517	64 517	63 364
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	NA	NA	NA

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

Table 107

**Luxembourg's total quantities of Kyoto Protocol units by account type at the end of 2009 (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	44 438 433	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 108

**Luxembourg's total quantities of Kyoto Protocol units by account type at the end of 2010 (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	42 009 222	24 138	NO	1 483 909	NO	NO
Entity holding	2 806 843	NO	NO	246 416	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	4 170 237	NO	NO	110 352	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>48 986 302</b>	<b>24 138</b>	<b>NO</b>	<b>1 840 677</b>	<b>NO</b>	<b>NO</b>

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

Table 109

**Luxembourg's total transactions of Kyoto Protocol units in 2010 (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	2 697 500	24 138	NO	890 992	NO	NO
<b>Total transactions</b>	<b>2 697 500</b>	<b>24 138</b>	<b>NO</b>	<b>890 992</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	NO	NO	NO
External transactions	798 098	NO	NO	54 858	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	798 098	NO	NO	54 858	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.

## XXV. Monaco

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

52. Tables 110 and 111 provide detailed information on Monaco's initial accounting parameters under the Kyoto Protocol and its GHG emissions and removals. In accordance with the annex to decision 14/CMP.1, each Annex B Party is required to submit SEF tables in the year following the calendar year in which the Party first transferred or acquired Kyoto Protocol units. As at 31 December 2010, Monaco had neither transferred nor acquired any Kyoto Protocol units.

Table 110

### 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	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 2010 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 111

### Monaco's emissions/removals of greenhouse gases in 2008 and 2009

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2008 (final values based on the 2010 submissions)</i>	<i>In 2008 (provisional values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2011 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	95 499	95 574	90 939

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2008 (final values based on the 2010 submissions)</i>	<i>In 2008 (provisional values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2011 submissions)</i>
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	NA	NA	NA
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	NA	NA	NA

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

## XXVI. Netherlands

53. 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.

54. Tables 112–116 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 112

### 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	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 2010 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 113  
**Netherlands's emissions/removals of greenhouse gases in 2008 and 2009**

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2008 (final values based on the 2010 submissions)</i>	<i>In 2008 (provisional values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2011 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	206 916 556	204 601 166	198 871 587
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	233 772	336 957	296 119
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	NA	NA	NA

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

Table 114  
**Netherlands's total quantities of Kyoto Protocol units by account type at the end of 2009 (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	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
Total	1 011 775 096	1 037 208	NO	17 241 136	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 115  
**Netherlands's total quantities of Kyoto Protocol units by account type at the end of 2010 (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	626 814 684	2 602 173	NO	15 103 900	NO	NO
Entity holding	115 303 838	1 168 575	NO	5 730 632	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Other cancellation	500	NO	NO	1 020	NO	NO
Retirement	287 982 275	NO	NO	NO	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>1 030 101 297</b>	<b>3 770 748</b>	<b>NO</b>	<b>20 835 552</b>	<b>NO</b>	<b>NO</b>

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

Table 116  
**Netherlands's total transactions of Kyoto Protocol units in 2010 (provisional values)**

<i>Transaction type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
<i>Additions</i>						
Internal transactions		NO	NO			
External transactions	170 114 509	7 224 084	NO	53 694 569	NO	NO
<b>Total transactions</b>	<b>170 114 509</b>	<b>7 224 084</b>	<b>NO</b>	<b>53 694 569</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	500	NO	NO	1 000	NO	NO
External transactions	151 788 308	4 490 544	NO	50 100 153	NO	NO
<b>Total transactions</b>	<b>151 788 808</b>	<b>4 490 544</b>	<b>NO</b>	<b>50 101 153</b>	<b>NO</b>	<b>NO</b>

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

## XXVII. New Zealand

55. 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.

