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Parties to the Kyoto Protocol**

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Reporting from and review of Parties included in Annex I

**Annual compilation and accounting report for the second
commitment period for Annex B Parties under the Kyoto Protocol
(for 2019, 2020 and 2021)**

**Annual compilation and accounting report for Annex B
Parties under the Kyoto Protocol for 2021**

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. It also contains annual information on anthropogenic greenhouse gas emissions in 2018 and 2019 from sources listed in Annex A to the Kyoto Protocol; greenhouse gas emissions and removals in 2018 and 2019 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 as at 31 December 2019 and 31 December 2020. This document contains values from both the latest 2020 annual submissions and the 2021 annual submissions as reported by Parties as at 13 August 2021.



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Abbreviations and acronyms

AAU	assigned amount unit
Annex A source	source category included in Annex A to the Kyoto Protocol
Annex B Party	Party included in Annex I ¹ with commitments inscribed in the third column of Annex B in the Doha Amendment to the Kyoto Protocol
CER	certified emission reduction
CO ₂ eq	carbon dioxide equivalent
ERU	emission reduction unit
EU	European Union
FMRL	forest management reference level
GHG	greenhouse gas
IE	included elsewhere
initial review report	report on the review of the report to facilitate the calculation of the assigned amount for the second commitment period of the Kyoto Protocol
ICER	long-term certified emission reduction
LULUCF	land use, land-use change and forestry
NA	not applicable
NE	not estimated
NO	not occurring
RMU	removal unit
tCER	temporary certified emission reduction

¹ Defined in Article 1, para. 7, of the Kyoto Protocol.

I. Introduction

1. Document FCCC/KP/CMP/2021/3 provides an overview of the information available as at 13 August 2021 on annual accounting parameters for the second commitment period under the Kyoto Protocol for Annex B Parties; transactions and holdings of Kyoto Protocol units reported in 2020; and GHG emissions for 2018 and 2019.
2. This document includes the following, more detailed, information, available as at 13 August 2021, for individual Annex B Parties:
 - (a) Key initial accounting parameters for the second commitment period under the Kyoto Protocol;²
 - (b) Total GHG emissions from the sources listed in Annex A to the Kyoto Protocol reported for 2018 and 2019, including indirect carbon dioxide emissions where reported;
 - (c) GHG emissions and removals in the base year, 2018 and 2019 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 Protocol;
 - (d) Transactions and holdings of Kyoto Protocol units as at 31 December 2019 and 31 December 2020.
3. The annual information submitted in 2021 and in the reports to facilitate the calculation of the assigned amount for the second commitment period of the Kyoto Protocol 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.
4. 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 by Parties included in Annex I that do not have commitments inscribed in the third column of Annex B in the Doha Amendment (Japan, New Zealand and Russian Federation).
5. The information referred to in paragraphs 2 and 4 above is based on initial review reports and annual submissions of GHG inventories and accounting information submitted by Parties, which are available on the UNFCCC website.³

II. Australia

6. Australia met all the eligibility criteria and became eligible to participate in all the flexibility mechanisms under the Kyoto Protocol on 11 July 2009.
7. Tables 1–5 provide detailed information on Australia's initial accounting parameters 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

<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, in the Doha Amendment for the second commitment period	4 511 619 826	t CO ₂ eq

² The accounting parameters presented in this document are based on the final values available in the initial review reports published as at 13 August 2021.

³ <https://unfccc.int/process/transparency-and-reporting/reporting-and-review-under-the-kyoto-protocol/second-commitment-period/initial-reports> and <https://unfccc.int/ghg-inventories-annex-i-parties/2021>.

<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	-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 GHG emissions in the base year defined under the Kyoto Protocol for the calculation of the assigned amount pursuant to Article 3, paras. 7 bis, 8 and 8 bis, in the Doha Amendment, including emissions from the conversion of forests (deforestation) of 148,163,361 t CO₂ eq.

Table 2
Australia's emissions and removals of greenhouse gases in 2018 and 2019
(t CO₂ eq)

<i>Parameter</i>	<i>2020 submission</i>		<i>2021 submission</i>		
	<i>Base year</i>	<i>2018</i>	<i>Base year</i>	<i>2018</i>	<i>2019</i>
Emissions of GHGs from Annex A sources		558 047 220		549 731 942	545 152 518
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol		4 068 690		5 780 870	4 623 976
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		-12 119 533		-12 865 274	-3 595 588
FMRL (t CO ₂ eq/year)		4 700 000		4 700 000	4 700 000
Technical correction to FMRL (t CO ₂ eq/year)		-3 346 035		185 318	185 318
Net emissions or removals from LULUCF activities (excluding forest management) under Article 3, paragraph 4, of the Kyoto Protocol	31 641 783	509 683	26 160 281	1 474 321	-6 467 244

Table 3
Australia's total quantities of Kyoto Protocol units by account type at the end of 2019

<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	9 388 078	NO	16 617 550	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	6 598 076	22 822	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

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Total	NO	9 388 078	NO	23 215 626	22 822	NO

Table 4
Australia's total quantities of Kyoto Protocol units by account type at the end of 2020

<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	14 916 842	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	12 351 327	22 822	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	27 268 169	22 822	NO

Table 5
Australia's total transactions of Kyoto Protocol units in 2020

<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	11 376 252	NO	NO
Total transactions	NO	NO	NO	11 376 252	NO	NO
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	5 753 251	NO	NO
External transactions	NO	9 388 078	NO	7 323 709	NO	NO
Total transactions	NO	9 388 078	NO	13 076 960	NO	NO

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

<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, in the Doha Amendment for the second commitment period ^b	405 712 317	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 Austria's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	22 079 438	t CO ₂ eq

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

^b The assigned amounts of each EU member State, Iceland and the United Kingdom are equal to the emission levels agreed under the terms of the joint fulfilment agreement and the results of the application of Article 3, para. 7 bis, in the Doha Amendment for that member State, Iceland or the United Kingdom.

^c This difference is calculated on the basis of the joint assigned amount of the EU, its 27 member States, Iceland and the United Kingdom.

Table 7
Austria's emissions and removals of greenhouse gases in 2018 and 2019
 (t CO₂ eq)

<i>Parameter</i>	<i>2020 submission</i>		<i>2021 submission</i>		
	<i>Base year</i>	<i>2018</i>	<i>Base year</i>	<i>2018</i>	<i>2019</i>
Emissions of GHGs from Annex A sources		78 950 336		78 627 637	79 842 253
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol		–1 683 108		–1 682 587	–1 715 783
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		–4 128 542		–4 123 360	–3 610 359
FMRL (t CO ₂ eq/year)		–6 516 000		–6 516 000	–6 516 000
Technical correction to FMRL (t CO ₂ eq/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	NA	NA

Table 8
Austria's total quantities of Kyoto Protocol units by account type at the end of 2019

<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	2 340 627	NO	NO
Entity holding accounts	NO	NO	NO	89 475	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	244 121	NO	NO
Cancellation account for remaining units after carry-over	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>
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	2 674 223	NO	NO

Table 9
Austria's total quantities of Kyoto Protocol units by account type at the end of 2020

<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	2 343 258	NO	NO
Entity holding accounts	NO	NO	NO	68 319	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	510 081	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	2 921 658	NO	NO

Table 10
Austria's total transactions of Kyoto Protocol units in 2020

<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	1 884 935	NO	NO
Total transactions	NO	NO	NO	1 884 935	NO	NO
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	265 960	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	1 637 500	NO	NO
Total transactions	NO	NO	NO	1 903 460	NO	NO

IV. Belarus

10. Belarus has not ratified the Doha Amendment, which entered into force on 31 December 2020.⁴

11. As at 13 August 2021, Belarus had not yet submitted its report to facilitate the calculation of the assigned amount for the second commitment period of the Kyoto Protocol.

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

Table 11

Belarus's emissions and removals of greenhouse gases in 2018 and 2019

(t CO₂ eq)

<i>Parameter</i>	<i>2020 submission</i>		<i>2021 submission</i>		
	<i>Base year</i>	<i>2018</i>	<i>Base year</i>	<i>2018</i>	<i>2019</i>
Emissions of GHGs from Annex A sources		91 992 607		89 064 611	90 115 696

Note: As at 13 August 2021, Belarus had not yet submitted annual information on its GHG emissions and removals in 2018 and 2019 from LULUCF activities under Article 3, paras. 3–4, of the Kyoto Protocol.

V. Belgium

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

14. 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

<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, in 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

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

^b The assigned amounts of each EU member State, Iceland and the United Kingdom are equal to the emission levels agreed under the terms of the joint fulfilment agreement and the results of the application of Article 3, para. 7 bis, in the Doha Amendment for that member State, Iceland or the United Kingdom.

^c This difference is calculated on the basis of the joint assigned amount of the EU, its 27 member States, Iceland and the United Kingdom.

⁴ Belarus did not have a quantified emission limitation or reduction commitment in the first commitment period of the Kyoto Protocol.

Table 13
Belgium's emissions and removals of greenhouse gases in 2018 and 2019
(t CO₂ eq)

Parameter	2020 submission		2021 submission		
	Base year	2018	Base year	2018	2019
Emissions of GHGs from Annex A sources		118 522 495		117 894 738	116 651 489
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol		292 609		382 220	379 340
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		-1 408 166		-1 686 381	-1 677 971
FMRL (t CO ₂ eq/year)		-2 499 000		-2 499 000	-2 499 000
Technical correction to FMRL (t CO ₂ eq/year)		1 940 000		1 430 000	1 430 000
Net emissions or removals from LULUCF activities (excluding forest management) under Article 3, paragraph 4, of the Kyoto Protocol	NA	NA	NA	NA	NA

Table 14
Belgium's total quantities of Kyoto Protocol units by account type at the end of 2019

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding accounts	NO	NO	NO	NO	NO	NO
Entity holding accounts	NO	3 267 881	NO	17 128 768	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	17 169 018	NO	NO

Table 15
Belgium's total quantities of Kyoto Protocol units by account type at the end of 2020

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding accounts	NO	NO	NO	NO	NO	NO
Entity holding accounts	NO	3 267 881	NO	18 116 082	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	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	18 156 332	NO	NO

Table 16
Belgium's total transactions of Kyoto Protocol units in 2020

<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	992 301	NO	NO
Total transactions	NO	NO	NO	992 301	NO	NO
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	NO	NO	NO
External transactions	NO	NO	NO	4 987	NO	NO
Total transactions	NO	NO	NO	4 987	NO	NO

VI. Bulgaria

15. Bulgaria met all the eligibility criteria and became eligible to participate in all the flexibility mechanisms under the Kyoto Protocol on 4 February 2011.

