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**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 2013**

**Note by the secretariat**

**Addendum**

**Compilation and accounting information by Party**

*Summary*

This document contains detailed information on the initial accounting parameters under the Kyoto Protocol which are recorded for Parties included in Annex I to the Convention that are also Parties to the Kyoto Protocol with commitments inscribed in Annex B to the Kyoto Protocol in the compilation and accounting database after completion of the review pursuant to decision 22/CMP.1 and the resolution of questions of implementation, if any. It also contains annual information on anthropogenic greenhouse gas (GHG) emissions in 2010 and 2011 from sources listed in Annex A to the Kyoto Protocol; GHG emissions and removals in 2010 and 2011 from land use, land-use change and forestry activities under Article 3, paragraph 3, of the Kyoto Protocol, and elected activities under Article 3, paragraph 4, of the Kyoto Protocol; and holdings and transactions of Kyoto Protocol units. Some of the annual information is provisional; this will be finalized after completion of the 2013 annual review pursuant to decision 22/CMP.1 and the resolution of questions of implementation, if any.

## Contents

	<i>Paragraphs</i>	<i>Page</i>
I. Introduction .....	1–5	4
II. Australia .....	6–7	4
III. Austria .....	8–9	7
IV. Belgium .....	10–11	9
V. Bulgaria .....	12–13	11
VI. Croatia .....	14–15	14
VII. Czech Republic .....	16–17	16
VIII. Denmark .....	18–19	18
IX. Estonia .....	20–21	21
X. European Union .....	22–23	23
XI. Finland .....	24–25	27
XII. France .....	26–27	29
XIII. Germany .....	28–29	32
XIV. Greece .....	30–31	34
XV. Hungary .....	32–33	36
XVI. Iceland .....	34–35	39
XVII. Ireland .....	36–37	40
XVIII. Italy .....	38–39	42
XIX. Japan .....	40–41	45
XX. Latvia .....	42–43	47
XXI. Liechtenstein .....	44–45	49
XXII. Lithuania .....	46–47	52
XXIII. Luxembourg .....	48–49	54
XXIV. Monaco .....	50–51	56
XXV. Netherlands .....	52–53	59
XXVI. New Zealand .....	54–55	61
XXVII. Norway .....	56–57	63
XXVIII. Poland .....	58–59	66
XXIX. Portugal .....	60–61	68
XXX. Romania .....	62–63	70
XXXI. Russian Federation .....	64–65	73
XXXII. Slovakia .....	66–67	75
XXXIII. Slovenia .....	68–69	77

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XXXIV.	Spain.....	70–71	80
XXXV.	Sweden.....	72–73	82
XXXVI.	Switzerland.....	74–75	85
XXXVII.	Ukraine.....	76–77	87
XXXVIII.	United Kingdom of Great Britain and Northern Ireland .....	78–79	89

## I. Introduction

1. Document FCCC/KP/CMP/2013/6 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 2012. 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 2010;
- (c) Total quantities of Kyoto Protocol units by account type at the end of 2011 (final values).

2. Further, with a view to presenting the latest available information, annual information reported by Parties in 2013 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 2010 and 2011;
- (b) GHG emissions and removals in 2010 and 2011 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 2012.

3. This document contains more details on the accounting parameters and information mentioned in paragraphs 1 and 2 above for individual Annex B Parties.

4. The annual information submitted in 2013 will be recorded in the compilation and accounting database after completion of the annual review and resolution of questions of implementation, if any.

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

## II. Australia

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

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

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

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base year emissions <sup>a</sup>	547 699 841	t CO <sub>2</sub> eq
Quantified 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 2012 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 2010 and 2011**

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2010 (final values based on the 2012 submissions)</i>	<i>In 2010 (provisional values based on the 2013 submissions)</i>	<i>In 2011 (provisional values based on the 2013 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	543 262 747	548 744 425	552 286 443
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	27 563 719	28 976 741	19 614 446
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 2011 (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	2 907 928 612	NO	23 032 901	NO	NO	NO
Entity holding	NO	NO	NO	51 000	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	49 650 531	NO	NO	NO		

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	NO	NO	NO	NO	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>2 957 579 143</b>	<b>NO</b>	<b>23 032 901</b>	<b>51 000</b>	<b>NO</b>	<b>NO</b>

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

Table 4  
**Australia's total quantities of Kyoto Protocol units by account type at the end of 2012 (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	2 863 764 055	NO	46 294 933	NO	NO	NO
Entity holding	NO	NO	NO	30 002	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	93 815 088	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	20 500	NO	NO
Retirement	NO	NO	NO	NO	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>2 957 579 143</b>	<b>NO</b>	<b>46 294 933</b>	<b>50 502</b>	<b>NO</b>	<b>NO</b>

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

Table 5  
**Australia's total transactions of Kyoto Protocol units in 2012 (provisional values)**

<i>Transaction type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
<i>Additions</i>						
Internal transactions		NO	23 262 032			
External transactions	NO	NO	NO	102 714	NO	NO
<b>Total transactions</b>	<b>NO</b>	<b>NO</b>	<b>23 262 032</b>	<b>102 714</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	44 164 557	NO	NO	20 500	NO	NO
External transactions	NO	NO	NO	103 212	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	44 164 557	NO	NO	123 712	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 2012 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 2010 and 2011

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2010 (final values based on the 2012 submissions)</i>	<i>In 2010 (provisional values based on the 2013 submissions)</i>	<i>In 2011 (provisional values based on the 2013 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	84 593 939	85 012 221	82 841 596
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol	-1 258 850	-1 255 726	-1 283 871

Parameter	Emissions/removals of greenhouse gases (t CO <sub>2</sub> eq)		
	In 2010 (final values based on the 2012 submissions)	In 2010 (provisional values based on the 2013 submissions)	In 2011 (provisional values based on the 2013 submissions)
(afforestation and reforestation, and deforestation)			
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 2011 (final values)

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding	165 151 314	NO	NO	44	NO	NO
Entity holding	51 317 040	3 681 877	NO	15 264 117	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	142 272 995	8 299	NO	2 649 544	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
Total	358 741 349	3 690 176	NO	17 913 705	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 9  
Austria's total quantities of Kyoto Protocol units by account type at the end of 2012 (provisional values)

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding	178 562 597	NO	NO	9 200	NO	NO
Entity holding	30 370 708	4 943 412	NO	18 323 511	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	1	NO	NO
Retirement	170 943 786	42 724	NO	4 606 012	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	379 877 091	4 986 136	NO	22 938 724	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 10

**Austria's total transactions of Kyoto Protocol units in 2012 (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	23 104 909	1 433 015	NO	6 365 603	NO	NO
Total transactions	23 104 909	1 433 015	NO	6 365 603	NO	NO
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	1	NO	NO
External transactions	1 969 167	137 055	NO	1 340 584	NO	NO
Total transactions	1 969 167	137 055	NO	1 340 585	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	92.5	per cent
Assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol for the first commitment period	673 995 528	t CO <sub>2</sub> eq
Commitment period reserve after the 2012 annual review	606 595 975	t CO <sub>2</sub> eq
Limitation on the additions to and subtractions from Belgium's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	550 000	t CO <sub>2</sub> eq
Limitation on the total of additions to Belgium's assigned amount resulting from eligible land use, land-use change and forestry project activities under Article 12 of the Kyoto Protocol	6 739 955	t CO <sub>2</sub> eq

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

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

Table 12  
**Belgium's emissions/removals of greenhouse gases in 2010 and 2011**

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2010 (final values based on the 2012 submissions)</i>	<i>In 2010 (provisional values based on the 2013 submissions)</i>	<i>In 2011 (provisional values based on the 2013 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	135 161 412	131 782 329	120 171 513
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	197 440	214 770	202 960
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 2011 (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	452 249 605	NO	NO	NO	NO	NO
Entity holding	56 040 474	864 922	NO	6 476 612	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	5 510	NO	NO
Retirement	148 991 333	79 453	NO	2 746 715	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
Total	657 281 412	944 375	NO	9 228 837	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 2012**  
**(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	454 018 810	34 257	NO	297	NO	NO
Entity holding	1 934 828	3 053 705	NO	6 465 398	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	5 510	NO	NO
Retirement	188 928 962	630 326	NO	8 426 550	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>644 882 600</b>	<b>3 718 288</b>	<b>NO</b>	<b>14 897 755</b>	<b>NO</b>	<b>NO</b>

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

Table 15  
**Belgium's total transactions of Kyoto Protocol units in 2012 (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	7 566 044	3 553 776	NO	7 045 504	NO	NO
<b>Total transactions</b>	<b>7 566 044</b>	<b>3 553 776</b>	<b>NO</b>	<b>7 045 504</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	NO	NO	NO
External transactions	19 964 856	779 863	NO	1 376 586	NO	NO
<b>Total transactions</b>	<b>19 964 856</b>	<b>779 863</b>	<b>NO</b>	<b>1 376 586</b>	<b>NO</b>	<b>NO</b>

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

## V. Bulgaria

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

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

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

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base year emissions <sup>a</sup>	132 618 658	t CO <sub>2</sub> eq
Quantified limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	92	per cent
Assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol for the first commitment period	610 045 827	t CO <sub>2</sub> eq
Commitment period reserve after the 2012 annual review	330 666 405	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 2010 and 2011**

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2010 (final values based on the 2012 submissions)</i>	<i>In 2010 (provisional values based on the 2013 submissions)</i>	<i>In 2011 (provisional values based on the 2013 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	61 704 060	60 352 405	66 133 295
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	-1 187 722	-586 589	-782 434
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 2011 (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	442 937 562	941 099	NO	383 370	NO	NO
Entity holding	30 148 704	569 862	NO	1 034 436	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	60 329	NO	NO	NO	NO	NO
Retirement	100 452 793	703 855	NO	2 295 898	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
Total		2 214				
	573 599 388	816	NO	3 713 704	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 2012 (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	464 524 248	6 306 530	NO	6 504 931	NO	NO
Entity holding	NO	3 744 111	NO	267 649	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	60 329	NO	NO	NO	NO	NO
Retirement	100 452 793	703 855	NO	2 295 898	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
Total	565 037 370	10 754 496	NO	9 068 478	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 2012 (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		2 413 605	NO			
External transactions	11 476 139	11 542 737	NO	7 589 971	NO	NO
Total transactions	11 476 139	13 956 342	NO	7 589 971	NO	NO
<i>Subtractions</i>						
Internal transactions	2 413 605	NO	NO	NO	NO	NO

<i>Transaction type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
<i>Additions</i>						
External transactions	17 624 552	5 416 662	NO	2 235 197	NO	NO
Total transactions	20 038 157	5 416 662	NO	2 235 197	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. Croatia

14. On 8 February 2012, the enforcement branch decided that there no longer continues to be a question of implementation with respect to Croatia's eligibility, and that Croatia is now fully eligible to participate in the mechanisms under Articles 6, 12 and 17 of the Kyoto Protocol.

