



COMPLIANCE COMMITTEE

CC/2017/1
11 October 2017

**Annual compilation and accounting report for
Annex B Parties under the Kyoto Protocol
for 2017**

Note by the secretariat

The annual compilation and accounting report for Annex B Parties under the Kyoto Protocol and the addendum to this report were published on 20 September 2017. For purposes of rule 10, paragraph 2, of the rules of procedure of the Compliance Committee (annex to decision 4/CMP.2, as amended by decisions 4/CMP.4 and 8/CMP.9), the report and its addendum are considered received by the secretariat on the same date. This report, FCCC/KP/CMP/2017/3 and its addendum, FCCC/KP/CMP/2017/3/Add.1, contained in the annex to this note, are being forwarded to the Compliance Committee in accordance with paragraph 4 of decision 13/CMP.1.



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

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Reporting from and review of Parties included in Annex I¹

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

**Annual compilation and accounting report for Annex B
Parties under the Kyoto Protocol for 2017**

Note by the secretariat

Summary

The Conference of the Parties serving as the meeting of the Parties to the Kyoto Protocol, by decision 13/CMP.1, requested the secretariat to begin publishing annual compilation and accounting reports after completion of the initial review under Article 8 of the Kyoto Protocol and resolution of any questions of implementation. This report contains: key initial accounting parameters, based on the reports on the review of the reports to facilitate the calculation of the assigned amount for the second commitment period of the Kyoto Protocol, where available; information on transactions and holdings of Kyoto Protocol units reported in 2017; and data on greenhouse gas emissions for Parties included in Annex I¹ with commitments inscribed in the third column of Annex B in the Doha Amendment to the Kyoto Protocol as contained in annex I to decision 1/CMP.8. The information contained in this report is based on both final values (from the reviews of the 2016 annual submissions and of the reports to facilitate the calculation of the assigned amount for the second commitment period, where available) and provisional values (from the 2017 annual submissions and the reports to facilitate the calculation of the assigned amount for the second commitment period, both as reported by Parties). The final values will be made available upon completion of the associated reviews and the resolution of any questions of implementation.

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

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I. Introduction

A. Mandate

1. Parties to the Convention that are also Parties to the Kyoto Protocol with commitments inscribed in Annex B to the Kyoto Protocol (Annex B Parties) were required to start reporting supplementary information under Article 7, paragraph 1, of the Kyoto Protocol with the inventory submission due under the Convention for the first year of the commitment period after the Kyoto Protocol had entered into force for that Party.² The information reported shall include the following:

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

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

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

2. The Conference of the Parties serving as the meeting of the Parties to the Kyoto Protocol (CMP), by decision 13/CMP.1 in conjunction with decision 3/CMP.11, requested the secretariat to publish annual compilation and accounting reports after completion of the initial review under Article 8 of the Kyoto Protocol and resolution of any questions of implementation relating to adjustments under Article 5, paragraph 2, of the Kyoto Protocol or to the assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment to the Kyoto Protocol as contained in annex I to decision 1/CMP.8 (hereinafter referred to as the Doha Amendment), and to forward the report to the CMP, the Compliance Committee and each Party concerned.

B. Scope of the note

3. This annual compilation and accounting report has been prepared prior to the completion of the review of all reports to facilitate the calculation of the assigned amount for the second commitment period (hereinafter referred to as the initial reports) under Article 8 of the Kyoto Protocol and the resolution of any questions of implementation relating to adjustments under Article 5, paragraph 2, of the Kyoto Protocol or to the assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment.

4. This report covers all 38 Annex B Parties and contains information reported and reviewed as at 6 September 2017³ on the initial accounting parameters for the second commitment period of the Kyoto Protocol and relevant supplementary information reported under Article 7, paragraph 1, of the Kyoto Protocol.

5. In addition, it includes an overview of the provisional information reported by Parties in 2017 as at 6 September 2017 on: (1) total GHG emissions from the sources listed in Annex A to the Kyoto Protocol reported for 2014 and 2015; (2) GHG emissions and removals from LULUCF activities under Article 3, paragraph 3, forest management under Article 3, paragraph 4, and any other elected activities under Article 3, paragraph 4, of the Kyoto

² Decision 15/CMP.1, paragraph 2.

³ The accounting parameters presented in this report are based on the final values available in the initial review reports published as at 6 September 2017; where initial review reports had not been published, the accounting parameters are based, where available, on the provisional values contained in the initial reports for the second commitment period as reported by Parties. Similarly, where the review of annual information submitted by Parties has been completed, the associated values are presented as final; and where it is still pending, the values are provisional.

Protocol for 2014 and 2015; and (3) transactions and holdings of Kyoto Protocol units as at 31 December 2016.

6. Some of the information presented in this report, particularly that reported in 2017, is provisional. The final values will be made available upon completion of the review of the initial reports and the annual review of the GHG inventories submitted in 2017 and resolution of any questions of implementation, and will be presented in future reports, as appropriate.

7. Information is also provided in this report on the eligibility of the 38 Annex B Parties to participate in the flexibility mechanisms under the Kyoto Protocol.

8. Detailed information on assigned amounts of individual Annex B Parties and other accounting information provided under the Kyoto Protocol, where applicable, is contained in document FCCC/KP/CMP/2017/3/Add.1, which also contains relevant information reported in accordance with decision 2/CMP.8, paragraph 4, and decision 3/CMP.11, paragraph 14, and other information reported on a voluntary basis by Parties that do not have commitments inscribed in the third column of Annex B in the Doha Amendment (Japan, New Zealand and Russian Federation).

9. The initial reports, initial review reports and annual submissions of GHG inventories and accounting information reported by Parties are available on the UNFCCC website.⁴

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

10. The CMP may wish to take note of the information contained in this document and to take further action, if required.

II. Status of reporting and eligibility

A. Status of initial report submissions, annual submissions and the review process

11. As at 6 September 2017, 37 Annex B Parties⁵ had submitted their initial reports in accordance with decision 2/CMP.8, for which the review reports (following the technical review conducted in accordance with the “Guidelines for review under Article 8 of the Kyoto Protocol”⁶) for 31 Parties had been published (the dates of submission of the former and publication of the latter are shown in table 1).

Table 1

Status of submission of initial reports of Annex B Parties for the second commitment period and publication of initial review reports

<i>Annex B Party</i>	<i>Doha Amendment acceptance date</i>	<i>Second commitment period initial report original submission date</i>	<i>Second commitment period initial review report publication date</i>
Australia	9 November 2016	7 May 2016	26 April 2017
Austria	–	15 June 2016	31 May 2017
Belarus ^a	–	–	–
Belgium	–	15 June 2016	20 June 2017
Bulgaria	–	27 May 2016	21 June 2017
Croatia	–	15 June 2016	28 March 2017
Cyprus	10 December 2015	15 June 2016	–
Czechia	–	15 June 2016	31 August 2017
Denmark	–	15 June 2016	9 August 2017
Estonia	–	15 June 2016	22 March 2017
European Union	–	23 September 2016	–

⁴ <http://unfccc.int/10116.php> and <http://unfccc.int/9499.php>.

⁵ Belarus had not yet submitted its initial report by 6 September 2017.

⁶ Decision 22/CMP.1, annex, in conjunction with decision 4/CMP.11.

<i>Annex B Party</i>	<i>Doha Amendment acceptance date</i>	<i>Second commitment period initial report original submission date</i>	<i>Second commitment period initial review report publication date</i>
Finland	–	29 June 2016	15 March 2017
France	–	16 June 2016	26 July 2017
Germany	–	15 June 2016	12 April 2017
Greece	–	15 June 2016	31 August 2017
Hungary	1 October 2015	15 June 2016	8 March 2017
Iceland	7 October 2015	19 September 2016	29 March 2017
Ireland	–	17 June 2016	20 July 2017
Italy	18 July 2016	15 April 2016	31 May 2017
Kazakhstan	–	4 July 2017	–
Latvia	–	15 June 2016	7 March 2017
Liechtenstein	23 February 2015	15 April 2016	–
Lithuania	–	16 June 2016	6 March 2017
Luxembourg	–	1 August 2016	30 August 2017
Malta	–	29 July 2016	21 July 2017
Monaco	27 December 2013	4 August 2017	–
Netherlands	–	15 June 2016	23 June 2017
Norway	12 June 2014	15 April 2016	27 March 2017
Poland	–	14 June 2016	20 June 2017
Portugal	–	15 June 2016	5 September 2017
Romania	3 May 2016	15 June 2016	21 June 2017
Slovakia	–	15 June 2016	3 March 2017
Slovenia	–	15 June 2016	22 August 2017
Spain	–	13 June 2016	14 July 2017
Sweden	–	15 June 2016	6 April 2017
Switzerland	28 August 2015	15 April 2016	19 April 2017
Ukraine	–	10 June 2016	19 April 2017
United Kingdom	–	1 July 2016	–

^a Party had not yet submitted its initial report as at 6 September 2017.

12. As at 6 September 2017, all 38 Annex B Parties had submitted the common reporting format table component of their 2017 annual GHG inventory, with 37 Parties⁷ also having submitted their national inventory report. Thirty-six of those Parties had also submitted information on GHG emissions and removals from LULUCF activities under Article 3, paragraph 3, forest management under Article 3, paragraph 4, and elected activities under Article 3, paragraph 4, of the Kyoto Protocol.⁸

13. As at 6 September 2017, 34 Annex B Parties had also submitted standard electronic format (SEF) tables for the period from 1 January to 31 December 2016.⁹

B. Status of eligibility

14. The status of eligibility of Annex B Parties to participate in the flexibility mechanisms under the Kyoto Protocol pursuant to decisions 3/CMP.1, 9/CMP.1, 11/CMP.1, 15/CMP.1 and 1/CMP.8 is provided in table 2.

15. The status of eligibility will be updated in the compilation and accounting database once the annual review of the relevant information reported in 2017 has been completed and any questions of implementation have been resolved.

⁷ Monaco had not yet submitted its national inventory report as at 6 September 2017.

⁸ Belarus and Monaco had not yet submitted such information as at 6 September 2017.

⁹ As at 6 September 2017, Belarus, Kazakhstan, Malta and Monaco had not yet submitted SEF tables for the second commitment period of the Kyoto Protocol for the period from 1 January to 31 December 2016.

Table 2
Status of eligibility of Annex B Parties to participate in the Kyoto Protocol mechanisms

<i>Annex B Party</i>	<i>Status</i>	<i>Last change in eligibility status (date and time)^a</i>
Australia	E	11 July 2009, 00:00:01
Austria	E	5 April 2008, 00:00:01
Belarus ^b	–	–
Belgium	E	22 April 2008, 00:00:01
Bulgaria	E	4 February 2011, 15:42:12
Croatia	E	8 February 2012, 09:53:32
Cyprus ^b	–	–
Czechia	E	24 February 2008, 00:00:01
Denmark	E	20 April 2008, 00:00:01
Estonia	E	15 April 2008, 00:00:01
European Union	E	18 April 2008, 00:00:01
Finland	E	22 April 2008, 00:00:01
France	E	21 April 2008, 00:00:01
Germany	E	27 April 2008, 00:00:01
Greece	E	14 November 2008, 09:00:00
Hungary	E	30 December 2007, 00:00:01
Iceland	E	11 May 2008, 00:00:01
Ireland	E	19 April 2008, 00:00:01
Italy	E	19 April 2008, 00:00:01
Kazakhstan ^b	–	–
Latvia	E	29 April 2008, 00:00:01
Liechtenstein	E	22 April 2008, 00:00:01
Lithuania	E	24 October 2012, 10:47:02
Luxembourg	E	29 April 2008, 00:00:01
Malta ^b	–	–
Monaco	E	7 September 2008, 00:00:01
Netherlands	E	21 April 2008, 00:00:01
Norway	E	22 April 2008, 00:00:01
Poland	E	29 April 2008, 00:00:01
Portugal	E	28 April 2008, 00:00:01
Romania	E	13 July 2012, 12:42:59
Slovakia	E	4 February 2008, 00:00:01
Slovenia	E	22 April 2008, 00:00:01
Spain	E	19 April 2008, 00:00:01
Sweden	E	19 April 2008, 00:00:01
Switzerland	E	10 March 2008, 00:00:01
Ukraine	E	9 March 2012, 15:32:22
United Kingdom	E	11 April 2008, 00:00:01

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

annex, paragraph 32; and Article 17, pursuant to decision 11/CMP.1, annex, paragraph 3.

^a All times are in Greenwich Mean Time.

^b The eligibility of the Party to participate in the flexibility mechanisms under the Kyoto Protocol had not been established as at 6 September 2017. See decision 1/CMP.8 in conjunction with decision 11/CMP.1, annex, paragraphs 2 and 3; decision 9/CMP.1, annex, paragraphs 21 and 22; and decision 3/CMP.1, annex, paragraphs 31 and 32.

III. Main accounting parameters

A. Key initial accounting parameters

16. Table 3 shows the base years chosen for the accounting of fluorinated gases (i.e. hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), sulphur hexafluoride (SF₆) and nitrogen trifluoride (NF₃)), the GHG emissions from the sources listed in Annex A to the Kyoto Protocol in the base year, and the assigned amounts established pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment.

1. Total base-year greenhouse gas emissions used for calculation of assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment

17. Article 3, paragraphs 8 and 8 bis, of the Doha Amendment allow any Party included in Annex I¹⁰ to use 1995 as its base year for HFCs, PFCs and SF₆ and 1995 or 2000 as the base year for total emissions of NF₃ for the purpose of calculating its assigned amount pursuant to Article 3, paragraph 7 bis, of the Doha Amendment. The European Union has multiple base years (1990, 1995 or 2000) for fluorinated gases, depending on the base year elected by the individual member States and Iceland.

18. The total GHG emissions of 37 Annex B Parties¹¹ in the base year¹² amounted to 7,878.8 million tonnes of carbon dioxide equivalent (Mt CO₂ eq), including total GHG emissions of 7,725.2 Mt CO₂ eq from the sources listed in Annex A to the Kyoto Protocol and emissions from LULUCF (net emissions and removals in the base year from the conversion of forests (deforestation) of 153.7 Mt CO₂ eq.

Table 3

Base-year emissions and assigned amounts for the second commitment period of the Kyoto Protocol

Party	Base year defined under the Kyoto Protocol ^a			Base-year emissions ^b (t CO ₂ eq)	Emission reduction/limitation target (% of base year level ^c)	Assigned amount (t CO ₂ eq)
	CO ₂ , CH ₄ and N ₂ O	HFCs, PFCs and SF ₆	NF ₃			
Australia	1990	1990	1990	566 786 410	99.5	4 511 619 826
Austria	1990	1990	2000	78 855 136	80.0	405 712 317
Belarus ^d	–	–	–	–	–	–
Belgium	1990	1995	1995	147 811 094	80.0	584 228 513
Bulgaria	1988	1995	1995	114 105 323	80.0	222 945 983
Croatia	1990	1990	2000	31 204 631	80.0	162 271 086
Cyprus ^e	1990	1995	1995	5 560 247	80.0	47 450 128
Czechia	1990	1995	1995	198 316 406	80.0	520 515 203
Denmark	1990	1995	1995	70 801 910	80.0	269 377 890
Estonia	1990	1995	1995	39 996 697	80.0	51 056 976
European Union ^{e,f}	1990	1990 or 1995	1995 or 2000	5 879 036 636	80.0	37 625 402 324
Finland	1990	1995	1995	71 350 147	80.0	240 544 599
France	1990	1990	1995	548 055 757	80.0	3 014 714 832
Germany	1990	1995	1995	1 253 599 336	80.0	3 592 699 888
Greece	1990	1995	2000	107 564 136	80.0	480 791 166
Hungary	1985– 1987	1995	1995	109 574 819	80.0	434 486 280

¹⁰ The term “Party included in Annex I” is defined in Article 1, paragraph 7, of the Kyoto Protocol.

¹¹ The total includes the emissions of the European Union but excludes the emissions of the individual European Union member States and Iceland, in order to avoid double counting.

¹² The total GHG emissions in the base year refers to the total GHG emissions that were used for the calculation of assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment.

Party	Base year defined under the Kyoto Protocol ^a			Base-year emissions ^b (t CO ₂ eq)	Emission reduction/limitation target (% of base year level ^c)	Assigned amount (t CO ₂ eq)
	CO ₂ , CH ₄ and N ₂ O	HFCs, PFCs and SF ₆	NF ₃			
Iceland	1990	1990	1995	3 633 558	80.0	15 327 217
Ireland	1990	1995	1995	56 425 830	80.0	343 519 892
Italy	1990	1990	1995	521 920 601	80.0	2 410 291 421
Kazakhstan ^{g, h}	1990	1995	Value not reported	389 104 468	95.0	2 957 193 957
Latvia	1990	1995	1995	26 409 077	80.0	76 633 439
Liechtenstein ^e	1990	1990	1990	233 756	84.0	1 570 840
Lithuania	1990	1995	1995	48 196 540	80.0	113 600 821
Luxembourg	1990	1995	1995	13 141 245	80.0	72 454 473
Malta	1990	1990	1995	1 974 638	80.0	9 299 769
Monaco ^g	1990	1995	1990	99 312	78.0	619 707
Netherlands	1990	1995	1995	223 950 669	80.0	924 777 902
Norway	1990	1990	2000	51 921 771	84.0	348 914 303
Poland	1988	1995	2000	580 020 010	80.0	1 583 938 824
Portugal	1990	1995	2000	65 028 094	80.0	429 581 969
Romania	1989	1989	2000	304 920 568	80.0	656 059 490
Slovakia	1990	1990	2000	74 271 511	80.0	202 268 939
Slovenia	1986	1995	1995	20 327 584	80.0	99 425 782
Spain	1990	1995	1995	283 361 698	80.0	1 766 877 232
Sweden	1990	1995	1995	72 057 123	80.0	315 554 578
Switzerland	1990	1990	1990	53 706 729	84.2	361 768 524
Ukraine	1990	1990	1990	937 954 204	76.0	5 702 761 558
United Kingdom ^e	1990	1995	1995	803 200 000	80.0	2 744 937 332
Total^f				7 878 843 286		51 509 851 039

Note: The information in this table is based on the final values available in the initial review reports published as at 6 September 2017, unless stated otherwise (see table footnotes).

^a Parties included in Annex I may choose to use 1995 as the base year for total emissions of HFCs, PFCs, SF₆ and 1995 or 2000 as the base year for emissions of NF₃ in accordance with Article 3, paragraphs 8 and 8 bis, of the Doha Amendment.

^b Refers to the total base-year greenhouse gas emissions used for the calculation of assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment. Note that the following Parties included net emissions from land use, land-use change and forestry (deforestation) in their total greenhouse gas emissions for the base year in accordance with Article 3, paragraph 7 bis, of the Doha Amendment and decision 13/CMP.1, annex, paragraph 5(b): Australia: 148,163,361 t CO₂ eq; Denmark: 8,807 t CO₂ eq; European Union: 5,517,296 t CO₂ eq; Ireland: 8,230 t CO₂ eq; Luxembourg: 268,381 t CO₂ eq; Netherlands: 752,270 t CO₂ eq; Portugal: 4,276,759 t CO₂ eq; and United Kingdom of Great Britain and Northern Ireland: 246,048 t CO₂ eq.

^c The emission reduction/limitation target is taken from the third column of Annex B in the Doha Amendment to the Kyoto Protocol as contained in annex I to decision 1/CMP.8. For the second commitment period, the European Union and its 28 member States and Iceland agreed to meet their targets jointly in accordance with Article 4 of the Kyoto Protocol. The joint fulfilment agreement has not as yet been deposited and circulated in accordance with Article 4 of the Kyoto Protocol. However, the secretariat was notified by the European Union of the conditions of the agreement and the intention of the European Union and its member States to deposit it upon ratification of the Doha Amendment at the time of the submission of the report pursuant to decision 2/CMP.8 made in accordance with paragraph 6 of decision 1/CMP.8.

^d Belarus had not yet submitted its initial report for the second commitment period as at 6 September 2017.

^e As at 6 September 2017, the initial review reports for Cyprus, European Union, Liechtenstein and United Kingdom of Great Britain and Northern Ireland had not yet been published. For these Parties the information in this table is based on the provisional values contained in the initial report for the second commitment period as reported by the Parties.

^f The assigned amount of the European Union in the table results from the calculation of the percentage (80 per cent) for the European Union, its member States and Iceland inscribed in the third column of Annex B in the Doha Amendment to the Kyoto Protocol as contained in annex I to decision 1/CMP.8 of its base year emissions, multiplied by eight (37,625,402,324 t CO₂ eq). As per the initial report of the European Union, this represents the joint assigned amount of the European Union, its member States and Iceland, which is the sum of the assigned amount of the 28

member States and Iceland (21,791,067,463 t CO₂ eq) and the assigned amount of the European Union (15,834,334,860 t CO₂ eq), determined in line with the terms of the joint fulfilment agreement.

^g As at 6 September 2017, the review of the initial reports of Kazakhstan and Monaco was in progress; as such, the information in this table is based on the information contained in the initial reports for the second commitment period as reported by the Parties.

^h In its initial report, submitted on 4 July 2017, Kazakhstan did not provide a value for the base year for emissions of NF₃.

ⁱ The total includes the assigned amount of the European Union but does not include the assigned amounts of the individual member States and Iceland, in order to avoid double counting.

2. Assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment

19. Pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment, the assigned amount for the second commitment period of the Kyoto Protocol for each Party included in Annex I is calculated as the percentage inscribed for it in the third column of Annex B in the Doha Amendment of its aggregate anthropogenic CO₂ eq emissions of the GHGs from sources listed in Annex A to the Kyoto Protocol in the base year, multiplied by eight. The assigned amounts for the 28 European Union member States and Iceland have been calculated under the joint fulfilment agreement of the European Union for meeting commitments under the Kyoto Protocol. The joint fulfilment agreement has not as yet been deposited and circulated in accordance with Article 4 of the Kyoto Protocol. However, the secretariat was notified by the European Union of the conditions of the agreement and the intention of the European Union and its member States to deposit it upon ratification of the Doha Amendment at the time of the submission of the report pursuant to decision 2/CMP.8 made in accordance with paragraph 6 of decision 1/CMP.8.

20. For the second commitment period, the total assigned amount of 37¹³ Annex B Parties taken together is 51,509,851,039 t CO₂ eq. The assigned amount of the European Union results from the calculation of the percentage (80 per cent) for the European Union, its member States and Iceland inscribed in the third column of Annex B in the Doha Amendment of the base-year emissions, multiplied by eight (37,625,402,324 t CO₂ eq). As per the initial report of the European Union, this represents the joint assigned amount of the European Union, its member States and Iceland, which is the sum of the assigned amount of the 28 member States and Iceland (21,791,067,463 t CO₂ eq) and the assigned amount of the European Union (15,834,334,860 t CO₂ eq), determined in line with the terms of the joint fulfilment agreement.

B. Greenhouse gas emissions and removals in 2014 and 2015

21. The aggregated totals for Annex B Parties presented in this section include the emissions of the European Union but exclude the emissions of its individual member States and Iceland, in order to avoid double counting. The totals in this section could not include Belarus as it had not yet submitted its initial report for the second commitment period of the Kyoto Protocol as at 6 September 2017.

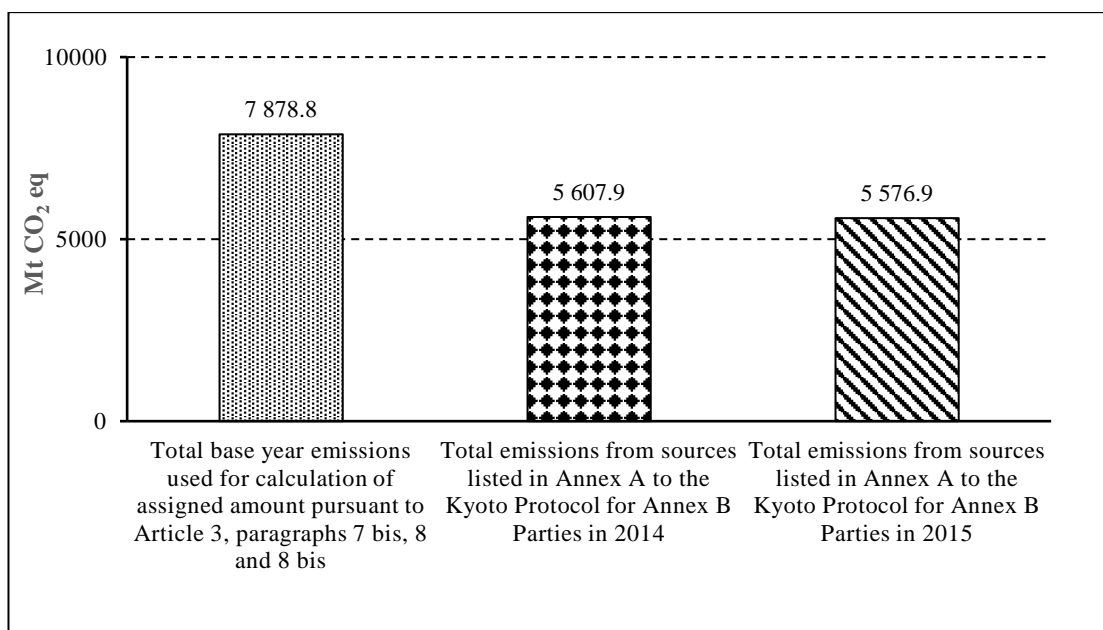
22. The information on GHG emissions provided here includes indirect CO₂ emissions, where reported.

1. Emissions from sources listed in Annex A to the Kyoto Protocol in 2014 and 2015

23. On the basis of the information submitted by Annex B Parties, the total GHG emissions of Annex B Parties from sources listed in Annex A to the Kyoto Protocol in 2015 amounted to 5,577 Mt CO₂ eq. This is 29.2 per cent lower than the base-year level defined under the Kyoto Protocol and 0.6 per cent lower than the 2014 level (see the figure below).

¹³ The total includes the assigned amount of the European Union but does not include the assigned amounts of the individual member States and Iceland, in order to avoid double counting. The total also does not include the assigned amount of Belarus, which had not yet submitted its initial report for the second commitment period of the Kyoto Protocol as at 6 September 2017.

Total greenhouse gas emissions for Annex B Parties from sources listed in Annex A to the Kyoto Protocol in 2014 and 2015



Notes: (1) The values for the total greenhouse gas emissions from sources listed in Annex A to the Kyoto Protocol for Annex B Parties in 2014 and 2015, which are based on information submitted in 2017, are presented here provisionally and may change depending on the outcomes of the ongoing annual reviews; (2) the totals include the emissions of the European Union but not of its individual member States and Iceland; (3) the totals could not include the emissions of Belarus as it had not yet submitted its initial report for the second commitment period of the Kyoto Protocol as at 6 September 2017.

2. Difference in the data for 2014 on emissions from Annex A sources between the 2016 and 2017 submissions

24. Two sets of data on GHG emissions from sources listed in Annex A to the Kyoto Protocol are considered in this report: the values reported in the 2016 submissions, which have been reviewed, where applicable, and the values reported in the 2017 submissions, which are the latest available data, the review of which is in progress.

25. Total GHG emissions from sources listed in Annex A to the Kyoto Protocol in 2014 reported by Parties in their 2017 submissions amounted to 5,607.9 Mt CO₂ eq. That is 0.5 per cent higher than reported by Annex B Parties for the same year in their 2016 submissions (5,582 Mt CO₂ eq). The change in value is due primarily to the recalculations that Parties applied to their GHG inventories.

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

26. Of the Parties that had submitted an initial report as at 6 September 2017, 31 Parties chose to account for LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol for the entire second commitment period (accounting once at the end of the commitment period) and 5 Parties chose to account for them annually. Similarly, 32 Parties chose to account for LULUCF activities under Article 3, paragraph 4, of the Kyoto Protocol for the entire second commitment period (accounting once at the end of the commitment period) and 4 Parties chose to account for them annually. In accordance with decision 2/CMP.7, all Parties included in Annex I shall account for anthropogenic GHG emissions by sources and removals by sinks resulting from any activity under Article 3, paragraph 4, of the Kyoto Protocol elected in the first commitment period and forest management. Twenty-four Parties elected not to account for any of the LULUCF activities other than forest management under Article 3, paragraph 4, of the Kyoto Protocol, while the other Parties chose to account for at least one of them (see table 4). The Party counts included in this paragraph exclude the European Union, for which the periodicity of reporting is determined by its individual member States and Iceland.

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

<i>Activity under Article 3, paragraph 4, of the Kyoto Protocol</i>	<i>Number of Parties by type of accounting period elected</i>		
	<i>No accounting</i>	<i>Annually</i>	<i>Entire commitment period</i>
Forest management	0	4	32
Cropland management	27	1	8
Grazing land management	28	1	7
Revegetation	32	1	3
Wetland drainage and rewetting	35	0	1

Note: The Party counts do not include the European Union.

27. In accordance with decision 15/CMP.1 in conjunction with decisions 3/CMP.11 and 2/CMP.8, Annex B Parties are required to include in their annual GHG inventories information on anthropogenic GHG emissions by sources and removals by sinks from LULUCF activities under Article 3, paragraph 3, forest management under Article 3, paragraph 4, and, if any, elected activities under Article 3, paragraph 4, of the Kyoto Protocol. As at 6 September 2017, 36 Annex B Parties¹⁴ had reported information on GHG emissions and removals from LULUCF activities under Article 3, paragraph 3, forest management under Article 3, paragraph 4, and, if any, elected activities under Article 3, paragraph 4, of the Kyoto Protocol in their 2017 annual submission. A summary of the information provided pursuant to decisions 2/CMP.7, 6/CMP.9 and 3/CMP.11 on the total net anthropogenic GHG emissions and removals for Annex B Parties from each of the LULUCF activities under Article 3, paragraphs 3 and 4, of the Kyoto Protocol for 2014 and 2015 is provided in table 5.

Table 5
Summary of total net anthropogenic greenhouse gas emissions and removals for Annex B Parties from land use, land-use change and forestry activities under Article 3, paragraphs 3 and 4, of the Kyoto Protocol for 2014 and 2015 (provisional values)

<i>Land use, land-use change and forestry activity under Article 3, paragraphs 3 and 4, of the Kyoto Protocol</i>	<i>Number of reporting Parties</i>	<i>Net greenhouse gas emissions or removals</i>	<i>Net greenhouse gas emissions or removals</i>
		<i>(t CO₂ eq) in 2014</i>	<i>(t CO₂ eq) in 2015</i>
<i>Article 3, paragraph 3, activities</i>			
Afforestation and reforestation	32	-76 101 582	-73 664 592
Deforestation	32	81 364 728	74 143 321
Net emissions or removals	33	5 263 146	478 729
<i>Article 3, paragraph 4, activities</i>			
Forest management	33	-557 689 207	-536 534 991
Cropland management	9	26 851 965	26 818 692
Grazing land management	8	34 120 381	30 793 168
Revegetation	4	-21 027 768	-21 864 859
Wetland drainage, and rewetting	0		
Net emissions or removals	33	-517 744 629	-500 787 989

Note: Greenhouse gas information includes the emissions of the European Union but excludes the emissions of its individual member States and Iceland, in order to avoid double counting. Party counts exclude the European Union and include its individual member States and Iceland, if appropriate.

28. As at 31 December 2016, no removal units had been issued into national registries resulting from activities under Article 3, paragraph 3, forest management under Article 3, paragraph 4, and, if any, elected activities under Article 3, paragraph 4, of the Kyoto Protocol accounted in accordance with decisions 13/CMP.1, 2/CMP.7 and 6/CMP.9 for the second commitment period of the Kyoto Protocol.

¹⁴ Belarus and Monaco had not yet submitted such information as at 6 September 2017.

4. Difference in the data for 2014 on emissions and removals from land use, land-use change and forestry activities between the 2016 and 2017 submissions

29. There are two sets of data on GHG emissions from LULUCF activities under Article 3, paragraph 3, forest management under Article 3, paragraph 4, and, if any, elected activities under Article 3, paragraph 4, of the Kyoto Protocol for 2014: the values reported in the 2016 submissions,¹⁵ which have been reviewed, where applicable, and the values reported in the 2017 submissions,¹⁶ which are the latest available data, the review of which is in progress.

30. The net GHG emissions and removals from the above-mentioned activities in 2014 reported by 35 Parties in their 2016 submissions amounted to -407.0 Mt CO₂ eq. Those net GHG removals are 18.5 per cent lower than reported by the same Annex B Parties¹⁷ for 2014 in their 2017 submissions (-512.5 Mt CO₂ eq). The change in value was caused primarily by the recalculations that Parties applied to their GHG inventories.

C. Transactions and holdings of Kyoto Protocol units

31. This section provides a provisional overview¹⁸ of additions to and subtractions from the assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment at the end of 2016 for the 34 Annex B Parties that reported their SEF tables with information on Kyoto Protocol units in 2017.

32. In this section, aggregated quantities of Kyoto Protocol units and counts of Parties include the individual member States of the European Union and Iceland but exclude the European Union, in order to avoid double counting.

1. Transactions of Kyoto Protocol units

33. Decision 3/CMP.11 classifies transactions of Kyoto Protocol units into two categories: internal and external. An internal transaction does not involve another national registry, whereas an external transaction involves the transaction of Kyoto Protocol units from one national registry to another.

34. Between 1 January and 31 December 2016, 12 Parties executed at least one form of internal transaction. All transactions were related to the cancellation of Kyoto Protocol units, which were reported under the “voluntary cancellation” account. Twelve Parties, of which nine are European Union member States, transferred a total quantity of 1.9 million CERs into the “voluntary cancellation” account.

35. Table 6 provides a summary of information on the total quantities of Kyoto Protocol units and the number of Parties involved in external transactions that occurred between 1 January and 31 December 2016.

¹⁵ In their 2016 annual submissions, Belarus, Kazakhstan and Monaco did not submit information on GHG emissions and removals from LULUCF activities under Article 3, paragraph 3, forest management under Article 3, paragraph 4, and, if any, elected activities under Article 3, paragraph 4, of the Kyoto Protocol.

¹⁶ In their 2017 annual submissions, Belarus and Monaco did not submit information on GHG emissions and removals from LULUCF activities under Article 3, paragraph 3, forest management under Article 3, paragraph 4, and, if any, elected activities under Article 3, paragraph 4, of the Kyoto Protocol.

¹⁷ This comparison could not include Kazakhstan as it did not provide information on GHG emissions and removals from LULUCF activities under Article 3, paragraph 3, forest management under Article 3, paragraph 4, and, if any, elected activities under Article 3, paragraph 4, of the Kyoto Protocol in its 2016 annual submission.

¹⁸ At the time of the preparation of this report, the annual review of the information reported by Annex B Parties in 2017 was still in progress.

Table 6
Total Kyoto Protocol units acquired or transferred through external transactions between 1 January and 31 December 2016^a

Transaction type	Kyoto Protocol units by external transaction type (Mt CO ₂ eq)						
	AAUs	ERUs	RMUs	CERs ^b	tCERs	lCERs	
Addition	Quantities acquired or forwarded ^b	0	0	0	79.4	0	0
	Parties involved	0	0	0	16	0	0
Subtraction	Quantities transferred	0	0	0	48.5	0	0
	Parties involved	0	0	0	16	0	0

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

^a The transaction quantities and Party counts shown in this table exclude the European Union but include its individual member States and Iceland, in order to avoid double counting.

^b CERs are forwarded by the clean development mechanism registry.

2. Holdings of Kyoto Protocol units by holding account type as at 31 December 2016

36. For the Annex B Parties that reported information on Kyoto Protocol units pursuant to decisions 13/CMP.1 and 15/CMP.1, there were 112.2 million Kyoto Protocol units by the end of 2016, which included 9.7 million ERUs (3.9 million in the Party holding account of four Parties and 5.8 million in the entity holding account of six Parties) and 102.6 million CERs (43.9 million in the Party holding account of 12 Parties, 55.9 million in the entity holding account of 18 Parties and 2.8 million in the voluntary cancellation account of 13 Parties).

37. A summary of the total quantities of the different Kyoto Protocol units by account type as at 31 December 2016 for Annex B Parties¹⁹ is provided in table 7. Table 8 shows the breakdown of total Kyoto Protocol units by Party.

38. Detailed information on the status of accounts for each Annex B Party can be found in document FCCC/KP/CMP/2017/3/Add.1.

¹⁹ As at 6 September 2017, Belarus, Kazakhstan, Malta and Monaco had not yet submitted SEF tables for the second commitment period of the Kyoto Protocol for the period from 1 January to 31 December 2016.

Table 7
Summary of total quantities^a of Kyoto Protocol units by account type for Annex B Parties as at 31 December 2016 (t CO₂ eq)

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Party holding accounts	0	3 913 018	0	43 879 626	0	0
Entity holding accounts	0	5 774 793	0	55 862 647	0	0
Retirement account	0	0	0	0	0	0
Previous period surplus reserve account	0					
Article 3.3/3.4 net source cancellation account	0	0	0	0		
Non-compliance cancellation account	0	0	0	0		
Voluntary cancellation account	0	0	0	2 811 478	0	0
Cancellation account for remaining units after carry-over	0	0	0	0	0	0
Article 3.1 ter and quarter ambition increase cancellation account	0					
Article 3.7 ter cancellation account	0					
tCER cancellation account for expiry					0	
ICER cancellation account for expiry						0
ICER cancellation account for reversal of storage						0
ICER cancellation account for non-submission of certification report						0
tCER replacement account for expiry	0	0	0	0	0	
ICER replacement account for expiry	0	0	0	0		
ICER replacement account for reversal of storage	0	0	0	0		0
ICER replacement account for non-submission of certification report	0	0	0	0		0
Total	0	9 687 811	0	102 553 751	0	0

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

^a "Total quantities" refers to the sum of the Kyoto Protocol units in each account type for Annex B Parties, excluding the European Union but including its individual member States and Iceland.

Table 8
Total quantities^a of Kyoto Protocol units for Annex B Parties as at 31 December 2016

Annex B Party	Total quantity by unit type (t CO ₂ eq)					
	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Australia	0	0	0	8 339 694	0	0
Austria	0	0	0	564 758	0	0
Belarus ^b	–	–	–	–	–	–
Belgium	0	3 267 881	0	17 077 275	0	0
Bulgaria	0	0	0	0	0	0
Croatia	0	0	0	0	0	0
Cyprus	0	0	0	0	0	0
Czechia	0	0	0	0	0	0
Denmark	0	0	0	230 945	0	0
Estonia	0	0	0	0	0	0
European Union	0	0	0	66 905 597	0	0
Finland	0	0	0	1 392 459	0	0
France	0	0	0	35 259	0	0
Germany	0	0	0	1 379 527	0	0
Greece	0	0	0	0	0	0
Hungary	0	0	0	0	0	0
Iceland	0	0	0	0	0	0
Ireland	0	74 964	0	5 255 000	0	0
Italy	0	1 108 946	0	3 838 096	0	0
Kazakhstan ^b	–	–	–	–	–	–
Latvia	0	5 317	0	2 1550	0	0
Liechtenstein	0	0	0	0	0	0
Lithuania	0	2 327 000	0	246 966	0	0
Luxembourg	0	0	0	736 249	0	0
Malta ^b	–	–	–	–	–	–
Monaco ^b	–	–	–	–	–	–
Netherlands	0	0	0	7 562 197	0	0
Norway	0	738 305	0	13 119 381	0	0
Poland	0	0	0	0	0	0
Portugal	0	0	0	167	0	0
Romania	0	0	0	0	0	0
Slovakia	0	0	0	0	0	0
Slovenia	0	0	0	0	0	0
Spain	0	2 165 398	0	16 063 913	0	0
Sweden	0	0	0	6 719 304	0	0
Switzerland	0	0	0	17 145 594	0	0
Ukraine	0	0	0	0	0	0
United Kingdom	0	0	0	2 825 417	0	0

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

^a “Total quantities” refers to the sum of the Kyoto Protocol units in each account type for each Annex B Party.

^b Party had not yet submitted the standard electronic format tables in 2017 as at 6 September 2017.



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Item 9(b) of the provisional agenda

Reporting from and review of Parties included in Annex I¹
**Annual compilation and accounting report for the second commitment
period for Annex B Parties under the Kyoto Protocol**

**Annual compilation and accounting report for Annex B
Parties under the Kyoto Protocol for 2017**

Note by the secretariat

Addendum

Compilation and accounting information by Party

Summary

This document contains detailed information on the initial accounting parameters for the second commitment period under the Kyoto Protocol for Parties included in Annex I with commitments inscribed in the third column of Annex B in the Doha Amendment to the Kyoto Protocol as contained in annex I to decision 1/CMP.8. It also contains annual information on: anthropogenic greenhouse gas (GHG) emissions in 2014 and 2015 from sources listed in Annex A to the Kyoto Protocol; GHG emissions and removals in 2014 and 2015 from land use, land-use change and forestry activities under Article 3, paragraph 3, forest management under Article 3, paragraph 4, and any other elected activities under Article 3, paragraph 4, of the Kyoto Protocol; and holdings and transactions of Kyoto Protocol units. This document contains both final values (from the reviews of the 2016 annual submissions and of the reports to facilitate the calculation of the assigned amount for the second commitment period) and provisional values (from the 2017 annual submissions and the reports to facilitate the calculation of the assigned amount for the second commitment period, both as reported by Parties). The final values will be made available upon completion of the associated reviews and the resolution of any questions of implementation.

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

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I. Introduction

1. Document FCCC/KP/CMP/2017/3 provides an overview of the information available as at 6 September 2017 on: annual accounting parameters for the second commitment period of the Kyoto Protocol for Parties included in Annex I² with commitments inscribed in the third column of Annex B in the Doha Amendment to the Kyoto Protocol (Annex B Parties) as contained in annex I to decision 1/CMP.8 (hereinafter rather to as the Doha Amendment); transactions and holdings of Kyoto Protocol units reported in 2017; and greenhouse gas (GHG) emissions for 2014 and 2015.
2. This document includes the following, more detailed, information, available as at 6 September 2017,³ for individual Annex B Parties:
 - (a) Key initial accounting parameters for the second commitment period under the Kyoto Protocol;
 - (b) Total GHG emissions from the sources listed in Annex A to the Kyoto Protocol reported for 2014 and 2015, including indirect carbon dioxide emissions where reported;
 - (c) GHG emissions and removals in the base year, 2014 and 2015 from land use, land-use change and forestry activities under Article 3, paragraph 3, forest management under Article 3, paragraph 4, and any other elected activities under Article 3, paragraph 4, of the Kyoto Protocol;
 - (d) Transactions and holdings of Kyoto Protocol units as at 31 December 2015 and 2016.
3. Following the encouragement by the Conference of the Parties serving as the meeting of the Parties to the Kyoto Protocol (CMP)⁴ of Ukraine's efforts to formally demonstrate its compliance with its commitment under Article 3, paragraph 1, of the Kyoto Protocol for the first commitment period, this document contains information on the total quantities of assigned amount units, emission reduction units and certified emission reductions in the registry available for carry-over to the second commitment period of the Kyoto Protocol in accordance with decision 13/CMP.1, annex, paragraph 62(c), for Ukraine as concluded by the expert review team following the true-up period review.⁵
4. The annual information submitted in 2017 and in the reports to facilitate the calculation of the assigned amount for the second commitment period will be recorded in the compilation and accounting database after the completion of the associated review processes and the resolution of any questions of implementation.
5. This document also contains relevant information reported in accordance with decision 2/CMP.8, paragraph 4, and decision 3/CMP.11, paragraph 14, and other information reported on a voluntary basis by Parties that do not have commitments inscribed in the third column of Annex B in the Doha Amendment (Japan, New Zealand and Russian Federation).