16. 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

<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, in the Doha Amendment for the second commitment period ^b	222 945 983	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 Bulgaria's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	31 949 490	t CO ₂ eq

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

^b The assigned amounts of each EU member State, Iceland and the United Kingdom are equal to the emission levels agreed under the terms of the joint fulfilment agreement and the results of the application of Article 3, para. 7 bis, in the Doha Amendment for that member State, Iceland or the United Kingdom.

^c This difference is calculated on the basis of the joint assigned amount of the EU, its 27 member States, Iceland and the United Kingdom.

Table 18

Bulgaria's emissions and removals of greenhouse gases in 2018 and 2019

(t CO₂ eq)

<i>Parameter</i>	<i>2020 submission</i>		<i>2021 submission</i>		
	<i>Base year</i>	<i>2018</i>	<i>Base year</i>	<i>2018</i>	<i>2019</i>
Emissions of GHGs from Annex A sources		57 815 589		57 281 770	55 955 277
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol		–2 293 582		–2 538 704	–2 536 653
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		–7 318 331		–8 013 427	–7 953 025
FMRL (t CO ₂ eq/year)		–7 950 000		–7 950 000	–7 950 000
Technical correction to FMRL (t CO ₂ eq/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

Table 19

Bulgaria's total quantities of Kyoto Protocol units by account type at the end of 2019

<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	620 328	NO	83 593	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					
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	

<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 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	620 328	NO	83 593	NO	NO

Table 20

Bulgaria's total quantities of Kyoto Protocol units by account type at the end of 2020

<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	620 328	NO	83 593	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					
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	620 328	NO	83 593	NO	NO

Table 21

Bulgaria's total transactions of Kyoto Protocol units in 2020

<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

VII. Croatia

17. Croatia met all the eligibility criteria and became eligible to participate in all the flexibility mechanisms under the Kyoto Protocol on 8 February 2012.

18. 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

<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, in 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

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

^b The assigned amounts of each EU member State, Iceland and the United Kingdom are equal to the emission levels agreed under the terms of the joint fulfilment agreement and the results of the application of Article 3, para. 7 bis, in the Doha Amendment for that member State, Iceland or the United Kingdom.

^c This difference is calculated on the basis of the joint assigned amount of the EU, its 27 member States, Iceland and the United Kingdom.

Table 23

Croatia’s emissions and removals of greenhouse gases in 2018 and 2019(t CO₂ eq)

<i>Parameter</i>	<i>2020 submission</i>		<i>2021 submission</i>		
	<i>Base year</i>	<i>2018</i>	<i>Base year</i>	<i>2018</i>	<i>2019</i>
Emissions of GHGs from Annex A sources		23 792 796		23 536 283	23 605 021
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol		–246 093		–257 475	–224 039
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		–5 473 966		–6 066 019	–6 251 144
FMRL (t CO ₂ eq/year)		–6 289 000		–6 289 000	–6 289 000
Technical correction to FMRL (t CO ₂ eq/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

Table 24

Croatia’s total quantities of Kyoto Protocol units by account type at the end of 2019

<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		

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

Table 25

Croatia's total quantities of Kyoto Protocol units by account type at the end of 2020

<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

Table 26

Croatia's total transactions of Kyoto Protocol units in 2020

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

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

VIII. Cyprus

19. Upon the entry into force of the Doha Amendment, which has been ratified by Cyprus, the assigned amount for Cyprus was recorded in the compilation and accounting database, and as at 31 December 2020, its eligibility to participate in the flexibility mechanisms under the Kyoto Protocol had been established.⁵

20. Tables 27–31 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

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base-year emissions ^a	5 627 236	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, in 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	1 575 626	t CO ₂ eq

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

^b The assigned amounts of each EU member State, Iceland and the United Kingdom are equal to the emission levels agreed under the terms of the joint fulfilment agreement and the results of the application of Article 3, para. 7 bis, in the Doha Amendment for that member State, Iceland or the United Kingdom.

^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 and removals of greenhouse gases in 2018 and 2019

(t CO₂ eq)

<i>Parameter</i>	<i>2020 submission</i>		<i>2021 submission</i>		
	<i>Base year</i>	<i>2018</i>	<i>Base year</i>	<i>2018</i>	<i>2019</i>
Emissions of GHGs from Annex A sources		8 811 611		8 819 217	8 849 599
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol		–35 067		–35 034	–33 488
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		–134 940		–135 300	–151 833

⁵ See decision 11/CMP.1, annex, paras. 2–3, in conjunction with decisions 1/CMP.8; 9/CMP.1, annex, paras. 21–22; and 3/CMP.1, annex, paras. 31–32.

Parameter	2020 submission		2021 submission		
	Base year	2018	Base year	2018	2019
FMRL (t CO ₂ eq/year)		-157 000		-157 000	
Technical correction to FMRL (t CO ₂ eq/year)		NA		NA	-
Net emissions or removals from LULUCF activities (excluding forest management) under Article 3, paragraph 4, of the Kyoto Protocol	NO	NO	NO	NO	NO

Table 29
Cyprus's total quantities of Kyoto Protocol units by account type at the end of 2019

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

Table 30
Cyprus's total quantities of Kyoto Protocol units by account type at the end of 2020

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	

<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

Table 31
Cyprus's total transactions of Kyoto Protocol units in 2020

<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

IX. Czechia

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

22. Tables 32–36 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 32
Key initial accounting parameters under the Kyoto Protocol for Czechia

<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, in 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

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

^b The assigned amounts of each EU member State, Iceland and the United Kingdom are equal to the emission levels agreed under the terms of the joint fulfilment agreement and the results of the application of Article 3, para. 7 bis, in the Doha Amendment for that member State, Iceland or the United Kingdom.

^c This difference is calculated on the basis of the joint assigned amount of the EU, its 27 member States, Iceland and the United Kingdom.

Table 33
Czechia's emissions and removals of greenhouse gases in 2018 and 2019
(t CO₂ eq)

Parameter	2020 submission		2021 submission		
	Base year	2018	Base year	2018	2019
Emissions of GHGs from Annex A sources		128 139 420		129 251 241	123 297 562
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol		-387 514		-387 496	-327 079
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		6 345 737		4 663 378	14 060 973
FMRL (t CO ₂ eq/year)		-4 686 000		-4 686 000	-4 686 000
Technical correction to FMRL (t CO ₂ eq/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

Table 34
Czechia's total quantities of Kyoto Protocol units by account type at the end of 2019

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding accounts	NO	NO	NO	NO	NO	NO
Entity holding accounts	NO	NO	NO	19 649	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	19 649	NO	NO

Table 35
Czechia's total quantities of Kyoto Protocol units by account type at the end of 2020

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding accounts	NO	NO	NO	NO	NO	NO
Entity holding accounts	NO	NO	NO	16 747	NO	NO
Retirement account	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>
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	16 747	NO	NO

Table 36
Czechia's total transactions of Kyoto Protocol units in 2020

<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	2 902	NO	NO
Total transactions	NO	NO	NO	2 902	NO	NO

X. Denmark

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

24. Tables 37–41 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 37
Key initial accounting parameters under the Kyoto Protocol for Denmark

<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, in 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

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

^b The assigned amounts of each EU member State, Iceland and the United Kingdom are equal to the emission levels agreed under the terms of the joint fulfilment agreement and the results of the application of Article 3, para. 7 bis, in the Doha Amendment for that member State, Iceland or the United Kingdom.

^c This difference is calculated on the basis of the joint assigned amount of the EU, its 27 member States, Iceland and the United Kingdom.

Table 38

Denmark's emissions and removals of greenhouse gases in 2018 and 2019

<i>Parameter</i>	<i>2020 submission</i>		<i>2021 submission</i>		
	<i>Base year</i>	<i>2018</i>	<i>Base year</i>	<i>2018</i>	<i>2019</i>
Emissions of GHGs from Annex A sources		48 223 790		48 144 301	44 240 830
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol		–166 737		38 308	–278 006
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		554 199		–1 805 343	–1 949 077
FMRL (t CO ₂ eq/year)		409 000		409 000	409 000
Technical correction to FMRL (t CO ₂ eq/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	7 021 990	6 138 115	7 567 401	5 358 206	4 979 669

Table 39

Denmark's total quantities of Kyoto Protocol units by account type at the end of 2019

<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	284 392	NO	NO
Entity holding accounts	NO	NO	NO	3 379 521	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	

<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 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	3 675 077	NO	NO

Table 40

Denmark's total quantities of Kyoto Protocol units by account type at the end of 2020

<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	284 392	NO	NO
Entity holding accounts	NO	NO	NO	3 786 243	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
ICER replacement account for non-submission of certification report	NO	NO	NO	NO		NO
Total	NO	NO	NO	4 081 799	NO	NO

Table 41

Denmark's total transactions of Kyoto Protocol units in 2020

<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	3 981 722	NO	NO
Total transactions	NO	NO	NO	3 981 722	NO	NO
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	NO	NO	NO
External transactions	NO	NO	NO	3 575 000	NO	NO
Total transactions	NO	NO	NO	3 575 000	NO	NO

XI. Estonia

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

26. Tables 42–46 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 42

Key initial accounting parameters under the Kyoto Protocol for Estonia

<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, in 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

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

^b The assigned amounts of each EU member State, Iceland and the United Kingdom are equal to the emission levels agreed under the terms of the joint fulfilment agreement and the results of the application of Article 3, para. 7 bis, in the Doha Amendment for that member State, Iceland or the United Kingdom.

^c This difference is calculated on the basis of the joint assigned amount of the EU, its 27 member States, Iceland and the United Kingdom.

Table 43

Estonia’s emissions and removals of greenhouse gases in 2018 and 2019(t CO₂ eq)

<i>Parameter</i>	<i>2020 submission</i>		<i>2021 submission</i>		
	<i>Base year</i>	<i>2018</i>	<i>Base year</i>	<i>2018</i>	<i>2019</i>
Emissions of GHGs from Annex A sources		19 974 140		20 206 362	14 699 117
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol		86 129		234 567	128 700
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		–3 800 959		–2 853 739	–2 783 137
FMRL (t CO ₂ eq/year)		–2 741 000		–2 741 000	–2 741 000
Technical correction to FMRL (t CO ₂ eq/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

Table 44

Estonia’s total quantities of Kyoto Protocol units by account type at the end of 2019

<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		

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

Table 45
Estonia's total quantities of Kyoto Protocol units by account type at the end of 2020

<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

Table 46
Estonia's total transactions of Kyoto Protocol units in 2020

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

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

XII. European Union

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

28. Tables 47–51 provide detailed information on the EU'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 47

Key initial accounting parameters under the Kyoto Protocol for the European Union

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base-year emissions ^a	5 875 692 700	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, in the Doha Amendment for the second commitment period ^b	15 813 089 338	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	-1 063 645 030	t CO ₂ eq
Limitation on the additions to the assigned amount of the EU resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	1 643 637 017	t CO ₂ eq

^a

^a The total GHG emissions in the base year defined under the Kyoto Protocol for the calculation of the assigned amount pursuant to Article 3, paras. 7 bis, 8 and 8 bis, in the Doha Amendment, including emissions from the conversion of forests (deforestation) of 5,560,495 t CO₂ eq.

