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COMPLIANCE COMMITTEE

CC/ERT/ASR/2017/33

21 July 2017

## **Status report of the annual inventory of the Russian Federation**

### **Note by the secretariat**

The status report of the annual inventory of the Russian Federation was published on 31 May 2017. For purposes of rule 10, paragraph 2, of the Rules of procedure of the Compliance Committee (annex to decision 4/CMP.2, as amended by decisions 4/CMP.4 and 8/CMP.9), the report is considered received by the secretariat on the same date. This report, FCCC/ASR/2017/RUS, contained in the annex to this note, is being forwarded to the Compliance Committee in accordance with section VI, paragraph 3, of the annex to decision 27/CMP.1 and paragraph 49 of the annex to decision 22/CMP.1.



## Status report of the annual inventory of the Russian Federation

1. This status report was prepared by the secretariat pursuant to decision 22/CMP.1 in conjunction with decision 4/CMP.11, as part of the initial check of the annual inventory of the Russian Federation, submitted in accordance with decisions 24/CP.19 and 15/CMP.1 in conjunction with decisions 3/CMP.11 and 2/CMP.8. It reflects the content of the 2017 inventory submission as submitted by the Party (dates of submission are provided in the tables on pages 2 and 3).

2. In this report, the following abbreviations are used:

CRF: common reporting format

GHG: greenhouse gas

HWP: harvested wood products

KP-LULUCF: LULUCF emissions and removals from activities under Article 3, paragraphs 3 and 4, of the Kyoto Protocol

LULUCF: land use, land-use change and forestry

IPPU: industrial processes and product use

NIR: national inventory report

SBDT: sectoral background data tables

SEF: standard electronic format

SWDS: solid waste disposal sites

*Kyoto Protocol units*

AAU: assigned amount unit

ERU: emission reduction unit

RMU: removal unit

CER: certified emission reduction

ICER: long-term certified emission reduction

tCER: temporary certified emission reduction

*Notation keys*

C: confidential

IE: included elsewhere

NA: not applicable

NE: not estimated

NO: not occurring

*Gases*

CO<sub>2</sub>: carbon dioxide

CH<sub>4</sub>: methane

N<sub>2</sub>O: nitrous oxide

HFCs: hydrofluorocarbons

PFCs: perfluorocarbons

MIX: Unspecified mix of HFCs and PFCs

SF<sub>6</sub>: sulphur hexafluoride

NF<sub>3</sub>: nitrogen trifluoride

NO<sub>x</sub>: nitrogen oxides

CO: carbon monoxide

NMVOCs: non-methane volatile organic compounds

SO<sub>2</sub>: sulphur dioxide



GREENHOUSE GAS INVENTORY SUBMISSION																																				
	Date of receipt			Date of resubmission				Comments																												
General information	NIR																																			
	CRF tables <sup>a</sup>																																			
	Additional information <sup>b</sup>																																			
	CRF tables provided for years																																			
	Base year or period <sup>c</sup>																																			
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">1990</td> <td colspan="4">Base year for HFCs, PFCs and SF<sub>6</sub><sup>d</sup></td> <td colspan="4">1995</td> <td colspan="4">Base year for NF<sub>3</sub><sup>e</sup></td> </tr> </table>													1990	Base year for HFCs, PFCs and SF <sub>6</sub> <sup>d</sup>				1995				Base year for NF <sub>3</sub> <sup>e</sup>													
	1990	Base year for HFCs, PFCs and SF <sub>6</sub> <sup>d</sup>				1995				Base year for NF <sub>3</sub> <sup>e</sup>																										
Gases covered																																				
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">CO<sub>2</sub></td> <td style="width: 10%;">CH<sub>4</sub></td> <td style="width: 10%;">N<sub>2</sub>O</td> <td style="width: 10%;">HFCs</td> <td style="width: 10%;">PFCs</td> <td style="width: 10%;">MIX</td> <td style="width: 10%;">SF<sub>6</sub></td> <td style="width: 10%;">NF<sub>3</sub></td> <td style="width: 10%;">NO<sub>x</sub></td> <td style="width: 10%;">CO</td> <td style="width: 10%;">NMVOCs</td> <td style="width: 10%;">SO<sub>2</sub></td> </tr> <tr> <td style="text-align: center;">✓</td> <td style="text-align: center;">✓</td> <td style="text-align: center;">✓</td> <td style="text-align: center;">✓</td> <td style="text-align: center;">✓</td> <td style="text-align: center;">✓</td> <td style="text-align: center;">✓</td> <td style="text-align: center;">✓</td> <td style="text-align: center;">✓</td> <td style="text-align: center;">✓</td> <td style="text-align: center;">✓</td> <td style="text-align: center;">✓</td> </tr> </table>													CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O	HFCs	PFCs	MIX	SF <sub>6</sub>	NF <sub>3</sub>	NO <sub>x</sub>	CO	NMVOCs	SO <sub>2</sub>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O	HFCs	PFCs	MIX	SF <sub>6</sub>	NF <sub>3</sub>	NO <sub>x</sub>	CO	NMVOCs	SO <sub>2</sub>																									
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓																									
NIR	Description																																			
	Language of NIR																																			
CRF tables	Source categories accounting for 7% or more of Party's aggregate emissions from sources included in Annex A to the Kyoto Protocol				No missing source category accounting for 7 per cent of more has been identified																															