56. Tables 117–121 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 117  
**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	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

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Commitment period reserve after the 2010 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 118  
New Zealand's emissions/removals of greenhouse gases in 2008 and 2009

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2008 (final values based on the 2010 submissions)</i>	<i>In 2008 (provisional values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2011 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	75 152 678	72 845 157	70 563 804
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	-14 416 784	-17 098 669	-17 268 419
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	NA	NA	NA

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

Table 119  
New Zealand's total quantities of Kyoto Protocol units by account type at the end of 2009 (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	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
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	308 377 715	48 098	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 120  
**New Zealand's total quantities of Kyoto Protocol units by account type at the end of 2010 (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	307 098 445	NO	NO	NO	NO	NO
Entity holding	158 292	20 328	NO	530 220	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	2 689	NO	NO	800	NO	NO
Retirement	NO	NO	NO	NO	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>307 259 426</b>	<b>20 328</b>	<b>NO</b>	<b>531 020</b>	<b>NO</b>	<b>NO</b>

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

Table 121  
**New Zealand's total transactions of Kyoto Protocol units in 2010 (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		399 880	NO			
External transactions	1	20 000	NO	621 002	NO	NO
<b>Total transactions</b>	<b>1</b>	<b>419 880</b>	<b>NO</b>	<b>621 002</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	402 569	NO	NO	NO	NO	NO
External transactions	718 410	447 650	NO	100 090	NO	NO
<b>Total transactions</b>	<b>1 120 979</b>	<b>447 650</b>	<b>NO</b>	<b>100 090</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

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

58. Tables 122–126 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 122  
**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	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 2010 annual review	225 519 117	t CO <sub>2</sub> eq
Limitation on the additions to and subtractions from Norway's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	7 333 333	t CO <sub>2</sub> eq
Limitation on the total of additions to Norway's assigned amount resulting from eligible land use, land-use change and forestry project activities under Article 12 of the Kyoto Protocol	2 505 768	t CO <sub>2</sub> eq
Limit on additional removal units a Party may issue due to cancellations (emissions) under Article 3, paragraph 3, of the Kyoto Protocol	165	Mt CO <sub>2</sub> eq

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

Table 123  
**Norway's emissions/removals of greenhouse gases in 2008 and 2009**

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2008 (final values based on the 2010 submissions)</i>	<i>In 2008 (provisional values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2011 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	54 407 796	53 747 878	51 292 431
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	-196 568	778 904	382 533
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-30 807 609	-37 613 319	-27 853 130

*Abbreviations:* LULUCF = land use, land use change and forestry.

Table 124  
**Norway's total quantities of Kyoto Protocol units by account type at the end of 2009 (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	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

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
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
<b>Total</b>	<b>251 553 247</b>	<b>24 732</b>	<b>NO</b>	<b>1 287 169</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 125

**Norway's total quantities of Kyoto Protocol units by account type at the end of 2010 (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	209 331 913	87 663	NO	591 133	NO	NO
Entity holding	16 700 320	135 632	NO	4 135 693	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	24 929	NO	NO	4 715	NO	NO
Retirement	37 816 076	205 382	NO	537 881	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>263 873 238</b>	<b>428 677</b>	<b>NO</b>	<b>5 269 422</b>	<b>NO</b>	<b>NO</b>

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

Table 126

**Norway's total transactions of Kyoto Protocol units in 2010 (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	25 897 514	403 945	NO	6 079 380	NO	NO
<b>Total transactions</b>	<b>25 897 514</b>	<b>403 945</b>	<b>NO</b>	<b>6 079 380</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	9 073	NO	NO	3 499	NO	NO
External transactions	13 577 523	NO	NO	2 097 127	NO	NO
<b>Total transactions</b>	<b>13 586 596</b>	<b>NO</b>	<b>NO</b>	<b>2 100 626</b>	<b>NO</b>	<b>NO</b>

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

## XXIX. Poland

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

60. Tables 127–131 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 127

### 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	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 2010 annual review	1 985 230 315	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 128

### Poland's emissions/removals of greenhouse gases in 2008 and 2009

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2008 (final values based on the 2010 submissions)</i>	<i>In 2008 (provisional values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2011 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	397 046 063	400 041 037	383 224 704
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	-3 654 052	-6 478 952	-6 934 470
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-46 865 159	-42 761 372	-44 742 208

*Abbreviations:* LULUCF = land use, land use change and forestry.