^b The assigned amount of the EU (15,813,089,338 t CO₂ eq) is the difference between (1) the joint assigned amount of the EU, its 27 member States, Iceland and the United Kingdom, equalling 80 per cent of its base-year emissions as inscribed in the third column of the table in Annex B in the Doha Amendment to the Kyoto Protocol (annex I to decision 1/CMP.8), multiplied by eight (37,604,433,280 t CO₂ eq) and (2) the sum of the individual assigned amounts of the 27 member States, Iceland and the United Kingdom (21,791,343,942 t CO₂ eq) determined in line with the terms of the joint fulfilment agreement.

Table 48

The European Union's emissions and removals of greenhouse gases in 2018 and 2019 (t CO₂ eq)

<i>Parameter</i>	<i>2020 submission</i>		<i>2021 submission</i>		
	<i>Base year</i>	<i>2018</i>	<i>Base year</i>	<i>2018</i>	<i>2019</i>
Emissions of GHGs from Annex A sources		4 233 885 390		4 232 637 582	4 067 095 872
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol		-20 508 394		-13 937 101	-16 420 079
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		-355 616 619		-358 304 279	-340 324 211
FMRL (t CO ₂ eq/year)		-315 476 000		-306 736 000	-306 736 000
Technical correction to FMRL (t CO ₂ eq/year)		32 310 719		25 261 446	25 261 446

<i>Parameter</i>	<i>2020 submission</i>		<i>2021 submission</i>		
	<i>Base year</i>	<i>2018</i>	<i>Base year</i>	<i>2018</i>	<i>2019</i>
Net emissions or removals from LULUCF activities (excluding forest management) under Article 3, paragraph 4, of the Kyoto Protocol	62 285 457	43 308 765	82 467 940	56 190 468	55 230 656

Table 49

The European Union's total quantities of Kyoto Protocol units by account type at the end of 2019

<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	116 381 395	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	13 437 408	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	129 818 803	NO	NO

Table 50

The European Union's total quantities of Kyoto Protocol units by account type at the end of 2020

<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	141 748 062	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	18 846 838	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	160 594 900	NO	NO

Table 51

The European Union's total transactions of Kyoto Protocol units in 2020

<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	50 971 895	NO	NO
Total transactions	NO	NO	NO	50 971 895	NO	NO
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	5 409 430	NO	NO
External transactions	NO	NO	NO	20 195 798	NO	NO
Total transactions	NO	NO	NO	25 605 228	NO	NO

XIII. Finland

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

30. Tables 52–56 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 52

Key initial accounting parameters under the Kyoto Protocol for Finland

<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, in 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

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

^b The assigned amounts of each EU member State, Iceland and the United Kingdom are equal to the emission levels agreed under the terms of the joint fulfilment agreement and the results of the application of Article 3, para. 7 bis, in the Doha Amendment for that member State, Iceland or the United Kingdom.

^c This difference is calculated on the basis of the joint assigned amount of the EU, its 27 member States, Iceland and the United Kingdom.

Table 53

Finland's emissions and removals of greenhouse gases in 2018 and 2019(t CO₂ eq)

Parameter	2020 submission		2021 submission		
	Base year	2018	Base year	2018	2019
Emissions of GHGs from Annex A sources		56 411 260		56 334 257	53 072 460
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol		2 526 851		2 755 659	2 536 696
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		-28 989 696		-26 708 624	-32 181 487
FMRL (t CO ₂ eq/year)		-20 466 000		-20 466 000	-20 466 000
Technical correction to FMRL (t CO ₂ eq/year)		-10 938 000		-10 938 000	-10 938 000
Net emissions or removals from LULUCF activities (excluding forest management) under Article 3, paragraph 4, of the Kyoto Protocol	NA	NA	NA	NA	NA

Table 54

Finland's total quantities of Kyoto Protocol units by account type at the end of 2019

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding accounts	NO	2 912 592	NO	9 527 241	NO	NO
Entity holding accounts	NO	4 625	NO	236 766	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	38 154	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	2 917 217	NO	9 802 161	NO	NO

Table 55

Finland's total quantities of Kyoto Protocol units by account type at the end of 2020

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding accounts	NO	2 912 592	NO	9 770 705	NO	NO
Entity holding accounts	NO	4 625	NO	221 994	NO	NO
Retirement account	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>
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	44 409	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	2 917 217	NO	10 037 108	NO	NO

Table 56
Finland's total transactions of Kyoto Protocol units in 2020

<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	1 049 526	NO	NO
Total transactions	NO	NO	NO	1 049 526	NO	NO
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	6 255	NO	NO
External transactions	NO	NO	NO	814 579	NO	NO
Total transactions	NO	NO	NO	820 834	NO	NO

XIV. France

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

32. Tables 57–61 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 57
Key initial accounting parameters under the Kyoto Protocol for France

<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, in the Doha Amendment for the second commitment period ^b	3 014 714 832	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 France's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	153 455 612	t CO ₂ eq

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

^b The assigned amounts of each EU member State, Iceland and the United Kingdom are equal to the emission levels agreed under the terms of the joint fulfilment agreement and the results of the application of Article 3, para. 7 bis, in the Doha Amendment for that member State, Iceland or the United Kingdom.

^c This difference is calculated on the basis of the joint assigned amount of the EU, its 27 member States, Iceland and the United Kingdom.

Table 58

France's emissions and removals of greenhouse gases in 2018 and 2019

(t CO₂ eq)

<i>Parameter</i>	<i>2020 submission</i>		<i>2021 submission</i>		
	<i>Base year</i>	<i>2018</i>	<i>Base year</i>	<i>2018</i>	<i>2019</i>
Emissions of GHGs from Annex A sources		444 823 315		444 589 883	435 998 624
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol		–3 886 269		–3 534 869	–3 737 368
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		–37 622 922		–38 934 215	–38 684 961
FMRL (t CO ₂ eq/year)		–67 410 000		–67 410 000	–67 410 000
Technical correction to FMRL (t CO ₂ eq/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	NA, NO	NO	IE, NE, NO	IE, NE, NO

Table 59

France's total quantities of Kyoto Protocol units by account type at the end of 2019

<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	3 969	NO	935 721	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	106 263	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	

<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 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	3 969	NO	1 041 984	NO	NO

Table 60

France's total quantities of Kyoto Protocol units by account type at the end of 2020

<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	3 969	NO	1 623 905	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	248 996	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	3 969	NO	1 872 901	NO	NO

Table 61

France's total transactions of Kyoto Protocol units in 2020

<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	1 011 209	NO	NO
Total transactions	NO	NO	NO	1 011 209	NO	NO
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	142 733	NO	NO
External transactions	NO	NO	NO	180 292	NO	NO
Total transactions	NO	NO	NO	323 025	NO	NO

XV. Germany

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

34. Tables 62–66 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 62

Key initial accounting parameters under the Kyoto Protocol for Germany

<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, in 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

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

^b The assigned amounts of each EU member State, Iceland and the United Kingdom are equal to the emission levels agreed under the terms of the joint fulfilment agreement and the results of the application of Article 3, para. 7 bis, in the Doha Amendment for that member State, Iceland or the United Kingdom.

^c This difference is calculated on the basis of the joint assigned amount of the EU, its 27 member States, Iceland and the United Kingdom.

Table 63

Germany’s emissions and removals of greenhouse gases in 2018 and 2019(t CO₂ eq)

<i>Parameter</i>	<i>2020 submission</i>		<i>2021 submission</i>		
	<i>Base year</i>	<i>2018</i>	<i>Base year</i>	<i>2018</i>	<i>2019</i>
Emissions of GHGs from Annex A sources		858 368 679		855 890 413	809 798 537
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol		–6 244 510		1 175 042	1 060 691
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		–65 239 567		–63 715 436	–61 245 616
FMRL (t CO ₂ eq/year)		–22 418 000		–22 418 000	–22 418 000
Technical correction to FMRL (t CO ₂ eq/year)		5 268 000		5 268 000	5 268 000
Net emissions or removals from LULUCF activities (excluding forest management) under Article 3, paragraph 4, of the Kyoto Protocol	36 936 268	34 777 107	40 597 847	35 774 360	35 437 541

Table 64

Germany’s total quantities of Kyoto Protocol units by account type at the end of 2019

<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	2 849 400	NO	NO
Entity holding accounts	NO	30 612	NO	3 525 829	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		

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Voluntary cancellation account	NO	NO	NO	6 044 122	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	30 612	NO	12 419 351	NO	NO

Table 65

Germany's total quantities of Kyoto Protocol units by account type at the end of 2020

<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	4 269 200	NO	NO
Entity holding accounts	NO	30 612	NO	1 702 300	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	9 071 153	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	30 612	NO	15 042 653	NO	NO

Table 66

Germany's total transactions of Kyoto Protocol units in 2020

<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	17 953 086	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	17 953 086	NO	NO
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	3 027 031	NO	NO
External transactions	NO	NO	NO	15 329 784	NO	NO
Total transactions	NO	NO	NO	18 356 815	NO	NO

XVI. Greece

35. Greece met all the eligibility criteria and became eligible to participate in all the flexibility mechanisms under the Kyoto Protocol on 14 November 2008.

36. Tables 67–71 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 67

Key initial accounting parameters under the Kyoto Protocol for Greece

<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, in 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

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

^b The assigned amounts of each EU member State, Iceland and the United Kingdom are equal to the emission levels agreed under the terms of the joint fulfilment agreement and the results of the application of Article 3, para. 7 bis, in the Doha Amendment for that member State, Iceland or the United Kingdom.

^c This difference is calculated on the basis of the joint assigned amount of the EU, its 27 member States, Iceland and the United Kingdom.