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

Table 21

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

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base year emissions <sup>a</sup>	31 321 790	t CO <sub>2</sub> eq
Quantified limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	95	per cent
Assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol for the first commitment period	148 778 503	t CO <sub>2</sub> eq
Commitment period reserve after the 2012 annual review	133 900 653	t CO <sub>2</sub> eq
Limitation on the additions to and subtractions from Croatia's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	4 858 333	t CO <sub>2</sub> eq
Limitation on the total of additions to Croatia's assigned amount resulting from eligible land use, land-use change and forestry project activities under Article 12 of the Kyoto Protocol	1 487 785	t CO <sub>2</sub> eq
Limit on additional removal units a Party may issue due to cancellations (emissions) under Article 3, paragraph 3, of the Kyoto Protocol	165	Mt CO <sub>2</sub> eq

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

Table 22

### Croatia's emissions/removals of greenhouse gases in 2010 and 2011

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2010 (final values based on the 2012 submissions)</i>	<i>In 2010 (provisional values based on the 2013 submissions)</i>	<i>In 2011 (provisional values based on the 2013 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	28 722 225	28 615 485	28 256 448

Parameter	Emissions/removals of greenhouse gases (t CO <sub>2</sub> eq)		
	In 2010 (final values based on the 2012 submissions)	In 2010 (provisional values based on the 2013 submissions)	In 2011 (provisional values based on the 2013 submissions)
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	81 447	232 705	180 010
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-8 620 270	-8 298 556	-7 452 301

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

Table 23  
Croatia's total quantities of Kyoto Protocol units by account type at the end of 2011  
(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
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 24  
Croatia's total quantities of Kyoto Protocol units by account type at the end of 2012  
(provisional values)

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding	148 778 503	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	

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
Total	148 778 503	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 25

**Croatia's total transactions of Kyoto Protocol units in 2012 (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						
Total transactions	NO	NO	NO	NO	NO	NO
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	NO	NO	NO
External transactions						
Total transactions	NO	NO	NO	NO	NO	NO

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

**VII. Czech Republic**

16. 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.

17. Tables 26–30 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 26

**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 2012 annual review	667 477 525	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	5 866 667	t CO <sub>2</sub> eq



<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Kyoto Protocol		
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 27

**The Czech Republic's emissions/removals of greenhouse gases in 2010 and 2011**

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2010 (final values based on the 2012 submissions)</i>	<i>In 2010 (provisional values based on the 2013 submissions)</i>	<i>In 2011 (provisional values based on the 2013 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	139 523 382	137 422 562	133 495 504
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	-115 390	-115 390	-193 181
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-5 096 223	-5 096 223	-7 568 708

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

Table 28

**The Czech Republic's total quantities of Kyoto Protocol units by account type at the end of 2011 (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	452 995 786	NO	NO	NO	NO	NO
Entity holding	93 513 823	1 058 730	NO	2 659 101	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	219 835 850	754 388	NO	9 382 544	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
Total	766 345 459	1 813 118	NO	12 041 645	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 quantities of Kyoto Protocol units by account type at the end of 2012 (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	460 124 758	NO	NO	NO	NO	NO
Entity holding	NO	223 615	NO	987 929	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	287 631 333	3 839 463	NO	12 495 124	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>747 756 091</b>	<b>4 063 078</b>	<b>NO</b>	<b>13 483 053</b>	<b>NO</b>	<b>NO</b>

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

Table 30  
**The Czech Republic's total transactions of Kyoto Protocol units in 2012 (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		1 640 950	NO			
External transactions	5 332 856	2 542 352	NO	1 967 087	NO	NO
<b>Total transactions</b>	<b>5 332 856</b>	<b>4 183 302</b>	<b>NO</b>	<b>1 967 087</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	1 640 950	NO	NO	NO	NO	NO
External transactions	22 281 274	1 933 342	NO	525 679	NO	NO
<b>Total transactions</b>	<b>23 922 224</b>	<b>1 933 342</b>	<b>NO</b>	<b>525 679</b>	<b>NO</b>	<b>NO</b>

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

## VIII. Denmark

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

19. Tables 31–35 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 31

**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 2012 annual review	249 155 060	t CO <sub>2</sub> eq
Limitation on the additions to and subtractions from Denmark’s assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	916 667	t CO <sub>2</sub> eq
Limitation on the total of additions to Denmark’s assigned amount resulting from eligible land use, land-use change and forestry project activities under Article 12 of the Kyoto Protocol	2 768 390	t CO <sub>2</sub> eq
Limit on additional removal units a Party may issue due to cancellations (emissions) under Article 3, paragraph 3, of the Kyoto Protocol	165	Mt CO <sub>2</sub> eq

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

Table 32

**Denmark’s emissions/removals of greenhouse gases in 2010 and 2011**

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2010 (final values based on the 2012 submissions)</i>	<i>In 2010 (provisional values based on the 2013 submissions)</i>	<i>In 2011 (provisional values based on the 2013 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	61 780 797	61 933 550	57 011 068
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	41 054	–241 670	9 737
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	–2 219 837	–263 147	–2 709 897

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

Table 33  
**Denmark's total quantities of Kyoto Protocol units by account type at the end of 2011**  
**(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	188 662 626	6 265 538	288 245	753 610	NO	NO
Entity holding	19 887 071	275 900	NO	3 099 733	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	335 864	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	156 864	13 374	NO	1 989	NO	NO
Retirement	75 940 218	1 766	NO	1 360 596	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>284 646 779</b>	<b>6 556 578</b>	<b>624 109</b>	<b>5 215 928</b>	<b>NO</b>	<b>NO</b>

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

Table 34  
**Denmark's total quantities of Kyoto Protocol units by account type at the end of 2012**  
**(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	152 118 662	6 978 987	3 531 167	1 381 333	NO	NO
Entity holding	3 809	66 585	NO	1 477 492	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	45 099	NO	335 864	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	159 986	13 374	NO	2 017	NO	NO
Retirement	131 237 240	2 284 518	288 245	2 558 075	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>283 564 796</b>	<b>9 343 464</b>	<b>4 155 276</b>	<b>5 418 917</b>	<b>NO</b>	<b>NO</b>

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

Table 35  
Denmark's total transactions of Kyoto Protocol units in 2012 (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	3 531 167			
External transactions	1 255 753	4 939 318	NO	3 728 306	NO	NO
Total transactions	1 255 753	4 939 318	3 531 167	3 728 306	NO	NO
<i>Subtractions</i>						
Internal transactions	48 221	NO	NO	28	NO	NO
External transactions	2 337 736	2 152 432	NO	3 525 317	NO	NO
Total transactions	2 385 957	2 152 432	NO	3 525 345	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. Estonia

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

21. Tables 36–40 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 36  
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 2012 annual review	104 777 884	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 37  
**Estonia's emissions/removals of greenhouse gases in 2010 and 2011**

Parameter	Emissions/removals of greenhouse gases (t CO <sub>2</sub> eq)		
	In 2010 (final values based on the 2012 submissions)	In 2010 (provisional values based on the 2013 submissions)	In 2011 (provisional values based on the 2013 submissions)
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	20 541 610	19 988 767	20 955 577
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	253 807	344 664	232 111
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 38  
**Estonia's total quantities of Kyoto Protocol units by account type at the end of 2011 (final values)**

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding	101 775 558	13 448	NO	NO	NO	NO
Entity holding	4 278 459	NO	NO	957	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	210 000	NO	NO	NO	NO	NO
Retirement	38 013 117	NO	NO	NO	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
Total	144 277 134	13 448	NO	957	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 39  
**Estonia's total quantities of Kyoto Protocol units by account type at the end of 2012 (provisional values)**

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding	77 786 178	98 263	NO	NO	NO	NO
Entity holding	NO	3 519 182	NO	12 996	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	210 000	NO	NO	NO	NO	NO
Retirement	53 085 500	141 034	NO	16 555	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>131 081 678</b>	<b>3 758 479</b>	<b>NO</b>	<b>29 551</b>	<b>NO</b>	<b>NO</b>

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

Table 40

**Estonia's total transactions of Kyoto Protocol units in 2012 (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		580 442	NO			
External transactions	735 465	3 660 216	NO	28 594	NO	NO
<b>Total transactions</b>	<b>735 465</b>	<b>4 240 658</b>	<b>NO</b>	<b>28 594</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	580 442	NO	NO	NO	NO	NO
External transactions	13 350 479	495 627	NO	NO	NO	NO
<b>Total transactions</b>	<b>13 930 921</b>	<b>495 627</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.

**X. European Union**

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

23. Tables 41–48 provide detailed information on the European Union's initial accounting parameters under the Kyoto Protocol, its GHG emissions and removals, the holdings of Kyoto Protocol units by account type, and transactions of Kyoto Protocol units. Accounting data for the EU-15<sup>1</sup> do not include units held in the European Community registry, which are presented in separate tables.