Table 129  
**Poland's total quantities of Kyoto Protocol units by account type at the end of 2009**  
**(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	2 446 176 058	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 130  
**Poland's total quantities of Kyoto Protocol units by account type at the end of 2010**  
**(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	2 027 563 373	73 673	NO	500 000	NO	NO
Entity holding	188 178 126	1 943 728	NO	9 064 894	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	379 707 621	245 165	NO	14 927 693	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>2 595 449 120</b>	<b>2 262 566</b>	<b>NO</b>	<b>24 492 587</b>	<b>NO</b>	<b>NO</b>

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



Table 131  
**Poland's total transactions of Kyoto Protocol units in 2010 (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		3 886 344	NO			
External transactions	24 545 108	2 244 534	NO	15 101 585	NO	NO
Total transactions	24 545 108	6 130 878	NO	15 101 585	NO	NO
<i>Subtractions</i>						
Internal transactions	3 886 344	NO	NO	NO	NO	NO
External transactions	48 607 084	3 869 202	NO	1 628 818	NO	NO
Total transactions	52 493 428	3 869 202	NO	1 628 818	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

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

62. Tables 132–136 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 132  
**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	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 2010 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 133  
**Portugal's emissions/removals of greenhouse gases in 2008 and 2009**

Parameter	Emissions/removals of greenhouse gases (t CO <sub>2</sub> eq)		
	In 2008 (final values based on the 2010 submissions)	In 2008 (provisional values based on the 2011 submissions)	In 2009 (provisional values based on the 2011 submissions)
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	78 381 074	78 023 364	74 660 286
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	4 134 533	-1 224 115	-1 312 651
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	2 441 267	-9 293 498	-9 996 846

Abbreviations: LULUCF = land use, land use change and forestry.

Table 134  
**Portugal's total quantities of Kyoto Protocol units by account type at the end of 2009 (final values)**

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
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
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	378 502 751	NO	NO	4 267 740	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 135  
**Portugal's total quantities of Kyoto Protocol units by account type at the end of 2010 (provisional values)**

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding	289 503 297	NO	NO	NO	NO	NO
Entity holding	27 578 188	5 000	NO	3 206 403	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Retirement	54 702 713	NO	NO	3 512 905	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>371 784 198</b>	<b>5 000</b>	<b>NO</b>	<b>6 719 308</b>	<b>NO</b>	<b>NO</b>

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

Table 136

**Portugal's total transactions of Kyoto Protocol units in 2010 (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	6 349 425	5 000	NO	5 398 909	NO	NO
<b>Total transactions</b>	<b>6 349 425</b>	<b>5 000</b>	<b>NO</b>	<b>5 398 909</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	NO	NO	NO
External transactions	13 067 978	NO	NO	2 947 341	NO	NO
<b>Total transactions</b>	<b>13 067 978</b>	<b>NO</b>	<b>NO</b>	<b>2 947 341</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**

63. Romania became eligible to participate in all the flexibility mechanisms under the Kyoto Protocol on 18 September 2008. However, on 27 August 2011, the enforcement branch suspended Romania's eligibility pending the resolution of the question of implementation relating to its national system.