<sup>a</sup> CRF tables are contained in annex II to decision 24/CP.19.

<sup>b</sup> Additional information can be any information submitted by a Party in conjunction with the NIR or CRF tables.

<sup>c</sup> Parties included in Annex I to the Convention undergoing the process of transition to a market economy may use a base year or a period of years other than 1990, in accordance with the provisions of Article 4, paragraph 6, of the Convention and decisions 9/CP.2 and 11/CP.4.

<sup>d</sup> A Party may select 1995 as the base year for HFC, PFC and SF<sub>6</sub> gases in accordance with Article 3, paragraph 8, of the Kyoto Protocol.

<sup>e</sup> A Party may select 1995 or 2000 as the base year for NF<sub>3</sub> in accordance with Article 3, paragraph 8 bis of the Doha Amendment.

<sup>f</sup> In accordance with decision 15/CMP.1, para. 3(b), in conjunction with decision 3/CMP.11.

SUBMISSION OF SUPPLEMENTARY INFORMATION UNDER ARTICLE 7, PARAGRAPH 1, OF THE KYOTO PROTOCOL				
Reporting of supplementary information		Date of receipt	Date of resubmission	Comments
	KP-LULUCF information <sup>a</sup>			
	KP-LULUCF CRF tables <sup>b</sup>	14 April 2017		KP-LULUCF CRF tables provided for years 1990–2015
	Information on Kyoto units (ERUs, CERs, RMUs and AAUs) <sup>c</sup>			
	SEF tables <sup>d</sup> with Kyoto Protocol units			
	Changes in national system <sup>e</sup>			
	Changes in national registry <sup>e</sup>			
	Minimization of adverse impacts <sup>e</sup>			

<sup>a</sup> Parties are required to include in their annual submission information on anthropogenic GHG emissions by sources and removals by sinks from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol, and, if any, elected activities under Article 3, paragraph 4, in accordance with decision 2/CMP.8, annex II, paragraphs 1–5.

<sup>b</sup> Parties are required to report anthropogenic GHG emissions by sources and removals by sinks from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol, forest management and, if any, elected activities under Article 3, paragraph 4. Parties may also elect to report these tables for the base year or 1990.

<sup>c</sup> Parties are required to include in their annual submission information on ERUs, CERs, tCERs, ICERs, AAUs and RMUs, in accordance with decision 15/CMP.1, annex, chapter I.E, in conjunction with annex II to decision 3/CMP.11.

<sup>d</sup> SEF tables for reporting Kyoto Protocol units, as required by annex II to decision 3/CMP.11.

<sup>e</sup> The requirements for Parties to report on changes in national systems in accordance with Article 5, paragraph 1, of the Kyoto Protocol, changes in national registries, and the minimization of adverse impacts in accordance with Article 3, paragraph 14, of the Kyoto Protocol, are set out in decision 15/CMP.1, annex, chapters I.F, I.G and I.H respectively, in conjunction with annex II to decision 3/CMP.11.