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

Table 41  
**Key initial accounting parameters under the Kyoto Protocol for the European Union (final values)**

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base year emissions <sup>a</sup>	4 265 517 719	t CO <sub>2</sub> eq
Quantified limitation and reduction commitment as inscribed in Annex B to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	92	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 2012 annual review	17 659 243 358	t CO <sub>2</sub> eq
Limitation on the additions to and subtractions from the European Union's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	NO	t CO <sub>2</sub> eq
Limitation on the total of additions to the European Union's assigned amount resulting from eligible land use, land-use change and forestry project activities under Article 12 of the Kyoto Protocol	NO	t CO <sub>2</sub> eq
Limit on additional removal units a Party may issue due to cancellations (emissions) under Article 3, paragraph 3, of the Kyoto Protocol	NO	Mt CO <sub>2</sub> eq

*Abbreviations:* NO = not occurring.

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

Table 42  
**The European Union's emissions/removals of greenhouse gases in 2010 and 2011**

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2010 (final values based on the 2012 submissions)</i>	<i>In 2010 (provisional values based on the 2013 submissions)</i>	<i>In 2011 (provisional values based on the 2013 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	3 797 613 005	3 790 224 658	3 630 657 218
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	-17 347 919	-18 286 538	-18 210 040
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-212 047 374	-203 868 619	-214 849 929

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

Table 43  
**Total quantities of Kyoto Protocol units held by the EU-15 at the end of 2011, 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	13 299 742 924	16 737 452	24 098 870	34 080 296	NO	NO
Entity holding	2 202 295 989	59 701 697	NO	272 730 881	NO	NO



<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	12 664 693	NO	335 864	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	225 809	26 543	NO	3 054 537	NO	NO
Retirement	4 505 208 013	13 229 345	NO	203 044 728	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>20 020 137 428</b>	<b>89 695 037</b>	<b>24 434 734</b>	<b>512 910 442</b>	<b>NO</b>	<b>NO</b>

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

Table 44

**Total quantities of Kyoto Protocol units held in the European Community registry at the end of 2011, 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	14 770 754	NO	NO	956 471	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>14 770 754</b>	<b>NO</b>	<b>NO</b>	<b>956 471</b>	<b>NO</b>	<b>NO</b>

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

Table 45

**Total quantities of Kyoto Protocol units held by the EU-15 at the end of 2012, by account type (provisional values)**

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Party holding	13 663 406 486	40 097 227	27 179 193	34 907 769	894 768	NO
Entity holding	40 698 005	168 989 461	NO	152 697 442	626 174	NO
Article 3, paragraphs 3 and 4, net source cancellation	12 709 792	NO	9 505 846	NO		

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	230 105	93 137	NO	3 977 183	NO	NO
Retirement	6 413 701 355	70 847 127	288 245	350 965 662	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>20 130 745 743</b>	<b>280 026 952</b>	<b>36 973 284</b>	<b>542 548 056</b>	<b>1 520 942</b>	<b>NO</b>

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

Table 46

**Total quantities of Kyoto Protocol units held in the European Community registry at the end of 2012, 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	15 427 703	222 258 046	NO	195 013 222	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	18	NO	58 639	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>15 427 703</b>	<b>222 258 064</b>	<b>NO</b>	<b>195 071 861</b>	<b>NO</b>	<b>NO</b>

Table 47

**Total transactions of Kyoto Protocol units carried out by the EU-15 in 2012 (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		12 092 035	17 688 550			
External transactions	181 706 923	337 711 642	NO	276 486 248	1 520 942	NO
<b>Total transactions</b>	<b>181 706 923</b>	<b>349 803 677</b>	<b>17 688 550</b>	<b>276 486 248</b>	<b>1 520 942</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	12 141 430	66 594	9 169 982	922 646	NO	NO
External transactions	58 885 549	115 148 994	5 150 000	95 637 837	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	71 026 979	115 215 588	14 319 982	96 560 483	NO	NO

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

Table 48

**Total transactions of Kyoto Protocol units carried out by the European Community registry in 2012 (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	2 313 181	360 433 744	NO	319 074 427	NO	NO
Total transactions	2 313 181	360 433 744	NO	319 074 427	NO	NO
<i>Subtractions</i>						
Internal transactions	NO	18	NO	58 639	NO	NO
External transactions	1 656 232	138 175 680	NO	124 959 037	NO	NO
Total transactions	1 656 232	138 175 698	NO	125 017 676	NO	NO

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

## XI. Finland

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

25. Tables 49–53 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 49

**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 2012 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	3 550 175	t CO <sub>2</sub> eq

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
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 50

**Finland's emissions/removals of greenhouse gases in 2010 and 2011**

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2010 (final values based on the 2012 submissions)</i>	<i>In 2010 (provisional values based on the 2013 submissions)</i>	<i>In 2011 (provisional values based on the 2013 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	74 555 635	74 536 721	67 018 856
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	3 994 559	3 673 585	3 459 501
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-31 835 524	-34 622 541	-34 792 800

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

Table 51

**Finland's total quantities of Kyoto Protocol units by account type at the end of 2011 (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	205 522 832	426 340	NO	593 188	NO	NO
Entity holding	41 699 708	1 033 018	NO	2 810 477	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	330	NO	NO	8 718	NO	NO
Retirement	107 097 760	281 467	NO	4 283 931	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
Total	354 320 630	1 740 825	NO	7 696 314	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 52  
**Finland's total quantities of Kyoto Protocol units by account type at the end of 2012**  
**(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	216 929 711	871 286	NO	1 331 056	NO	NO
Entity holding	NO	4 962 994	NO	1 453 152	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	380	NO	NO	8 718	NO	NO
Retirement	138 500 082	914 208	NO	7 331 819	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>355 430 173</b>	<b>6 748 488</b>	<b>NO</b>	<b>10 124 745</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 53  
**Finland's total transactions of Kyoto Protocol units in 2012 (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		604 607	NO			
External transactions	3 600 661	4 473 107	NO	3 719 717	NO	NO
<b>Total transactions</b>	<b>3 600 661</b>	<b>5 077 714</b>	<b>NO</b>	<b>3 719 717</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	604 657	NO	NO	NO	NO	NO
External transactions	1 886 511	70 051	NO	1 291 286	NO	NO
<b>Total transactions</b>	<b>2 491 168</b>	<b>70 051</b>	<b>NO</b>	<b>1 291 286</b>	<b>NO</b>	<b>NO</b>

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

## **XII. France**

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

27. Tables 54–58 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 54  
**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 2012 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 55  
**France's emissions/removals of greenhouse gases in 2010 and 2011**

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2010 (final values based on the 2012 submissions)</i>	<i>In 2010 (provisional values based on the 2013 submissions)</i>	<i>In 2011 (provisional values based on the 2013 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	522 415 808	514 200 022	485 542 688
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	3 294 422	3 139 833	2 826 257
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-44 598 695	-46 684 651	-56 546 162

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

Table 56  
**France's total quantities of Kyoto Protocol units by account type at the end of 2011 (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	2 269 213 954	NO	23 810 625	NO	NO	NO
Entity holding	232 162 177	7 612 654	NO	49 762 697	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	12 664 693	NO	NO	NO		

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	5 501	NO	NO	274 250	NO	NO
Retirement	335 397 793	984 557	NO	14 083 319	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>2 849 444 118</b>	<b>8 597 211</b>	<b>23 810 625</b>	<b>64 120 266</b>	<b>NO</b>	<b>NO</b>

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

Table 57

**France's total quantities of Kyoto Protocol units by account type at the end of 2012 (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	2 474 437 706	239 587	23 648 026	96 500	NO	NO
Entity holding	NO	18 054 579	NO	14 862 956	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	12 664 693	NO	9 169 982	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	5 501	64 752	NO	554 124	NO	NO
Retirement	412 251 354	4 323 957	NO	38 264 507	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>2 899 359 254</b>	<b>22 682 875</b>	<b>32 818 008</b>	<b>53 778 087</b>	<b>NO</b>	<b>NO</b>

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

Table 58

**France's total transactions of Kyoto Protocol units in 2012 (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		3 494 098	14 157 383			
External transactions	109 371 317	65 500 964	NO	67 313 514	NO	NO
<b>Total transactions</b>	<b>109 371 317</b>	<b>68 995 062</b>	<b>14 157 383</b>	<b>67 313 514</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	3 494 098	64 752	9 169 982	279 874	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>						
External transactions	55 962 083	54 909 398	5 150 000	77 655 693	NO	NO
Total transactions	59 456 181	54 974 150	14 319 982	77 935 567	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.