Table 68

Greece's emissions and removals of greenhouse gases in 2018 and 2019

(t CO₂ eq)

<i>Parameter</i>	<i>2020 submission</i>		<i>2021 submission</i>		
	<i>Base year</i>	<i>2018</i>	<i>Base year</i>	<i>2018</i>	<i>2019</i>
Emissions of GHGs from Annex A sources		92 221 660		92 308 345	85 630 943
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol		–27 733		–73 770	–75 813
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		–1 952 175		–1 999 719	–1 900 301
FMRL (t CO ₂ eq/year)		–1 830 000		–1 830 000	–1 830 000
Technical correction to FMRL (t CO ₂ eq/year)		210 402		210 402	210 402
Net emissions or removals from LULUCF activities (excluding forest)	NA	NA	NA	NA	NA

<i>Parameter</i>	<i>2020 submission</i>		<i>2021 submission</i>		
	<i>Base year</i>	<i>2018</i>	<i>Base year</i>	<i>2018</i>	<i>2019</i>
management) under Article 3, paragraph 4, of the Kyoto Protocol					

Table 69

Greece's total quantities of Kyoto Protocol units by account type at the end of 2019

<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

Table 70

Greece's total quantities of Kyoto Protocol units by account type at the end of 2020

<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	

<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 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

Table 71
Greece's total transactions of Kyoto Protocol units in 2020

<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

XVII. Hungary

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

38. Tables 72–76 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 72
Key initial accounting parameters under the Kyoto Protocol for Hungary

<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, in the Doha Amendment for the second commitment period ^b	434 486 280	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 Hungary's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	30 680 949	t CO ₂ eq

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

^b The assigned amounts of each EU member State, Iceland and the United Kingdom are equal to the emission levels agreed under the terms of the joint fulfilment agreement and the results of the application of Article 3, para. 7 bis, in the Doha Amendment for that member State, Iceland or the United Kingdom.

^c This difference is calculated on the basis of the joint assigned amount of the EU, its 27 member States, Iceland and the United Kingdom.

Table 73

Hungary's emissions and removals of greenhouse gases in 2018 and 2019(t CO₂ eq)

Parameter	2020 submission		2021 submission		
	Base year	2018	Base year	2018	2019
Emissions of GHGs from Annex A sources		63 219 560		64 735 401	64 433 168
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol		-766 451		-816 803	-682 314
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		-3 302 437		-2 787 055	-3 517 407
FMRL (t CO ₂ eq/year)		-1 000 000		-1 000 000	-1 000 000
Technical correction to FMRL (t CO ₂ eq/year)		-255 445		-168 753	-168 753
Net emissions or removals from LULUCF activities (excluding forest management) under Article 3, paragraph 4, of the Kyoto Protocol	NA	NA	NA	NA	NA

Table 74

Hungary's total quantities of Kyoto Protocol units by account type at the end of 2019

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding accounts	NO	3 872 627	NO	5 329 060	NO	NO
Entity holding accounts	NO	1 267	NO	6 216	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	3 000	NO	1 400	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	3 876 894	NO	5 336 676	NO	NO

Table 75

Hungary's total quantities of Kyoto Protocol units by account type at the end of 2020

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding accounts	NO	3 872 627	NO	5 329 060	NO	NO
Entity holding accounts	NO	1 267	NO	6 216	NO	NO
Retirement account	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>
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	3 000	NO	1 400	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	3 876 894	NO	5 336 676	NO	NO

Table 76
Hungary's total transactions of Kyoto Protocol units in 2020

<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	14 000	NO	NO
Total transactions	NO	NO	NO	14 000	NO	NO
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	NO	NO	NO
External transactions	NO	NO	NO	14 000	NO	NO
Total transactions	NO	NO	NO	14 000	NO	NO

XVIII. Iceland

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

40. Tables 77–81 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 77
Key initial accounting parameters under the Kyoto Protocol for Iceland

<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, in the Doha Amendment for the second commitment period ^b	15 327 217	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 Iceland's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	1 017 396	t CO ₂ eq

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

^b The assigned amounts of each EU member State, Iceland and the United Kingdom are equal to the emission levels agreed under the terms of the joint fulfilment agreement and the results of the application of Article 3, para. 7 bis, in the Doha Amendment for that member State, Iceland or the United Kingdom.

^c This difference is calculated on the basis of the joint assigned amount of the EU, its 27 member States, Iceland and the United Kingdom.

Table 78

Iceland's emissions and removals of greenhouse gases in 2018 and 2019(t CO₂ eq)

<i>Parameter</i>	<i>2020 submission</i>		<i>2021 submission</i>		
	<i>Base year</i>	<i>2018</i>	<i>Base year</i>	<i>2018</i>	<i>2019</i>
Emissions of GHGs from Annex A sources		4 856 954		4 822 188	4 722 349
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol		–291 174		–309 273	–355 637
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		–94 847		–94 026	–90 628
FMRL (t CO ₂ eq/year)		–154 000		–154 000	–154 000
Technical correction to FMRL (t CO ₂ eq/year)		76 950		76 950	76 950
Net emissions or removals from LULUCF activities (excluding forest management) under Article 3, paragraph 4, of the Kyoto Protocol	–347 705	–637 014	–386 762	–615 501	–603 127

Table 79

Iceland's total quantities of Kyoto Protocol units by account type at the end of 2019

<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	

<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 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

Table 80
Iceland's total quantities of Kyoto Protocol units by account type at the end of 2020

<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

Table 81
Iceland's total transactions of Kyoto Protocol units in 2020

<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

XIX. Ireland

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

42. Tables 82–86 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 82

Key initial accounting parameters under the Kyoto Protocol for Ireland

<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, in 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

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

^b The assigned amounts of each EU member State, Iceland and the United Kingdom are equal to the emission levels agreed under the terms of the joint fulfilment agreement and the results of the application of Article 3, para. 7 bis, in the Doha Amendment for that member State, Iceland or the United Kingdom.

^c This difference is calculated on the basis of the joint assigned amount of the EU, its 27 member States, Iceland and the United Kingdom.

Table 83

Ireland’s emissions and removals of greenhouse gases in 2018 and 2019(t CO₂ eq)

<i>Parameter</i>	<i>2020 submission</i>		<i>2021 submission</i>		
	<i>Base year</i>	<i>2018</i>	<i>Base year</i>	<i>2018</i>	<i>2019</i>
Emissions of GHGs from Annex A sources		60 934 541		62 526 014	59 777 640
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol		–3 330 147		–3 688 024	–3 608 678
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		–815 212		–861 952	–1 212 726
FMRL (t CO ₂ eq/year)		–142 070		–142 070	–142 070
Technical correction to FMRL (t CO ₂ eq/year)		–933 521		–933 521	–933 521
Net emissions or removals from LULUCF activities (excluding forest management) under Article 3, paragraph 4, of the Kyoto Protocol	6 932 729	6 440 154	7 008 958	6 530 542	6 549 089

Table 84

Ireland’s total quantities of Kyoto Protocol units by account type at the end of 2019

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>lCERs</i>
Party holding accounts	NO	NO	NO	NO	NO	NO
Entity holding accounts	NO	74 964	NO	5 655 576	314 891	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		

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
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	5 655 576	314 891	NO

Table 85
Ireland's total quantities of Kyoto Protocol units by account type at the end of 2020

<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	6 773 042	636 919	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	6 773 042	636 919	NO

Table 86
Ireland's total transactions of Kyoto Protocol units in 2020

<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	1 117 466	322 028	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	1 117 466	322 028	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

XX. Italy

43. Italy 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 87–91 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 87

Key initial accounting parameters under the Kyoto Protocol for Italy

<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, in 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

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

^b The assigned amounts of each EU member State, Iceland and the United Kingdom are equal to the emission levels agreed under the terms of the joint fulfilment agreement and the results of the application of Article 3, para. 7 bis, in the Doha Amendment for that member State, Iceland or the United Kingdom.

^c This difference is calculated on the basis of the joint assigned amount of the EU, 27 its member States, Iceland and the United Kingdom.

Table 88

Italy's emissions and removals of greenhouse gases in 2018 and 2019

(t CO₂ eq)

<i>Parameter</i>	<i>2020 submission</i>		<i>2021 submission</i>		
	<i>Base year</i>	<i>2018</i>	<i>Base year</i>	<i>2018</i>	<i>2019</i>
Emissions of GHGs from Annex A sources		427 529 021		428 549 346	418 280 596
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol		–5 976 521		–5 892 254	–7 023 783
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		–25 914 058		–24 878 835	–31 081 265
FMRL (t CO ₂ eq/year)		–22 166 000		–22 166 000	–22 166 000
Technical correction to FMRL (t CO ₂ eq/year)		–1 680 061		–1 680 061	–1 680 061
Net emissions or removals from LULUCF activities (excluding forest	548 067	–5 910 911	979 527	–5 453 029	–5 649 476

Parameter	2020 submission		2021 submission		
	Base year	2018	Base year	2018	2019
management) under Article 3, paragraph 4, of the Kyoto Protocol					

Table 89

Italy's total quantities of Kyoto Protocol units by account type at the end of 2019

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding accounts	NO	698 870	NO	975 569	NO	NO
Entity holding accounts	NO	402 416	NO	3 944 535	29 694	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	7 660	NO	6 044	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	4 926 148	29 694	NO

Table 90

Italy's total quantities of Kyoto Protocol units by account type at the end of 2020

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding accounts	NO	698 870	NO	975 569	NO	NO
Entity holding accounts	NO	399 901	NO	3 912 703	142 719	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	10 175	NO	28 326	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	

<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 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	4 916 598	142 719	NO

Table 91
Italy's total transactions of Kyoto Protocol units in 2020

<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	237 830	113 025	NO
Total transactions	NO	NO	NO	237 830	113 025	NO
<i>Subtractions</i>						
Internal transactions	NO	2 515	NO	22 282	NO	NO
External transactions	NO	NO	NO	247 380	NO	NO
Total transactions	NO	2 515	NO	269 662	NO	NO

XXI. Kazakhstan

45. Kazakhstan is currently implementing a consolidated plan in respect of questions of implementation raised in the 2019 annual review report,⁶ the 2017 annual review report⁷ and initial review report,⁸ as per the final decision (dated 13 January 2021)⁹ confirming the preliminary findings of the enforcement branch of the Compliance Committee in accordance with decision 7/CMP.9, paragraph 5. Kazakhstan has not ratified the Doha Amendment, which entered into force on 31 December 2020.