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.

² The term "Party included in Annex I" is defined in Article 1, paragraph 7, of the Kyoto Protocol.

³ The accounting parameters presented in this document are based on the final values available in the initial review reports published as at 6 September 2017; where initial review reports had not been published, the accounting parameters are based, where available, on the values contained in the reports to facilitate the calculation of the assigned amount for the second commitment period as reported by Parties. Similarly, where the review of annual information submitted by Parties has been conducted, the associated values are presented as final; where it is still pending, the values are provisional.

⁴ FCCC/KP/CMP/2016/8, paragraph 50.

⁵ As set out in decision 22/CMP.1, annex, paragraph 86(c). Information on the true-up period reporting and review process is available at <http://unfccc.int/9049.php>.

7. Tables 1–5 provide detailed information on Australia's initial accounting parameters for the second commitment period 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 ^a	566 786 410	t CO ₂ eq
Quantified emission limitation or reduction commitment inscribed in the third column of Annex B in the Doha Amendment to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	99.5	per cent
Assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment for the second commitment period	4 511 619 826	t CO ₂ eq
Difference between the assigned amount for the second commitment period and the average annual emissions for the first three years of the first commitment period, multiplied by eight	-237 336 202	t CO ₂ eq
Limitation on the additions to Australia's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	117 214 453	t CO ₂ eq

^a The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for the calculation of the assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment, including emissions from the conversion of forests (deforestation) of 148,163,361 t CO₂ eq.

Table 2

Australia's emissions/removals of greenhouse gases in 2014 and 2015

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO₂ eq)</i>				
	<i>Final values (2016 submission)</i>		<i>Provisional values (2017 submission)</i>		
	<i>Base year</i>	<i>2014</i>	<i>Base year</i>	<i>2014</i>	<i>2015</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol		522 397 091		525 792 133	533 282 713
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)		26 001 373		20 978 655	18 523 846
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		-14 118 777		-23 080 705	-18 393 558
FMRL (t CO ₂ eq per year)		4 700 000		4 700 000	4 700 000
Technical correction to FMRL (t CO ₂ eq per year)		-4 784 686		-4 335 723	-4 335 723
Net emissions or removals from LULUCF activities (excluding forest management) under Article 3, paragraph 4, of the Kyoto Protocol	1 741 369	-1 870 764	7 144 668	7 004 803	4 437 518

Abbreviations: FMRL = forest management reference level, LULUCF = land use, land-use change and forestry.

Table 3
Australia's total quantities of Kyoto Protocol units by account type at the end of 2015
(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 accounts	NO	NO	NO	NO	NO	NO
Entity holding accounts	NO	NO	NO	1 442 096	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	45 253	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of storage	NO	NO	NO	NO		NO
ICER replacement account for non-submission of certification report	NO	NO	NO	NO		NO
Total	NO	NO	NO	1 487 349	NO	NO

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

Table 4
Australia's total quantities of Kyoto Protocol units by account type at the end of 2016
(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 accounts	NO	NO	NO	8 035 002	NO	NO
Entity holding accounts	NO	NO	NO	NO	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	304 692	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of storage	NO	NO	NO	NO		NO
ICER replacement account for non-submission of certification report	NO	NO	NO	NO		NO
Total	NO	NO	NO	8 339 694	NO	NO

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

Table 5
Australia's total transactions of Kyoto Protocol units in 2016 (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	7 239 334	NO	NO
Total transactions	NO	NO	NO	7 239 334	NO	NO
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	259 439	NO	NO
External transactions	NO	NO	NO	386 989	NO	NO
Total transactions	NO	NO	NO	646 428	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 for the second commitment period 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 ^a	78 855 136	t CO ₂ eq
Quantified emission limitation or reduction commitment inscribed in the third column of Annex B in the Doha Amendment to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	80	per cent
Assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment for the second commitment period ^b	405 712 317	t CO ₂ eq

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Difference between the assigned amount for the second commitment period and the average annual emissions for the first three years of the first commitment period, multiplied by eight ^c	NA	
Limitation on the additions to Austria's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	22 079 438	t CO ₂ eq

Abbreviation: NA = not applicable.

^a The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for the calculation of the assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment.

^b The assigned amounts of each European Union member State and Iceland are equal to the emission levels agreed under the terms of the joint fulfilment agreement and the results of the application of Article 3, paragraph 7 bis, of the Doha Amendment for that member State or Iceland. The joint fulfilment agreement has not as yet been deposited and circulated in accordance with Article 4 of the Kyoto Protocol. However, the secretariat was notified by the European Union of the conditions of the agreement and the intention of the European Union and its member States to deposit it upon ratification of the Doha Amendment at the time of the submission of the report pursuant to decision 2/CMP.8 made in accordance with paragraph 6 of decision 1/CMP.8.

^c This difference is calculated on the basis of the joint assigned amount of the European Union, its member States and Iceland.

Table 7

Austria's emissions/removals of greenhouse gases in 2014 and 2015

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO₂ eq)</i>				
	<i>Final values (2016 submission)</i>		<i>Provisional values (2017 submission)</i>		
	<i>Base year</i>	<i>2014</i>	<i>Base year</i>	<i>2014</i>	<i>2015</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol		76 332 619		76 381 330	78 850 807
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)		-1 566 791		-1 508 877	-1 553 118
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		-3 750 920		-3 799 577	-3 851 106
FMRL (t CO ₂ eq per year)		-6 516 000		-6 516 000	-6 516 000
Technical correction to FMRL (t CO ₂ eq per year)		5 823 000		5 823 000	5 823 000
Net emissions or removals from LULUCF activities (excluding forest management) under Article 3, paragraph 4, of the Kyoto Protocol			NA	NA	NA

Abbreviations: FMRL = forest management reference level, 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 2015 (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 accounts	NO	NO	NO	5 241	NO	NO
Entity holding accounts	NO	NO	NO	323 496	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	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 account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	25 682	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of storage	NO	NO	NO	NO		NO
ICER replacement account for non-submission of certification report	NO	NO	NO	NO		NO
Total	NO	NO	NO	354 419	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.

Table 9
Austria's total quantities of Kyoto Protocol units by account type at the end of 2016 (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 accounts	NO	NO	NO	5 241	NO	NO
Entity holding accounts	NO	NO	NO	440 053	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	119 464	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of 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 account for non-submission of certification report	NO	NO	NO	NO		NO
Total	NO	NO	NO	564 758	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 2016 (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	243 726	NO	NO
Total transactions	NO	NO	NO	243 726	NO	NO
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	93 782	NO	NO
External transactions	NO	NO	NO	75 416	NO	NO
Total transactions	NO	NO	NO	169 198	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. Belarus

10. The eligibility of Belarus to participate in the flexibility mechanisms under the Kyoto Protocol had not been established⁶ as at 6 September 2017.

11. As at 6 September 2017, Belarus had not yet submitted its report to facilitate the calculation of the assigned amount for the second commitment period of the Kyoto Protocol or annual information on its greenhouse gas emissions and removals in 2014 and 2015 from land use, land-use change and forestry activities under Article 3, paragraphs 3 and 4, of the Kyoto Protocol.

12. Table 11 provides information on Belarus's annual GHG emissions from Annex A sources.

Table 11
Belarus's emissions/removals of greenhouse gases in 2014 and 2015^a

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO₂ eq)</i>				
	<i>Final values (2016 submission)</i>		<i>Provisional values (2017 submission)</i>		
	<i>Base year</i>	<i>2014</i>	<i>Base year</i>	<i>2014</i>	<i>2015</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol		91 895 647		93 660 518	89 607 643

^a As at 6 September 2017, Belarus had not yet submitted annual information on its greenhouse gas emissions and removals in 2014 and 2015 from land use, land-use change and forestry activities under Article 3, paragraphs 3 and 4, of the Kyoto Protocol.

⁶ See decision 11/CMP.1, annex, paragraphs 2 and 3, in conjunction with: decision 1/CMP.8; decision 9/CMP.1, annex, paragraphs 21 and 22; and decision 3/CMP.1, annex, paragraphs 31 and 32.

13. As at 6 September 2017, Belarus had not yet submitted standard electronic format tables for the second commitment period of the Kyoto Protocol.

V. Belgium

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

15. Tables 12–16 provide detailed information on Belgium's initial accounting parameters for the second commitment period 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 12

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 ^a	147 811 094	t CO ₂ eq
Quantified emission limitation or reduction commitment inscribed in the third column of Annex B in the Doha Amendment to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	80	per cent
Assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment for the second commitment period ^b	584 228 513	t CO ₂ eq
Difference between the assigned amount for the second commitment period and the average annual emissions for the first three years of the first commitment period, multiplied by eight ^c	NA	
Limitation on the additions to Belgium's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	41 387 106	t CO ₂ eq

Abbreviation: NA = not applicable.

^a The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for the calculation of the assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment.

^b The assigned amounts of each European Union member State and Iceland are equal to the emission levels agreed under the terms of the joint fulfilment agreement and the results of the application of Article 3, paragraph 7 bis, of the Doha Amendment for that member State or Iceland. The joint fulfilment agreement has not as yet been deposited and circulated in accordance with Article 4 of the Kyoto Protocol. However, the secretariat was notified by the European Union of the conditions of the agreement and the intention of the European Union and its member States to deposit it upon ratification of the Doha Amendment at the time of the submission of the report pursuant to decision 2/CMP.8 made in accordance with paragraph 6 of decision 1/CMP.8.

^c This difference is calculated on the basis of the joint assigned amount of the European Union, its member States and Iceland.

Table 13

Belgium's emissions/removals of greenhouse gases in 2014 and 2015

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO₂ eq)</i>				
	<i>Final values (2016 submission)</i>		<i>Provisional values (2017 submission)</i>		
	<i>Base year</i>	<i>2014</i>	<i>Base year</i>	<i>2014</i>	<i>2015</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol		113 866 619		114 078 731	117 443 259
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)		-160 405		943 622	929 027
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		-3 041 587		-3 364 986	-3 371 977

Parameter	Emissions/removals of greenhouse gases (t CO ₂ eq)				
	Final values (2016 submission)		Provisional values (2017 submission)		
	Base year	2014	Base year	2014	2015
FMRL (t CO ₂ eq per year)		-2 499 000		-2 499 000	-2 499 000
Technical correction to FMRL (t CO ₂ eq per year)		NE		NA	NA
Net emissions or removals from LULUCF activities (excluding forest management) under Article 3, paragraph 4, of the Kyoto Protocol	NA	NA			

Abbreviations: FMRL = forest management reference level, LULUCF = land use, land-use change and forestry, NA = not applicable, NE = not estimated.

Table 14

Belgium's total quantities of Kyoto Protocol units by account type at the end of 2015 (final values)

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding accounts	NO	NO	NO	NO	NO	NO
Entity holding accounts	NO	NO	NO	123 588	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	31 684	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of storage	NO	NO	NO	NO		NO
ICER replacement account for non-submission of certification report	NO	NO	NO	NO		NO
Total	NO	NO	NO	155 272	NO	NO

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

Table 15
Belgium's total quantities of Kyoto Protocol units by account type at the end of 2016
(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 accounts	NO	NO	NO	NO	NO	NO
Entity holding accounts	NO	3 267 881	NO	17 037 025	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	40 250	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of storage	NO	NO	NO	NO		NO
ICER replacement account for non-submission of certification report	NO	NO	NO	NO		NO
Total	NO	3 267 881	NO	17 077 275	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 16
Belgium's total transactions of Kyoto Protocol units in 2016 (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	338 386	NO	NO
Total transactions	NO	NO	NO	338 386	NO	NO
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	8 566	NO	NO
External transactions	NO	NO	NO	239 290	NO	NO
Total transactions	NO	NO	NO	247 856	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. Bulgaria

16. Bulgaria met all the eligibility criteria and became eligible to participate in all the flexibility mechanisms under the Kyoto Protocol on 25 November 2008.

17. Tables 17–21 provide detailed information on Bulgaria's initial accounting parameters for the second commitment period 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 17

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 ^a	114 105 323	t CO ₂ eq
Quantified emission limitation or reduction commitment inscribed in the third column of Annex B in the Doha Amendment to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	80	per cent
Assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment for the second commitment period ^b	222 945 983	t CO ₂ eq
Difference between the assigned amount for the second commitment period and the average annual emissions for the first three years of the first commitment period, multiplied by eight ^c	NA	
Limitation on the additions to Bulgaria's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	31 949 490	t CO ₂ eq

Abbreviation: NA = not applicable.

^a The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for the calculation of the assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment.

^b The assigned amounts of each European Union member State and Iceland are equal to the emission levels agreed under the terms of the joint fulfilment agreement and the results of the application of Article 3, paragraph 7 bis, of the Doha Amendment for that member State or Iceland. The joint fulfilment agreement has not as yet been deposited and circulated in accordance with Article 4 of the Kyoto Protocol. However, the secretariat was notified by the European Union of the conditions of the agreement and the intention of the European Union and its member States to deposit it upon ratification of the Doha Amendment at the time of the submission of the report pursuant to decision 2/CMP.8 made in accordance with paragraph 6 of decision 1/CMP.8.

^c This difference is calculated on the basis of the joint assigned amount of the European Union, its member States and Iceland.

Table 18

Bulgaria's emissions/removals of greenhouse gases in 2014 and 2015

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO₂ eq)</i>				
	<i>Final values (2016 submission)</i>		<i>Provisional values (2017 submission)</i>		
	<i>Base year</i>	<i>2014</i>	<i>Base year</i>	<i>2014</i>	<i>2015</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol		57 470 445		57 505 120	61 482 753
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)		-1 239 677		-1 202 444	-1 223 775
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		-7 769 519		-6 011 727	-5 836 848
FMRL (t CO ₂ eq per year)		-8 169 000		-8 168 000	-8 168 000
Technical correction to FMRL (t CO ₂ eq per year)		-8 207 000		23 000	23 000

Parameter	Emissions/removals of greenhouse gases (t CO ₂ eq)				
	Final values (2016 submission)		Provisional values (2017 submission)		
	Base year	2014	Base year	2014	2015
Net emissions or removals from LULUCF activities (excluding forest management) under Article 3, paragraph 4, of the Kyoto Protocol		NA		NA	NA

Abbreviations: FMRL = forest management reference level, LULUCF = land use, land-use change and forestry, NA = not applicable.

Table 19
Bulgaria's total quantities of Kyoto Protocol units by account type at the end of 2015 (final values)

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding accounts	NO	NO	NO	NO	NO	NO
Entity holding accounts	NO	NO	NO	NO	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	NO	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of storage	NO	NO	NO	NO		NO
ICER replacement account 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 20
Bulgaria's total quantities of Kyoto Protocol units by account type at the end of 2016 (provisional values)

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding accounts	NO	NO	NO	NO	NO	NO
Entity holding accounts	NO	NO	NO	NO	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	NO	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of storage	NO	NO	NO	NO		NO
ICER replacement account 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 21
Bulgaria's total transactions of Kyoto Protocol units in 2016 (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.

VII. Croatia

18. Croatia met all the eligibility criteria and became eligible to participate in all the flexibility mechanisms under the Kyoto Protocol on 27 December 2009.

19. Tables 22–26 provide detailed information on Croatia's initial accounting parameters for the second commitment period under the Kyoto Protocol, its GHG emissions and removals, the holdings of Kyoto Protocol units by account type and transactions of Kyoto Protocol units.

Table 22

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

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base-year emissions ^a	31 204 631	t CO ₂ eq
Quantified emission limitation or reduction commitment inscribed in the third column of Annex B in the Doha Amendment to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	80	per cent
Assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment for the second commitment period ^b	162 271 086	t CO ₂ eq
Difference between the assigned amount for the second commitment period and the average annual emissions for the first three years of the first commitment period, multiplied by eight ^c	NA	
Limitation on the additions to Croatia's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	8 737 296	t CO ₂ eq

Abbreviation: NA = not applicable.

^a The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for the calculation of the assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment.

^b The assigned amounts of each European Union member State and Iceland are equal to the emission levels agreed under the terms of the joint fulfilment agreement and the results of the application of Article 3, paragraph 7 bis, of the Doha Amendment for that member State or Iceland. The joint fulfilment agreement has not as yet been deposited and circulated in accordance with Article 4 of the Kyoto Protocol. However, the secretariat was notified by the European Union of the conditions of the agreement and the intention of the European Union and its member States to deposit it upon ratification of the Doha Amendment at the time of the submission of the report pursuant to decision 2/CMP.8 made in accordance with paragraph 6 of decision 1/CMP.8.

^c This difference is calculated on the basis of the joint assigned amount of the European Union, its member States and Iceland.

Table 23

Croatia's emissions/removals of greenhouse gases in 2014 and 2015

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO₂ eq)</i>				
	<i>Final values (2016 submission)</i>		<i>Provisional values (2017 submission)</i>		
	<i>Base year</i>	<i>2014</i>	<i>Base year</i>	<i>2014</i>	<i>2015</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol		22 898 878		23 049 002	23 502 150
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)		-197 728		-197 702	-187 041
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		-6 967 052		-6 970 120	-5 686 467
FMRL (t CO ₂ eq per year)		-6 289 000		-6 289 000	-6 289 000
Technical correction to FMRL (t CO ₂ eq per year)		904 831		904 831	904 831
Net emissions or removals from LULUCF activities (excluding forest management) under Article 3, paragraph 4, of the Kyoto Protocol	NA	NA	NA	NA	NA

Abbreviations: FMRL = forest management reference level, LULUCF = land use, land-use change and forestry, NA = not applicable.

Table 24
Croatia's total quantities of Kyoto Protocol units by account type at the end of 2015
(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 accounts	NO	NO	NO	NO	NO	NO
Entity holding accounts	NO	NO	NO	NO	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	NO	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of storage	NO	NO	NO	NO		NO
ICER replacement account 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 25
Croatia's total quantities of Kyoto Protocol units by account type at the end of 2016
(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 accounts	NO	NO	NO	NO	NO	NO
Entity holding accounts	NO	NO	NO	NO	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	NO	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of storage	NO	NO	NO	NO		NO
ICER replacement account 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 26
Croatia’s total transactions of Kyoto Protocol units in 2016 (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.

VIII. Cyprus

20. The eligibility of Cyprus to participate in the flexibility mechanisms under the Kyoto Protocol had not been established⁷ as at 6 September 2017.

21. Tables 27–30 provide detailed information on Cyprus’s initial accounting parameters for the second commitment period under the Kyoto Protocol, its GHG emissions and removals, the holdings of Kyoto Protocol units by account type and transactions of Kyoto Protocol units.

Table 27
Key initial accounting parameters under the Kyoto Protocol for Cyprus (provisional values)

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base-year emissions ^a	5 560 247	t CO ₂ eq
Quantified emission limitation or reduction commitment inscribed in the third column of Annex B in the Doha Amendment to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	80	per cent

⁷ See decision 11/CMP.1, annex, paragraphs 2 and 3, in conjunction with: decision 1/CMP.8; decision 9/CMP.1, annex, paragraphs 21 and 22; and decision 3/CMP.1, annex, paragraphs 31 and 32.

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment for the second commitment period ^b	47 450 128	t CO ₂ eq
Difference between the assigned amount for the second commitment period and the average annual emissions for the first three years of the first commitment period, multiplied by eight ^c	NA	
Limitation on the additions to Cyprus's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	1 556 869	t CO ₂ eq

Abbreviation: NA = not applicable.

^a The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for the calculation of the assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment.

^b The assigned amounts of each European Union member State and Iceland are equal to the emission levels agreed under the terms of the joint fulfilment agreement and the results of the application of Article 3, paragraph 7 bis, of the Doha Amendment for that member State or Iceland. The joint fulfilment agreement has not as yet been deposited and circulated in accordance with Article 4 of the Kyoto Protocol. However, the secretariat was notified by the European Union of the conditions of the agreement and the intention of the European Union and its member States to deposit it upon ratification of the Doha Amendment at the time of the submission of the report pursuant to decision 2/CMP.8 made in accordance with paragraph 6 of decision 1/CMP.8.

^c Cyprus did not have a quantified emission limitation or reduction commitment in the first commitment period of the Kyoto Protocol.