### XIII. Germany

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

29. Tables 59–63 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 59

#### 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 2012 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 60

#### Germany's emissions/removals of greenhouse gases in 2010 and 2011

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2010 (final values based on the 2012 submissions)</i>	<i>In 2010 (provisional values based on the 2013 submissions)</i>	<i>In 2011 (provisional values based on the 2013 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	936 543 817	943 518 448	916 495 078
Net emissions or removals from	-5 824 260	-5 588 206	-5 633 580



Parameter	Emissions/removals of greenhouse gases (t CO <sub>2</sub> eq)		
	In 2010 (final values based on the 2012 submissions)	In 2010 (provisional values based on the 2013 submissions)	In 2011 (provisional values based on the 2013 submissions)
LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)			
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-19 410 305	-27 705 172	-27 681 889

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

Table 61

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

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding	3 112 267 083	4 931 830	NO	1 941 653	NO	NO
Entity holding	547 477 254	24 058 140	NO	48 262 629	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	2 828	13 158	NO	757 604	NO	NO
Retirement	1 273 092 585	4 865 496	NO	83 095 436	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
Total	4 932 839 750	33 868 624	NO	134 057 322	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 62

**Germany's total quantities of Kyoto Protocol units by account type at the end of 2012 (provisional values)**

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding	2 733 213 882	21 356 847	NO	1 151 721	NO	NO
Entity holding	NO	1 743 668	NO	9 686 008	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	3 425	15 000	NO	892 199	NO	NO
Retirement	2 180 899 876	38 097 446	NO	124 218 728	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>4 914 117 183</b>	<b>61 212 961</b>	<b>NO</b>	<b>135 948 656</b>	<b>NO</b>	<b>NO</b>

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

Table 63

**Germany's total transactions of Kyoto Protocol units in 2012 (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		7 039 160	NO			
External transactions	53 063 615	51 793 341	NO	71 579 172	NO	NO
<b>Total transactions</b>	<b>53 063 615</b>	<b>58 832 501</b>	<b>NO</b>	<b>71 579 172</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	7 039 757	1 842	NO	134 595	NO	NO
External transactions	64 747 022	31 488 164	NO	69 687 838	NO	NO
<b>Total transactions</b>	<b>71 786 779</b>	<b>31 490 006</b>	<b>NO</b>	<b>69 822 433</b>	<b>NO</b>	<b>NO</b>

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

## XIV. Greece

30. 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.

31. Tables 64–68 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 64

**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 for the first commitment period	668 669 806	t CO <sub>2</sub> eq
Commitment period reserve after the 2012 annual review	601 802 826	t CO <sub>2</sub> eq
Limitation on the additions to and subtractions from Greece's assigned amount	1 650 000	t CO <sub>2</sub> eq

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol		
Limitation on the total of additions to 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 65  
**Greece's emissions/removals of greenhouse gases in 2010 and 2011**

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2010 (final values based on the 2012 submissions)</i>	<i>In 2010 (provisional values based on the 2013 submissions)</i>	<i>In 2011 (provisional values based on the 2013 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	118 275 172	117 278 121	115 045 019
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	-348 534	-306 760	-304 975
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-1 854 763	-1 774 458	-1 776 866

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

Table 66  
**Greece's total quantities of Kyoto Protocol units by account type at the end of 2011 (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	401 140 993	NO	NO	NO	NO	NO
Entity holding	43 121 909	4 498	NO	2 574 280	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	189 433 820	29 365	NO	3 978 140	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
Total	633 696 722	33 863	NO	6 552 420	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 67  
**Greece's total quantities of Kyoto Protocol units by account type at the end of 2012 (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	386 590 631	NO	NO	NO	NO	NO
Entity holding	NO	201 064	NO	782 862	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	233 712 382	2 739 755	NO	11 450 153	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>620 303 013</b>	<b>2 940 819</b>	<b>NO</b>	<b>12 233 015</b>	<b>NO</b>	<b>NO</b>

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

Table 68  
**Greece's total transactions of Kyoto Protocol units in 2012 (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	439 445	2 906 956	NO	5 795 059	NO	NO
<b>Total transactions</b>	<b>439 445</b>	<b>2 906 956</b>	<b>NO</b>	<b>5 795 059</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	NO	NO	NO
External transactions	13 833 154	NO	NO	114 464	NO	NO
<b>Total transactions</b>	<b>13 833 154</b>	<b>NO</b>	<b>NO</b>	<b>114 464</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. Hungary

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

33. Tables 69–73 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 69

**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 2012 annual review	330 738 674	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 70

**Hungary's emissions/removals of greenhouse gases in 2010 and 2011**

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2010 (final values based on the 2012 submissions)</i>	<i>In 2010 (provisional values based on the 2013 submissions)</i>	<i>In 2011 (provisional values based on the 2013 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	67 784 808	67 945 413	66 147 735
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	-1 214 841	-1 241 862	-1 183 071
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-1 679 710	-1 679 710	-1 523 018

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

Table 71  
**Hungary's total quantities of Kyoto Protocol units by account type at the end of 2011**  
**(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	431 729 115	137 159	9 118	2 275 578	NO	NO
Entity holding	12 791 422	819 855	NO	1 421 617	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	34 614	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	343	NO	NO
Retirement	71 093 069	485 504	NO	1 146 335	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
Total		1 442				
	515 613 606	518	43 732	4 843 873	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 72  
**Hungary's total quantities of Kyoto Protocol units by account type at the end of 2012**  
**(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	416 347 249	2 143 385	3 055 200	2 275 578	NO	NO
Entity holding	31 711	160 639	NO	187 209	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	88 349	NO	34 614	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	343	NO	NO
Retirement	91 551 752	1 172 944	NO	2 503 655	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	508 019 061	3 476 968	3 089 814	4 966 785	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 73  
**Hungary's total transactions of Kyoto Protocol units in 2012 (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		3 125 368	3 046 082			
External transactions	1 358 331	451 025	NO	633 010	NO	NO
Total transactions	1 358 331	3 576 393	3 046 082	633 010	NO	NO
<i>Subtractions</i>						
Internal transactions	3 213 717	NO	NO	NO	NO	NO
External transactions	5 827 508	1 541 943	NO	510 098	NO	NO
Total transactions	9 041 225	1 541 943	NO	510 098	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.

## XVI. Iceland

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

35. Tables 74 and 75 provide detailed information on Iceland's initial accounting parameters under the Kyoto Protocol and its GHG emissions and removals. In accordance with the annex to decision 14/CMP.1, each Annex B Party is required to submit standard electronic format (SEF) tables in the year following the calendar year in which the Party first transferred or acquired Kyoto Protocol units. As at 31 December 2012, Iceland had neither transferred nor acquired any Kyoto Protocol units

Table 74  
**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 2012 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 75  
Iceland's emissions/removals of greenhouse gases in 2010 and 2011

Parameter	Emissions/removals of greenhouse gases (t CO <sub>2</sub> eq)		
	In 2010 (final values based on the 2012 submissions)	In 2010 (provisional values based on the 2013 submissions)	In 2011 (provisional values based on the 2013 submissions)
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	4 542 054	4 618 012	4 413 247
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	-171 504	-135 569	-162 343
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-515 981	-515 981	-523 446

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

## XVII. Ireland

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

37. Tables 76–80 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 76  
Key initial accounting parameters under the Kyoto Protocol for Ireland (final values)

Parameter	Value	Unit
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 2012 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 77  
Ireland's emissions/removals of greenhouse gases in 2010 and 2011

Parameter	Emissions/removals of greenhouse gases (t CO <sub>2</sub> eq)		
	In 2010 (final values based on the 2012 submissions)	In 2010 (provisional values based on the 2013 submissions)	In 2011 (provisional values based on the 2013 submissions)
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	61 314 068	61 492 558	57 512 478
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	-2 965 357	-3 505 405	-3 721 553
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 78  
Ireland's total quantities of Kyoto Protocol units by account type at the end of 2011 (final values)

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding	231 112 024	NO	NO	NO	NO	NO
Entity holding	14 588 845	129 852	NO	9 138 714	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	735	NO	NO	2 059	NO	NO
Retirement	52 890 867	394 883	NO	1 667 332	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
Total	298 592 471	524 735	NO	10 808 105	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 quantities of Kyoto Protocol units by account type at the end of 2012 (provisional values)

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding	227 556 711	NO	NO	NO	NO	NO
Entity holding	1 810 375	576 178	NO	5 471 684	503 489	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	735	NO	NO	2 059	NO	NO
Retirement	66 719 736	1 238 883	NO	2 780 994	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	296 087 557	1 815 061	NO	8 254 737	503 489	NO

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

Table 80  
**Ireland's total transactions of Kyoto Protocol units in 2012 (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	2 175 913	1 290 326	NO	6 237 051	503 489	NO
Total transactions	2 175 913	1 290 326	NO	6 237 051	503 489	NO
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	NO	NO	NO
External transactions	4 680 827	NO	NO	8 790 419	NO	NO
Total transactions	4 680 827	NO	NO	8 790 419	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.

## XVIII. Italy

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

39. Tables 81–85 provide detailed information on 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 81  
**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	93.5	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	2 416 277 898	t CO <sub>2</sub> eq
Commitment period reserve after the 2012 annual review	2 174 650 108	t CO <sub>2</sub> eq
Limitation on the additions to and subtractions from Italy's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	50 966 667	t CO <sub>2</sub> eq
Limitation on the total of additions to Italy's assigned amount resulting from eligible land use, land-use change and forestry project activities under Article 12 of the Kyoto Protocol	24 162 779	t CO <sub>2</sub> eq
Limit on additional removal units a Party may issue due to cancellations (emissions) under Article 3, paragraph 3, of the Kyoto Protocol	165	Mt CO <sub>2</sub> eq

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

Table 82

**Italy's emissions/removals of greenhouse gases in 2010 and 2011**

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2010 (final values based on the 2012 submissions)</i>	<i>In 2010 (provisional values based on the 2013 submissions)</i>	<i>In 2011 (provisional values based on the 2013 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	501 317 659	500 313 889	488 792 018
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	-6 314 667	-7 438 166	-6 082 742
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-36 214 905	-31 303 734	-23 976 982

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

Table 83

**Italy's total quantities of Kyoto Protocol units by account type at the end of 2011 (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	1 602 189 698	NO	NO	NO	NO	NO
Entity holding		2 105				
	213 293 289	194	NO 23 852 661	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	567 758 394	752 006	NO 28 577 753	NO	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
Total	2 383 241 381	2 857 200	NO	52 430 414	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 84  
**Italy's total quantities of Kyoto Protocol units by account type at the end of 2012 (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	1 638 291 168	15 815	NO	83 759	NO	NO
Entity holding	1 970 000	5 134 484	NO	13 845 427	54 670	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	738 261 880	5 561 462	NO	43 371 714	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	2 378 523 048	10 711 761	NO	57 300 900	54 670	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 85  
**Italy's total transactions of Kyoto Protocol units in 2012 (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	27 102 731	10 487 305	NO	31 804 742	54 670	NO
Total transactions	27 102 731	10 487 305	NO	31 804 742	54 670	NO
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	NO	NO	NO
External transactions	31 821 064	2 632 744	NO	26 934 256	NO	NO
Total transactions	31 821 064	2 632 744	NO	26 934 256	NO	NO