64. Tables 137–141 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 137

**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	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

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Commitment period reserve after the 2010 annual review	764 754 207	t CO <sub>2</sub> eq
Limitation on the additions to and subtractions from Romania's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	20 166 667	t CO <sub>2</sub> eq
Limitation on the total of additions to Romania's assigned amount resulting from eligible land use, land-use change and forestry project activities under Article 12 of the Kyoto Protocol	12 798 351	t CO <sub>2</sub> eq
Limit on additional removal units a Party may issue due to cancellations (emissions) under Article 3, paragraph 3, of the Kyoto Protocol	165	Mt CO <sub>2</sub> eq

Table 138

**Romania's emissions/removals of greenhouse gases in 2008 and 2009**

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2008 (final values based on the 2010 submissions)</i>	<i>In 2008 (provisional values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2011 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	152 950 841	149 899 007	128 745 915
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	-197 775	1 040 910	-149 814
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-36 247 464	-22 974 757	-23 080 911

*Abbreviations:* LULUCF = land use, land use change and forestry.

Table 139

**Romania's total quantities of Kyoto Protocol units by account type at the end of 2009 (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	1 135 305 593	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 140  
**Romania's total quantities of Kyoto Protocol units by account type at the end of 2010 (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	1 058 353 551	95 977	NO	NO	NO	NO
Entity holding	50 206 314	269 132	NO	2 392 069	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	108 112 780	328 484	NO	4 293 732	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
Total	1 216 672 645	693 593	NO	6 685 801	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 141  
**Romania's total transactions of Kyoto Protocol units in 2010 (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		422 159	NO			
External transactions	24 566 842	667 312	NO	6 560 256	NO	NO
Total transactions	24 566 842	1 089 471	NO	6 560 256	NO	NO
<i>Subtractions</i>						
Internal transactions	422 159	NO	NO	NO	NO	NO
External transactions	51 239 233	426 052	NO	1 197 409	NO	NO
Total transactions	51 661 392	426 052	NO	1 197 409	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

65. 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.

66. Tables 142–146 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 142

**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	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 2010 annual review	11 199 765 202	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 143

**The Russian Federation’s emissions/removals of greenhouse gases in 2008 and 2009**

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2008 (final values based on the 2010 submissions)</i>	<i>In 2008 (provisional values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2011 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	2 239 953 040	2 243 477 718	2 127 354 394
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	22 513 622	18 317 639	15 024 765
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	–462 469 007	–474 214 721	–534 567 753

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

Table 144

**The Russian Federation’s total quantities of Kyoto Protocol units by account type at the end of 2009 (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

<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>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 145

**The Russian Federation's total quantities of Kyoto Protocol units by account type at the end of 2010 (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	16 587 095 319	NO	NO	NO	NO	NO
Entity holding	25 793 601	NO	NO	NO	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	NO	NO	NO	NO	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>16 612 888 920</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>

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

Table 146

**Russian Federation's total transactions of Kyoto Protocol units in 2010 (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		4 206 399	NO			
External transactions	NO	NO	NO	NO	NO	NO
<b>Total transactions</b>	<b>NO</b>	<b>4 206 399</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	4 206 399	NO	NO	NO	NO	NO
External transactions	NO	4 206 399	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	4 206 399	4 206 399	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

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

68. Tables 147–151 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 147

#### 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	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 2010 annual review	244 995 049	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 148

#### Slovakia’s emissions/removals of greenhouse gases in 2008 and 2009

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2008 (final values based on the 2010 submissions)</i>	<i>In 2008 (provisional values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2011 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	48 999 010	48 195 211	43 393 099



Parameter	Emissions/removals of greenhouse gases (t CO <sub>2</sub> eq)		
	In 2008 (final values based on the 2010 submissions)	In 2008 (provisional values based on the 2011 submissions)	In 2009 (provisional values based on the 2011 submissions)
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	1 350 580	-272 290	-189 124
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	NA	NA	NA

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

Table 149  
Slovakia's total quantities of Kyoto Protocol units by account type at the end of 2009 (final values)

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding	275 198 460	NO	NO	2 115 087	NO	NO
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 150  
Slovakia's total quantities of Kyoto Protocol units by account type at the end of 2010 (provisional values)