Table 28
Cyprus's emissions/removals of greenhouse gases in 2014 and 2015

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO₂ eq)</i>				
	<i>Final values (2016 submission)</i>		<i>Provisional values (2017 submission)</i>		
	<i>Base year</i>	<i>2014</i>	<i>Base year</i>	<i>2014</i>	<i>2015</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol		8 453 768		8 423 526	8 430 582
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)		NE, NO		NE, NO	NE, NO
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals FMRL (t CO ₂ eq per year)		NE, NO, IE		NE, NO, IE	NO, NE, IE
Technical correction to FMRL (t CO ₂ eq per year)		-157 000		NA	NA
Net emissions or removals from LULUCF activities (excluding forest management) under Article 3, paragraph 4, of the Kyoto Protocol		NA		NA	NA
Net emissions or removals from LULUCF activities (excluding forest management) under Article 3, paragraph 4, of the Kyoto Protocol	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO

Abbreviations: FMRL = forest management reference level, IE = included elsewhere, LULUCF = land use, land-use change and forestry, NA = not applicable, NE = not estimated, NO = not occurring.

Table 29
Cyprus's total quantities of Kyoto Protocol units by account type at the end of 2016 (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 accounts	NO	NO	NO	NO	NO	NO
Entity holding accounts	NO	NO	NO	NO	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	NO	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of storage	NO	NO	NO	NO		NO
ICER replacement account 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 30

Cyprus's total transactions of Kyoto Protocol units in 2016 (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.

22. As at 6 September 2017, Cyprus had not yet submitted standard electronic format tables for the reporting year 2015.

IX. Czechia

23. Czechia met all the eligibility criteria and became eligible to participate in all the flexibility mechanisms under the Kyoto Protocol on 24 February 2008.

24. Tables 31–35 provide detailed information on Czechia's initial accounting parameters for the second commitment period 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 Czechia (final values)

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base-year emissions ^a	198 316 406	t CO ₂ eq
Quantified emission limitation or reduction commitment inscribed in the third column of Annex B in the Doha Amendment to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	80	per cent
Assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment for the second commitment period ^b	520 515 203	t CO ₂ eq
Difference between the assigned amount for the second commitment period and the average annual emissions for the first three years of the first commitment period, multiplied by eight ^c	NA	
Limitation on the additions to Czechia's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	55 528 593	t CO ₂ eq

Abbreviation: NA = not applicable.

^a The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for the calculation of the assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment.

^b The assigned amounts of each European Union member State and Iceland are equal to the emission levels agreed under the terms of the joint fulfilment agreement and the results of the application of Article 3, paragraph 7 bis, of the Doha Amendment for that member State or Iceland. The joint fulfilment agreement has not as yet been deposited and circulated in accordance with Article 4 of the Kyoto Protocol. However, the secretariat was notified by the European Union of the conditions of the agreement and the intention of the European Union and its member States to deposit it upon ratification of the Doha Amendment at the time of the submission of the report pursuant to decision 2/CMP.8 made in accordance with paragraph 6 of decision 1/CMP.8.

^c This difference is calculated on the basis of the joint assigned amount of the European Union, its member States and Iceland.

Table 32

Czechia's emissions/removals of greenhouse gases in 2014 and 2015

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO₂ eq)</i>				
	<i>Final values (2016 submission)</i>		<i>Provisional values (2017 submission)</i>		
	<i>Base year</i>	<i>2014</i>	<i>Base year</i>	<i>2014</i>	<i>2015</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol		124 789 546		126 616 315	127 925 530
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)		-318 564		-318 564	-409 640
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		-6 282 191		-6 280 872	-5 075 556
FMRL (t CO ₂ eq per year)				-4 686 000	-4 686 000
Technical correction to FMRL (t CO ₂ eq per year)		NA		NA	NA
Net emissions or removals from LULUCF activities (excluding forest management) under Article 3, paragraph 4, of the Kyoto Protocol	NA	NA	NA	NA	NA

Abbreviations: FMRL = forest management reference level, LULUCF = land use, land-use change and forestry, NA = not applicable.

Table 33
Czechia's total quantities of Kyoto Protocol units by account type at the end of 2015
(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 accounts	NO	NO	NO	NO	NO	NO
Entity holding accounts	NO	NO	NO	NO	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	NO	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of storage	NO	NO	NO	NO		NO
ICER replacement account 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 34
Czechia's total quantities of Kyoto Protocol units by account type at the end of 2016
(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 accounts	NO	NO	NO	NO	NO	NO
Entity holding accounts	NO	NO	NO	NO	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	NO	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of storage	NO	NO	NO	NO		NO
ICER replacement account 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 35
Czechia's total transactions of Kyoto Protocol units in 2016 (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.

X. Denmark

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

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

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

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base-year emissions ^a	70 801 910	t CO ₂ eq
Quantified emission limitation or reduction commitment inscribed in the third column of Annex B in the Doha Amendment to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	80	per cent
Assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment for the second commitment period ^b	269 377 890	t CO ₂ eq

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Difference between the assigned amount for the second commitment period and the average annual emissions for the first three years of the first commitment period, multiplied by eight ^c	NA	
Limitation on the additions to Denmark's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	19 822 068	t CO ₂ eq

Abbreviation: NA = not applicable.

^a The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for the calculation of the assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment, including emissions from the conversion of forests (deforestation) of 8,807 t CO₂ eq.

^b The assigned amounts of each European Union member State and Iceland are equal to the emission levels agreed under the terms of the joint fulfilment agreement and the results of the application of Article 3, paragraph 7 bis, of the Doha Amendment for that member State or Iceland. The joint fulfilment agreement has not as yet been deposited and circulated in accordance with Article 4 of the Kyoto Protocol. However, the secretariat was notified by the European Union of the conditions of the agreement and the intention of the European Union and its member States to deposit it upon ratification of the Doha Amendment at the time of the submission of the report pursuant to decision 2/CMP.8 made in accordance with paragraph 6 of decision 1/CMP.8.

^c This difference is calculated on the basis of the joint assigned amount of the European Union, its member States and Iceland.

Table 37

Denmark's emissions/removals of greenhouse gases in 2014 and 2015

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO₂ eq)</i>				
	<i>Final values (2016 submission)</i>		<i>Provisional values (2017 submission)</i>		
	<i>Base year</i>	<i>2014</i>	<i>Base year</i>	<i>2014</i>	<i>2015</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol		51 058 341		50 800 986	48 331 139
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)		-199 766		-210 309	-354 863
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		-3 774 127		-3 774 127	667 734
FMRL (t CO ₂ eq per year)		409 000		409 000	409 000
Technical correction to FMRL (t CO ₂ eq per year)		-82 617		-82 617	-82 617
Net emissions or removals from LULUCF activities (excluding forest management) under Article 3, paragraph 4, of the Kyoto Protocol	6 009 618	5 264 396	5 348 167	4 095 187	3 825 874

Abbreviations: FMRL = forest management reference level, LULUCF = land use, land-use change and forestry.

Table 38

Denmark's total quantities of Kyoto Protocol units by account type at the end of 2015 (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 accounts	NO	NO	NO	150 896	NO	NO
Entity holding accounts	NO	NO	NO	642 946	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	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 account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	11 164	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of storage	NO	NO	NO	NO		NO
ICER replacement account for non-submission of certification report	NO	NO	NO	NO		NO
Total	NO	NO	NO	805 006	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

Denmark's total quantities of Kyoto Protocol units by account type at the end of 2016 (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 accounts	NO	NO	NO	209 438	NO	NO
Entity holding accounts	NO	NO	NO	10 343	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	11 164	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of 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 account for non-submission of certification report	NO	NO	NO	NO		NO
Total	NO	NO	NO	230 945	NO	NO

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

Table 40
Denmark's total transactions of Kyoto Protocol units in 2016 (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	60 795	NO	NO
Total transactions	NO	NO	NO	60 795	NO	NO
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	NO	NO	NO
External transactions	NO	NO	NO	634 856	NO	NO
Total transactions	NO	NO	NO	634 856	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. Estonia

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

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

Table 41
Key initial accounting parameters under the Kyoto Protocol for Estonia (final values)

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base-year emissions ^a	39 996 697	t CO ₂ eq
Quantified emission limitation or reduction commitment inscribed in the third column of Annex B in the Doha Amendment to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	80	per cent
Assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment for the second commitment period ^b	51 056 976	t CO ₂ eq
Difference between the assigned amount for the second commitment period and the average annual emissions for the first three years of the first commitment period, multiplied by eight ^c	NA	
Limitation on the additions to Estonia's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	11 199 075	t CO ₂ eq

Abbreviation: NA = not applicable.

^a The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for the calculation of the assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment.

^b The assigned amounts of each European Union member State and Iceland are equal to the emission levels agreed under the terms of the joint fulfilment agreement and the results of the application of Article 3, paragraph 7 bis, of the Doha Amendment for that member State or Iceland. The joint fulfilment agreement has not as yet

been deposited and circulated in accordance with Article 4 of the Kyoto Protocol. However, the secretariat was notified by the European Union of the conditions of the agreement and the intention of the European Union and its member States to deposit it upon ratification of the Doha Amendment at the time of the submission of the report pursuant to decision 2/CMP.8 made in accordance with paragraph 6 of decision 1/CMP.8.

^c This difference is calculated on the basis of the joint assigned amount of the European Union, its member States and Iceland.

Table 42

Estonia's emissions/removals of greenhouse gases in 2014 and 2015

Parameter	Emissions/removals of greenhouse gases (t CO ₂ eq)				
	Final values (2016 submission)		Provisional values (2017 submission)		
	Base year	2014	Base year	2014	2015
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol		21 059 240		21 081 126	18 040 485
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)		82 491		45 843	6 811
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		-1 247 012		-3 031 130	-3 518 521
FMRL (t CO ₂ eq per year)		-2 741 000		-2 741 000	-2 741 000
Technical correction to FMRL (t CO ₂ eq per year)		NE		NE	NE
Net emissions or removals from LULUCF activities (excluding forest management) under Article 3, paragraph 4, of the Kyoto Protocol	NA	NA	NA	NA	NA

Abbreviations: FMRL = forest management reference level, LULUCF = land use, land-use change and forestry, NA = not applicable, NE = not estimated.

Table 43

Estonia's total quantities of Kyoto Protocol units by account type at the end of 2015 (final values)

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding accounts	NO	NO	NO	NO	NO	NO
Entity holding accounts	NO	NO	NO	NO	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	NO	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of storage	NO	NO	NO	NO		NO
ICER replacement account 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 44
Estonia's total quantities of Kyoto Protocol units by account type at the end of 2016 (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 accounts	NO	NO	NO	NO	NO	NO
Entity holding accounts	NO	NO	NO	NO	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	NO	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of storage	NO	NO	NO	NO		NO
ICER replacement account 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 45
Estonia's total transactions of Kyoto Protocol units in 2016 (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.

XII. European Union

29. 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.

30. Tables 46–50 provide detailed information on the European Union's initial accounting parameters for the second commitment period 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 46
Key initial accounting parameters under the Kyoto Protocol for the European Union (provisional values)

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base-year emissions ^a	5 879 036 636	t CO ₂ eq
Quantified emission limitation or reduction commitment inscribed in the third column of Annex B in the Doha Amendment to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	80	per cent
Assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment for the second commitment period ^b	37 625 402 324	t CO ₂ eq
Difference between the assigned amount for the second commitment period and the average annual emissions for the first three years of the first commitment period, multiplied by eight	Value not reported	
Limitation on the additions to the assigned amount of the European Union resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	Value not reported	

^a The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for the calculation of the assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment, including emissions from the conversion of forests (deforestation) of 5,517,296 t CO₂ eq.

^b The assigned amount of the European Union in the table results from the calculation of the percentage for the European Union, its member States and Iceland inscribed in the third column of Annex B in the Doha Amendment to the Kyoto Protocol as contained in annex I to decision 1/CMP.8 (80 per cent) of the base-year emissions, multiplied by eight (37,625,402,324 t CO₂ eq). As per the report to facilitate the calculation of the assigned amount for the second commitment period of the European Union as at 23 September 2016, this represents the joint assigned amount of the European Union, its member States and Iceland, which is the sum of the assigned amount of the 28 member States and Iceland (21,791,067,463 t CO₂ eq) and the assigned amount of the European Union (15,834,334,860 t CO₂ eq), determined in line with the terms of the joint fulfilment agreement. The joint fulfilment agreement has not as yet been deposited and circulated in accordance with Article 4 of the Kyoto Protocol. However, the secretariat was notified by the European Union of the conditions of the agreement and the intention of the European Union and its

member States to deposit it upon ratification of the Doha Amendment at the time of the submission of the report pursuant to decision 2/CMP.8 made in accordance with paragraph 6 of decision 1/CMP.8.

Table 47

The European Union's emissions/removals of greenhouse gases in 2014 and 2015

Parameter	Emissions/removals of greenhouse gases (t CO ₂ eq)				
	Final values (2016 submission)		Provisional values (2017 submission)		
	Base year	2014	Base year	2014	2015
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol		4 289 737 372		4 294 381 524	4 317 434 934
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)		-19 424 814		-16 376 267	-18 796 396
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		-353 483 751		-424 197 371	-407 414 316
FMRL (t CO ₂ eq per year)		-315 476 000		-315 476 000	-315 476 000
Technical correction to FMRL (t CO ₂ eq per year)		19 339 100		24 765 075	24 765 075
Net emissions or removals from LULUCF activities (excluding forest management) under Article 3, paragraph 4, of the Kyoto Protocol	54 284 729	53 031 288	60 123 663	50 253 932	49 412 907

Abbreviations: FMRL = forest management reference level, LULUCF = land use, land-use change and forestry.

Table 48

The European Union's total quantities of Kyoto Protocol units by account type at the end of 2015 (final values)

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding accounts	NO	NO	NO	40 702 342	NO	NO
Entity holding accounts	NO	NO	NO	NO	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	489 853	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account 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 account for reversal of storage	NO	NO	NO	NO		NO
ICER replacement account for non-submission of certification report	NO	NO	NO	NO		NO
Total	NO	NO	NO	41 192 195	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 49

The European Union's total quantities of Kyoto Protocol units by account type at the end of 2016 (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 accounts	NO	NO	NO	65 538 389	NO	NO
Entity holding accounts	NO	NO	NO	NO	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	1 367 208	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of storage	NO	NO	NO	NO		NO
ICER replacement account for non-submission of certification report	NO	NO	NO	NO		NO
Total	NO	NO	NO	66 905 597	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 50

The European Union's total transactions of Kyoto Protocol units in 2016 (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	42 037 769	NO	NO

<i>Transaction type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Total transactions	NO	NO	NO	42 037 769	NO	NO
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	877 355	NO	NO
External transactions	NO	NO	NO	16 324 367	NO	NO
Total transactions	NO	NO	NO	17 201 722	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. Finland

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

32. Tables 51–55 provide detailed information on Finland's initial accounting parameters for the second commitment period 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 51

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 ^a	71 350 147	t CO ₂ eq
Quantified emission limitation or reduction commitment inscribed in the third column of Annex B in the Doha Amendment to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	80	per cent
Assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment for the second commitment period ^b	240 544 599	t CO ₂ eq
Difference between the assigned amount for the second commitment period and the average annual emissions for the first three years of the first commitment period, multiplied by eight ^c	NA	
Limitation on the additions to Finland's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	19 978 041	t CO ₂ eq

Abbreviation: NA = not applicable.

^a The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for the calculation of the assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment.

^b The assigned amounts of each European Union member State and Iceland are equal to the emission levels agreed under the terms of the joint fulfilment agreement and the results of the application of Article 3, paragraph 7 bis, of the Doha Amendment for that member State or Iceland. The joint fulfilment agreement has not as yet been deposited and circulated in accordance with Article 4 of the Kyoto Protocol. However, the secretariat was notified by the European Union of the conditions of the agreement and the intention of the European Union and its member States to deposit it upon ratification of the Doha Amendment at the time of the submission of the report pursuant to decision 2/CMP.8 made in accordance with paragraph 6 of decision 1/CMP.8.

^c This difference is calculated on the basis of the joint assigned amount of the European Union, its member States and Iceland.

Table 52

Finland's emissions/removals of greenhouse gases in 2014 and 2015

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO₂ eq)</i>				
	<i>Final values (2016 submission)</i>		<i>Provisional values (2017 submission)</i>		
	<i>Base year</i>	<i>2014</i>	<i>Base year</i>	<i>2014</i>	<i>2015</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol		59 105 077		59 125 790	55 559 213

Parameter	Emissions/removals of greenhouse gases (t CO ₂ eq)				
	Final values (2016 submission)		Provisional values (2017 submission)		
	Base year	2014	Base year	2014	2015
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)		3 256 151		3 233 289	2 923 614
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		-44 697 667		-54 381 385	-49 312 939
FMRL (t CO ₂ eq per year)		-20 466 000		-20 466 000	-20 466 000
Technical correction to FMRL (t CO ₂ eq per year)		-10 975 000		-13 582 000	-13 582 000
Net emissions or removals from LULUCF activities (excluding forest management) under Article 3, paragraph 4, of the Kyoto Protocol		NA		NA	NA

Abbreviations: FMRL = forest management reference level, LULUCF = land use, land-use change and forestry, NA = not applicable.

Table 53

Finland's total quantities of Kyoto Protocol units by account type at the end of 2015 (final values)

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding accounts	NO	NO	NO	607 468	NO	NO
Entity holding accounts	NO	NO	NO	31 063	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	6	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of storage	NO	NO	NO	NO		NO
ICER replacement account for non-submission of certification report	NO	NO	NO	NO		NO
Total	NO	NO	NO	638 537	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 54
Finland's total quantities of Kyoto Protocol units by account type at the end of 2016 (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 accounts	NO	NO	NO	1 321 187	NO	NO
Entity holding accounts	NO	NO	NO	67 785	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	3 487	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of storage	NO	NO	NO	NO		NO
ICER replacement account for non-submission of certification report	NO	NO	NO	NO		NO
Total	NO	NO	NO	1 392 459	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 55
Finland's total transactions of Kyoto Protocol units in 2016 (provisional values)

<i>Transaction type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
<i>Additions</i>						
Internal transactions		NO	NO			
External transactions	NO	NO	NO	1 048 614	NO	NO
Total transactions	NO	NO	NO	1 048 614	NO	NO
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	3 481	NO	NO
External transactions	NO	NO	NO	294 692	NO	NO
Total transactions	NO	NO	NO	298 173	NO	NO

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

XIV. France

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

34. Tables 56–60 provide detailed information on France's initial accounting parameters for the second commitment period 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 56

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 ^a	548 055 757	t CO ₂ eq
Quantified emission limitation or reduction commitment inscribed in the third column of Annex B in the Doha Amendment to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	80	per cent
Assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment for the second commitment period ^b	3 014 714 832	t CO ₂ eq
Difference between the assigned amount for the second commitment period and the average annual emissions for the first three years of the first commitment period, multiplied by eight ^c	NA	
Limitation on the additions to France's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	153 455 612	t CO ₂ eq

Abbreviation: NA = not applicable.

^a The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for the calculation of the assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment.

^b The assigned amounts of each European Union member State and Iceland are equal to the emission levels agreed under the terms of the joint fulfilment agreement and the results of the application of Article 3, paragraph 7 bis, of the Doha Amendment for that member State or Iceland. The joint fulfilment agreement has not as yet been deposited and circulated in accordance with Article 4 of the Kyoto Protocol. However, the secretariat was notified by the European Union of the conditions of the agreement and the intention of the European Union and its member States to deposit it upon ratification of the Doha Amendment at the time of the submission of the report pursuant to decision 2/CMP.8 made in accordance with paragraph 6 of decision 1/CMP.8.

^c This difference is calculated on the basis of the joint assigned amount of the European Union, its member States and Iceland.

Table 57

France's emissions/removals of greenhouse gases in 2014 and 2015

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO₂ eq)</i>				
	<i>Final values (2016 submission)</i>		<i>Provisional values (2017 submission)</i>		
	<i>Base year</i>	<i>2014</i>	<i>Base year</i>	<i>2014</i>	<i>2015</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol		459 107 634		453 487 140	457 128 583
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)		546 426		1 532 838	1 341 547
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		–64 952 627		–52 816 487	–48 864 799

Parameter	Emissions/removals of greenhouse gases (t CO ₂ eq)				
	Final values (2016 submission)		Provisional values (2017 submission)		
	Base year	2014	Base year	2014	2015
FMRL (t CO ₂ eq per year)		-67 410 000		-67 410 000	-67 410 000
Technical correction to FMRL (t CO ₂ eq per year)		21 795 000		21 795 000	21 795 000
Net emissions or removals from LULUCF activities (excluding forest management) under Article 3, paragraph 4, of the Kyoto Protocol	NO	NE, NO	NO	NE, NO	NE, NO

Abbreviations: FMRL = forest management reference level, LULUCF = land use, land-use change and forestry, NE = not estimated, NO = not occurring.