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

## XIX. Japan

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

41. Tables 86–90 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 86

### 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 2012 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 87

### Japan's emissions/removals of greenhouse gases in 2010 and 2011

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2010 (final values based on the 2012 submissions)</i>	<i>In 2010 (provisional values based on the 2013 submissions)</i>	<i>In 2011 (provisional values based on the 2013 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	1 257 981 874	1 257 380 638	1 307 728 354
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	4 396 782	4 611 427	1 559 882
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-54 381 921	-54 414 338	-53 747 593

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

Table 88  
**Japan's total quantities of Kyoto Protocol units by account type at the end of 2011**  
**(final values)**

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

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

Table 89  
**Japan's total quantities of Kyoto Protocol units by account type at the end of 2012**  
**(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	6 105 911 935	2 556 358	NO	54 916 758	54 670	NO
Entity holding	20 469 892	2 160 905	NO	39 047 919	470 184	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>6 149 381 827</b>	<b>4 717 263</b>	<b>NO</b>	<b>130 071 450</b>	<b>524 854</b>	<b>NO</b>

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

Table 90  
**Japan's total transactions of Kyoto Protocol units in 2012 (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	26 738 192	3 300 369	NO	64 643 868	524 854	NO
Total transactions	26 738 192	3 300 369	NO	64 643 868	524 854	NO
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	NO	NO	NO
External transactions	609 750	3 732 878	NO	54 704 803	NO	NO
Total transactions	609 750	3 732 878	NO	54 704 803	NO	NO

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

## XX. Latvia

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

43. Tables 91–95 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 91  
**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 2012 annual review	57 470 925	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 92  
**Latvia's emissions/removals of greenhouse gases in 2010 and 2011**

Parameter	Emissions/removals of greenhouse gases (t CO <sub>2</sub> eq)		
	In 2010 (final values based on the 2012 submissions)	In 2010 (provisional values based on the 2013 submissions)	In 2011 (provisional values based on the 2013 submissions)
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	12 097 698	12 034 542	11 494 185
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	480 065	37 692	35 526
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-17 309 082	-14 603 086	-14 851 387

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

Table 93  
**Latvia's total quantities of Kyoto Protocol units by account type at the end of 2011 (final values)**

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding	74 671 083	NO	NO	NO	NO	NO
Entity holding	2 756 343	8 299	NO	7 761	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	7 651 222	27 222	NO	794 451	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
Total	85 078 648	35 521	NO	802 212	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 94  
**Latvia's total quantities of Kyoto Protocol units by account type at the end of 2012 (provisional values)**

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding	85 886 119	NO	NO	NO	NO	NO
Entity holding	NO	42 907	NO	264 246	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	10 499 146	49 013	NO	848 191	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>96 385 265</b>	<b>91 920</b>	<b>NO</b>	<b>1 112 437</b>	<b>NO</b>	<b>NO</b>

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

Table 95

**Latvia's total transactions of Kyoto Protocol units in 2012 (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		44 248	NO			
External transactions	12 515 000	56 399	NO	310 225	NO	NO
<b>Total transactions</b>	<b>12 515 000</b>	<b>100 647</b>	<b>NO</b>	<b>310 225</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	44 248	NO	NO	NO	NO	NO
External transactions	1 164 135	44 248	NO	NO	NO	NO
<b>Total transactions</b>	<b>1 208 383</b>	<b>44 248</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.

**XXI. Liechtenstein**

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

45. Tables 96–100 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 96

**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	92	per cent

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol		
Assigned amount pursuant to Article 3, paragraphs 7 and 8, of the Kyoto Protocol for the first commitment period	1 055 623	t CO <sub>2</sub> eq
Commitment period reserve after the 2012 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 97

**Liechtenstein's emissions/removals of greenhouse gases in 2010 and 2011**

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2010 (final values based on the 2012 submissions)</i>	<i>In 2010 (provisional values based on the 2013 submissions)</i>	<i>In 2011 (provisional values based on the 2013 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	233 163	234 122	222 042
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	-56	-56	211
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 98

**Liechtenstein's total quantities of Kyoto Protocol units by account type at the end of 2011 (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	1 000 966	NO	8 221	180 429	NO	NO
Entity holding	231 268	NO	NO	3 759	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	3 658	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	NO	NO	NO	NO	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		

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

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

Table 99

**Liechtenstein's total quantities of Kyoto Protocol units by account type at the end of 2012 (provisional values)**

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Party holding	1 034 677	NO	8 221	180 429	NO	NO
Entity holding	186 108	NO	NO	138 925	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	5 448	NO	3 658	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	NO	NO	NO	NO	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
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>1 226 233</b>	<b>NO</b>	<b>11 879</b>	<b>319 354</b>	<b>NO</b>	<b>NO</b>

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

Table 100

**Liechtenstein's total transactions of Kyoto Protocol units in 2012 (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	743 002	769 426	NO	605 874	NO	NO
<b>Total transactions</b>	<b>743 002</b>	<b>769 426</b>	<b>NO</b>	<b>605 874</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	5 448	NO	NO	NO	NO	NO
External transactions	749 003	769 426	NO	470 708	NO	NO
<b>Total transactions</b>	<b>754 451</b>	<b>769 426</b>	<b>NO</b>	<b>470 708</b>	<b>NO</b>	<b>NO</b>

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

## XXII. Lithuania

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

47. Tables 101–105 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 101

### 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 2012 annual review	108 058 476	t CO <sub>2</sub> eq
Limitation on the additions to and subtractions from Lithuania's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	5 133 333	t CO <sub>2</sub> eq
Limitation on the total of additions to Lithuania's assigned amount resulting from eligible land use, land-use change and forestry project activities under Article 12 of the Kyoto Protocol	2 273 062	t CO <sub>2</sub> eq
Limit on additional removal units a Party may issue due to cancellations (emissions) under Article 3, paragraph 3, of the Kyoto Protocol	165	Mt CO <sub>2</sub> eq

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

Table 102

### Lithuania's emissions/removals of greenhouse gases in 2010 and 2011

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2010 (final values based on the 2012 submissions)</i>	<i>In 2010 (provisional values based on the 2013 submissions)</i>	<i>In 2011 (provisional values based on the 2013 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	21 521 492	21 120 584	21 611 695
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	-161 434	-82 797	-109 616
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-12 068 063	-10 592 084	-10 849 555

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

Table 103  
**Lithuania's total quantities of Kyoto Protocol units by account type at the end of 2011**  
**(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	160 163 624	41 993	NO	NO	NO	NO
Entity holding	6 036 077	2 502 312	NO	755 932	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	15 443 469	645 015	NO	2 198 905	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>181 643 170</b>	<b>3 189 320</b>	<b>NO</b>	<b>2 954 837</b>	<b>NO</b>	<b>NO</b>

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

Table 104  
**Lithuania's total quantities of Kyoto Protocol units by account type at the end of 2012**  
**(provisional values)**

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Party holding	160 861 894	213 586	NO	NO	NO	NO
Entity holding	NO	2 950 596	NO	392 438	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	19 519 889	1 810 374	NO	2 562 399	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>180 381 783</b>	<b>4 974 556</b>	<b>NO</b>	<b>2 954 837</b>	<b>NO</b>	<b>NO</b>

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

Table 105  
Lithuania's total transactions of Kyoto Protocol units in 2012 (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		2 346 649	NO			
External transactions	3 722 296	337 350	NO	NO	NO	NO
Total transactions	3 722 296	2 683 999	NO	NO	NO	NO
<i>Subtractions</i>						
Internal transactions	2 346 649	NO	NO	NO	NO	NO
External transactions	2 637 034	898 763	NO	NO	NO	NO
Total transactions	4 983 683	898 763	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.

### XXIII. Luxembourg

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

49. Tables 106–110 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 106  
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 2012 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 107  
**Luxembourg's emissions/removals of greenhouse gases in 2010 and 2011**

Parameter	Emissions/removals of greenhouse gases (t CO <sub>2</sub> eq)		
	In 2010 (final values based on the 2012 submissions)	In 2010 (provisional values based on the 2013 submissions)	In 2011 (provisional values based on the 2013 submissions)
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	12 080 991	12 252 093	12 097 915
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	47 092	47 111	30 837
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 108  
**Luxembourg's total quantities of Kyoto Protocol units by account type at the end of 2011 (final values)**

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding	41 524 876	39 832	NO	1 848 635	NO	NO
Entity holding	2 718 698	198 529	NO	325 924	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	6 235 255	NO	NO	297 996	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
Total	50 478 829	238 361	NO	2 472 555	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 109  
**Luxembourg's total quantities of Kyoto Protocol units by account type at the end of 2012 (provisional values)**

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding	41 780 463	217 045	NO	2 442 079	109 351	NO
Entity holding	NO	NO	NO	138 835	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	8 045 734	NO	NO	539 728	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
Total	49 826 197	217 045	NO	3 120 642	109 351	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 110  
**Luxembourg's total transactions of Kyoto Protocol units in 2012 (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	84 203	177 213	NO	652 290	109 351	NO
Total transactions	84 203	177 213	NO	652 290	109 351	NO
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	NO	NO	NO
External transactions	736 835	198 529	NO	4 203	NO	NO
Total transactions	736 835	198 529	NO	4 203	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.

## XXIV. Monaco

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

51. Tables 111–115 provide detailed information on Monaco'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 SEF tables in the year following the calendar year in which the Party first transferred or acquired Kyoto Protocol units. As at 31 December 2011, Monaco had neither transferred nor acquired any Kyoto Protocol units; regardless, Monaco submitted its SEF table in 2013.