PART I												
Provision of information for the latest reported inventory year in the common reporting format: 2015												
	Energy		IPPU		Agriculture		LULUCF		KP-LULUCF <sup>a</sup>		Waste	
	Sectoral report tables	1	✓	2(I)	✓	3	✓	4	✓	NIR-1	✓	5
			2(II)	✓								
Sectoral background data tables	1.A(a)	✓	2(I).A-H	✓	3.A	✓	4.1	✓	NIR-2	✓	5.A	✓
	1.A(b)	✓	2(II).B-H	✓	3.B(a)	✓	4.A	✓	NIR-3	✓	5.B	✓
	1.A(c)	✓			3.B(b)	✓	4.B	✓	4(KP) Recalculations		5.C	✓
	1.A(d)	✓			3.C	✓	4.C	✓	4(KP)	✓	5.D	✓
	1.B.1	✓			3.D	✓	4.D	✓	4(KP-I)A.1	✓		
	1.B.2	✓			3.E	✓	4.E	✓	4(KP-I)A.1.1	✓		
	1.C	✓			3.F	✓	4.F	✓	4(KP-I)A.2	✓		
	1.D	✓			3.G-I	✓	4(I)	✓	4(KP-I)A.2.1	✓		
							4(II)	✓	4(KP-I)B.1	✓		
							4(III)	✓	4(KP-I)B.1.1	✓		
							4(IV)	✓	4(KP-I)B.1.2	✓		
							4(V)	✓	4(KP-I)B.1.3	✓		
									4(KP-I)B.2	✓		
									4(KP-I)B.3	✓		
									4(KP-I)B.4	✓		
								4(KP-I)B.5	✓			
								4(KP-I)C	✓			
								4(KP-II)1	✓			
								4(KP-II)2	✓			

Tables

PART I									
Provision of information for the latest reported inventory year in the common reporting format: 2015 (continued)									
						4(KP-II)3	✓		
						4(KP-II)4	✓		
						Accounting table	✓		
	Summary tables	Summary table 1.A	✓	Summary table 2	✓	Summary table 3		✓	
	Other tables	Table 6 (Indirect emissions of N <sub>2</sub> O and CO <sub>2</sub> )	✓	Table 7 (Key categories)	✓	Table 8 (Recalculation)			
Table 9 (Completeness)		✓	Table 10 (Emission trends)	✓					
Comments									
Totals	Provided for gases	CO <sub>2</sub> ✓	CH <sub>4</sub> ✓	N <sub>2</sub> O ✓	HFCs ✓	PFCs ✓	MIX ✓	SF <sub>6</sub> ✓	NF <sub>3</sub> ✓
	Provided for years	1990–2015	1990–2015	1990–2015	1990–2015	1990–2015	1990–2015	1990–2015	1990–2015
CO <sub>2</sub>	Comparison of CO <sub>2</sub> emissions from fuel combustion	Reference approach	Sectoral approach	Difference more than 2%	If difference is more than 2% explanation provided in CRF table 1.A(c)				
		✓	✓	✓					
HFCs and PFCs	Disaggregation by species	HFCs		PFCs					
		✓		✓					
Notation keys	Used in	Summary table 1.A	✓	Sectoral report tables	✓	Sectoral background data tables		✓	
	Comments								

<sup>a</sup> Parties are required to report anthropogenic GHG emissions by sources and removals by sinks from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol, and, if any, elected activities under Article 3, paragraph 4, using the agreed CRF tables adopted under decision 6/CMP.9.