Table 58

France's total quantities of Kyoto Protocol units by account type at the end of 2015 (final values)

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding accounts	NO	NO	NO	NO	NO	NO
Entity holding accounts	NO	NO	NO	36 961	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	30 321	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of storage	NO	NO	NO	NO		NO
ICER replacement account for non-submission of certification report	NO	NO	NO	NO		NO
Total	NO	NO	NO	67 282	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 59
**France's total quantities of Kyoto Protocol units by account type at the end of 2016
(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 accounts	NO	NO	NO	NO	NO	NO
Entity holding accounts	NO	NO	NO	4 638	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	30 621	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of storage	NO	NO	NO	NO		NO
ICER replacement account for non-submission of certification report	NO	NO	NO	NO		NO
Total	NO	NO	NO	35 259	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 60
France's total transactions of Kyoto Protocol units in 2016 (provisional values)

<i>Transaction type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
<i>Additions</i>						
Internal transactions		NO	NO			
External transactions	NO	NO	NO	1 315 393	NO	NO
Total transactions	NO	NO	NO	1 315 393	NO	NO
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	300	NO	NO
External transactions	NO	NO	NO	1 347 416	NO	NO
Total transactions	NO	NO	NO	1 347 716	NO	NO

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

XV. Germany

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

36. Tables 61–65 provide detailed information on Germany's initial accounting parameters for the second commitment period 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 61

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 ^a	1 253 599 336	t CO ₂ eq
Quantified emission limitation or reduction commitment inscribed in the third column of Annex B in the Doha Amendment to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	80	per cent
Assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment for the second commitment period ^b	3 592 699 888	t CO ₂ eq
Difference between the assigned amount for the second commitment period and the average annual emissions for the first three years of the first commitment period, multiplied by eight ^c	NA	
Limitation on the additions to Germany's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	351 007 813	t CO ₂ eq

Abbreviation: NA = not applicable.

^a The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for the calculation of the assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment.

^b The assigned amounts of each European Union member State and Iceland are equal to the emission levels agreed under the terms of the joint fulfilment agreement and the results of the application of Article 3, paragraph 7 bis, of the Doha Amendment for that member State or Iceland. The joint fulfilment agreement has not as yet been deposited and circulated in accordance with Article 4 of the Kyoto Protocol. However, the secretariat was notified by the European Union of the conditions of the agreement and the intention of the European Union and its member States to deposit it upon ratification of the Doha Amendment at the time of the submission of the report pursuant to decision 2/CMP.8 made in accordance with paragraph 6 of decision 1/CMP.8.

^c This difference is calculated on the basis of the joint assigned amount of the European Union, its member States and Iceland.

Table 62

Germany's emissions/removals of greenhouse gases in 2014 and 2015

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO₂ eq)</i>				
	<i>Final values (2016 submission)</i>		<i>Provisional values (2017 submission)</i>		
	<i>Base year</i>	<i>2014</i>	<i>Base year</i>	<i>2014</i>	<i>2015</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol		901 763 939		904 262 216	901 931 512
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)		-4 452 743		-4 387 249	-4 593 882
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		-55 069 681		-54 900 083	-54 853 163
FMRL (t CO ₂ eq per year)		-22 410 000		-22 418 000	-22 418 000
Technical correction to FMRL (t CO ₂ eq per year)		NE		NE	NE

Parameter	Emissions/removals of greenhouse gases (t CO ₂ eq)				
	Final values (2016 submission)		Provisional values (2017 submission)		
	Base year	2014	Base year	2014	2015
Net emissions or removals from LULUCF activities (excluding forest management) under Article 3, paragraph 4, of the Kyoto Protocol	38 468 671	36 833 866	38 440 460	36 769 139	36 815 559

Abbreviations: FMRL = forest management reference level, LULUCF = land use, land-use change and forestry, NE = not estimated.

Table 63
Germany's total quantities of Kyoto Protocol units by account type at the end of 2015
(final values)

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding accounts	NO	NO	NO	NO	NO	NO
Entity holding accounts	NO	NO	NO	526 923	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	153 069	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of storage	NO	NO	NO	NO		NO
ICER replacement account for non-submission of certification report	NO	NO	NO	NO		NO
Total	NO	NO	NO	679 992	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 64
Germany's total quantities of Kyoto Protocol units by account type at the end of 2016
(provisional values)

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding accounts	NO	NO	NO	NO	NO	NO
Entity holding accounts	NO	NO	NO	542 954	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	836 573	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of storage	NO	NO	NO	NO		NO
ICER replacement account for non-submission of certification report	NO	NO	NO	NO		NO
Total	NO	NO	NO	1 379 527	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 65
Germany's total transactions of Kyoto Protocol units in 2016 (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	2 367 730	NO	NO
Total transactions	NO	NO	NO	2 367 730	NO	NO
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	683 504	NO	NO
External transactions	NO	NO	NO	1 668 195	NO	NO
Total transactions	NO	NO	NO	2 351 699	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. Greece

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

38. Tables 66–70 provide detailed information on Greece's initial accounting parameters for the second commitment period 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 66

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 ^a	107 564 136	t CO ₂ eq
Quantified emission limitation or reduction commitment inscribed in the third column of Annex B in the Doha Amendment to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	80	per cent
Assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment for the second commitment period ^b	480 791 166	t CO ₂ eq
Difference between the assigned amount for the second commitment period and the average annual emissions for the first three years of the first commitment period, multiplied by eight ^c	NA	
Limitation on the additions to Greece's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	30 117 958	t CO ₂ eq

Abbreviation: NA = not applicable.

^a The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for the calculation of the assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment.

^b The assigned amounts of each European Union member State and Iceland are equal to the emission levels agreed under the terms of the joint fulfilment agreement and the results of the application of Article 3, paragraph 7 bis, of the Doha Amendment for that member State or Iceland. The joint fulfilment agreement has not as yet been deposited and circulated in accordance with Article 4 of the Kyoto Protocol. However, the secretariat was notified by the European Union of the conditions of the agreement and the intention of the European Union and its member States to deposit it upon ratification of the Doha Amendment at the time of the submission of the report pursuant to decision 2/CMP.8 made in accordance with paragraph 6 of decision 1/CMP.8.

^c This difference is calculated on the basis of the joint assigned amount of the European Union, its member States and Iceland.

Table 67

Greece's emissions/removals of greenhouse gases in 2014 and 2015

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO₂ eq)</i>				
	<i>Final values (2016 submission)</i>		<i>Provisional values (2017 submission)</i>		
	<i>Base year</i>	<i>2014</i>	<i>Base year</i>	<i>2014</i>	<i>2015</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol		101 298 184		99 353 485	95 715 099
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)		-89 705		-99 613	-79 510
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		-2 468 180		-2 038 996	-2 028 152
FMRL (t CO ₂ eq per year)		-1 830 000		-1 830 000	-1 830 000
Technical correction to FMRL (t CO ₂ eq per year)		168 473		91 976	91 976
Net emissions or removals from LULUCF activities (excluding forest management) under Article 3, paragraph 4, of the Kyoto Protocol	NA	NA	NA	NA	NA

Abbreviations: FMRL = forest management reference level, LULUCF = land use, land-use change and forestry, NA = not applicable.

Table 68
Greece's total quantities of Kyoto Protocol units by account type at the end of 2015
(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 accounts	NO	NO	NO	NO	NO	NO
Entity holding accounts	NO	NO	NO	NO	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	NO	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of storage	NO	NO	NO	NO		NO
ICER replacement account 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 69
Greece's total quantities of Kyoto Protocol units by account type at the end of 2016
(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 accounts	NO	NO	NO	NO	NO	NO
Entity holding accounts	NO	NO	NO	NO	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	NO	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of storage	NO	NO	NO	NO		NO
ICER replacement account 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 70

Greece's total transactions of Kyoto Protocol units in 2016 (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.

XVII. Hungary

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

40. Tables 71–75 provide detailed information on Hungary's initial accounting parameters for the second commitment period 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 71

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 ^a	109 574 819	t CO ₂ eq
Quantified emission limitation or reduction commitment inscribed in the third column of Annex B in the Doha Amendment to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	80	per cent
Assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment for the second commitment period ^b	434 486 280	t CO ₂ eq

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Difference between the assigned amount for the second commitment period and the average annual emissions for the first three years of the first commitment period, multiplied by eight ^c	NA	
Limitation on the additions to Hungary's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	30 680 949	t CO ₂ eq

Abbreviation: NA = not applicable.

^a The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for the calculation of the assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment.

^b The assigned amounts of each European Union member State and Iceland are equal to the emission levels agreed under the terms of the joint fulfilment agreement and the results of the application of Article 3, paragraph 7 bis, of the Doha Amendment for that member State or Iceland. The joint fulfilment agreement has not as yet been deposited and circulated in accordance with Article 4 of the Kyoto Protocol. However, the secretariat was notified by the European Union of the conditions of the agreement and the intention of the European Union and its member States to deposit it upon ratification of the Doha Amendment at the time of the submission of the report pursuant to decision 2/CMP.8 made in accordance with paragraph 6 of decision 1/CMP.8.

^c This difference is calculated on the basis of the joint assigned amount of the European Union, its member States and Iceland.

Table 72

Hungary's emissions/removals of greenhouse gases in 2014 and 2015

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO₂ eq)</i>				
	<i>Final values (2016 submission)</i>		<i>Provisional values (2017 submission)</i>		
	<i>Base year</i>	<i>2014</i>	<i>Base year</i>	<i>2014</i>	<i>2015</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol		57 225 155		57 879 437	61 091 749
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)		-924 105		-920 036	-1 000 469
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		-3 181 237		-3 181 237	-4 343 992
FMRL (t CO ₂ eq per year)		-1 000 000		-1 000 000	-1 000 000
Technical correction to FMRL (t CO ₂ eq per year)		-40 000		-40 000	-40 000
Net emissions or removals from LULUCF activities (excluding forest management) under Article 3, paragraph 4, of the Kyoto Protocol		NA		NA	NA

Abbreviations: FMRL = forest management reference level, LULUCF = land use, land-use change and forestry, NA = not applicable.

Table 73

Hungary's total quantities of Kyoto Protocol units by account type at the end of 2015 (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 accounts	NO	NO	NO	NO	NO	NO
Entity holding accounts	NO	NO	NO	NO	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	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 account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	NO	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of storage	NO	NO	NO	NO		NO
ICER replacement account 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 74

Hungary's total quantities of Kyoto Protocol units by account type at the end of 2016 (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 accounts	NO	NO	NO	NO	NO	NO
Entity holding accounts	NO	NO	NO	NO	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	NO	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of 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 account 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 75
Hungary's total transactions of Kyoto Protocol units in 2016 (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.

XVIII. Iceland

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

42. Tables 76–80 provide detailed information on Iceland's initial accounting parameters for the second commitment period 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 Iceland (final values)

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base-year emissions ^a	3 633 558	t CO ₂ eq
Quantified emission limitation or reduction commitment inscribed in the third column of Annex B in the Doha Amendment to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	80	per cent
Assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment for the second commitment period ^b	15 327 217	t CO ₂ eq
Difference between the assigned amount for the second commitment period and the average annual emissions for the first three years of the first commitment period, multiplied by eight ^c	NA	
Limitation on the additions to Iceland's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	1 017 396	t CO ₂ eq

Abbreviation: NA = not applicable.

^a The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for the calculation of the assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment.

^b The assigned amounts of each European Union member State and Iceland are equal to the emission levels agreed under the terms of the joint fulfilment agreement and the results of the application of Article 3, paragraph 7 bis, of the Doha Amendment for that member State or Iceland. The joint fulfilment agreement has not as yet

been deposited and circulated in accordance with Article 4 of the Kyoto Protocol. However, the secretariat was notified by the European Union of the conditions of the agreement and the intention of the European Union and its member States to deposit it upon ratification of the Doha Amendment at the time of the submission of the report pursuant to decision 2/CMP.8 made in accordance with paragraph 6 of decision 1/CMP.8.

^c This difference is calculated on the basis of the joint assigned amount of the European Union, its member States and Iceland.

Table 77

Iceland's emissions/removals of greenhouse gases in 2014 and 2015

Parameter	Emissions/removals of greenhouse gases (t CO ₂ eq)				
	Final values (2016 submission)		Provisional values (2017 submission)		
	Base year	2014	Base year	2014	2015
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol		4 596 847		4 471 721	4 557 174
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)		-209 300		-201 139	-251 138
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		-82 437		-82 833	-82 237
FMRL (t CO ₂ eq per year)		154 000		-154 000	-154 000
Technical correction to FMRL (t CO ₂ eq per year)		NE		NE	NE
Net emissions or removals from LULUCF activities (excluding forest management) under Article 3, paragraph 4, of the Kyoto Protocol	-347 705	-560 326	-347 705	-557 511	-569 581

Abbreviations: FMRL = forest management reference level, LULUCF = land use, land-use change and forestry, NE = not estimated.

Table 78

Iceland's total quantities of Kyoto Protocol units by account type at the end of 2015 (final values)

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding accounts	NO	NO	NO	NO	NO	NO
Entity holding accounts	NO	NO	NO	NO	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	NO	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of storage	NO	NO	NO	NO		NO
ICER replacement account 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 79

Iceland's total quantities of Kyoto Protocol units by account type at the end of 2016 (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 accounts	NO	NO	NO	NO	NO	NO
Entity holding accounts	NO	NO	NO	NO	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	NO	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of storage	NO	NO	NO	NO		NO
ICER replacement account 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 80
Iceland's total transactions of Kyoto Protocol units in 2016 (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.

XIX. Ireland

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

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

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

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base-year emissions ^a	56 425 830	t CO ₂ eq
Quantified emission limitation or reduction commitment inscribed in the third column of Annex B in the Doha Amendment to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	80	per cent
Assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment for the second commitment period ^b	343 519 892	t CO ₂ eq
Difference between the assigned amount for the second commitment period and the average annual emissions for the first three years of the first commitment period, multiplied by eight ^c	NA	
Limitation on the additions to Ireland's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	15 796 928	t CO ₂ eq

Abbreviation: NA = not applicable.

^a The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for the calculation of the assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment, including emissions from the conversion of forests (deforestation) of 8,230 t CO₂ eq.

^b The assigned amounts of each European Union member State and Iceland are equal to the emission levels agreed under the terms of the joint fulfilment agreement and the results of the application of Article 3, paragraph 7 bis, of the Doha Amendment for that member State or Iceland. The joint fulfilment agreement has not as yet been deposited and circulated in accordance with Article 4 of the Kyoto Protocol. However, the secretariat was notified by the European Union of the conditions of the agreement and the intention of the European Union and its member States to deposit it upon ratification of the Doha Amendment at the time of the submission of the report pursuant to decision 2/CMP.8 made in accordance with paragraph 6 of decision 1/CMP.8.

^c This difference is calculated on the basis of the joint assigned amount of the European Union, its member States and Iceland.

Table 82
Ireland's emissions/removals of greenhouse gases in 2014 and 2015

Parameter	Emissions/removals of greenhouse gases (t CO ₂ eq)				
	Final values (2016 submission)		Provisional values (2017 submission)		
	Base year	2014	Base year	2014	2015
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol		58 253 671		57 757 916	59 878 213
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)		-3 480 892		-3 479 459	-3 536 298
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		-256 596		-256 596	-529 689
FMRL (t CO ₂ eq per year)		-142 070		-142 070	-142 070
Technical correction to FMRL (t CO ₂ eq per year)		-354 707		-470 854	-470 854
Net emissions or removals from LULUCF activities (excluding forest management) under Article 3, paragraph 4, of the Kyoto Protocol	7 072 107	5 963 016	7 102 695	5 951 293	5 799 415

Abbreviations: FMRL = forest management reference level, LULUCF = land use, land-use change and forestry.

Table 83
Ireland's total quantities of Kyoto Protocol units by account type at the end of 2015 (final values)

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding accounts	NO	NO	NO	NO	NO	NO
Entity holding accounts	NO	NO	NO	NO	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	NO	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of 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 account 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 84

Ireland's total quantities of Kyoto Protocol units by account type at the end of 2016 (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 accounts	NO	NO	NO	NO	NO	NO
Entity holding accounts	NO	74 964	NO	5 255 000	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	NO	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of storage	NO	NO	NO	NO		NO
ICER replacement account for non-submission of certification report	NO	NO	NO	NO		NO
Total	NO	74 964	NO	5 255 000	NO	NO

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

Table 85

Ireland's total transactions of Kyoto Protocol units in 2016 (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

<i>Transaction type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
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.

XX. Italy

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

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

Table 86

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

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base-year emissions ^a	521 920 601	t CO ₂ eq
Quantified emission limitation or reduction commitment inscribed in the third column of Annex B in the Doha Amendment to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	80	per cent
Assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment for the second commitment period ^b	2 410 291 421	t CO ₂ eq
Difference between the assigned amount for the second commitment period and the average annual emissions for the first three years of the first commitment period, multiplied by eight ^c	NA	
Limitation on the additions to Italy's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	146 137 768	t CO ₂ eq

Abbreviation: NA = not applicable.

^a The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for the calculation of the assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment.

^b The assigned amounts of each European Union member State and Iceland are equal to the emission levels agreed under the terms of the joint fulfilment agreement and the results of the application of Article 3, paragraph 7 bis, of the Doha Amendment for that member State or Iceland. The joint fulfilment agreement has not as yet been deposited and circulated in accordance with Article 4 of the Kyoto Protocol. However, the secretariat was notified by the European Union of the conditions of the agreement and the intention of the European Union and its member States to deposit it upon ratification of the Doha Amendment at the time of the submission of the report pursuant to decision 2/CMP.8 made in accordance with paragraph 6 of decision 1/CMP.8.

^c This difference is calculated on the basis of the joint assigned amount of the European Union, its member States and Iceland.

Table 87

Italy's emissions/removals of greenhouse gases in 2014 and 2015

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO₂ eq)</i>				
	<i>Final values (2016 submission)</i>		<i>Provisional values (2017 submission)</i>		
	<i>Base year</i>	<i>2014</i>	<i>Base year</i>	<i>2014</i>	<i>2015</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol		418 587 215		423 323 986	433 024 539
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol		–5 797 800		–6 362 643	–6 829 155

Parameter	Emissions/removals of greenhouse gases (t CO ₂ eq)				
	Final values (2016 submission)		Provisional values (2017 submission)		
	Base year	2014	Base year	2014	2015
(afforestation and reforestation, and deforestation)					
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		-29 144 890		-31 127 486	-31 551 669
FMRL (t CO ₂ eq per year)				-22 166 000	-22 166 000
Technical correction to FMRL (t CO ₂ eq per year)		NE		NA	NA
Net emissions or removals from LULUCF activities (excluding forest management) under Article 3, paragraph 4, of the Kyoto Protocol	-122 931	670 748	-124 650	-335 692	-356 299

Abbreviations: FMRL = forest management reference level, LULUCF = land use, land-use change and forestry, NA = not applicable, NE = not estimated.

Table 88

Italy's total quantities of Kyoto Protocol units by account type at the end of 2015 (final values)

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding accounts	NO	NO	NO	NO	NO	NO
Entity holding accounts	NO	NO	NO	1 314 052	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	NO	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of storage	NO	NO	NO	NO		NO
ICER replacement account for non-submission of certification report	NO	NO	NO	NO		NO
Total	NO	NO	NO	1 314 052	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 89
Italy's total quantities of Kyoto Protocol units by account type at the end of 2016
(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 accounts	NO	698 870	NO	975 671	NO	NO
Entity holding accounts	NO	410 076	NO	2 862 425	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	NO	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of storage	NO	NO	NO	NO		NO
ICER replacement account for non-submission of certification report	NO	NO	NO	NO		NO
Total	NO	1 108 946	NO	3 838 096	NO	NO

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

Table 90
Italy's total transactions of Kyoto Protocol units in 2016 (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	715 832	NO	NO
Total transactions	NO	NO	NO	715 832	NO	NO
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	NO	NO	NO
External transactions	NO	NO	NO	297 919	NO	NO
Total transactions	NO	NO	NO	297 919	NO	NO

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

XXI. Kazakhstan

47. The eligibility of Kazakhstan to participate in the flexibility mechanisms under the Kyoto Protocol had not been established⁸ as at 6 September 2017.

48. Tables 91 and 92 provide detailed information on Kazakhstan's initial accounting parameters for the second commitment period under the Kyoto Protocol and its GHG emissions and removals.

Table 91

Key initial accounting parameters under the Kyoto Protocol for Kazakhstan (provisional values)

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base-year emissions ^a	389 104 468	t CO ₂ eq
Quantified emission limitation or reduction commitment inscribed in the third column of Annex B in the Doha Amendment 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 bis, 8 and 8 bis, of the Doha Amendment for the second commitment period	2 957 193 957	t CO ₂ eq
Difference between the assigned amount for the second commitment period and the average annual emissions for the first three years of the first commitment period, multiplied by eight ^b	NA	
Limitation on the additions to Kazakhstan's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	Value not reported	

Abbreviation: NA = not applicable.

^a The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for the calculation of the assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment.

^b Kazakhstan did not have a quantified emission limitation or reduction commitment in the first commitment period of the Kyoto Protocol.

Table 92

Kazakhstan's emissions/removals of greenhouse gases in 2014 and 2015

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO₂ eq)</i>				
	<i>Final values (2016 submission)^a</i>		<i>Provisional values (2017 submission)</i>		
	<i>Base year</i>	<i>2014</i>	<i>Base year</i>	<i>2014</i>	<i>2015</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol		313 755 407		317 068 912	300 920 501
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)				-260 333	-343 567
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals				-10 769 415	-10 758 874
FMRL (t CO ₂ eq per year) ^b					
Technical correction to FMRL (t CO ₂ eq per year)				NA	NA
Net emissions or removals from LULUCF activities (excluding forest)			2 882 000	-19 162 000	-19 961 333

⁸ See decision 11/CMP.1, annex, paragraphs 2 and 3, in conjunction with: decision 1/CMP.8; decision 9/CMP.1, annex, paragraphs 21 and 22; and decision 3/CMP.1, annex, paragraphs 31 and 32.

Parameter	Emissions/removals of greenhouse gases (t CO ₂ eq)				
	Final values (2016 submission) ^a		Provisional values (2017 submission)		
	Base year	2014	Base year	2014	2015
management) under Article 3, paragraph 4, of the Kyoto Protocol					

Abbreviations: FMRL = forest management reference level, LULUCF = land use, land-use change and forestry, NA = not applicable.