Table 111  
**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 2012 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 112  
**Monaco's emissions/removals of greenhouse gases in 2010 and 2011**

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2010 (final values based on the 2012 submissions)</i>	<i>In 2010 (provisional values based on the 2013 submissions)</i>	<i>In 2011 (provisional values based on the 2013 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	88 204	87 987	85 328
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.

Table 113  
**Monaco's total quantities of Kyoto Protocol units by account type at the end of 2011 (final values)**

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

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

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

Table 114  
**Monaco's total quantities of Kyoto Protocol units by account type at the end of 2012 (provisional values)**

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Party holding	NO	NO	NO	NO	NO	NO
Entity holding	NO	NO	NO	NO	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	NO	NO	NO	NO	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
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 115  
**Monaco's total transactions of Kyoto Protocol units in 2012 (provisional values)**

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

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

## XXV. Netherlands

52. 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.

53. Tables 116–120 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 116

### 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 2012 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 117

### The Netherlands's emissions/removals of greenhouse gases in 2010 and 2011

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2010 (final values based on the 2012 submissions)</i>	<i>In 2010 (provisional values based on the 2013 submissions)</i>	<i>In 2011 (provisional values based on the 2013 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	210 053 016	209 176 619	194 378 911
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	362 353	363 540	380 010
Net emissions or removals from LULUCF activities under Article 3,	NA	NA	NA

Parameter	Emissions/removals of greenhouse gases (t CO <sub>2</sub> eq)		
	In 2010 (final values based on the 2012 submissions)	In 2010 (provisional values based on the 2013 submissions)	In 2011 (provisional values based on the 2013 submissions)
paragraph 4, of the Kyoto Protocol			

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

Table 118  
**The Netherlands's total quantities of Kyoto Protocol units by account type at the end of 2011 (final values)**

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding	533 219 656	4 866 337	NO	23 172 040	NO	NO
Entity holding	151 872 020	2 045 856	NO	18 375 603	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	3 979	NO	NO	61 174	NO	NO
Retirement	372 393 398	NO	NO	NO	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
Total	1 057 489	053 6 912 193	NO	41 608 817	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 119  
**The Netherlands's total quantities of Kyoto Protocol units by account type at the end of 2012 (provisional values)**

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding	542 673 011	9 670 179	NO	23 945 399	NO	NO
Entity holding	NO	40 906 339	NO	14 201 386	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	3 979	NO	NO	120 692	NO	NO
Retirement	560 130 340	895 113	NO	7 387 495	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	1 102 807 330	51 471 631	NO	45 654 972	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

**The Netherlands's total transactions of Kyoto Protocol units in 2012 (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	79 577 541	88 248 227	4 000 000	67 171 842	NO	NO
Total transactions	79 577 541	88 248 227	4 000 000	67 171 842	NO	NO
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	59 518	NO	NO
External transactions	34 259 264	43 688 789	4 000 000	63 125 687	NO	NO
Total transactions	34 259 264	43 688 789	4 000 000	63 185 205	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.

## XXVI. New Zealand

54. 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.

55. Tables 121–125 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 121

**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
Commitment period reserve after the 2012 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 122  
New Zealand's emissions/removals of greenhouse gases in 2010 and 2011

Parameter	Emissions/removals of greenhouse gases (t CO <sub>2</sub> eq)		
	In 2010 (final values based on the 2012 submissions)	In 2010 (provisional values based on the 2013 submissions)	In 2011 (provisional values based on the 2013 submissions)
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	71 657 192	71 940 798	72 923 483
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	-18 307 068	-17 320 426	-16 765 478
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 123  
New Zealand's total quantities of Kyoto Protocol units by account type at the end of 2011 (final values)

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding	305 642 697	NO	NO	133 150	NO	NO
Entity holding	594 582	530 346	3 900 000	2 801 704	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	11 206	NO	NO	800	NO	NO
Retirement	NO	NO	NO	NO	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
Total	306 248 485	530 346	3 900 000	2 935 654	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 124  
New Zealand's total quantities of Kyoto Protocol units by account type at the end of 2012 (provisional values)

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding	305 283 254	4 587 043	3 378 146	4 285 112	NO	NO
Entity holding	740 405	11 566 491	5 671 854	4 394 487	NO	NO
Article 3, paragraphs 3 and 4, net source	NO	NO	NO	NO		

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
cancellation						
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	18 003	NO	NO	800	NO	NO
Retirement	NO	NO	NO	NO	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>306 041 662</b>	<b>16 153 534</b>	<b>9 050 000</b>	<b>8 680 399</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

**New Zealand's total transactions of Kyoto Protocol units in 2012 (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		203 823	NO			
External transactions	1	16 556 200	5 150 000	13 638 382	NO	NO
<b>Total transactions</b>	<b>1</b>	<b>16 760 023</b>	<b>5 150 000</b>	<b>13 638 382</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	210 620	NO	NO	NO	NO	NO
External transactions	3 001	1 136 835	NO	7 893 637	NO	NO
<b>Total transactions</b>	<b>213 621</b>	<b>1 136 835</b>	<b>NO</b>	<b>7 893 637</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. Norway**

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

57. Tables 126–130 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 126

**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

<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	250 576 797	t CO <sub>2</sub> eq
Commitment period reserve after the 2012 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 127  
**Norway's emissions/removals of greenhouse gases in 2010 and 2011**

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2010 (final values based on the 2012 submissions)</i>	<i>In 2010 (provisional values based on the 2013 submissions)</i>	<i>In 2011 (provisional values based on the 2013 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	53 898 856	54 317 252	53 364 200
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	935 493	2 466 939	2 157 621
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-36 518 743	-28 220 154	-31 673 087

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

Table 128  
**Norway's total quantities of Kyoto Protocol units by account type at the end of 2011 (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	197 478 782	95 123	NO	2 284 852	NO	NO
Entity holding	18 785 282	309 303	NO	2 942 117	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	32 966	NO	NO	60 305	NO	NO
Retirement	53 778 590	343 518	NO	3 770 523	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO



<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	270 075 620	747 944	NO	9 057 797	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 129

**Norway's total quantities of Kyoto Protocol units by account type at the end of 2012 (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	198 411 925	522 869	NO	6 092 122	NO	NO
Entity holding	187 268	226 537	NO	1 066 641	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	40 440	NO	NO	111 914	NO	NO
Retirement	72 911 347	343 518	NO	3 770 523	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
Total	271 550 980	1 092 924	NO	11 041 200	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 130

**Norway's total transactions of Kyoto Protocol units in 2012 (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	3 369 874	410 696	NO	4 657 201	NO	NO
Total transactions	3 369 874	410 696	NO	4 657 201	NO	NO
<i>Subtractions</i>						
Internal transactions	7 474	NO	NO	51 609	NO	NO
External transactions	1 894 514	65 716	NO	2 673 798	NO	NO
Total transactions	1 901 988	65 716	NO	2 725 407	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.

## XXVIII. Poland

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

59. Tables 131–135 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 131

### 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 2012 annual review	2 012 046 833	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 132

### Poland's emissions/removals of greenhouse gases in 2010 and 2011

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2010 (final values based on the 2012 submissions)</i>	<i>In 2010 (provisional values based on the 2013 submissions)</i>	<i>In 2011 (provisional values based on the 2013 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	402 409 367	401 670 354	399 389 547
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	-9 813 456	-5 590 800	-5 956 486
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-42 189 511	-28 043 339	-25 232 716

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

Table 133  
**Poland's total quantities of Kyoto Protocol units by account type at the end of 2011**  
**(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	1 807 357 553	39 940	NO	622 258	NO	NO
Entity holding	180 897 200	4 413 536	NO	19 055 773	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	564 089 355	2 061 462	NO	28 839 820	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>2 552 344 108</b>	<b>6 514 938</b>	<b>NO</b>	<b>48 517 851</b>	<b>NO</b>	<b>NO</b>

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

Table 134  
**Poland's total quantities of Kyoto Protocol units by account type at the end of 2012**  
**(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	1 889 243 137	6 609 664	NO	19 194 476	NO	NO
Entity holding	NO	513 187	NO	584 749	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	564 089 355	2 061 462	NO	28 840 820	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>2 453 332 492</b>	<b>9 184 313</b>	<b>NO</b>	<b>48 620 045</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 135  
**Poland's total transactions of Kyoto Protocol units in 2012 (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		5 913 325	NO			
External transactions	8 024 797	9 169 701	NO	10 202 846	NO	NO
Total transactions	8 024 797	15 083 026	NO	10 202 846	NO	NO
<i>Subtractions</i>						
Internal transactions	5 913 325	NO	NO	NO	NO	NO
External transactions	101 123 088	12 413 651	NO	10 100 652	NO	NO
Total transactions	107 036 413	12 413 651	NO	10 100 652	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.