PART II																					
Provision of common reporting format tables for years reported																					
		Years														Comments					
		Base year <sup>a</sup>	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014		2015				
Energy	Sectoral report: Table 1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
	SBDT	Table 1.A(a)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Table 1.A(b)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Table 1.A(c)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Table 1.A(d)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Table 1.B.1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Table 1.B.2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 1.C	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	No numerical data are reported in this table for the years 1990–2015. For the years 1990–2014 the notation keys NA and NO are used. For the years 2015 the notation key NO is used.	
		Table 1.D	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
IPPU	Sectoral reports:	Table 2(I)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Table 2(II)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	SBDT	Table 2(I).A–H	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 2(II).B–H	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	

**PART II**

**Provision of common reporting format tables for years reported (continued)**

		Years														Comments	
		Base year <sup>a</sup>	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014		2015
Agriculture SBDT	Sectoral report: Table 3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Table 3.A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Table 3.B(a)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Table 3.B(b)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Table 3.C	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Table 3.D	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Table 3.E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	No numerical data are reported in this table for the years 1990–2015. For these years the notation key NO is used.
	Table 3.F	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	No numerical data are reported in this table for the years 1990–2015. For these years the notation keys NA and NO are used.
	Table 3.G-I	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	



PART II																		
Provision of common reporting format tables for years reported (continued)																		
	Base year <sup>a</sup>	Years														Comments		
		1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015			
Sectoral report: Table 4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
LULUCF	SBDT	Table 4.1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 4.A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 4.B	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 4.C	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 4.D	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 4.E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 4.F	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 4.G	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 4(I)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	No numerical data are reported in this table for the years 1990–2015. For these years the notation key NO is used.
		Table 4(II)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 4(III)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 4(IV)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 4(V)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	

**PART II**

**Provision of common reporting format tables for years reported (continued)**

		Years				Comments	
		Base year <sup>a</sup>	2013	2014	2015		
KP-LULUCF	Sectoral report:	Table NIR-1	✓	✓	✓	✓	
		Table NIR-2	✓	✓	✓	✓	
		Table NIR-3	✓	✓	✓	✓	
		Table 4(KP) Recalculations	✓	✓	✓		
		Table 4(KP)	✓	✓	✓	✓	
	SBDT	Table 4(KP-I)A.1	✓	✓	✓	✓	
		Table 4(KP-I)A.1.1	✓	✓	✓	✓	No numerical data are reported in this table for the years 1990, 2013–2015. For these years the notation keys NA and NO are used.
		Table 4(KP-I)A.2	✓	✓	✓	✓	
		Table 4(KP-I)A.2.1	✓	✓	✓	✓	No numerical data are reported in this table for the years 1990, 2013–2015. For these years the notation key NA is used.
		Table 4(KP-I)B.1	✓	✓	✓	✓	
		Table 4(KP-I)B.1.1	✓	✓	✓	✓	
		Table 4(KP-I)B.1.2	✓	✓	✓	✓	No numerical data are reported in this table for the years 1990, 2013–2015. For these years the notation key NA is used.

PART II						
Provision of common reporting format tables for years reported (continued)						
		Years				
		Base year <sup>a</sup>	2013	2014	2015	Comments
	Table 4(KP-I)B.1.3	✓	✓	✓	✓	No numerical data are reported in this table for the years 1990, 2013–2015. For these years the notation key NA is used.
	Table 4(KP-I)B.2	✓	✓	✓	✓	No numerical data are reported in this table for the years 1990, 2013–2015. For these years the notation key NA is used.
	Table 4(KP-I)B.3	✓	✓	✓	✓	No numerical data are reported in this table for the years 1990, 2013–2015. For these years the notation key NA is used.
	Table 4(KP-I)B.4	✓	✓	✓	✓	No numerical data are reported in this table for the years 1990, 2013–2015. For these years the notation key NA is used.
	Table 4(KP-I)B.5	✓	✓	✓	✓	No numerical data are reported in this table for the years 1990, 2013–2015. For these years the notation key NA is used.
	Table 4(KP-I)C	✓	✓	✓	✓	
	Table 4(KP-II)1	✓	✓	✓	✓	No numerical data are reported in this table for the years 1990, 2013–2015. For these years the notation keys NA and NO are used.
	Table 4(KP-II)2	✓	✓	✓	✓	
	Table 4(KP-II)3	✓	✓	✓	✓	No numerical data are reported in this table for the years 1990, 2013–2015. For these years the notation keys NA and NO are used.
	Table 4(KP-II)4	✓	✓	✓	✓	
	Table Accounting	✓	✓	✓	✓	