^a The 2016 annual submission of Kazakhstan did not contain information on its emissions and removals from LULUCF activities under Article 3, paragraphs 3 and 4, of the Kyoto Protocol.

^b Kazakhstan has not yet submitted information on its FMRL in accordance with the guidelines outlined in part I of appendix II to decision 2/CMP.6, and therefore it has no value for its FMRL inscribed in the appendix to the annex to decision 2/CMP.7.

49. As at 6 September 2017, Kazakhstan had not yet submitted standard electronic format tables for the second commitment period of the Kyoto Protocol.

XXII. Latvia

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

51. Tables 93–97 provide detailed information on Latvia’s initial accounting parameters for the second commitment period 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 93

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

Parameter	Value	Unit
Total base-year emissions ^a	26 409 077	t CO ₂ eq
Quantified emission limitation or reduction commitment inscribed in the third column of Annex B in the Doha Amendment to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	80	per cent
Assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment for the second commitment period ^b	76 633 439	t CO ₂ eq
Difference between the assigned amount for the second commitment period and the average annual emissions for the first three years of the first commitment period, multiplied by eight ^c	NA	
Limitation on the additions to Latvia’s assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	7 394 541	t CO ₂ eq

Abbreviation: NA= not applicable.

^a The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for the calculation of the assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment.

^b The assigned amounts of each European Union member State and Iceland are equal to the emission levels agreed under the terms of the joint fulfilment agreement and the results of the application of Article 3, paragraph 7 bis, of the Doha Amendment for that member State or Iceland. The joint fulfilment agreement has not as yet been deposited and circulated in accordance with Article 4 of the Kyoto Protocol. However, the secretariat was notified by the European Union of the conditions of the agreement and the intention of the European Union and its member States to deposit it upon ratification of the Doha Amendment at the time of the submission of the report pursuant to decision 2/CMP.8 made in accordance with paragraph 6 of decision 1/CMP.8.

^c This difference is calculated on the basis of the joint assigned amount of the European Union, its member States and Iceland.

Table 94
Latvia's emissions/removals of greenhouse gases in 2014 and 2015

Parameter	Emissions/removals of greenhouse gases (t CO ₂ eq)				
	Final values (2016 submission)		Provisional values (2017 submission)		
	Base year	2014	Base year	2014	2015
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol		11 393 294		11 210 219	11 319 390
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)		1 315 182		1 654 188	1 679 445
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		-428 403		474 993	-2 534 435
FMRL (t CO ₂ eq per year)		-16 302 000		-16 302 000	-16 302 000
Technical correction to FMRL (t CO ₂ eq per year)		9 922 000		11 703 392	11 703 392
Net emissions or removals from LULUCF activities (excluding forest management) under Article 3, paragraph 4, of the Kyoto Protocol	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO

Abbreviations: FMRL = forest management reference level, LULUCF = land use, land-use change and forestry, NA = not applicable, NO = not occurring.

Table 95
Latvia's total quantities of Kyoto Protocol units by account type at the end of 2015 (final values)

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding accounts	NO	NO	NO	NO	NO	NO
Entity holding accounts	NO	NO	NO	NO	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	NO	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of 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 account 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 96

Latvia's total quantities of Kyoto Protocol units by account type at the end of 2016 (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 accounts	NO	NO	NO	NO	NO	NO
Entity holding accounts	NO	5 317	NO	21 550	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	NO	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of storage	NO	NO	NO	NO		NO
ICER replacement account for non-submission of certification report	NO	NO	NO	NO		NO
Total	NO	5 317	NO	21 550	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 97

Latvia's total transactions of Kyoto Protocol units in 2016 (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

<i>Transaction type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
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.

XXIII. Liechtenstein

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

53. Tables 98–102 provide detailed information on Liechtenstein's initial accounting parameters for the second commitment period 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 98

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

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base-year emissions ^a	233 756	t CO ₂ eq
Quantified emission limitation or reduction commitment inscribed in the third column of Annex B in the Doha Amendment to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	84	per cent
Assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment for the second commitment period	1 570 840	t CO ₂ eq
Difference between the assigned amount for the second commitment period and the average annual emissions for the first three years of the first commitment period, multiplied by eight	–501 000	t CO ₂ eq
Limitation on the additions to Liechtenstein's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	64 170	t CO ₂ eq

^a The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for the calculation of the assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment.

Table 99

Liechtenstein's emissions/removals of greenhouse gases in 2014 and 2015

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO₂ eq)</i>				
	<i>Final values (2016 submission)</i>		<i>Provisional values (2017 submission)</i>		
	<i>Base year</i>	<i>2014</i>	<i>Base year</i>	<i>2014</i>	<i>2015</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol		204 416		201 822	199 389
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)		4 104		4 319	4 306
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		3 742		3 738	–1 826
FMRL (t CO ₂ eq per year)		100		100	100

Parameter	Emissions/removals of greenhouse gases (t CO ₂ eq)				
	Final values (2016 submission)		Provisional values (2017 submission)		
	Base year	2014	Base year	2014	2015
Technical correction to FMRL (t CO ₂ eq per year)		259		259	259
Net emissions or removals from LULUCF activities (excluding forest management) under Article 3, paragraph 4, of the Kyoto Protocol		NO		NO	

Abbreviations: FMRL = forest management reference level, LULUCF = land use, land-use change and forestry, NO = not occurring.

Table 100
Liechtenstein's total quantities of Kyoto Protocol units by account type at the end of 2015 (final values)

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding accounts	NO	NO	NO	NO	NO	NO
Entity holding accounts	NO	NO	NO	NO	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	NO	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of storage	NO	NO	NO	NO		NO
ICER replacement account 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 101
Liechtenstein's total quantities of Kyoto Protocol units by account type at the end of 2016 (provisional values)

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding accounts	NO	NO	NO	NO	NO	NO
Entity holding accounts	NO	NO	NO	NO	NO	NO

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	NO	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of storage	NO	NO	NO	NO		NO
ICER replacement account 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 102

Liechtenstein's total transactions of Kyoto Protocol units in 2016 (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.

XXIV. Lithuania

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

55. Tables 103–107 provide detailed information on Lithuania's initial accounting parameters for the second commitment period 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 103

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 ^a	48 196 540	t CO ₂ eq
Quantified emission limitation or reduction commitment inscribed in the third column of Annex B in the Doha Amendment to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	80	per cent
Assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment for the second commitment period ^b	113 600 821	t CO ₂ eq
Difference between the assigned amount for the second commitment period and the average annual emissions for the first three years of the first commitment period, multiplied by eight ^c	NA	
Limitation on the additions to Lithuania's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	13 495 031	t CO ₂ eq

Abbreviation: NA= not applicable.

^a The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for the calculation of the assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment.

^b The assigned amounts of each European Union member State and Iceland are equal to the emission levels agreed under the terms of the joint fulfilment agreement and the results of the application of Article 3, paragraph 7 bis, of the Doha Amendment for that member State or Iceland. The joint fulfilment agreement has not as yet been deposited and circulated in accordance with Article 4 of the Kyoto Protocol. However, the secretariat was notified by the European Union of the conditions of the agreement and the intention of the European Union and its member States to deposit it upon ratification of the Doha Amendment at the time of the submission of the report pursuant to decision 2/CMP.8 made in accordance with paragraph 6 of decision 1/CMP.8.

^c This difference is calculated on the basis of the joint assigned amount of the European Union, its member States and Iceland.

Table 104

Lithuania's emissions/removals of greenhouse gases in 2014 and 2015

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO₂ eq)</i>				
	<i>Final values (2016 submission)</i>		<i>Provisional values (2017 submission)</i>		
	<i>Base year</i>	<i>2014</i>	<i>Base year</i>	<i>2014</i>	<i>2015</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol		19 777 750		19 869 136	20 096 210
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)		20 372		20 372	-262 262
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		-8 981 097		-8 428 786	-7 916 776
FMRL (t CO ₂ eq per year)		-4 552 000		-4 552 000	-4 552 000
Technical correction to FMRL (t CO ₂ eq per year)		-922 000		-922 000	-922 000
Net emissions or removals from LULUCF activities (excluding forest management) under Article 3, paragraph 4, of the Kyoto Protocol		NA		NA	NA

Abbreviations: FMRL = forest management reference level, LULUCF = land use, land-use change and forestry, NA = not applicable.

Table 105
Lithuania's total quantities of Kyoto Protocol units by account type at the end of 2015
(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 accounts	NO	NO	NO	NO	NO	NO
Entity holding accounts	NO	NO	NO	NO	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	NO	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of storage	NO	NO	NO	NO		NO
ICER replacement account 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 106
Lithuania's total quantities of Kyoto Protocol units by account type at the end of 2016
(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 accounts	NO	633 399	NO	229 828	NO	NO
Entity holding accounts	NO	1 693 601	NO	17 138	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	NO	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of storage	NO	NO	NO	NO		NO
ICER replacement account for non-submission of certification report	NO	NO	NO	NO		NO
Total	NO	2 327 000	NO	246 966	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 107

Lithuania's total transactions of Kyoto Protocol units in 2016 (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. Luxembourg

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

57. Tables 108–112 provide detailed information on Luxembourg's initial accounting parameters for the second commitment period 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 108

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 ^a	13 141 245	t CO ₂ eq
Quantified emission limitation or reduction commitment inscribed in the third column of Annex B in the Doha Amendment to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	80	per cent
Assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment for the second commitment period ^b	72 454 473	t CO ₂ eq

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Difference between the assigned amount for the second commitment period and the average annual emissions for the first three years of the first commitment period, multiplied by eight ^c	NA	
Limitation on the additions to Luxembourg's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	3 604 402	t CO ₂ eq

Abbreviation: NA = not applicable.

^a The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for the calculation of the assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment, including emissions from the conversion of forests (deforestation) of 268,381 t CO₂ eq.

^b The assigned amounts of each European Union member State and Iceland are equal to the emission levels agreed under the terms of the joint fulfilment agreement and the results of the application of Article 3, paragraph 7 bis, of the Doha Amendment for that member State or Iceland. The joint fulfilment agreement has not as yet been deposited and circulated in accordance with Article 4 of the Kyoto Protocol. However, the secretariat was notified by the European Union of the conditions of the agreement and the intention of the European Union and its member States to deposit it upon ratification of the Doha Amendment at the time of the submission of the report pursuant to decision 2/CMP.8 made in accordance with paragraph 6 of decision 1/CMP.8.

^c This difference is calculated on the basis of the joint assigned amount of the European Union, its member States and Iceland.

Table 109

Luxembourg's emissions/removals of greenhouse gases in 2014 and 2015

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO₂ eq)</i>				
	<i>Final values (2016 submission)</i>		<i>Provisional values (2017 submission)</i>		
	<i>Base year</i>	<i>2014</i>	<i>Base year</i>	<i>2014</i>	<i>2015</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol		10 773 437		10 755 967	10 268 935
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)		-134 142		-131 604	-130 731
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		-359 703		-359 703	-306 473
FMRL (t CO ₂ eq per year)		-418 000		-418 000	-418 000
Technical correction to FMRL (t CO ₂ eq per year)		NA		181 680	181 680
Net emissions or removals from LULUCF activities (excluding forest management) under Article 3, paragraph 4, of the Kyoto Protocol	NA	NA	NA	NA	NA

Abbreviations: FMRL = Forest management reference level, LULUCF = land use, land-use change and forestry, NA = not applicable

Table 110

Luxembourg's total quantities of Kyoto Protocol units by account type at the end of 2015 (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 accounts	NO	NO	NO	497 094	NO	NO
Entity holding accounts	NO	NO	NO	18 029	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	NO	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of storage	NO	NO	NO	NO		NO
ICER replacement account for non-submission of certification report	NO	NO	NO	NO		NO
Total	NO	NO	NO	515 123	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 111
Luxembourg’s total quantities of Kyoto Protocol units by account type at the end of 2016 (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 accounts	NO	NO	NO	718 220	NO	NO
Entity holding accounts	NO	NO	NO	18 029	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	NO	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account 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 account for reversal of storage	NO	NO	NO	NO		NO
ICER replacement account for non-submission of certification report	NO	NO	NO	NO		NO
Total	NO	NO	NO	736 249	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 112

Luxembourg's total transactions of Kyoto Protocol units in 2016 (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	465 958	NO	NO
Total transactions	NO	NO	NO	465 958	NO	NO
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	NO	NO	NO
External transactions	NO	NO	NO	244 832	NO	NO
Total transactions	NO	NO	NO	244 832	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. Malta

58. The eligibility of Malta to participate in the flexibility mechanisms under the Kyoto Protocol had not been established⁹ as at 6 September 2017.

59. Tables 113 and 114 provide detailed information on Malta's initial accounting parameters for the second commitment period under the Kyoto Protocol and its GHG emissions and removals.

Table 113

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

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base-year emissions ^a	1 974 638	t CO ₂ eq
Quantified emission limitation or reduction commitment inscribed in the third column of Annex B in the Doha Amendment to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	80	per cent
Assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment for the second commitment period ^b	9 299 769	t CO ₂ eq
Difference between the assigned amount for the second commitment period and the average annual emissions for the first three years of the first commitment period, multiplied by eight ^c	NA	
Limitation on the additions to Malta's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	552 898	t CO ₂ eq

Abbreviation: NA = not applicable.

⁹ See decision 11/CMP.1, annex, paragraphs 2 and 3, in conjunction with: decision 1/CMP.8; decision 9/CMP.1, annex, paragraphs 21 and 22; and decision 3/CMP.1, annex, paragraphs 31 and 32.

^a The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for the calculation of the assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment.

^b The assigned amounts of each European Union member State and Iceland are equal to the emission levels agreed under the terms of the joint fulfilment agreement and the results of the application of Article 3, paragraph 7 bis, of the Doha Amendment for that member State or Iceland. The joint fulfilment agreement has not as yet been deposited and circulated in accordance with Article 4 of the Kyoto Protocol. However, the secretariat was notified by the European Union of the conditions of the agreement and the intention of the European Union and its member States to deposit it upon ratification of the Doha Amendment at the time of the submission of the report pursuant to decision 2/CMP.8 made in accordance with paragraph 6 of decision 1/CMP.8.

^c Malta did not have a quantified emission limitation or reduction commitment in the first commitment period of the Kyoto Protocol.

Table 114

Malta's emissions/removals of greenhouse gases in 2014 and 2015

Parameter	Emissions/removals of greenhouse gases (t CO ₂ eq)				
	Final values (2016 submission)		Provisional values (2017 submission)		
	Base year	2014	Base year	2014	2015
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol		2 968 791		2 930 267	2 226 865
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)		NO		NO	NO
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		NE, NO		NE, NO	NE, NO
FMRL (t CO ₂ eq per year)				-49 000	-49 000
Technical correction to FMRL (t CO ₂ eq per year)				49 000	49 000
Net emissions or removals from LULUCF activities (excluding forest management) under Article 3, paragraph 4, of the Kyoto Protocol				NE, NO	NE, NO

Abbreviations: FMRL = forest management reference level, LULUCF = land use, land-use change and forestry, NE = not estimated, NO = not occurring.

60. As at 6 September 2017, Malta had not yet submitted standard electronic format tables for the second commitment period of the Kyoto Protocol.

XXVII. Monaco

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

62. As at 6 September 2017, Monaco had not yet submitted annual information on its greenhouse gas emissions and removals in 2014 and 2015 from land use, land-use change and forestry activities under Article 3, paragraphs 3 and 4, of the Kyoto Protocol.

63. Tables 115–117 provides information on Monaco's initial accounting parameters for the second commitment period under the Kyoto Protocol, its annual GHG emissions from Annex A sources and the holdings of Kyoto Protocol units by account type in 2015.

Table 115
**Key initial accounting parameters under the Kyoto Protocol for Monaco
 (provisional values)**

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base-year emissions ^a	99 312	t CO ₂ eq
Quantified emission limitation or reduction commitment inscribed in the third column of Annex B in the Doha Amendment to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	78	per cent
Assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment for the second commitment period	619 707	t CO ₂ eq
Difference between the assigned amount for the second commitment period and the average annual emissions for the first three years of the first commitment period, multiplied by eight	-92 057	t CO ₂ eq
Limitation on the additions to Monaco's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	Value not reported	

^a The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for the calculation of the assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment.

Table 116
Monaco's emissions/removals of greenhouse gases in 2014 and 2015^a

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO₂ eq)</i>				
	<i>Provisional values (2016 submission)</i>		<i>Provisional values (2017 submission)</i>		
	<i>Base year</i>	<i>2014</i>	<i>Base year</i>	<i>2014</i>	<i>2015</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol		79 787		79 809	81 709

^a As at 6 September 2017, Monaco had not yet submitted annual information on its greenhouse gas emissions and removals in 2014 and 2015 from land use, land-use change and forestry activities under Article 3, paragraphs 3 and 4, of the Kyoto Protocol.

Table 117
**Monaco's total quantities of Kyoto Protocol units by account type at the end of 2015
 (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 accounts	NO	NO	NO	NO	NO	NO
Entity holding accounts	NO	NO	NO	NO	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	NO	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO

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

64. As at 6 September 2017, Monaco had not yet submitted standard electronic format tables for the reporting year 2016.

XXVIII. Netherlands

65. 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.

66. Tables 118–122 provide detailed information on the initial accounting parameters of the Netherlands for the second commitment period under the Kyoto Protocol, its GHG emissions and removals, the holdings of Kyoto Protocol units by account type and transactions of Kyoto Protocol units.

Table 118

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

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base-year emissions ^a	223 950 669	t CO ₂ eq
Quantified emission limitation or reduction commitment inscribed in the third column of Annex B in the Doha Amendment to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	80	per cent
Assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment for the second commitment period ^b	924 777 902	t CO ₂ eq
Difference between the assigned amount for the second commitment period and the average annual emissions for the first three years of the first commitment period, multiplied by eight ^c	NA	
Limitation on the additions to the assigned amount of the Netherlands resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	62 495 551	t CO ₂ eq

Abbreviation: NA = not applicable.

^a The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for the calculation of the assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment, including emissions from the conversion of forests (deforestation) of 752,270 t CO₂ eq.

^b The assigned amounts of each European Union member State and Iceland are equal to the emission levels agreed under the terms of the joint fulfilment agreement and the results of the application of Article 3, paragraph 7 bis, of the Doha Amendment for that member State or Iceland. The joint fulfilment agreement has not as yet been deposited and circulated in accordance with Article 4 of the Kyoto Protocol. However, the secretariat was notified by the European Union of the conditions of the agreement and the intention of the European Union and its member States to deposit it upon ratification of the Doha Amendment at the time of the submission of the report pursuant to decision 2/CMP.8 made in accordance with paragraph 6 of decision 1/CMP.8.

^c This difference is calculated on the basis of the joint assigned amount of the European Union, its member States and Iceland.

Table 119
The Netherlands's emissions/removals of greenhouse gases in 2014 and 2015

Parameter	Emissions/removals of greenhouse gases (t CO ₂ eq)				
	Final values (2016 submission)		Provisional values (2017 submission)		
	Base year	2014	Base year	2014	2015
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol		187 056 884		187 582 406	195 245 673
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)		12 059		740 839	717 456
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		3 389		-1 415 306	-1 390 785
FMRL (t CO ₂ eq per year)				-1 425 000	-1 425 000
Technical correction to FMRL (t CO ₂ eq per year)				NE	NE
Net emissions or removals from LULUCF activities (excluding forest management) under Article 3, paragraph 4, of the Kyoto Protocol			NA	NA	NA

Abbreviations: FMRL = forest management reference level, LULUCF = land use, land-use change and forestry, NA = not applicable, NE = not estimated.

Table 120
The Netherlands' total quantities of Kyoto Protocol units by account type at the end of 2015 (final values)

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding accounts	NO	NO	NO	416 670	NO	NO
Entity holding accounts	NO	NO	NO	725 298	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	2 909	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of 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 account for non-submission of certification report	NO	NO	NO	NO		NO
Total	NO	NO	NO	1 144 877	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 121
The Netherlands' total quantities of Kyoto Protocol units by account type at the end of 2016 (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 accounts	NO	NO	NO	465 289	NO	NO
Entity holding accounts	NO	NO	NO	7 015 968	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	80 940	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of storage	NO	NO	NO	NO		NO
ICER replacement account for non-submission of certification report	NO	NO	NO	NO		NO
Total	NO	NO	NO	7 562 197	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 122
The Netherlands' total transactions of Kyoto Protocol units in 2016 (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	15 981 353	NO	NO
Total transactions	NO	NO	NO	15 981 353	NO	NO
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	78 031	NO	NO

<i>Transaction type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
External transactions	NO	NO	NO	9 564 033	NO	NO
Total transactions	NO	NO	NO	9 642 064	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. Norway

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

68. Tables 123–127 provide detailed information on Norway's initial accounting parameters for the second commitment period under the Kyoto Protocol, its GHG emissions and removals, the holdings of Kyoto Protocol units by account type and transactions of Kyoto Protocol units.

Table 123

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

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base-year emissions ^a	51 921 771	t CO ₂ eq
Quantified emission limitation or reduction commitment inscribed in the third column of Annex B in the Doha Amendment to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	84	per cent
Assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment for the second commitment period	348 914 303	t CO ₂ eq
Difference between the assigned amount for the second commitment period and the average annual emissions for the first three years of the first commitment period, multiplied by eight	–86 925 501	t CO ₂ eq
Limitation on the additions to Norway's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	14 538 096	t CO ₂ eq

^a The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for the calculation of the assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment.