## XXIX. Portugal

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

61. Tables 136–140 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 136  
**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 2012 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 137  
**Portugal's emissions/removals of greenhouse gases in 2010 and 2011**

Parameter	Emissions/removals of greenhouse gases (t CO <sub>2</sub> eq)		
	In 2010 (final values based on the 2012 submissions)	In 2010 (provisional values based on the 2013 submissions)	In 2011 (provisional values based on the 2013 submissions)
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	71 974 167	71 382 416	69 986 446
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	-1 949 805	-239 556	-908 043
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-9 988 136	1 467 297	-403 642

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

Table 138  
**Portugal's total quantities of Kyoto Protocol units by account type at the end of 2011 (final values)**

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding	255 539 763	NO	NO	NO	NO	NO
Entity holding	32 710 074	92 811	NO	4 623 936	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	77 268 429	319 988	NO	4 791 250	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
Total	365 518 266	412 799	NO	9 415 186	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 139  
**Portugal's total quantities of Kyoto Protocol units by account type at the end of 2012 (provisional values)**

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding	261 304 611	NO	NO	NO	NO	NO
Entity holding	4 400 000	985 549	NO	3 338 620	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	99 251 257	412 799	NO	7 688 901	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>364 955 868</b>	<b>1 398 348</b>	<b>NO</b>	<b>11 027 521</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 140

**Portugal's total transactions of Kyoto Protocol units in 2012 (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	1 822 960	3 166 342	NO	3 289 158	NO	NO
<b>Total transactions</b>	<b>1 822 960</b>	<b>3 166 342</b>	<b>NO</b>	<b>3 289 158</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	NO	NO	NO
External transactions	2 385 358	2 180 793	NO	1 676 823	NO	NO
<b>Total transactions</b>	<b>2 385 358</b>	<b>2 180 793</b>	<b>NO</b>	<b>1 676 823</b>	<b>NO</b>	<b>NO</b>

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

**XXX. Romania**

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

63. Tables 141–145 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 141  
**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
Commitment period reserve after the 2012 annual review	616 727 686	t CO <sub>2</sub> eq
Limitation on the additions to and subtractions from Romania's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	20 166 667	t CO <sub>2</sub> eq
Limitation on the total of additions to Romania's assigned amount resulting from eligible land use, land-use change and forestry project activities under Article 12 of the Kyoto Protocol	12 798 351	t CO <sub>2</sub> eq
Limit on additional removal units a Party may issue due to cancellations (emissions) under Article 3, paragraph 3, of the Kyoto Protocol	165	Mt CO <sub>2</sub> eq

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

Table 142  
**Romania's emissions/removals of greenhouse gases in 2010 and 2011**

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2010 (final values based on the 2012 submissions)</i>	<i>In 2010 (provisional values based on the 2013 submissions)</i>	<i>In 2011 (provisional values based on the 2013 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	123 001 260	116 621 196	123 345 537
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	102 261	102 249	105 913
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-22 468 156	-22 568 048	-20 851 338

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

Table 143  
**Romania's total quantities of Kyoto Protocol units by account type at the end of 2011 (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	980 052 706	800 000	NO	NO	NO	NO
Entity holding	31 126 022	1 058 189	NO	2 598 505	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	147 124 110	4 479 948	NO	8 618 591	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>1 158 302 838</b>	<b>6 338 137</b>	<b>NO</b>	<b>11 217 096</b>	<b>NO</b>	<b>NO</b>

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

Table 144  
**Romania's total quantities of Kyoto Protocol units by account type at the end of 2012 (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	954 564 852	1 949 671	NO	2 072 284	NO	NO
Entity holding	NO	3 215 771	NO	2 602 465	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	198 363 045	4 479 948	NO	8 618 591	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>1 152 927 897</b>	<b>9 645 390</b>	<b>NO</b>	<b>13 293 340</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  
**Romania's total transactions of Kyoto Protocol units in 2012 (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		5 274 546	NO			
External transactions	NO	2 952 535	NO	2 076 245	NO	NO
<b>Total transactions</b>	<b>NO</b>	<b>8 227 081</b>	<b>NO</b>	<b>2 076 245</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	5 274 546	NO	NO	NO	NO	NO
External transactions	100 395	4 919 828	NO	1	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	5 374 941	4 919 828	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.

## XXXI. Russian Federation

64. 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.

65. Tables 146–150 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 146

### 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 2012 annual review	11 604 171 915	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 147

### The Russian Federation's emissions/removals of greenhouse gases in 2010 and 2011

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2010 (final values based on the 2012 submissions)</i>	<i>In 2010 (provisional values based on the 2013 submissions)</i>	<i>In 2011 (provisional values based on the 2013 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	2 207 596 177	2 217 270 914	2 320 834 383
Net emissions or removals from LULUCF activities under Article 3,	16 107 353	16 108 179	15 450 687

Parameter	Emissions/removals of greenhouse gases (t CO <sub>2</sub> eq)		
	In 2010 (final values based on the 2012 submissions)	In 2010 (provisional values based on the 2013 submissions)	In 2011 (provisional values based on the 2013 submissions)
paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)			
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-548 411 212	-548 411 212	-527 958 567

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

Table 148  
**The Russian Federation's total quantities of Kyoto Protocol units by account type at the end of 2011 (final values)**

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding	16 497 081 029	NO	4 093 685	NO	NO	NO
Entity holding	65 426 860	4 302 755	NO	NO	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	26 607 307	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	NO	NO	NO	NO	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
Total	16 589 115 196	4 302 755	4 093 685	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 149  
**The Russian Federation's total quantities of Kyoto Protocol units by account type at the end of 2012 (provisional values)**

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding	16 290 488 012	NO	455 733 909	NO	NO	NO
Entity holding	60 573 149	27 929 248	NO	NO	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	26 607 307	NO	15 246 228	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	NO	NO	NO	NO	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>16 377 668 468</b>	<b>27 929 248 470 980 137</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 150

**The Russian Federation's total transactions of Kyoto Protocol units in 2012 (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		210 452 958	466 886 452			
External transactions	NO	NO	NO	NO	NO	NO
<b>Total transactions</b>	<b>NO</b>	<b>210 452 958</b>	<b>466 886 452</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	210 452 958	NO	15 246 228	NO	NO	NO
External transactions	993 770	186 826 465	NO	NO	NO	NO
<b>Total transactions</b>	<b>211 446 728</b>	<b>186 826 465</b>	<b>15 246 228</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.

## XXXII. Slovakia

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

67. Tables 151–155 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 151

**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 2012 annual review	226 484 821	t CO <sub>2</sub> eq
Limitation on the additions to and subtractions from Slovakia's assigned amount	9 166 667	t CO <sub>2</sub> eq

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol		
Limitation on the total of additions to 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 152

**Slovakia's emissions/removals of greenhouse gases in 2010 and 2011**

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2010 (final values based on the 2012 submissions)</i>	<i>In 2010 (provisional values based on the 2013 submissions)</i>	<i>In 2011 (provisional values based on the 2013 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	46 114 086	45 896 360	45 296 964
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	-331 360	-371 234	-489 326
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 153

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

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Party holding	184 577 328	NO	NO	NO	NO	NO
Entity holding	28 781 180	32 697	NO	904 375	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	61 405 910	11 899	NO	7 707 408	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
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	274 764 418	44 596	NO	8 611 783	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 154

**Slovakia's total quantities of Kyoto Protocol units by account type at the end of 2012 (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	186 500 911	NO	NO	NO	NO	NO
Entity holding	292 964	12 166	NO	139 706	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	82 656 783	115 477	NO	8 725 491	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	269 450 658	127 643	NO	8 865 197	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

**Slovakia's total transactions of Kyoto Protocol units in 2012 (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	7 819 050	288 689	NO	535 271	NO	NO
Total transactions	7 819 050	288 689	NO	535 271	NO	NO
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	NO	NO	NO
External transactions	13 132 810	205 642	NO	281 857	NO	NO
Total transactions	13 132 810	205 642	NO	281 857	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. Slovenia

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

69. Tables 156–160 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 156

**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 2012 annual review	84 265 734	t CO <sub>2</sub> eq
Limitation on the additions to and subtractions from Slovenia’s assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	6 600 000	t CO <sub>2</sub> eq
Limitation on the total of additions to Slovenia’s assigned amount resulting from eligible land use, land-use change and forestry project activities under Article 12 of the Kyoto Protocol	936 286	t CO <sub>2</sub> eq
Limit on additional removal units a Party may issue due to cancellations (emissions) under Article 3, paragraph 3, of the Kyoto Protocol	165	Mt CO <sub>2</sub> eq

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

Table 157

**Slovenia’s emissions/removals of greenhouse gases in 2010 and 2011**

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2010 (final values based on the 2012 submissions)</i>	<i>In 2010 (provisional values based on the 2013 submissions)</i>	<i>In 2011 (provisional values based on the 2013 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	19 522 127	19 481 880	19 509 385
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	359 429	306 465	232 841
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-10 307 986	-11 575 613	-11 576 429

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

Table 158  
**Slovenia's total quantities of Kyoto Protocol units by account type at the end of 2011**  
**(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	60 769 496	NO	NO	NO	NO	NO
Entity holding	7 886 543	372 163	NO	175 237	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	23 221 951	548 673	NO	1 286 367	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>91 877 990</b>	<b>920 836</b>	<b>NO</b>	<b>1 461 604</b>	<b>NO</b>	<b>NO</b>

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

Table 159  
**Slovenia's total quantities of Kyoto Protocol units by account type at the end of 2012**  
**(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	56 751 275	NO	NO	NO	NO	NO
Entity holding	NO	242 295	NO	14 561	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	30 425 764	1 179 854	NO	1 452 130	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>87 177 039</b>	<b>1 422 149</b>	<b>NO</b>	<b>1 466 691</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  
Slovenia's total transactions of Kyoto Protocol units in 2012 (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	84 880	1 929 288	NO	501 885	NO	NO
Total transactions	84 880	1 929 288	NO	501 885	NO	NO
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	NO	NO	NO
External transactions	4 785 831	1 427 975	NO	496 798	NO	NO
Total transactions	4 785 831	1 427 975	NO	496 798	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. Spain

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

71. Tables 161–165 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 161  
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 2012 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 162  
Spain's emissions/removals of greenhouse gases in 2010 and 2011

Parameter	Emissions/removals of greenhouse gases (t CO <sub>2</sub> eq)		
	In 2010 (final values based on the 2012 submissions)	In 2010 (provisional values based on the 2013 submissions)	In 2011 (provisional values based on the 2013 submissions)
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	355 901 637	348 641 307	350 483 690
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	-6 379 211	-6 368 664	-6 331 306
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-21 505 856	-21 917 223	-22 179 536

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

Table 163  
Spain's total quantities of Kyoto Protocol units by account type at the end of 2011 (final values)