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding	218 043 715	NO	NO	NO	NO	NO
Entity holding	27 880 202	18 596	NO	1 114 039	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	43 587 588	NO	NO	3 344 328	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
Total	289 511 505	18 596	NO	4 458 367	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 151  
**Slovakia's total transactions of Kyoto Protocol units in 2010 (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	3 162 508	18 596	NO	1 588 931	NO	NO
Total transactions	3 162 508	18 596	NO	1 588 931	NO	NO
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	NO	NO	NO
External transactions	12 468 374	NO	NO	103 013	NO	NO
Total transactions	12 468 374	NO	NO	103 013	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

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

70. Tables 152–156 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 152  
**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
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	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 2010 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

<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 153  
**Slovenia's emissions/removals of greenhouse gases in 2008 and 2009**

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2008 (final values based on the 2010 submissions)</i>	<i>In 2008 (provisional values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2011 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	21 284 834	21 366 115	19 435 745
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	2 456 816	147 412	331 431
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-10 307 572	-10 306 656	-10 292 646

*Abbreviations:* LULUCF = land use, land use change and forestry.

Table 154  
**Slovenia's total quantities of Kyoto Protocol units by account type at the end of 2009 (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	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
Total	92 695 894	NO	NO	1 205 203	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 155  
Slovenia's total quantities of Kyoto Protocol units by account type at the end of 2010  
(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	68 978 470	NO	NO	NO	NO	NO
Entity holding	7 428 213	127 005	NO	147 048	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	15 595 572	169 605	NO	1 165 067	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
Total	92 002 255	296 610	NO	1 312 115	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 156  
Slovenia's total transactions of Kyoto Protocol units in 2010 (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	331 407	315 610	NO	607 745	NO	NO
Total transactions	331 407	315 610	NO	607 745	NO	NO
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	NO	NO	NO
External transactions	1 025 046	19 000	NO	500 833	NO	NO
Total transactions	1 025 046	19 000	NO	500 833	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.

## XXXV. Spain

71. Spain 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 157–161 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 157  
**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	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 2010 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 158  
**Spain's emissions/removals of greenhouse gases in 2008 and 2009**

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2008 (final values based on the 2010 submissions)</i>	<i>In 2008 (provisional values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2011 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	408 763 090	404 770 514	367 548 424
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	-10 085 966	-6 290 402	-6 405 611
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-42 194 172	-22 167 016	-21 563 810

*Abbreviations:* LULUCF = land use, land use change and forestry.

Table 159  
**Spain's total quantities of Kyoto Protocol units by account type at the end of 2009 (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	1 363 394 375	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

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Retirement	1 63 437 167	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
<b>Total</b>	<b>1 654 196 491</b>	<b>131 370</b>	<b>NO</b>	<b>36 490 326</b>	<b>NO</b>	<b>NO</b>

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

Table 160  
**Spain's total quantities of Kyoto Protocol units by account type at the end of 2010 (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	1 242 157 685	108 989	NO	3 006 333	NO	NO
Entity holding	119 143 623	1 742 544	NO	13 561 393	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	714	11	NO	NO	NO	NO
Retirement	274 433 603	44 240	NO	25 886 418	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>1 635 735 625</b>	<b>1 895 784</b>	<b>NO</b>	<b>42 454 144</b>	<b>NO</b>	<b>NO</b>

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

Table 161  
**Spain's total transactions of Kyoto Protocol units in 2010 (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	42 142 441	2 411 773	NO	23 203 493	NO	NO
<b>Total transactions</b>	<b>42 142 441</b>	<b>2 411 773</b>	<b>NO</b>	<b>23 203 493</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	53	11	NO	NO	NO	NO
External transactions	60 603 307	647 359	NO	17 239 675	NO	NO
<b>Total transactions</b>	<b>60 603 360</b>	<b>647 370</b>	<b>NO</b>	<b>17 239 675</b>	<b>NO</b>	<b>NO</b>

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

## XXXVI. Sweden

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

74. Tables 162–166 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 162

### 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	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 2010 annual review	321 354 810	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 163

### Sweden's emissions/removals of greenhouse gases in 2008 and 2009

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2008 (final values based on the 2010 submissions)</i>	<i>In 2008 (provisional values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2011 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	64 270 962	63 644 176	60 068 818
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	820 860	2 769 407	2 540 911
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-18 398 517	-37 887 321	-44 526 702

*Abbreviations:* LULUCF = land use, land use change and forestry.