46. Tables 92–96 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 92
Key initial accounting parameters under the Kyoto Protocol for Kazakhstan

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base-year emissions ^a	371 295 113	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, in the Doha Amendment for the second commitment period	2 821 842 860	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	548 265 662	t CO ₂ eq
Limitation on the additions to Kazakhstan's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	103 962 632	t CO ₂ eq

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

⁶ FCCC/ARR/2019/KAZ.

⁷ FCCC/ARR/2017/KAZ.

⁸ FCCC/IRR/2017/KAZ.

⁹ See Compliance Committee document CC-2020-1-4/Kazakhstan/EB, available at <https://unfccc.int/process-and-meetings/the-kyoto-protocol/compliance-under-the-kyoto-protocol/questions-of-implementation-kazakhstan-2020>.

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

Table 93
Kazakhstan's emissions and removals of greenhouse gases in 2018 and 2019
 (t CO₂ eq)

Parameter	2020 submission		2021 submission		
	Base year	2018	Base year	2018	2019
Emissions of GHGs from Annex A sources		396 570 465		375 581 983	354 869 623
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol		-4 090 533		-2 260 500	-2 346 300
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		-10 498 430		-4 214 496	-7 865 365
FMRL (t CO ₂ eq/year) ^a		-		-	-
Technical correction to FMRL (t CO ₂ eq/year)		-		-	-
Net emissions or removals from LULUCF activities (excluding forest management) under Article 3, paragraph 4, of the Kyoto Protocol	-205 333	-6 240 667	NO	IE, NO	NO

^a

^a 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.

Table 94
Kazakhstan's total quantities of Kyoto Protocol units by account type at the end of 2019

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

Table 95
Kazakhstan's total quantities of Kyoto Protocol units by account type at the end of 2020

<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

Table 96
Kazakhstan's total transactions of Kyoto Protocol units in 2020

<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

XXII. Latvia

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

48. Tables 97–101 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 97
Key initial accounting parameters under the Kyoto Protocol for Latvia

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base-year emissions ^a	26 409 077	t CO ₂ eq

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
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, in 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

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

^b The assigned amounts of each EU member State, Iceland and the United Kingdom are equal to the emission levels agreed under the terms of the joint fulfilment agreement and the results of the application of Article 3, para. 7 bis, in the Doha Amendment for that member State, Iceland or the United Kingdom.

^c This difference is calculated on the basis of the joint assigned amount of the EU, its 27 member States, Iceland and the United Kingdom.

Table 98

Latvia's emissions and removals of greenhouse gases in 2018 and 2019(t CO₂ eq)

<i>Parameter</i>	<i>2020 submission</i>		<i>2021 submission</i>		
	<i>Base year</i>	<i>2018</i>	<i>Base year</i>	<i>2018</i>	<i>2019</i>
Emissions of GHGs from Annex A sources		11 757 063		11 272 521	11 144 810
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol		760 914		677 737	688 882
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		–2 334 007		–2 337 106	–2 867 620
FMRL (t CO ₂ eq/year)		–16 302 000		–16 302 000	–16 302 000
Technical correction to FMRL (t CO ₂ eq/year)		11 703 392		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	NA	NA

Table 99

Latvia's total quantities of Kyoto Protocol units by account type at the end of 2019

<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

<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 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

Table 100
Latvia's total quantities of Kyoto Protocol units by account type at the end of 2020

<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

Table 101
Latvia's total transactions of Kyoto Protocol units in 2020

<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

XXIII. Liechtenstein

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

50. Tables 102–106 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 102

Key initial accounting parameters under the Kyoto Protocol for Liechtenstein

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base-year emissions ^a	231 554	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, in the Doha Amendment for the second commitment period	1 556 044	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	–410 191	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	64 169	t CO ₂ eq

^a

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

Table 103

Liechtenstein's emissions and removals of greenhouse gases in 2018 and 2019

(t CO₂ eq)

<i>Parameter</i>	<i>2020 submission</i>		<i>2021 submission</i>		
	<i>Base year</i>	<i>2018</i>	<i>Base year</i>	<i>2018</i>	<i>2019</i>
Emissions of GHGs from Annex A sources		181 076		180 693	187 109
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol		4 115		4 289	4 115
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		11 650		11 037	1 049
FMRL (t CO ₂ eq/year)		100		100	100
Technical correction to FMRL (t CO ₂ eq/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	NO

Table 104

Liechtenstein's total quantities of Kyoto Protocol units by account type at the end of 2019

<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	314 004	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		

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
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	314 004	NO	NO

Table 105

Liechtenstein's total quantities of Kyoto Protocol units by account type at the end of 2020

<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	314 004	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	314 004	NO	NO

Table 106

Liechtenstein's total transactions of Kyoto Protocol units in 2020

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

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

XXIV. Lithuania

51. Lithuania met all the eligibility criteria and became eligible to participate in all the flexibility mechanisms under the Kyoto Protocol on 24 October 2012.

52. Tables 107–111 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 107

Key initial accounting parameters under the Kyoto Protocol for Lithuania

<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, in 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

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

^b The assigned amounts of each EU member State, Iceland and the United Kingdom are equal to the emission levels agreed under the terms of the joint fulfilment agreement and the results of the application of Article 3, para. 7 bis, in the Doha Amendment for that member State, Iceland or the United Kingdom.

^c This difference is calculated on the basis of the joint assigned amount of the EU, its 27 member States, Iceland and the United Kingdom.

Table 108

Lithuania's emissions and removals of greenhouse gases in 2018 and 2019

(t CO₂ eq)

<i>Parameter</i>	<i>2020 submission</i>		<i>2021 submission</i>		
	<i>Base year</i>	<i>2018</i>	<i>Base year</i>	<i>2018</i>	<i>2019</i>
Emissions of GHGs from Annex A sources		20 266 829		20 150 099	20 367 848
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol		955 598		933 742	149 176
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		–3 132 822		–5 788 460	–5 458 715
FMRL (t CO ₂ eq/year)		–4 552 000		–4 552 000	–4 552 000
Technical correction to FMRL (t CO ₂ eq/year)		–922 000		–922 000	–922 000
Net emissions or removals from LULUCF activities (excluding forest	NA	NA	NA	NA	NA

Parameter	2020 submission		2021 submission		
	Base year	2018	Base year	2018	2019
management) under Article 3, paragraph 4, of the Kyoto Protocol					

Table 109

Lithuania's total quantities of Kyoto Protocol units by account type at the end of 2019

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
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	
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

Table 110

Lithuania's total quantities of Kyoto Protocol units by account type at the end of 2020

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding accounts	NO	633 399	NO	229 828	NO	NO
Entity holding accounts	NO	388 107	NO	659	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	5 494	NO	16 479	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	

<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 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	1 027 000	NO	246 966	NO	NO

Table 111
Lithuania's total transactions of Kyoto Protocol units in 2020

<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	5 494	NO	16 479	NO	NO
External transactions	NO	1 300 000	NO	NO	NO	NO
Total transactions	NO	1 305 494	NO	16 479	NO	NO

XXV. Luxembourg

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

54. Tables 112–116 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 112
Key initial accounting parameters under the Kyoto Protocol for Luxembourg

<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, in the Doha Amendment for the second commitment period ^b	72 454 473	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 Luxembourg's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	3 604 402	t CO ₂ eq

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

^b The assigned amounts of each EU member State, Iceland and the United Kingdom are equal to the emission levels agreed under the terms of the joint fulfilment agreement and the results of the application of Article 3, para. 7 bis, in the Doha Amendment for that member State, Iceland or the United Kingdom.

^c This difference is calculated on the basis of the joint assigned amount of the EU, its 27 member States, Iceland and the United Kingdom.

Table 113

Luxembourg's emissions and removals of greenhouse gases in 2018 and 2019(t CO₂ eq)

Parameter	2020 submission		2021 submission		
	Base year	2018	Base year	2018	2019
Emissions of GHGs from Annex A sources		10 547 155		10 565 227	10 742 797
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol		-128 405		-128 405	-127 458
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		-94 942		-94 942	-215 249
FMRL (t CO ₂ eq/year)		-418 000		-418 000	-418 000
Technical correction to FMRL (t CO ₂ eq/year)		181 680		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, NO	NA, NO	NA, NO

Table 114

Luxembourg's total quantities of Kyoto Protocol units by account type at the end of 2019

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding accounts	NO	NO	NO	1 543 353	70 181	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	1 543 353	70 181	NO

Table 115

Luxembourg's total quantities of Kyoto Protocol units by account type at the end of 2020

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding accounts	NO	NO	NO	1 554 135	285 462	NO
Entity holding accounts	NO	NO	NO	NO	NO	NO
Retirement account	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>
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	1 554 135	285 462	NO

Table 116
Luxembourg's total transactions of Kyoto Protocol units in 2020

<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	10 782	215 281	NO
Total transactions	NO	NO	NO	10 782	215 281	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

XXVI. Malta

55. Upon the entry into force of the Doha Amendment, which has been ratified by Malta, the assigned amount for Malta was recorded in the compilation and accounting database and as at 31 December 2020, its eligibility to participate in the flexibility mechanisms under the Kyoto Protocol had been established.¹⁰

56. Tables 117–121 provide detailed information on Malta'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 117
Key initial accounting parameters under the Kyoto Protocol for Malta

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base-year emissions ^a	1 974 638	t CO ₂ eq

¹⁰ See decision 11/CMP.1, annex, paras. 2–3, in conjunction with decision 1/CMP. 8; decision 9/CMP.1, annex, paras. 21–22; and decision 3/CMP.1, annex, paras. 31–32.

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
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, in 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

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

^b The assigned amounts of each EU member State, Iceland and the United Kingdom are equal to the emission levels agreed under the terms of the joint fulfilment agreement and the results of the application of Article 3, para. 7 bis, in the Doha Amendment for that member State, Iceland or the United Kingdom.