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding	1 110 942 733	207 575	NO	5 771 126	NO	NO
Entity holding	158 087 693	8 996 192	NO	27 447 064	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	722	11	NO	NO	NO	NO
Retirement	380 311 687	3 616 781	NO	38 060 034	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
Total	1 649 342 835	12 820 559	NO	71 278 224	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 164  
Spain's total quantities of Kyoto Protocol units by account type at the end of 2012 (provisional values)

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding	1 238 188 048	263 681	NO	4 038 721	785 417	NO
Entity holding	NO	2 137 486	NO	24 241 347	68 015	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	722	11	NO	NO	NO	NO
Retirement	485 501 839	10 452 283	NO	58 661 441	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>1 723 690 609</b>	<b>12 853 461</b>	<b>NO</b>	<b>86 941 509</b>	<b>853 432</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

**Spain's total transactions of Kyoto Protocol units in 2012 (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		112 809	NO			
External transactions	111 406 683	15 960 334	NO	39 371 000	853 432	NO
<b>Total transactions</b>	<b>111 406 683</b>	<b>16 073 143</b>	<b>NO</b>	<b>39 371 000</b>	<b>853 432</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	112 809	NO	NO	NO	NO	NO
External transactions	36 946 100	16 040 241	NO	23 707 715	NO	NO
<b>Total transactions</b>	<b>37 058 909</b>	<b>16 040 241</b>	<b>NO</b>	<b>23 707 715</b>	<b>NO</b>	<b>NO</b>

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

## XXXV. Sweden

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

73. Tables 166–170 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 166

**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

<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	375 188 561	t CO <sub>2</sub> eq
Commitment period reserve after the 2012 annual review	307 244 703	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 167

**Sweden's emissions/removals of greenhouse gases in 2010 and 2011**

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2010 (final values based on the 2012 submissions)</i>	<i>In 2010 (provisional values based on the 2013 submissions)</i>	<i>In 2011 (provisional values based on the 2013 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	66 271 363	65 487 394	61 448 941
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	1 969 775	1 636 898	1 657 167
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-36 927 189	-33 613 558	-37 585 862

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

Table 168

**Sweden's total quantities of Kyoto Protocol units by account type at the end of 2011 (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	286 481 641	NO	NO	NO	NO	NO
Entity holding	21 598 283	1 165 527	NO	3 642 178	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	18 621	NO	NO	405 587	NO	NO
Retirement	58 438 679	476	NO	1 813 123	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO

<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	366 537 224	1 166 003	NO	5 860 888	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 169

**Sweden's total quantities of Kyoto Protocol units by account type at the end of 2012 (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	288 070 658	332 326	NO	371 673	NO	NO
Entity holding	190 975	978 740	NO	5 850 858	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	18 690	NO	NO	522 022	NO	NO
Retirement	77 032 229	19 628	NO	3 408 255	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	365 312 552	1 330 694	NO	10 152 808	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

**Sweden's total transactions of Kyoto Protocol units in 2012 (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		841 361	NO			
External transactions	1 179 012	1 933 169	NO	11 358 044	NO	NO
Total transactions	1 179 012	2 774 530	NO	11 358 044	NO	NO
<i>Subtractions</i>						
Internal transactions	841 430	NO	NO	116 435	NO	NO
External transactions	1 562 323	2 609 839	NO	7 066 124	NO	NO
Total transactions	2 403 753	2 609 839	NO	7 182 559	NO	NO

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

## XXXVI. Switzerland

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

75. Tables 171–175 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 171

### 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 2012 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 172

### Switzerland's emissions/removals of greenhouse gases in 2010 and 2011

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2010 (final values based on the 2012 submissions)</i>	<i>In 2010 (provisional values based on the 2013 submissions)</i>	<i>In 2011 (provisional values based on the 2013 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	54 222 722	54 087 513	50 009 684
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	215 415	202 074	200 661
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-850 384	-2 884 023	-2 936 198

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

Table 173  
**Switzerland's total quantities of Kyoto Protocol units by account type at the end of 2011 (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	229 124 568	NO	889 349	28 740	NO	NO
Entity holding	61 584 711	7 637 735	NO	21 331 575	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	172 587	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	20	NO	NO	578 809	NO	NO
Retirement	NO	NO	NO	NO	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>290 881 886</b>	<b>7 637 735</b>	<b>889 349</b>	<b>21 939 124</b>	<b>NO</b>	<b>NO</b>

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

Table 174  
**Switzerland's total quantities of Kyoto Protocol units by account type at the end of 2012 (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	237 265 784	NO	1 523 682	49 100	NO	NO
Entity holding	34 083 269	56 967 362	NO	43 513 253	74 930	NO
Article 3, paragraphs 3 and 4, net source cancellation	172 587	NO	345 431	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	84	NO	NO	750 158	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>271 521 724</b>	<b>56 967 362</b>	<b>1 869 113</b>	<b>44 312 511</b>	<b>74 930</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 175  
**Switzerland's total transactions of Kyoto Protocol units in 2012 (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	979 764			
External transactions	34 105 658	345 090 673	NO	177 617 154	74 930	NO
Total transactions	34 105 658	345 090 673	979 764	177 617 154	74 930	NO
<i>Subtractions</i>						
Internal transactions	64	NO	345 431	171 349	NO	NO
External transactions	53 465 820	295 761 046	NO	155 243 767	NO	NO
Total transactions	53 465 884	295 761 046	345 431	155 415 116	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. Ukraine

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

77. Tables 176–180 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 176  
**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 for the first commitment period	4 604 184 663	t CO <sub>2</sub> eq
Commitment period reserve after the 2012 annual review	1 915 907 909	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 177  
Ukraine's emissions/removals of greenhouse gases in 2010 and 2011

Parameter	Emissions/removals of greenhouse gases (t CO <sub>2</sub> eq)		
	In 2010 (final values based on the 2012 submissions)	In 2010 (provisional values based on the 2013 submissions)	In 2011 (provisional values based on the 2013 submissions)
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	383 181 582	383 211 391	401 576 280
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	-505 304	-505 304	-594 997
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-55 816 816	-55 816 816	-61 282 085

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

Table 178  
Ukraine's total quantities of Kyoto Protocol units by account type at the end of 2011 (final values)

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding	4 445 002 700	NO	NO	NO	NO	NO
Entity holding	NO	NO	NO	NO	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	NO	NO	NO	NO	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
Total	4 445 002 700	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 179  
Ukraine's total quantities of Kyoto Protocol units by account type at the end of 2012 (provisional values)

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding	4 163 258 438	138 833	NO	NO	NO	NO
Entity holding	NO	NO	NO	NO	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		



<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	NO	NO	NO	NO	NO	NO
Retirement	NO	NO	NO	NO	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
<b>Total</b>	<b>4 163 258 438</b>	<b>138 833</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 180

**Ukraine's total transactions of Kyoto Protocol units in 2012 (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		282 104 386	NO			
External transactions	720 248	NO	NO	NO	NO	NO
<b>Total transactions</b>	<b>720 248</b>	<b>282 104 386</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>
<i>Subtractions</i>						
Internal transactions	282 104 386	NO	NO	NO	NO	NO
External transactions	360 124	281 965 553	NO	NO	NO	NO
<b>Total transactions</b>	<b>282 464 510</b>	<b>281 965 553</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.

**XXXVIII. United Kingdom of Great Britain and Northern Ireland**

78. 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.

79. Tables 181–186 provide detailed information on 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 181

**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	87.5	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	3 412 080 630	t CO <sub>2</sub> eq
Commitment period reserve after the 2012 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 182

**The United Kingdom's emissions/removals of greenhouse gases in 2010 and 2011**

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO<sub>2</sub> eq)</i>		
	<i>In 2010 (final values based on the 2012 submissions)</i>	<i>In 2010 (provisional values based on the 2013 submissions)</i>	<i>In 2011 (provisional values based on the 2013 submissions)</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol	599 414 598	597 779 288	556 457 826
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)	-2 222 128	-2 418 183	-2 506 721
Net emissions or removals from LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol	-7 490 599	-7 491 986	-7 222 124

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

Table 183

**The United Kingdom's total quantities of Kyoto Protocol units by account type at the end of 2011 (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	2 444 524 126	NO	NO	NO	NO	NO
Entity holding	615 721 454	7 436 727	NO	57 074 256	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	36 229	NO	NO	1 537 646	NO	NO
Retirement	717 684 800	1 894 808	NO	15 639 559	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Total	3 777 966 609	9 331 535	NO	74 251 461	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 184

**The United Kingdom's total quantities of Kyoto Protocol units by account type at the end of 2012 (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	2 829 669 817	117 217	NO	56 031	NO	NO
Entity holding	17 310	85 244 678	NO	32 557 906	NO	NO
Article 3, paragraphs 3 and 4, net source cancellation	NO	NO	NO	NO		
Non-compliance cancellation	NO	NO	NO	NO		
Other cancellation	36 687	NO	NO	1 869 841	NO	NO
Retirement	922 284 658	3 234 025	NO	30 271 290	NO	NO
tCER replacement for expiry	NO	NO	NO	NO	NO	
ICER replacement for expiry	NO	NO	NO	NO		
ICER replacement for reversal in storage	NO	NO	NO	NO		NO
ICER replacement for non-submission of certification report	NO	NO	NO	NO		NO
Total	3 752 008 472	88 595 920	NO	64 755 068	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 185

**The United Kingdom's total transactions of Kyoto Protocol units in 2012 (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	124 274 211	274 776 953	4 250 000	255 741 856	NO	NO
Total transactions	124 274 211	274 776 953	4 250 000	255 741 856	NO	NO
<i>Subtractions</i>						
Internal transactions	458	NO	NO	332 195	NO	NO
External transactions	150 232 348	195 512 568	4 250 000	265 238 249	NO	NO
Total transactions	150 232 806	195 512 568	4 250 000	265 570 444	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.