Table 164  
**Sweden's total quantities of Kyoto Protocol units by account type at the end of 2009**  
**(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	332 606 035	NO	NO	NO	NO	NO
Entity holding	17 579 757	10 389	NO	1 305 736	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	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 165  
**Sweden's total quantities of Kyoto Protocol units by account type at the end of 2010**  
**(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	309 088 882	NO	NO	NO	NO	NO
Entity holding	24 315 524	145 848	NO	1 551 064	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	17 292	NO	NO	238 269	NO	NO
Retirement	36 592 417	NO	NO	1 021 959	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>370 014 115</b>	<b>145 848</b>	<b>NO</b>	<b>2 811 292</b>	<b>NO</b>	<b>NO</b>

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



Table 166  
**Sweden's total transactions of Kyoto Protocol units in 2010 (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	21 864 507	504 364	NO	5 054 417	NO	NO
Total transactions	21 864 507	504 364	NO	5 054 417	NO	NO
<i>Subtractions</i>						
Internal transactions	15 192	NO	NO	43 957	NO	NO
External transactions	21 547 352	368 905	NO	4 335 470	NO	NO
Total transactions	21 562 544	368 905	NO	4 379 427	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.

## XXXVII. Switzerland

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

76. Tables 167–171 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 167  
**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 Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	92	per cent
Assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol for the first commitment period	242 838 402	t CO <sub>2</sub> eq
Commitment period reserve after the 2010 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 168  
**Switzerland's emissions/removals of greenhouse gases in 2008 and 2009**

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2008 (final values based on the 2010 submissions)</i>	<i>In 2008 (provisional values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2011 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	53 403 096	53 442 733	51 948 867
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	137 344	241 400	241 373
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-854 106	-683 774	-1 155 544

*Abbreviations:* LULUCF = land use, land use change and forestry.

Table 169  
**Switzerland's total quantities of Kyoto Protocol units by account type at the end of 2009 (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	236 337 038	NO	NO	NO	NO	NO
Entity holding	46 635 384 1 551 318	NO	13 415 793	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	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
Total	282 972 422 1 551 318	NO	13 675 032	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 170  
**Switzerland's total quantities of Kyoto Protocol units by account type at the end of 2010 (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	232 923 177	NO	NO	3 692	NO	NO
Entity holding	80 041 869 5 273 555	NO	11 828 733	NO	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	12	NO	NO	455 997	NO	NO
Retirement	NO	NO	NO	NO	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>312 965 058</b>	<b>5 273 555</b>	<b>NO</b>	<b>12 288 422</b>	<b>NO</b>	<b>NO</b>

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

Table 171

**Switzerland's total transactions of Kyoto Protocol units in 2010 (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	62 533 288	13 831 338	NO	89 445 539	NO	NO
<b>Total transactions</b>	<b>62 533 288</b>	<b>13 831 338</b>	<b>NO</b>	<b>89 445 539</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	12	NO	NO	196 758	NO	NO
External transactions	32 540 652	10 109 101	NO	90 832 149	NO	NO
<b>Total transactions</b>	<b>32 540 664</b>	<b>10 109 101</b>	<b>NO</b>	<b>91 028 907</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**

77. Ukraine became eligible to participate in all the flexibility mechanisms under the Kyoto Protocol on 29 April 2008. However, on 12 October 2011, the enforcement branch suspended Ukraine's eligibility pending the resolution of the question of implementation relating to its national system.