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

Table 118

Malta's emissions and removals of greenhouse gases in 2018 and 2019(t CO₂ eq)

<i>Parameter</i>	<i>2020 submission</i>		<i>2021 submission</i>		
	<i>Base year</i>	<i>2018</i>	<i>Base year</i>	<i>2018</i>	<i>2019</i>
Emissions of GHGs from Annex A sources		2 186 113		2 041 169	2 174 718
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol		NO		NO	NO
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		NO		NO	NO
FMRL (t CO ₂ eq/year)		–49 000		–49 000	–49 000
Technical correction to FMRL (t CO ₂ eq/year)		49 000		49 000	49 000
Net emissions or removals from LULUCF activities (excluding forest management) under Article 3, paragraph 4, of the Kyoto Protocol	NO	NO	NA, NO	NA, NO	NA, NO

Table 119

Malta's total quantities of Kyoto Protocol units by account type at the end of 2019

<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

<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 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

Table 120

Malta's total quantities of Kyoto Protocol units by account type at the end of 2020

<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

Table 121

Malta's total transactions of Kyoto Protocol units in 2020

<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

XXVII. Monaco

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

58. Tables 122–126 provide information on Monaco'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 122

Key initial accounting parameters under the Kyoto Protocol for Monaco

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base-year emissions ^a	99 319	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, in the Doha Amendment for the second commitment period	619 751	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	–92 460	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	27 809 000	t CO ₂ eq

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

Table 123

Monaco's emissions and removals of greenhouse gases in 2018 and 2019

(t CO₂ eq)

<i>Parameter</i>	<i>2020 submission</i>		<i>2021 submission</i>		
	<i>Base year</i>	<i>2018</i>	<i>Base year</i>	<i>2018</i>	<i>2019</i>
Emissions of GHGs from Annex A sources		86 925		87 133	82 539
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol		NO		NO	NO
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		NO		NO	NO
FMRL (t CO ₂ eq/year)		NA		NA	NA
Technical correction to FMRL (t CO ₂ eq/year)		NA		NA	NA
Net emissions or removals from LULUCF activities (excluding forest management) under Article 3, paragraph 4, of the Kyoto Protocol	NO	NO	NO	NO	NO

Table 124

Monaco's total quantities of Kyoto Protocol units by account type at the end of 2019

<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	40 000	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		

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
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	40 000	NO	NO

Table 125
Monaco's total quantities of Kyoto Protocol units by account type at the end of 2020

<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	50 700	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	50 700	NO	NO

Table 126
Monaco's total transactions of Kyoto Protocol units in 2020

<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	10 700	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	10 700	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

XXVIII. Netherlands

59. 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.

60. Tables 127–131 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 127

Key initial accounting parameters under the Kyoto Protocol for the Netherlands

<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, in 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

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

^b The assigned amounts of each EU member State, Iceland and the United Kingdom are equal to the emission levels agreed under the terms of the joint fulfilment agreement and the results of the application of Article 3, para. 7 bis, in the Doha Amendment for that member State, Iceland or the United Kingdom.

^c This difference is calculated on the basis of the joint assigned amount of the EU, its 27 member States, Iceland and the United Kingdom.

Table 128

The Netherlands' emissions and removals of greenhouse gases in 2018 and 2019

(t CO₂ eq)

<i>Parameter</i>	<i>2020 submission</i>		<i>2021 submission</i>		
	<i>Base year</i>	<i>2018</i>	<i>Base year</i>	<i>2018</i>	<i>2019</i>
Emissions of GHGs from Annex A sources		188 196 789		186 758 952	180 740 221
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol		704 430		678 659	712 419
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		–1 027 304		–1 048 192	–1 024 246
FMRL (t CO ₂ eq/year)		–1 425 000		–1 425 000	–1 425 000
Technical correction to FMRL (t CO ₂ eq/year)		NE		360 000	360 000
Net emissions or removals from LULUCF activities (excluding forest)	NA	NA	NA	NA	NA

<i>Parameter</i>	<i>2020 submission</i>		<i>2021 submission</i>		
	<i>Base year</i>	<i>2018</i>	<i>Base year</i>	<i>2018</i>	<i>2019</i>
management) under Article 3, paragraph 4, of the Kyoto Protocol					

Table 129

The Netherlands' total quantities of Kyoto Protocol units by account type at the end of 2019

<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	547 839	NO	NO
Entity holding accounts	NO	NO	NO	2 643 718	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	15 000	NO	799 880	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	15 000	NO	3 991 437	NO	NO

Table 130

The Netherlands' total quantities of Kyoto Protocol units by account type at the end of 2020

<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	563 670	NO	NO
Entity holding accounts	NO	NO	NO	4 196 444	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	15 000	NO	956 382	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	

<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 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	15 000	NO	5 716 496	NO	NO

Table 131
The Netherlands' total transactions of Kyoto Protocol units in 2020

<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	19 828 771	NO	NO
Total transactions	NO	NO	NO	19 828 771	NO	NO
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	156 502	NO	NO
External transactions	NO	NO	NO	18 103 712	NO	NO
Total transactions	NO	NO	NO	18 260 214	NO	NO

XXIX. Norway

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

62. Tables 132–136 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 132
Key initial accounting parameters under the Kyoto Protocol for Norway

<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, in 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 GHG emissions in the base year defined under the Kyoto Protocol for the calculation of the assigned amount pursuant to Article 3, paras. 7 bis, 8 and 8 bis, in the Doha Amendment.

Table 133
Norway's emissions and removals of greenhouse gases in 2018 and 2019
(t CO₂ eq)

<i>Parameter</i>	<i>2020 submission</i>		<i>2021 submission</i>		
	<i>Base year</i>	<i>2018</i>	<i>Base year</i>	<i>2018</i>	<i>2019</i>
Emissions of GHGs from Annex A sources		52 022 405		52 211 459	50 333 980

Parameter	2020 submission		2021 submission		
	Base year	2018	Base year	2018	2019
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol		1 937 369		2 313 779	2 272 597
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals FMRL (t CO ₂ eq/year)		-27 740 506		-21 155 531	-23 062 015
Technical correction to FMRL (t CO ₂ eq/year)		-		-	-
Net emissions or removals from LULUCF activities (excluding forest management) under Article 3, paragraph 4, of the Kyoto Protocol	1 679 828	1 753 837	1 482 314	1 679 880	1 685 804

Table 134
Norway's total quantities of Kyoto Protocol units by account type at the end of 2019

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding accounts	NO	738 305	NO	28 302 529	NO	NO
Entity holding accounts	NO	84 848	NO	587 774	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	351 831	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	823 153	NO	29 242 134	NO	NO

Table 135
Norway's total quantities of Kyoto Protocol units by account type at the end of 2020

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding accounts	NO	738 305	NO	34 525 119	NO	NO
Entity holding accounts	NO	84 848	NO	654 509	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	444 413	NO	NO

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Cancellation 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	823 153	NO	35 624 041	NO	NO

Table 136
Norway's total transactions of Kyoto Protocol units in 2020

<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	6 481 140	NO	NO
Total transactions	NO	NO	NO	6 481 140	NO	NO
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	92 582	NO	NO
External transactions	NO	NO	NO	99 233	NO	NO
Total transactions	NO	NO	NO	191 815	NO	NO

XXX. Poland

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

64. Tables 137–141 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 137
Key initial accounting parameters under the Kyoto Protocol for Poland

<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, in 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

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

^b The assigned amounts of each EU member State, Iceland and the United Kingdom are equal to the emission levels agreed under the terms of the joint fulfilment agreement and the results of the application of Article 3, para. 7 bis, in the Doha Amendment for that member State, Iceland or the United Kingdom.

^c This difference is calculated on the basis of the joint assigned amount of the EU, its 27 member States, Iceland and the United Kingdom.

Table 138

Poland's emissions and removals of greenhouse gases in 2018 and 2019(t CO₂ eq)

Parameter	2020 submission		2021 submission		
	Base year	2018	Base year	2018	2019
Emissions of GHGs from Annex A sources		412 856 373		411 852 174	390 744 668
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol		-2 780 184		-469 835	-539 850
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		-37 958 976		-37 953 851	-17 653 836
FMRL (t CO ₂ eq/year)		-27 133 000		-27 133 000	-27 133 000
Technical correction to FMRL (t CO ₂ eq/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

Table 139

Poland's total quantities of Kyoto Protocol units by account type at the end of 2019

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding accounts	NO	37 556 760	NO	42 947 508	NO	NO
Entity holding accounts	NO	4 832 129	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	18 651	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	42 388 889	NO	42 966 159	NO	NO

Table 140
Poland's total quantities of Kyoto Protocol units by account type at the end of 2020

<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	42 388 889	NO	42 947 508	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	18 651	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	42 388 889	NO	42 966 159	NO	NO

Table 141
Poland's total quantities of Kyoto Protocol units by account type at the end of 2020

<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

XXXI. Portugal

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

66. Tables 142–146 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 142
Key initial accounting parameters under the Kyoto Protocol for Portugal

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base-year emissions ^a	65 028 094	t CO ₂ eq

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
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, in the Doha Amendment for the second commitment period ^b	429 581 969	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 Portugal's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	17 010 374	t CO ₂ eq

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

^b The assigned amounts of each EU member State, Iceland and the United Kingdom are equal to the emission levels agreed under the terms of the joint fulfilment agreement and the results of the application of Article 3, para. 7 bis, in the Doha Amendment for that member State, Iceland or the United Kingdom.

^c This difference is calculated on the basis of the joint assigned amount of the EU, its 27 member States, Iceland and the United Kingdom.

Table 143

Portugal's emissions and removals of greenhouse gases in 2018 and 2019(t CO₂ eq)

<i>Parameter</i>	<i>2020 submission</i>		<i>2021 submission</i>		
	<i>Base year</i>	<i>2018</i>	<i>Base year</i>	<i>2018</i>	<i>2019</i>
Emissions of GHGs from Annex A sources		67 416 792		67 267 483	63 626 310
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol		–850 973		–1 189 302	–1 359 201
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		–3 433 420		–6 104 173	–7 075 590
FMRL (t CO ₂ eq/year)		–6 830 000		–6 830 000	–6 830 000
Technical correction to FMRL (t CO ₂ eq/year r)		3 260 788		3 369 143	3 369 143
Net emissions or removals from LULUCF activities (excluding forest management) under Article 3, paragraph 4, of the Kyoto Protocol	4 795 150	227 709	4 795 580	225 232	223 822

Table 144

Portugal's total quantities of Kyoto Protocol units by account type at the end of 2019

<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

Table 145

Portugal's total quantities of Kyoto Protocol units by account type at the end of 2020

<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

Table 146

Portugal's total transactions of Kyoto Protocol units in 2020

<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

XXXII. Romania

67. Romania met all the eligibility criteria and became eligible to participate in all the flexibility mechanisms under the Kyoto Protocol on 13 July 2012.

68. Tables 147–151 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 147

Key initial accounting parameters under the Kyoto Protocol for Romania

<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, in 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

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

^b The assigned amounts of each EU member State, Iceland and the United Kingdom are equal to the emission levels agreed under the terms of the joint fulfilment agreement and the results of the application of Article 3, para. 7 bis, in the Doha Amendment for that member State, Iceland or the United Kingdom.

^c This difference is calculated on the basis of the joint assigned amount of the EU, its 27 member States, Iceland and the United Kingdom.