Table 124

Norway's emissions/removals of greenhouse gases in 2014 and 2015

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO₂ eq)</i>				
	<i>Final values (2016 submission)</i>		<i>Provisional values (2017 submission)</i>		
	<i>Base year</i>	<i>2014</i>	<i>Base year</i>	<i>2014</i>	<i>2015</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol		53 190 607		53 331 413	53 908 193
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)		1 863 731		1 745 258	2 024 364
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		–29 674 056		–28 953 304	–28 467 388
FMRL (t CO ₂ eq per year)					
Technical correction to FMRL (t CO ₂ eq per year)					

Parameter	Emissions/removals of greenhouse gases (t CO ₂ eq)				
	Final values (2016 submission)		Provisional values (2017 submission)		
	Base year	2014	Base year	2014	2015
Net emissions or removals from LULUCF activities (excluding forest management) under Article 3, paragraph 4, of the Kyoto Protocol	1 855 181	1 989 759	1 765 094	1 847 842	1 857 910

Abbreviations: FMRL = forest management reference level, LULUCF = land use, land-use change and forestry.

Table 125
Norway's total quantities of Kyoto Protocol units by account type at the end of 2015
(final values)

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding accounts	NO	NO	NO	5 055 104	NO	NO
Entity holding accounts	NO	NO	NO	50 401	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	46 173	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of storage	NO	NO	NO	NO		NO
ICER replacement account for non-submission of certification report	NO	NO	NO	NO		NO
Total	NO	NO	NO	5 151 678	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 126
Norway's total quantities of Kyoto Protocol units by account type at the end of 2016
(provisional values)

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding accounts	NO	738 305	NO	11 572 456	NO	NO
Entity holding accounts	NO	NO	NO	1 455 789	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	91 136	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of storage	NO	NO	NO	NO		NO
ICER replacement account for non-submission of certification report	NO	NO	NO	NO		NO
Total	NO	738 305	NO	13 119 381	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 127

Norway's total transactions of Kyoto Protocol units in 2016 (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	4 400 987	NO	NO
Total transactions	NO	NO	NO	4 400 987	NO	NO
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	44 963	NO	NO
External transactions	NO	NO	NO	11 392	NO	NO
Total transactions	NO	NO	NO	56 355	NO	NO

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

XXX. Poland

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

70. Tables 128–132 provide detailed information on Poland's initial accounting parameters for the second commitment period under the Kyoto Protocol, its GHG emissions and removals, the holdings of Kyoto Protocol units by account type and transactions of Kyoto Protocol units.

Table 128

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

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base-year emissions ^a	580 020 010	t CO ₂ eq
Quantified emission limitation or reduction commitment inscribed in the third column of Annex B in the Doha Amendment to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	80	per cent
Assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment for the second commitment period ^b	1 583 938 824	t CO ₂ eq
Difference between the assigned amount for the second commitment period and the average annual emissions for the first three years of the first commitment period, multiplied by eight ^c	NA	
Limitation on the additions to Poland's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	162 405 602	t CO ₂ eq

Abbreviation: NA = not applicable.

^a The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for the calculation of the assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment.

^b The assigned amounts of each European Union member State and Iceland are equal to the emission levels agreed under the terms of the joint fulfilment agreement and the results of the application of Article 3, paragraph 7 bis, of the Doha Amendment for that member State or Iceland. The joint fulfilment agreement has not as yet been deposited and circulated in accordance with Article 4 of the Kyoto Protocol. However, the secretariat was notified by the European Union of the conditions of the agreement and the intention of the European Union and its member States to deposit it upon ratification of the Doha Amendment at the time of the submission of the report pursuant to decision 2/CMP.8 made in accordance with paragraph 6 of decision 1/CMP.8.

^c This difference is calculated on the basis of the joint assigned amount of the European Union, its member States and Iceland.

Table 129

Poland's emissions/removals of greenhouse gases in 2014 and 2015

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO₂ eq)</i>				
	<i>Final values (2016 submission)</i>		<i>Provisional values (2017 submission)</i>		
	<i>Base year</i>	<i>2014</i>	<i>Base year</i>	<i>2014</i>	<i>2015</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol		380 037 566		382 969 295	385 842 889
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)		-2 597 346		-2 501 280	-2 550 295
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		-36 135 670		-38 107 102	-33 993 786
FMRL (t CO ₂ eq per year)		-27 133 000		-27 133 000	-27 133 000
Technical correction to FMRL (t CO ₂ eq per year)		NA		NA	NA
Net emissions or removals from LULUCF activities (excluding forest management) under Article 3, paragraph 4, of the Kyoto Protocol	NA	NA	NA	NA	NA

Abbreviations: FMRL = forest management reference level, LULUCF = land use, land-use change and forestry, NA = not applicable.

Table 130
Poland's total quantities of Kyoto Protocol units by account type at the end of 2015
(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 accounts	NO	NO	NO	NO	NO	NO
Entity holding accounts	NO	NO	NO	NO	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	NO	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of storage	NO	NO	NO	NO		NO
ICER replacement account 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 131
Poland's total quantities of Kyoto Protocol units by account type at the end of 2016
(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 accounts	NO	NO	NO	NO	NO	NO
Entity holding accounts	NO	NO	NO	NO	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	NO	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of storage	NO	NO	NO	NO		NO
ICER replacement account 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 132

Poland's total transactions of Kyoto Protocol units in 2016 (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.

XXXI. Portugal

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

72. Tables 133–137 provide detailed information on Portugal's initial accounting parameters for the second commitment period under the Kyoto Protocol, its GHG emissions and removals, the holdings of Kyoto Protocol units by account type and transactions of Kyoto Protocol units.

Table 133

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

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base-year emissions ^a	65 028 094	t CO ₂ eq
Quantified emission limitation or reduction commitment inscribed in the third column of Annex B in the Doha Amendment to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	80	per cent
Assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment for the second commitment period ^b	429 581 969	t CO ₂ eq

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Difference between the assigned amount for the second commitment period and the average annual emissions for the first three years of the first commitment period, multiplied by eight ^c	NA	
Limitation on the additions to Portugal's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	17 010 374	t CO ₂ eq

Abbreviation: NA = not applicable.

^a The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for the calculation of the assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment, including emissions from the conversion of forests (deforestation) of 4,276,759 t CO₂ eq.

^b The assigned amounts of each European Union member State and Iceland are equal to the emission levels agreed under the terms of the joint fulfilment agreement and the results of the application of Article 3, paragraph 7 bis, of the Doha Amendment for that member State or Iceland. The joint fulfilment agreement has not as yet been deposited and circulated in accordance with Article 4 of the Kyoto Protocol. However, the secretariat was notified by the European Union of the conditions of the agreement and the intention of the European Union and its member States to deposit it upon ratification of the Doha Amendment at the time of the submission of the report pursuant to decision 2/CMP.8 made in accordance with paragraph 6 of decision 1/CMP.8.

^c This difference is calculated on the basis of the joint assigned amount of the European Union, its member States and Iceland.

Table 134

Portugal's emissions/removals of greenhouse gases in 2014 and 2015

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO₂ eq)</i>				
	<i>Final values (2016 submission)</i>		<i>Provisional values (2017 submission)</i>		
	<i>Base year</i>	<i>2014</i>	<i>Base year</i>	<i>2014</i>	<i>2015</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol		65 544 101		64 360 382	68 915 744
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)		-2 860 417		-1 506 173	-1 316 829
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		-8 018 901		-8 992 840	-7 898 566
FMRL (t CO ₂ eq per year)		-6 826 921		-6 830 000	-6 830 000
Technical correction to FMRL (t CO ₂ eq per year)		3 433 803		3 302 536	3 302 536
Net emissions or removals from LULUCF activities (excluding forest management) under Article 3, paragraph 4, of the Kyoto Protocol	5 172 293	384 842	4 797 894	380 485	316 754

Abbreviations: FMRL = forest management reference level, LULUCF = land use, land-use change and forestry.

Table 135

Portugal's total quantities of Kyoto Protocol units by account type at the end of 2015 (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 accounts	NO	NO	NO	NO	NO	NO
Entity holding accounts	NO	NO	NO	1 057 277	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	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 account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	NO	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of storage	NO	NO	NO	NO		NO
ICER replacement account for non-submission of certification report	NO	NO	NO	NO		NO
Total	NO	NO	NO	1 057 277	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 136

Portugal's total quantities of Kyoto Protocol units by account type at the end of 2016 (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 accounts	NO	NO	NO	NO	NO	NO
Entity holding accounts	NO	NO	NO	167	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	NO	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of 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 account for non-submission of certification report	NO	NO	NO	NO		NO
Total	NO	NO	NO	167	NO	NO

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

Table 137

Portugal's total transactions of Kyoto Protocol units in 2016 (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	2 346 513	NO	NO
Total transactions	NO	NO	NO	2 346 513	NO	NO
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	NO	NO	NO
External transactions	NO	NO	NO	3 403 623	NO	NO
Total transactions	NO	NO	NO	3 403 623	NO	NO

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

XXXII. Romania

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

74. Tables 138–142 provide detailed information on Romania's initial accounting parameters for the second commitment period under the Kyoto Protocol, its GHG emissions and removals, the holdings of Kyoto Protocol units by account type and transactions of Kyoto Protocol units.

Table 138

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

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base-year emissions ^a	304 920 568	t CO ₂ eq
Quantified emission limitation or reduction commitment inscribed in the third column of Annex B in the Doha Amendment to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	80	per cent
Assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment for the second commitment period ^b	656 059 490	t CO ₂ eq
Difference between the assigned amount for the second commitment period and the average annual emissions for the first three years of the first commitment period, multiplied by eight ^c	NA	
Limitation on the additions to Romania's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	85 377 759	t CO ₂ eq

Abbreviation: NA = not applicable.

^a The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for the calculation of the assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment.

^b The assigned amounts of each European Union member State and Iceland are equal to the emission levels agreed under the terms of the joint fulfilment agreement and the results of the application of Article 3, paragraph

7 bis, of the Doha Amendment for that member State or Iceland. The joint fulfilment agreement has not as yet been deposited and circulated in accordance with Article 4 of the Kyoto Protocol. However, the secretariat was notified by the European Union of the conditions of the agreement and the intention of the European Union and its member States to deposit it upon ratification of the Doha Amendment at the time of the submission of the report pursuant to decision 2/CMP.8 made in accordance with paragraph 6 of decision 1/CMP.8.

^c This difference is calculated on the basis of the joint assigned amount of the European Union, its member States and Iceland.

Table 139

Romania's emissions/removals of greenhouse gases in 2014 and 2015

Parameter	Emissions/removals of greenhouse gases (t CO ₂ eq)				
	Final values (2016 submission)		Provisional values (2017 submission)		
	Base year	2014	Base year	2014	2015
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol		111 612 811		115 413 200	116 426 728
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)		7 730 091		7 730 091	7 730 091
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		-27 479 098		-27 479 098	-27 479 098
FMRL (t CO ₂ eq per year)		-15 444 000		-15 444 000	-15 444 000
Technical correction to FMRL (t CO ₂ eq per year)		-3 665 254		-3 665 254	-3 665 254
Net emissions or removals from LULUCF activities (excluding forest management) under Article 3, paragraph 4, of the Kyoto Protocol		-1 222 003		-1 222 003	-1 222 003

Abbreviations: FMRL = forest management reference level, LULUCF = land use, land-use change and forestry.

Table 140

Romania's total quantities of Kyoto Protocol units by account type at the end of 2015 (final values)

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding accounts	NO	NO	NO	NO	NO	NO
Entity holding accounts	NO	NO	NO	NO	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	NO	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of storage	NO	NO	NO	NO		NO
ICER replacement account 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 141

Romania's total quantities of Kyoto Protocol units by account type at the end of 2016 (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 accounts	NO	NO	NO	NO	NO	NO
Entity holding accounts	NO	NO	NO	NO	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	NO	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of storage	NO	NO	NO	NO		NO
ICER replacement account 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 142

Romania's total transactions of Kyoto Protocol units in 2016 (provisional values)

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

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

XXXIII. Slovakia

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

76. Tables 143–147 provide detailed information on Slovakia's initial accounting parameters for the second commitment period under the Kyoto Protocol, its GHG emissions and removals, the holdings of Kyoto Protocol units by account type and transactions of Kyoto Protocol units.

Table 143

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

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base-year emissions ^a	74 271 511	t CO ₂ eq
Quantified emission limitation or reduction commitment inscribed in the third column of Annex B in the Doha Amendment to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	80	per cent
Assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment for the second commitment period ^b	202 268 939	t CO ₂ eq
Difference between the assigned amount for the second commitment period and the average annual emissions for the first three years of the first commitment period, multiplied by eight ^c	NA	
Limitation on the additions to Slovakia's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	20 796 023	t CO ₂ eq

Abbreviation: NA = not applicable.

^a The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for the calculation of the assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment.

^b The assigned amounts of each European Union member State and Iceland are equal to the emission levels agreed under the terms of the joint fulfilment agreement and the results of the application of Article 3, paragraph 7 bis, of the Doha Amendment for that member State or Iceland. The joint fulfilment agreement has not as yet been deposited and circulated in accordance with Article 4 of the Kyoto Protocol. However, the secretariat was notified by the European Union of the conditions of the agreement and the intention of the European Union and its member States to deposit it upon ratification of the Doha Amendment at the time of the submission of the report pursuant to decision 2/CMP.8 made in accordance with paragraph 6 of decision 1/CMP.8.

^c This difference is calculated on the basis of the joint assigned amount of the European Union, its member States and Iceland.

Table 144
Slovakia's emissions/removals of greenhouse gases in 2014 and 2015

Parameter	Emissions/removals of greenhouse gases (t CO ₂ eq)				
	Final values (2016 submission)		Provisional values (2017 submission)		
	Base year	2014	Base year	2014	2015
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol		40 657 602		40 677 792	41 269 495
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)		-379 009		-379 009	-400 657
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		-4 924 149		-4 845 264	-5 158 639
FMRL (t CO ₂ eq per year)		NA		-1 084 000	-1 084 000
Technical correction to FMRL (t CO ₂ eq per year)		NA		NA	NA
Net emissions or removals from LULUCF activities (excluding forest management) under Article 3, paragraph 4, of the Kyoto Protocol	NA	NA	NA	NA	NA

Abbreviations: FMRL = forest management reference level, LULUCF = land use, land-use change and forestry, NA = not applicable.

Table 145
Slovakia's total quantities of Kyoto Protocol units by account type at the end of 2015 (final values)

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding accounts	NO	NO	NO	NO	NO	NO
Entity holding accounts	NO	NO	NO	NO	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	NO	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of 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 account 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 146

Slovakia's total quantities of Kyoto Protocol units by account type at the end of 2016 (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 accounts	NO	NO	NO	NO	NO	NO
Entity holding accounts	NO	NO	NO	NO	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	NO	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of storage	NO	NO	NO	NO		NO
ICER replacement account 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 147

Slovakia's total transactions of Kyoto Protocol units in 2016 (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

<i>Transaction type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
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.

XXXIV. Slovenia

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

78. Tables 148–152 provide detailed information on Slovenia's initial accounting parameters for the second commitment period under the Kyoto Protocol, its GHG emissions and removals, the holdings of Kyoto Protocol units by account type and transactions of Kyoto Protocol units.

Table 148

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

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base-year emissions ^a	20 327 584	t CO ₂ eq
Quantified emission limitation or reduction commitment inscribed in the third column of Annex B in the Doha Amendment to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	80	per cent
Assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment for the second commitment period ^b	99 425 782	t CO ₂ eq
Difference between the assigned amount for the second commitment period and the average annual emissions for the first three years of the first commitment period, multiplied by eight ^c	NA	
Limitation on the additions to Slovenia's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	5 691 720	t CO ₂ eq

Abbreviation: NA = not applicable.

^a The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for the calculation of the assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment.

^b The assigned amounts of each European Union member State and Iceland are equal to the emission levels agreed under the terms of the joint fulfilment agreement and the results of the application of Article 3, paragraph 7 bis, of the Doha Amendment for that member State or Iceland. The joint fulfilment agreement has not as yet been deposited and circulated in accordance with Article 4 of the Kyoto Protocol. However, the secretariat was notified by the European Union of the conditions of the agreement and the intention of the European Union and its member States to deposit it upon ratification of the Doha Amendment at the time of the submission of the report pursuant to decision 2/CMP.8 made in accordance with paragraph 6 of decision 1/CMP.8.

^c This difference is calculated on the basis of the joint assigned amount of the European Union, its member States and Iceland.

Table 149

Slovenia's emissions/removals of greenhouse gases in 2014 and 2015

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO₂ eq)</i>				
	<i>Final values (2016 submission)</i>		<i>Provisional values (2017 submission)</i>		
	<i>Base year</i>	<i>2014</i>	<i>Base year</i>	<i>2014</i>	<i>2015</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol		16 582 312		16 610 335	16 831 164
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol		519 154		499 068	506 029

Parameter	Emissions/removals of greenhouse gases (t CO ₂ eq)				
	Final values (2016 submission)		Provisional values (2017 submission)		
	Base year	2014	Base year	2014	2015
(afforestation and reforestation, and deforestation)					
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		-6 150 144		-4 677 895	-4 760 211
FMRL (t CO ₂ eq per year)		-3 171 000		-3 171 000	-3 171 000
Technical correction to FMRL (t CO ₂ eq per year)		NE		NE	NE
Net emissions or removals from LULUCF activities (excluding forest management) under Article 3, paragraph 4, of the Kyoto Protocol	NA	NA	NA	NA	NA

Abbreviations: FMRL = forest management reference level, LULUCF = land use, land-use change and forestry, NA = not applicable, NE = not estimated.

Table 150
Slovenia's total quantities of Kyoto Protocol units by account type at the end of 2015
(final values)

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding accounts	NO	NO	NO	NO	NO	NO
Entity holding accounts	NO	NO	NO	NO	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	NO	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of storage	NO	NO	NO	NO		NO
ICER replacement account 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 151
Slovenia's total quantities of Kyoto Protocol units by account type at the end of 2016
(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 accounts	NO	NO	NO	NO	NO	NO
Entity holding accounts	NO	NO	NO	NO	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	NO	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of storage	NO	NO	NO	NO		NO
ICER replacement account 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 152
Slovenia's total transactions of Kyoto Protocol units in 2016 (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.

XXXV. Spain

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

80. Tables 153–157 provide detailed information on Spain's initial accounting parameters for the second commitment period under the Kyoto Protocol, its GHG emissions and removals, the holdings of Kyoto Protocol units by account type and transactions of Kyoto Protocol units.

Table 153

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

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base-year emissions ^a	283 361 698	t CO ₂ eq
Quantified emission limitation or reduction commitment inscribed in the third column of Annex B in the Doha Amendment to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	80	per cent
Assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment for the second commitment period ^b	1 766 877 232	t CO ₂ eq
Difference between the assigned amount for the second commitment period and the average annual emissions for the first three years of the first commitment period, multiplied by eight ^c	NA	
Limitation on the additions to Spain's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	79 341 275	t CO ₂ eq

Abbreviation: NA = not applicable.

^a The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for the calculation of the assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment.

^b The assigned amounts of each European Union member State and Iceland are equal to the emission levels agreed under the terms of the joint fulfilment agreement and the results of the application of Article 3, paragraph 7 bis, of the Doha Amendment for that member State or Iceland. The joint fulfilment agreement has not as yet been deposited and circulated in accordance with Article 4 of the Kyoto Protocol. However, the secretariat was notified by the European Union of the conditions of the agreement and the intention of the European Union and its member States to deposit it upon ratification of the Doha Amendment at the time of the submission of the report pursuant to decision 2/CMP.8 made in accordance with paragraph 6 of decision 1/CMP.8.

^c This difference is calculated on the basis of the joint assigned amount of the European Union, its member States and Iceland.

Table 154

Spain's emissions/removals of greenhouse gases in 2014 and 2015

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO₂ eq)</i>				
	<i>Final values (2016 submission)</i>		<i>Provisional values (2017 submission)</i>		
	<i>Base year</i>	<i>2014</i>	<i>Base year</i>	<i>2014</i>	<i>2015</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol		321 744 067		324 214 822	335 661 517
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)		-7 339 998		-11 682 263	-10 856 627
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		-24 742 631		-25 830 989	-26 092 385
FMRL (t CO ₂ eq per year)		-23 100 000		-23 100 000	-23 100 000
Technical correction to FMRL (t CO ₂ eq per year)		NO		NO	NO

Parameter	Emissions/removals of greenhouse gases (t CO ₂ eq)				
	Final values (2016 submission)		Provisional values (2017 submission)		
	Base year	2014	Base year	2014	2015
Net emissions or removals from LULUCF activities (excluding forest management) under Article 3, paragraph 4, of the Kyoto Protocol	-1 107 732	448 749	-1 098 167	-1 808 818	-1 996 876

Abbreviations: FMRL = forest management reference level, LULUCF = land use, land-use change and forestry, NO = not occurring.