78. Tables 172–176 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 172

**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	per cent
Assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol	4 604 184 663	t CO <sub>2</sub> eq

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
for the first commitment period		
Commitment period reserve after the 2010 annual review	2 144 737 386	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 173

**Ukraine's emissions/removals of greenhouse gases in 2008 and 2009**

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2008 (final values based on the 2010 submissions)</i>	<i>In 2008 (provisional values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2011 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	428 947 477	432 179 203	374 119 680
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	-1 609 152	2 563 520	3 501 951
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-47 718 084	-53 298 024	-55 158 759

*Abbreviations:* LULUCF = land use, land use change and forestry.

Table 174

**Ukraine's total quantities of Kyoto Protocol units by account type at the end of 2009 (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	4 544 470 899	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 175

**Ukraine's total quantities of Kyoto Protocol units by account type at the end of 2010 (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	4 513 865 076	NO	NO	NO	NO	NO
Entity holding	NO	NO	NO	NO	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	NO	NO	NO	NO	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
Total	4 513 865 076	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 176

**Ukraine's total transactions of Kyoto Protocol units in 2010 (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		11 286 616	NO			
External transactions	NO	237 107	NO	NO	NO	NO
Total transactions	NO	11 523 723	NO	NO	NO	NO
<i>Subtractions</i>						
Internal transactions	11 286 616	NO	NO	NO	NO	NO
External transactions	19 319 207	11 523 723	NO	NO	NO	NO
Total transactions	30 605 823	11 523 723	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

79. 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.

80. Tables 177–181 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 177

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

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base year emissions <sup>a</sup>	779 904 144	t CO <sub>2</sub> eq
Quantified limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	88	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 2010 annual review	3 070 872 567	t CO <sub>2</sub> eq
Limitation on the additions to and subtractions from the United Kingdom’s assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	6 783 333	t CO <sub>2</sub> eq
Limitation on the total of additions to the United Kingdom’s assigned amount resulting from eligible land use, land-use change and forestry project activities under Article 12 of the Kyoto Protocol	34 120 806	t CO <sub>2</sub> eq
Limit on additional removal units a Party may issue due to cancellations (emissions) under Article 3, paragraph 3, of the Kyoto Protocol	165	Mt CO <sub>2</sub> eq

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

Table 178

**The United Kingdom’s emissions/removals of greenhouse gases in 2008 and 2009**

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2008 (final values based on the 2010 submissions)</i>	<i>In 2008 (provisional values based on the 2011 submissions)</i>	<i>In 2009 (provisional values based on the 2011 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	633 206 211	624 083 048	570 066 414
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	-2 080 165	-2 059 277	-2 174 938
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-10 698 386	-10 710 648	-9 797 919

*Abbreviations:* LULUCF = land use, land use change and forestry.

Table 179

**The United Kingdom’s total quantities of Kyoto Protocol units by account type at the end of 2009 (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	2 956 145 800	NO	NO	23 301	NO	NO
Entity holding	239 617 021	714 134	NO	19 466 508	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	2 497	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 180

**The United Kingdom's total quantities of Kyoto Protocol units by account type at the end of 2010 (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	2 925 376 964	229 773	NO	4 840 567	NO	NO
Entity holding	385 416 709	3 738 543	NO	25 403 088	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	13 433	NO	NO	1 122 715	NO	NO
Retirement	260 854 974	48 338	NO	4 605 119	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>3 571 662 080</b>	<b>4 016 654</b>	<b>NO</b>	<b>35 971 489</b>	<b>NO</b>	<b>NO</b>

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

Table 181

**The United Kingdom's total transactions of Kyoto Protocol units in 2010 (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	579 540 623	16 586 606	NO	153 759 889	NO	NO
<b>Total transactions</b>	<b>579 540 623</b>	<b>16 586 606</b>	<b>NO</b>	<b>153 759 889</b>	<b>NO</b>	<b>NO</b>

*Subtractions*

<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	10 936	NO	NO	511 719	NO	NO
External transactions	464 498 835	13 332 424	NO	142 494 324	NO	NO
Total transactions	464 509 771	13 332 424	NO	143 006 043	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.

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