Table 148

Romania's emissions and removals of greenhouse gases in 2018 and 2019

(t CO₂ eq)

<i>Parameter</i>	<i>2020 submission</i>		<i>2021 submission</i>		
	<i>Base year</i>	<i>2018</i>	<i>Base year</i>	<i>2018</i>	<i>2019</i>
Emissions of GHGs from Annex A sources		116 115 115		115 090 959	111 767 056
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol		8 242 817		3 853 261	3 802 988
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		–28 955 460		–32 357 040	–32 599 282
FMRL (t CO ₂ eq/year)		–15 793 000		–15 793 000	–15 793 000
Technical correction to FMRL (t CO ₂ eq/year)		NE		NE	NE
Net emissions or removals from LULUCF activities (excluding forest management) under Article 3, paragraph 4, of the Kyoto Protocol	–1 698 592	–1 330 603	–1 698 592	–1 280 805	–1 278 641

Table 149

Romania's total quantities of Kyoto Protocol units by account type at the end of 2019

<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	17 860 750	NO	8 578 507	NO	NO
Entity holding accounts	NO	9 975	NO	114 108	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	17 870 725	NO	8 692 615	NO	NO

Table 150

Romania's total quantities of Kyoto Protocol units by account type at the end of 2020

<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	17 860 750	NO	8 578 507	NO	NO
Entity holding accounts	NO	9 193	NO	73 324	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	782	NO	40 784	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	17 870 725	NO	8 692 615	NO	NO

Table 151
Romania's total transactions of Kyoto Protocol units in 2020

<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	782	NO	40 784	NO	NO
External transactions	NO	NO	NO	NO	NO	NO
Total transactions	NO	782	NO	40 784	NO	NO

XXXIII. Slovakia

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

70. Tables 152–156 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 152
Key initial accounting parameters under the Kyoto Protocol for Slovakia

<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, in 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

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

^b The assigned amounts of each EU member State, Iceland and the United Kingdom are equal to the emission levels agreed under the terms of the joint fulfilment agreement and the results of the application of Article 3, para. 7 bis, in the Doha Amendment for that member State, Iceland or the United Kingdom.

^c This difference is calculated on the basis of the joint assigned amount of the EU, its 27 member States, Iceland and the United Kingdom.

Table 153
Slovakia's emissions and removals of greenhouse gases in 2018 and 2019
 (t CO₂ eq)

<i>Parameter</i>	<i>2020 submission</i>		<i>2021 submission</i>		
	<i>Base year</i>	<i>2018</i>	<i>Base year</i>	<i>2018</i>	<i>2019</i>
Emissions of GHGs from Annex A sources		43 348 350		42 212 241	39 993 634
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol		–455 866		–455 866	–537 084
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		–4 566 144		–4 566 144	–5 157 619

Parameter	2020 submission		2021 submission		
	Base year	2018	Base year	2018	2019
FMRL (t CO ₂ eq/year)		-1 084 000		-1 084 000	-1 084 000
Technical correction to FMRL (t CO ₂ eq/year)		-2 459 000		-2 459 000	-2 606 000
Net emissions or removals from LULUCF activities (excluding forest management) under Article 3, paragraph 4, of the Kyoto Protocol	NA	NA	NA	NA	NA

Table 154
Slovakia's total quantities of Kyoto Protocol units by account type at the end of 2019

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

Table 155
Slovakia's total quantities of Kyoto Protocol units by account type at the end of 2020

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	

<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

Table 156
Slovakia's total transactions of Kyoto Protocol units in 2020

<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

XXXIV. Slovenia

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

72. Tables 157–161 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 157
Key initial accounting parameters under the Kyoto Protocol for Slovenia

<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, in 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

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

^b The assigned amounts of each EU member State, Iceland and the United Kingdom are equal to the emission levels agreed under the terms of the joint fulfilment agreement and the results of the application of Article 3, para. 7 bis, in the Doha Amendment for that member State, Iceland or the United Kingdom.

^c This difference is calculated on the basis of the joint assigned amount of the EU, its 27 member States, Iceland and the United Kingdom.

Table 158

Slovenia's emissions and removals of greenhouse gases in 2018 and 2019(t CO₂ eq)

Parameter	2020 submission		2021 submission		
	Base year	2018	Base year	2018	2019
Emissions of GHGs from Annex A sources		17 502 138		17 521 736	17 065 451
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol		236 906		236 611	238 160
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		865 921		1 579 575	395 726
FMRL (t CO ₂ eq/year)		-3 171 000		-3 171 000	-3 171 000
Technical correction to FMRL (t CO ₂ eq/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

Table 159

Slovenia's total quantities of Kyoto Protocol units by account type at the end of 2019

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

Table 160

Slovenia's total quantities of Kyoto Protocol units by account type at the end of 2020

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

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

Table 161
Slovenia's total transactions of Kyoto Protocol units in 2020

<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

XXXV. Spain

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

74. Tables 162–166 provide detailed information on 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 162
Key initial accounting parameters under the Kyoto Protocol for Spain

<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, in the Doha Amendment for the second commitment period ^b	1 766 877 232	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 Spain's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	79 341 275	t CO ₂ eq

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

^b The assigned amounts of each EU member State, Iceland and the United Kingdom are equal to the emission levels agreed under the terms of the joint fulfilment agreement and the results of the application of Article 3, para. 7 bis, in the Doha Amendment for that member State, Iceland or the United Kingdom.

^c This difference is calculated on the basis of the joint assigned amount of the EU, its 27 member States, Iceland and the United Kingdom.

Table 163

Spain's emissions and removals of greenhouse gases in 2018 and 2019(t CO₂ eq)

<i>Parameter</i>	<i>2020 submission</i>		<i>2021 submission</i>		
	<i>Base year</i>	<i>2018</i>	<i>Base year</i>	<i>2018</i>	<i>2019</i>
Emissions of GHGs from Annex A sources		334 255 164		333 250 407	314 528 511
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol		–4 881 976		–5 007 818	–4 531 877
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		–30 277 855		–30 794 510	–30 033 384
FMRL (t CO ₂ eq/year)		–23 100 000		–23 100 000	–23 100 000
Technical correction to FMRL (t CO ₂ eq/year)		NO		NO	NO
Net emissions or removals from LULUCF activities (excluding forest management) under Article 3, paragraph 4, of the Kyoto Protocol	–95 022	–3 164 011	–144 007	–3 300 302	–3 350 116

Table 164

Spain's total quantities of Kyoto Protocol units by account type at the end of 2019

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMU</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Party holding accounts	NO	1 842 444	NO	16 516 443	495 976	NO
Entity holding accounts	NO	308 658	NO	883 958	42 538	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	19 366	NO	840 386	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	

<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 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	2 170 468	NO	18 240 787	538 514	NO

Table 165

Spain's total quantities of Kyoto Protocol units by account type at the end of 2020

<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	1 842 444	NO	16 574 595	1 384 902	NO
Entity holding accounts	NO	308 658	NO	1 061 177	86 040	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	19 366	NO	1 139 308	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	2 170 468	NO	18 775 080	1 470 942	NO

Table 166

Spain's total transactions of Kyoto Protocol units in 2020

<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	559 088	932 428	NO
Total transactions	NO	NO	NO	559 088	932 428	NO
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	298 922	NO	NO
External transactions	NO	NO	NO	24 795	NO	NO
Total transactions	NO	NO	NO	323 717	NO	NO

XXXVI. Sweden

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

76. Tables 167–171 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 167

Key initial accounting parameters under the Kyoto Protocol for Sweden

<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, in 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

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

^b The assigned amounts of each EU member State, Iceland and the United Kingdom are equal to the emission levels agreed under the terms of the joint fulfilment agreement and the results of the application of Article 3, para. 7 bis, in the Doha Amendment for that member State, Iceland or the United Kingdom.

^c This difference is calculated on the basis of the joint assigned amount of the EU, its 27 member States, Iceland and the United Kingdom.

Table 168

Sweden’s emissions and removals of greenhouse gases in 2018 and 2019(t CO₂ eq)

<i>Parameter</i>	<i>2020 submission</i>		<i>2021 submission</i>		
	<i>Base year</i>	<i>2018</i>	<i>Base year</i>	<i>2018</i>	<i>2019</i>
Emissions of GHGs from Annex A sources		51 779 237		52 170 215	50 919 865
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol		1 299 651		2 225 085	2 189 210
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		–47 956 374		–42 802 508	–42 949 836
FMRL (t CO ₂ eq/year)		–41 336 099		–41 336 099	–41 336 099
Technical correction to FMRL (t CO ₂ eq/year)		7 878 248		8 535 999	8 535 999
Net emissions or removals from LULUCF activities (excluding forest management) under Article 3, paragraph 4, of the Kyoto Protocol	NA	NA	NA	NA	NA

Table 169

Sweden’s total quantities of Kyoto Protocol units by account type at the end of 2019

<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	12 053 487	NO	NO
Entity holding accounts	NO	NO	NO	1 809 454	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		

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Voluntary cancellation account	NO	NO	NO	5 571 425	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	19 434 366	NO	NO

Table 170
Sweden's total quantities of Kyoto Protocol units by account type at the end of 2020

<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	8 041 160	314 672	NO
Entity holding accounts	NO	NO	NO	2 015 039	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	13 110 414	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	23 166 613	314 672	NO

Table 171
Sweden's total transactions of Kyoto Protocol units in 2020

<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	4 241 096	314 672	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	4 241 096	314 672	NO
<i>Subtractions</i>						
Internal transactions	NO	NO	NO	7 538 989	NO	NO
External transactions	NO	NO	NO	508 849	NO	NO
Total transactions	NO	NO	NO	8 047 838	NO	NO

XXXVII. Switzerland

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

78. Tables 172–176 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 172

Key initial accounting parameters under the Kyoto Protocol for Switzerland

<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, in the Doha Amendment for the second commitment period	361 768 524	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	-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 GHG emissions in the base year defined under the Kyoto Protocol for the calculation of the assigned amount pursuant to Article 3, paras. 7 bis, 8 and 8 bis, in the Doha Amendment.