Table 155
Spain's total quantities of Kyoto Protocol units by account type at the end of 2015
(final values)

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding accounts	NO	NO	NO	722 936	NO	NO
Entity holding accounts	NO	NO	NO	48 479	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	NO	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of storage	NO	NO	NO	NO		NO
ICER replacement account for non-submission of certification report	NO	NO	NO	NO		NO
Total	NO	NO	NO	771 415	NO	NO

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

Table 156
Spain's total quantities of Kyoto Protocol units by account type at the end of 2016
(provisional values)

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding accounts	NO	1 842 444	NO	15 108 941	NO	NO
Entity holding accounts	NO	322 954	NO	934 896	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	20 076	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of storage	NO	NO	NO	NO		NO
ICER replacement account for non-submission of certification report	NO	NO	NO	NO		NO
Total	NO	2 165 398	NO	16 063 913	NO	NO

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

Table 157

Spain's total transactions of Kyoto Protocol units in 2016 (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	825 788	NO	NO
Total transactions	NO	NO	NO	825 788	NO	NO
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	20 076	NO	NO
External transactions	NO	NO	NO	229 375	NO	NO
Total transactions	NO	NO	NO	249 451	NO	NO

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

XXXVI. Sweden

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

82. Tables 158–162 provide detailed information on Sweden's initial accounting parameters for the second commitment period under the Kyoto Protocol, its GHG emissions and removals, the holdings of Kyoto Protocol units by account type and transactions of Kyoto Protocol units.

Table 158

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

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base-year emissions ^a	72 057 123	t CO ₂ eq
Quantified emission limitation or reduction commitment inscribed in the third column of Annex B in the Doha Amendment to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	80	per cent
Assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment for the second commitment period ^b	315 554 578	t CO ₂ eq
Difference between the assigned amount for the second commitment period and the average annual emissions for the first three years of the first commitment period, multiplied by eight ^c	NA	
Limitation on the additions to Sweden's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	20 175 994	t CO ₂ eq

Abbreviation: NA = not applicable.

^a The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for the calculation of the assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment.

^b The assigned amounts of each European Union member State and Iceland are equal to the emission levels agreed under the terms of the joint fulfilment agreement and the results of the application of Article 3, paragraph 7 bis, of the Doha Amendment for that member State or Iceland. The joint fulfilment agreement has not as yet been deposited and circulated in accordance with Article 4 of the Kyoto Protocol. However, the secretariat was notified by the European Union of the conditions of the agreement and the intention of the European Union and its member States to deposit it upon ratification of the Doha Amendment at the time of the submission of the report pursuant to decision 2/CMP.8 made in accordance with paragraph 6 of decision 1/CMP.8.

^c This difference is calculated on the basis of the joint assigned amount of the European Union, its member States and Iceland.

Table 159

Sweden's emissions/removals of greenhouse gases in 2014 and 2015

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO₂ eq)</i>				
	<i>Final values (2016 submission)</i>		<i>Provisional values (2017 submission)</i>		
	<i>Base year</i>	<i>2014</i>	<i>Base year</i>	<i>2014</i>	<i>2015</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol		54 382 737		53 836 241	53 690 357
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)		1 802 286		1 838 617	777 147
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		-51 471 396		-53 180 719	-52 982 042
FMRL (t CO ₂ eq per year)		-41 336 099		-41 336 099	-41 336 099
Technical correction to FMRL (t CO ₂ eq per year)		7 268 385		7 268 385	7 268 385
Net emissions or removals from LULUCF activities (excluding forest management) under Article 3, paragraph 4, of the Kyoto Protocol	NA	NA	NA	NA	NA

Abbreviations: FMRL = forest management reference level, LULUCF = land use, land-use change and forestry, NA = not applicable.

Table 160
Sweden's total quantities of Kyoto Protocol units by account type at the end of 2015
(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 accounts	NO	NO	NO	2 646 522	NO	NO
Entity holding accounts	NO	NO	NO	1 109 658	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	20 693	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of storage	NO	NO	NO	NO		NO
ICER replacement account for non-submission of certification report	NO	NO	NO	NO		NO
Total	NO	NO	NO	3 776 873	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 161
Sweden's total quantities of Kyoto Protocol units by account type at the end of 2016
(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 accounts	NO	NO	NO	5 223 056	NO	NO
Entity holding accounts	NO	NO	NO	1 440 200	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	56 048	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of storage	NO	NO	NO	NO		NO
ICER replacement account for non-submission of certification report	NO	NO	NO	NO		NO
Total	NO	NO	NO	6 719 304	NO	NO

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

Table 162
Sweden's total transactions of Kyoto Protocol units in 2016 (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	9 204 665	NO	NO
Total transactions	NO	NO	NO	9 204 665	NO	NO
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	35 355	NO	NO
External transactions	NO	NO	NO	6 262 234	NO	NO
Total transactions	NO	NO	NO	6 297 589	NO	NO

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

XXXVII. Switzerland

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

84. Tables 163–167 provide detailed information on Switzerland's initial accounting parameters for the second commitment period under the Kyoto Protocol, its GHG emissions and removals, the holdings of Kyoto Protocol units by account type and transactions of Kyoto Protocol units.

Table 163
Key initial accounting parameters under the Kyoto Protocol for Switzerland (final values)

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base-year emissions ^a	53 706 729	t CO ₂ eq
Quantified emission limitation or reduction commitment inscribed in the third column of Annex B in the Doha Amendment to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	84.2	per cent
Assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment for the second commitment period	361 768 524	t CO ₂ eq

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Difference between the assigned amount for the second commitment period and the average annual emissions for the first three years of the first commitment period, multiplied by eight	-69 065 389	t CO ₂ eq
Limitation on the additions to Switzerland's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	15 037 884	t CO ₂ eq

^a The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for the calculation of the assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment.

Table 164

Switzerland's emissions/removals of greenhouse gases in 2014 and 2015

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO₂ eq)</i>				
	<i>Final values (2016 submission)</i>		<i>Provisional values (2017 submission)</i>		
	<i>Base year</i>	<i>2014</i>	<i>Base year</i>	<i>2014</i>	<i>2015</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol		48 722 460		48 727 301	48 137 822
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)		116 636		130 900	133 415
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		-1 840 953		-1 077 731	-2 536 439
FMRL (t CO ₂ eq per year)		220		220 000	220 000
Technical correction to FMRL (t CO ₂ eq per year)		-1 900		-1 900 581	-1 900 581
Net emissions or removals from LULUCF activities (excluding forest management) under Article 3, paragraph 4, of the Kyoto Protocol	NA	NA	NA	NA	NA

Abbreviations: FMRL = forest management reference level, LULUCF = land use, land-use change and forestry, NA = not applicable.

Table 165

Switzerland's total quantities of Kyoto Protocol units by account type at the end of 2015 (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 accounts	NO	NO	NO	NO	NO	NO
Entity holding accounts	NO	NO	NO	8 922 353	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	550 261	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of storage	NO	NO	NO	NO		NO
ICER replacement account for non-submission of certification report	NO	NO	NO	NO		NO
Total	NO	NO	NO	9 472 614	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 166

Switzerland's total quantities of Kyoto Protocol units by account type at the end of 2016 (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 accounts	NO	NO	NO	15 297	NO	NO
Entity holding accounts	NO	NO	NO	16 275 458	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	854 839	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of storage	NO	NO	NO	NO		NO
ICER replacement account for non-submission of certification report	NO	NO	NO	NO		NO
Total	NO	NO	NO	17 145 594	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 167
Switzerland's total transactions of Kyoto Protocol units in 2016 (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	15 213 355	NO	NO
Total transactions	NO	NO	NO	15 213 355	NO	NO
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	304 578	NO	NO
External transactions	NO	NO	NO	7 540 375	NO	NO
Total transactions	NO	NO	NO	7 844 953	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.

XXXVIII. Ukraine

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

86. Tables 168–172 provide detailed information on Ukraine's initial accounting parameters for the second commitment period under the Kyoto Protocol, its GHG emissions and removals, the holdings of Kyoto Protocol units by account type and transactions of Kyoto Protocol units.

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

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base-year emissions ^a	937 954 204	t CO ₂ eq
Quantified emission limitation or reduction commitment inscribed in the third column of Annex B in the Doha Amendment to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	76	per cent
Assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment for the second commitment period	5 702 761 558	t CO ₂ eq
Difference between the assigned amount for the second commitment period and the average annual emissions for the first three years of the first commitment period, multiplied by eight	2 426 086 209	t CO ₂ eq
Limitation on the additions to Ukraine's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	262 627 177	t CO ₂ eq

^a The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for the calculation of the assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment.

Table 169
Ukraine's emissions/removals of greenhouse gases in 2014 and 2015

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO₂ eq)</i>				
	<i>Final values (2016 submission)</i>		<i>Provisional values (2017 submission)</i>		
	<i>Base year</i>	<i>2014</i>	<i>Base year</i>	<i>2014</i>	<i>2015</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol		354 347 537		368 316 665	322 927 383
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol		-963 885		-959 386	-1 067 240

Parameter	Emissions/removals of greenhouse gases (t CO ₂ eq)				
	Final values (2016 submission)		Provisional values (2017 submission)		
	Base year	2014	Base year	2014	2015
(afforestation and reforestation, and deforestation)					
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		-68 647 648		-69 614 418	-68 962 590
FMRL (t CO ₂ eq per year)		-48 700 000		-48 700 000	-48 700 000
Technical correction to FMRL (t CO ₂ eq per year)		-62 135 000		-13 435 000	-13 435 000
Net emissions or removals from LULUCF activities (excluding forest management) under Article 3, paragraph 4, of the Kyoto Protocol	NA	NA		NA	NA

Abbreviations: FMRL = forest management reference level, LULUCF = land use, land-use change and forestry, NA = not applicable.

Table 170

Ukraine's total quantities of Kyoto Protocol units by account type at the end of 2015 (provisional values)

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding accounts	NO	NO	NO	NO	NO	NO
Entity holding accounts	NO	NO	NO	NO	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	NO	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of storage	NO	NO	NO	NO		NO
ICER replacement account 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 171
**Ukraine's total quantities of Kyoto Protocol units by account type at the end of 2016
(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 accounts	NO	NO	NO	NO	NO	NO
Entity holding accounts	NO	NO	NO	NO	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	NO	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of storage	NO	NO	NO	NO		NO
ICER replacement account 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 172
Ukraine's total transactions of Kyoto Protocol units in 2016 (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.

87. Following the encouragement by the CMP¹⁰ of Ukraine's efforts to formally demonstrate its compliance with its commitment under Article 3, paragraph 1, of the Kyoto Protocol for the first commitment period, the true-up period review was conducted in accordance with decision 22/CMP.1.¹¹ As concluded by the expert review team conducting the review, following the requirements of decision 13/CMP.1, the quantities of units in the registry available for carry-over to the second commitment period for Ukraine are: 2,001,107,853 assigned amount units and 533,410 emission reduction units.

XXXIX. United Kingdom of Great Britain and Northern Ireland¹²

88. 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.

89. Tables 173–177 provide detailed information on the United Kingdom of Great Britain and Northern Ireland's initial accounting parameters for the second commitment period under the Kyoto Protocol, its GHG emissions and removals, the holdings of Kyoto Protocol units by account type and transactions of Kyoto Protocol units.

Table 173

Key initial accounting parameters under the Kyoto Protocol for the United Kingdom of Great Britain and Northern Ireland (provisional values)

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base-year emissions ^a	803 200 000	t CO ₂ eq
Quantified emission limitation or reduction commitment inscribed in the third column of Annex B in the Doha Amendment to the Kyoto Protocol or in accordance with Article 4 of the Kyoto Protocol	80	per cent
Assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment for the second commitment period ^b	2 744 937 332	t CO ₂ eq
Difference between the assigned amount for the second commitment period and the average annual emissions for the first three years of the first commitment period, multiplied by eight ^c	NA	
Limitation on the additions to the United Kingdom's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	Value not reported	

Abbreviation: NA = not applicable.

^a The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for the calculation of the assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment, including emissions from the conversion of forests (deforestation) of 246,048 t CO₂ eq.

^b The assigned amounts of each European Union member State and Iceland are equal to the emission levels agreed under the terms of the joint fulfilment agreement and the results of the application of Article 3, paragraph 7 bis, of the Doha Amendment for that member State or Iceland. The joint fulfilment agreement has not as yet been deposited and circulated in accordance with Article 4 of the Kyoto Protocol. However, the secretariat was notified by the European Union of the conditions of the agreement and the intention of the European Union and its member States to deposit it upon ratification of the Doha Amendment at the time of the submission of the report pursuant to decision 2/CMP.8 made in accordance with paragraph 6 of decision 1/CMP.8.

^c This difference is calculated on the basis of the joint assigned amount of the European Union, its member States and Iceland.

¹⁰ FCCC/KP/CMP/2016/8, paragraph 50.

¹¹ As set out in decision 22/CMP.1, annex, paragraph 86(c). Information on the true-up period reporting and review process is available at <http://unfccc.int/9049.php>.

¹² In 2017 the geographical coverage of the United Kingdom of Great Britain and Northern Ireland's inventory changed to exclude the territory of Bermuda.

Table 174

The United Kingdom of Great Britain and Northern Ireland's emissions/removals of greenhouse gases in 2014 and 2015

Parameter	Emissions/removals of greenhouse gases (t CO ₂ eq)				
	Final values (2016 submission)		Provisional values (2017 submission)		
	Base year	2014	Base year	2014	2015
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol		527 500 751		525 650 912	506 044 111
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)		-2 410 597		473 340	128 750
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		-17 050 497		-19 337 002	-18 661 791
FMRL (t CO ₂ eq per year)		-8 268 000		-8 268 000	-8 268 000
Technical correction to FMRL (t CO ₂ eq per year)		-5 658 000		-7 566 000	-7 566 000
Net emissions or removals from LULUCF activities (excluding forest management) under Article 3, paragraph 4, of the Kyoto Protocol	507 276	5 330 444	7 737 723	6 981 852	6 800 065

Abbreviations: FMRL = forest management reference level, LULUCF = land use, land-use change and forestry.

Table 175

The United Kingdom of Great Britain and Northern Ireland's total quantities of Kyoto Protocol units by account type at the end of 2015 (final values)

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding accounts	NO	NO	NO	NO	NO	NO
Entity holding accounts	NO	NO	NO	1 467 902	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	42 261	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of 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 account for non-submission of certification report	NO	NO	NO	NO		NO
Total	NO	NO	NO	1 510 163	NO	NO

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

Table 176

The United Kingdom of Great Britain and Northern Ireland's total quantities of Kyoto Protocol units by account type at the end of 2016 (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 accounts	NO	NO	NO	NO	NO	NO
Entity holding accounts	NO	NO	NO	2 463 229	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	362 188	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of storage	NO	NO	NO	NO		NO
ICER replacement account for non-submission of certification report	NO	NO	NO	NO		NO
Total	NO	NO	NO	2 825 417	NO	NO

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

Table 177

The United Kingdom of Great Britain and Northern Ireland's total transactions of Kyoto Protocol units in 2016 (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	17 657 991	NO	NO
Total transactions	NO	NO	NO	17 657 991	NO	NO
<i>Subtractions</i>						

<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	NO	319 927	NO	NO
External transactions	NO	NO	NO	16 342 737	NO	NO
Total transactions	NO	NO	NO	16 662 664	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.

XL. Parties without quantified emission limitation or reduction commitments for the second commitment period of the Kyoto Protocol

90. In accordance with decisions 2/CMP.8, paragraph 4, and 3/CMP.11, paragraph 14, Parties included in Annex I without a quantified emission limitation or reduction commitment inscribed in the third column of Annex B in the Doha Amendment (Japan, New Zealand and Russian Federation) shall continue to report information on land use, land-use change and forestry activities under Article 3, paragraphs 3 and 4, of the Kyoto Protocol for the second commitment period as well as relevant information on their national registry, or changes thereto, including information on the units in the registry, if their registry is connected to the international transaction log at any time during the relevant calendar year. This chapter contains the relevant information reported by those Parties as well as information reported by them on a voluntary basis for transparency purposes.

A. Japan

91. Tables 178–181 provide detailed information on Japan's GHG emissions and removals, the holdings of Kyoto Protocol units by account type and transactions of Kyoto Protocol units.

Table 178

Japan's emissions/removals of greenhouse gases in 2014 and 2015

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO₂ eq)</i>				
	<i>Final values (2016 submission)</i>		<i>Provisional values (2017 submission)</i>		
	<i>Base year</i>	<i>2014</i>	<i>Base year</i>	<i>2014</i>	<i>2015</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol		1 363 862 305		1 364 040 638	1 324 717 744
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)		1 602 587		683 645	385 539
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		–50 033 242		–52 073 282	–49 362 619
FMRL (t CO ₂ eq per year)		0		0	0
Technical correction to FMRL (t CO ₂ eq per year)		1 489 301		1 127 875	1 127 875
Net emissions or removals from LULUCF activities (excluding forest management) under Article 3, paragraph 4, of the Kyoto Protocol	11 023 440	3 013 369	11 021 384	2 923 727	2 373 512

Abbreviations: FMRL = forest management reference level, LULUCF = land use, land-use change and forestry.

Table 179
Japan's total quantities of Kyoto Protocol units by account type at the end of 2015
(final values)

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding accounts	NO	NO	NO	77 379	NO	NO
Entity holding accounts	NO	NO	NO	359 246	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	NO	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of storage	NO	NO	NO	NO		NO
ICER replacement account for non-submission of certification report	NO	NO	NO	NO		NO
Total	NO	NO	NO	436 625	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 180
Japan's total quantities of Kyoto Protocol units by account type at the end of 2016
(provisional values)

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding accounts	NO	NO	NO	144 367	NO	NO
Entity holding accounts	NO	NO	NO	485 593	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	NO	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of storage	NO	NO	NO	NO		NO
ICER replacement account for non-submission of certification report	NO	NO	NO	NO		NO
Total	NO	NO	NO	629 960	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 181

Japan's total transactions of Kyoto Protocol units in 2016 (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	193 335	NO	NO
Total transactions	NO	NO	NO	193 335	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.

B. New Zealand

92. Tables 182–186 provide detailed information on New Zealand's initial accounting parameters for the second commitment period 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 182

Key initial accounting parameters under the Kyoto Protocol for New Zealand (voluntarily reported values)

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base-year emissions ^a	65 828 380	t CO ₂ eq

^a The total greenhouse gas emissions in the base year defined under the Kyoto Protocol for the calculation of the assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Doha Amendment.

Table 183
New Zealand's emissions/removals of greenhouse gases in 2014 and 2015

Parameter	Emissions/removals of greenhouse gases (t CO ₂ eq)				
	Final values (2016 submission)		Provisional values (2017 submission)		
	Base year	2014	Base year	2014	2015
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol		81 104 429		80 267 873	80 155 143
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)		-11 877 626		-9 538 181	-12 535 323
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		-10 927 372		-13 261 440	-12 106 227
FMRL (t CO ₂ eq per year)		11 150 000		11 150 000	11 150 000
Technical correction to FMRL (t CO ₂ eq per year)		-17 245 260		-17 245 261	-17 245 261
Net emissions or removals from LULUCF activities (excluding forest management) under Article 3, paragraph 4, of the Kyoto Protocol		NA, NE		NA, NE	NA, NE

Abbreviations: FMRL = forest management reference level, LULUCF = land use, land-use change and forestry, NA = not applicable, NE = not estimated.

Table 184
New Zealand's total quantities of Kyoto Protocol units by account type at the end of 2015 (final values)

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding accounts	NO	NO	NO	NO	NO	NO
Entity holding accounts	NO	NO	NO	NO	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	NO	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of 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 account 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 185
New Zealand's total quantities of Kyoto Protocol units by account type at the end of 2016 (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 accounts	NO	NO	NO	NO	NO	NO
Entity holding accounts	NO	NO	NO	NO	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	NO					
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation account	NO	NO	NO	NO		
Voluntary cancellation account	NO	NO	NO	NO	NO	NO
Cancellation account for remaining units after carry-over	NO	NO	NO	NO	NO	NO
Article 3.1 ter and quater ambition increase cancellation account	NO					
Article 3.7 ter cancellation account	NO					
tCER cancellation account for expiry					NO	
ICER cancellation account for expiry						NO
ICER cancellation account for reversal of storage						NO
ICER cancellation account for non-submission of certification report						NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of storage	NO	NO	NO	NO		NO
ICER replacement account 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 186
New Zealand's total transactions of Kyoto Protocol units in 2016 (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

<i>Transaction type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
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.

C. Russian Federation

93. Table 187 provides detailed information on the Russian Federation's annual GHG emissions and removals.

Table 187

The Russian Federation's emissions/removals of greenhouse gases in 2014 and 2015

<i>Parameter</i>	<i>Emissions/removals of greenhouse gases (t CO₂ eq)</i>				
	<i>Final values (2016 submission)</i>		<i>Provisional values (2017 submission)</i>		
	<i>Base year</i>	<i>2014</i>	<i>Base year</i>	<i>2014</i>	<i>2015</i>
Emissions of greenhouse gases from sources listed in Annex A to the Kyoto Protocol		2 648 873 347		2 645 819 284	2 651 211 999
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol (afforestation and reforestation, and deforestation)		792 760		934 582	-179 060
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		-470 714 236		-501 393 741	-504 208 314
FMRL (t CO ₂ eq per year)					
Technical correction to FMRL (t CO ₂ eq per year)		-116 251 689		6 624 310	6 624 310
Net emissions or removals from LULUCF activities (excluding forest management) under Article 3, paragraph 4, of the Kyoto Protocol	NA	NA	NA	NA	NA

Abbreviations: FMRL = forest management reference level, LULUCF = land use, land-use change and forestry, NA = not applicable.