Table 173

Switzerland's emissions and removals of greenhouse gases in 2018 and 2019

(t CO₂ eq)

<i>Parameter</i>	<i>2020 submission</i>		<i>2021 submission</i>		
	<i>Base year</i>	<i>2018</i>	<i>Base year</i>	<i>2018</i>	<i>2019</i>
Emissions of GHGs from Annex A sources		46 417 921		46 478 008	46 216 973
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol		148 539		170 137	169 501
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		-1 278 366		-1 663 759	-2 649 057
FMRL (t CO ₂ eq/year)		220 000		220 000	220 000
Technical correction to FMRL (t CO ₂ eq/year)		-2 710 490		-2 136 090	-2 136 090
Net emissions or removals from LULUCF activities (excluding forest management) under Article 3, paragraph 4, of the Kyoto Protocol	NA	NA	NA	NA	NA

Table 174
Switzerland's total quantities of Kyoto Protocol units by account type at the end of 2019

<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	1 979 955	NO	NO
Entity holding accounts	NO	78 182 080	NO	24 356 130	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	5 794 523					
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	154 276	NO	7 474 766	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	5 794 523	78 336 356	NO	33 810 851	NO	NO

Table 175
Switzerland's total quantities of Kyoto Protocol units by account type at the end of 2020

<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	2 033 442	NO	NO
Entity holding accounts	NO	78 944 204	NO	27 877 033	NO	NO
Retirement account	NO	NO	NO	NO	NO	NO
Previous period surplus reserve account	5 794 523					
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	692 152	NO	13 053 681	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

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Total	5 794 523	79 636 356	NO	42 964 156	NO	NO

Table 176
Switzerland's total transactions of Kyoto Protocol units in 2020

Transaction type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
<i>Additions</i>						
Internal transactions		NO	NO			
External transactions	NO	1 300 000	NO	23 760 094	NO	NO
Total transactions	NO	1 300 000	NO	23 760 094	NO	NO
<i>Subtractions</i>						
Internal transactions	NO	537 876	NO	5 578 915	NO	NO
External transactions	NO	NO	NO	14 606 789	NO	NO
Total transactions	NO	537 876	NO	20 185 704	NO	NO

XXXVIII. Ukraine

79. Ukraine met all the eligibility criteria for the first commitment period of the Kyoto Protocol. Its eligibility to participate in all the flexibility mechanisms under the first commitment period of the Kyoto Protocol was established on 9 March 2012. Ukraine has not ratified the Doha Amendment, which entered into force on 31 December 2020.

80. Tables 177–181 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 177
Key initial accounting parameters under the Kyoto Protocol for Ukraine

Parameter	Value	Unit
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, in 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 GHG emissions in the base year defined under the Kyoto Protocol for the calculation of the assigned amount pursuant to Article 3, paras. 7 bis, 8 and 8 bis, in the Doha Amendment.

Table 178
Ukraine's emissions and removals of greenhouse gases in 2018 and 2019
(t CO₂ eq)

Parameter	2020 submission		2021 submission		
	Base year	2018	Base year	2018	2019
Emissions of GHGs from Annex A sources		339 244 285		339 797 892	332 114 021
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol		-2 487 995		-2 488 030	-2 378 262
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					

Parameter	2020 submission		2021 submission		
	Base year	2018	Base year	2018	2019
Net emissions or removals		-47 175 820		-47 256 859	-46 985 839
FMRL (t CO ₂ eq/year)		-48 700 000		-48 700 000	-48 700 000
Technical correction to FMRL (t CO ₂ eq/year)		-2 900 000		-4 600 000	-4 600 000
Net emissions or removals from LULUCF activities (excluding forest management) under Article 3, paragraph 4, of the Kyoto Protocol	-	NA	-	NA	NA

Table 179

Ukraine's total quantities of Kyoto Protocol units by account type at the end of 2019

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

Table 180

Ukraine's total quantities of Kyoto Protocol units by account type at the end of 2020

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					

<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	NO	NO	NO

Table 181
Ukraine's total transactions of Kyoto Protocol units in 2020

<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

XXXIX. United Kingdom of Great Britain and Northern Ireland

81. The United Kingdom of Great Britain and Northern Ireland¹¹ met all the eligibility criteria and became eligible to participate in all the flexibility mechanisms under the Kyoto Protocol on 11 April 2008.

82. Tables 182–186 provide detailed information on the United Kingdom'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 the United Kingdom

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base-year emissions ^a	803 191 325	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, in 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	224 824 677	t CO ₂ eq

¹¹ In 2017 the geographical coverage of the United Kingdom's inventory changed to exclude the territory of Bermuda.

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

^b The assigned amounts of each EU member State, Iceland and the United Kingdom are equal to the emission levels agreed under the terms of the joint fulfilment agreement and the results of the application of Article 3, para. 7 bis, in the Doha Amendment for that member State, Iceland or the United Kingdom.

^c This difference is calculated on the basis of the joint assigned amount of the EU, its 27 member States, Iceland and the United Kingdom.

Table 183

The United Kingdom's emissions and removals of greenhouse gases in 2018 and 2019(t CO₂ eq)

Parameter	2020 submission		2021 submission		
	Base year	2018	Base year	2018	2019
Emissions of GHGs from Annex A sources		465 160 689		465 893 277	452 321 765
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol		-1 159 100		-660 475	-612 231
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		-17 553 259		-16 036 877	-15 454 596
FMRL (t CO ₂ eq/year)		-8 268 000		-8 268 000	-8 268 000
Technical correction to FMRL (t CO ₂ eq/year)		-9 725 000		-8 375 000	-8 375 000
Net emissions or removals from LULUCF activities (excluding forest management) under Article 3, paragraph 4, of the Kyoto Protocol	8 226 734	6 768 221	23 782 151	18 951 764	18 921 896

Table 184

The United Kingdom's total quantities of Kyoto Protocol units by account type at the end of 2019

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding accounts	NO	NO	NO	70 491	NO	NO
Entity holding accounts	NO	633 302	NO	15 561 454	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	2 269 774	NO	3 259 735	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

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Total	NO	2 903 076	NO	18 891 680	NO	NO

Table 185

The United Kingdom's total quantities of Kyoto Protocol units by account type at the end of 2020

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMU</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Party holding accounts	NO	72 340	NO	286 904	NO	NO
Entity holding accounts	NO	9 923 828	NO	16 194 347	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	2 294 986	NO	8 692 041	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	12 291 154	NO	25 173 292	NO	NO

Table 186

The United Kingdom's total transactions of Kyoto Protocol units in 2020

<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	9 388 078	NO	12 784 636	NO	NO
Total transactions	NO	9 388 078	NO	12 784 636	NO	NO
<i>Subtractions</i>						
Internal transactions	NO	25212	NO	5 432 306	NO	NO
External transactions	NO	NO	NO	6 503 024	NO	NO
Total transactions	NO	25212	NO	11 935 330	NO	NO

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

83. 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 LULUCF activities under Article 3, paragraphs 3–4, 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.

A. Japan

84. Tables 187–190 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 187

Japan's emissions and removals of greenhouse gases in 2018 and 2019

(t CO₂ eq)

Parameter	2020 submission		2021 submission		
	Base year	2018	Base year	2018	2019
Emissions of GHGs from Annex A sources		1 240 405 733		1 247 127 234	1 211 551 739
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol		163 380		337 449	635 972
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		–45 360 922		–45 231 372	–41 598 343
FMRL (t CO ₂ eq/year)		0		0	0
Technical correction to FMRL (t CO ₂ eq/year)		1 820 665		1 762 531	1 899 694
Net emissions or removals from LULUCF activities (excluding forest management) under Article 3, paragraph 4, of the Kyoto Protocol	11 023 603	2 189 169	7 920 496	3 437 497	4 896 501

Table 188

Japan's total quantities of Kyoto Protocol units by account type at the end of 2019

Account type	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding accounts	NO	NO	NO	399 055	NO	NO
Entity holding accounts	NO	NO	NO	1 132 237	336 850	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	1 531 292	336 850	NO

Table 189

Japan's total quantities of Kyoto Protocol units by account type at the end of 2020

<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	615 848	50 174	NO
Entity holding accounts	NO	NO	NO	977 748	1 319 967	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	1 593 596	1 370 141	NO

Table 190

Japan's total transactions of Kyoto Protocol units in 2020

<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	62 304	1 033 291	NO
Total transactions	NO	NO	NO	62 304	1 033 291	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

B. New Zealand

85. Tables 191–195 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 191
Key initial accounting parameters under the Kyoto Protocol for New Zealand

<i>Parameter</i>	<i>Value</i>	<i>Unit</i>
Total base-year emissions ^a	65 828 380	t CO ₂ eq
Limitation on the additions to the New Zealand's assigned amount resulting from forest management under Article 3, paragraph 4, of the Kyoto Protocol	18 431 946	t CO ₂ eq

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

Table 192
New Zealand's emission and removals of greenhouse gases in 2018 and 2019
 (t CO₂ eq)

<i>Parameter</i>	<i>2020 submission</i>		<i>2021 submission</i>		
	<i>Base year</i>	<i>2018</i>	<i>Base year</i>	<i>2018</i>	<i>2019</i>
Emissions of GHGs from Annex A sources		78 858 671		80 574 672	82 313 578
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol		-15 447 044		-14 927 676	-12 905 443
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		-13 898 936		-18 509 339	-20 665 275
FMRL (t CO ₂ eq/year)		11 150		11 150	11 150
Technical correction to FMRL (t CO ₂ eq/year)		-17 500		-21 860	-21 860
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

Table 193
New Zealand's total quantities of Kyoto Protocol units by account type at the end of 2019

<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

<i>Account type</i>	<i>AAUs</i>	<i>ERUs</i>	<i>RMUs</i>	<i>CERs</i>	<i>tCERs</i>	<i>ICERs</i>
Total	NO	NO	NO	NO	NO	NO

Table 194

New Zealand's total quantities of Kyoto Protocol units by account type at the end of 2020

<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

Table 195

New Zealand's total transactions of Kyoto Protocol units in 2020

<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

C. Russian Federation

86. Table 196 provides detailed information on the Russian Federation's GHG emissions and removals.

Table 196

The Russian Federation's emissions and removals of greenhouse gases in 2018 and 2019(t CO₂ eq)

<i>Parameter</i>	<i>2020 submission</i>		<i>2021 submission</i>		
	<i>Base year</i>	<i>2018</i>	<i>Base year</i>	<i>2018</i>	<i>2019</i>
Emissions of GHGs from Annex A sources		2 220 122 955		2 133 581 603	2 119 432 414
Net emissions or removals from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol		-3 143 023		IE, NA, NO	IE, NA, NO
Forest management under Article 3, paragraph 4, of the Kyoto Protocol					
Net emissions or removals		-487 210 642		IE, NA, NO	IE, NA, NO
FMRL (t CO ₂ eq/year)				NA	NA
Technical correction to FMRL (t CO ₂ eq/year)		-16 607 725		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