PART II																		
Provision of common reporting format tables for years reported (continued)																		
		Years															Comments	
		Base year <sup>a</sup>	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015		
Waste	SBDT	Sectoral report: Table 5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 5.A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 5.B	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 5.C	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	No numerical data are reported in this table for the years 1990–2015. For these years the notation keys IE and NO are used.
		Table 5.D	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	

PART II																	
Provision of common reporting format tables for years reported (continued)																	
		Years															
		Base year <sup>a</sup>	1990	1991	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	Comments
Summary and other tables	Summary table 1.A (Report for national GHG inventories)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Summary table 2 (CO <sub>2</sub> equivalent emissions)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Summary table 3 (Methods/emission factors)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Table 6 (Indirect emissions of N <sub>2</sub> O and CO <sub>2</sub> )	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Table 7 (Key categories)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Table 8 (Recalculation – recalculated data)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Table 9 (Completeness)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Table 10 (Trends)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	

<sup>a</sup> Parties included in Annex I to the Convention undergoing the process of transition to a market economy may use a base year or a period of years other than 1990, in accordance with the provisions of Article 4, paragraph 6, of the Convention and decision 24/CP.19.

PART III						
Provision of information relating to recalculations						
Table 8 (Recalculated data)	✓	Comments				
Recalculation reported for years	1990–2014					
Recalculated sectors/gases	Energy	IPPU	Agriculture	LULUCF	Waste	KP-LULUCF
CO <sub>2</sub>	✓	✓		✓		✓
CH <sub>4</sub>	✓		✓	✓	✓	
N <sub>2</sub> O	✓		✓	✓	✓	
HFCs		✓				
PFCs						
Unspecified mix of HFCs and PFCs						
SF <sub>6</sub>						
NF <sub>3</sub>						
Percentage difference in aggregate GHG emissions	Base-year estimate: <sup>a</sup>	Including LULUCF:	0.01%	Excluding LULUCF:	-0%	
	Latest recalculated year: <sup>b</sup>	Including LULUCF:	-2.88%	Excluding LULUCF:	-0.18%	

<sup>a</sup> Parties included in Annex I to the Convention undergoing the process of transition to a market economy are allowed to use a base year or a period of years other than 1990, in accordance with the provisions of Article 4, paragraph 6, of the Convention and decision 24/CP.19.

<sup>b</sup> The latest recalculated year is the submission year minus three years.

PART IV				
Provision of information relating to KP-LULUCF activities under Article 3, paragraphs 3 and 4, of the Kyoto Protocol				
		<i>Provided</i>	<i>Observation</i>	
Reporting requirements under decision 2/CMP.8, annex II, paragraphs 1-5	Emissions by sources and removals by sinks are clearly distinguished from emissions from categories included in Annex A to the Kyoto Protocol			
	Information on how inventory methodologies have been applied taking into account the <i>2006 IPCC Guidelines for National Greenhouse Gas Inventories</i> and any relevant supplementary guidance recognizing the principles laid out in decision 16/CMP.1.			
	Information on the geographical location of the boundaries of areas that encompass:			
		Units of land subject to activities under Article 3, paragraph 3		
		Units of land subject to activities under Article 3, paragraph 3, which would otherwise be included in land subject to forest management or elected activities under Article 3, paragraph 4		
		Land subject to forest management or elected activities under Article 3, paragraph 4		
	Information on the spatial assessment unit for determining the area of accounting for afforestation, reforestation and deforestation			
	Information on GHG emissions/removals resulting from activities under Article 3, paragraph 3, and Article 3, paragraph 4, for all geographical locations reported in the current and previous years since the beginning of the commitment period or the onset of the activity, whichever comes later.			
	Information on carbon pools (above-ground/below-ground biomass, litter, dead wood and soil organic carbon) that are not accounted for.			
	When a Party applies the provisions for natural disturbances, information demonstrating that these emissions in any single year exceed the background level(s), including a margin, where needed. For this purpose the Party shall include information showing:			
		That all lands subject to exclusion due to natural disturbances are identified		
		How annual emissions resulting from natural disturbances and the subsequent removals are estimated and excluded from accounting		
		That no land-use change has occurred on lands for which the provisions in decision 2/CMP.7, annex, paragraph 33, are applied		

<b>PART IV</b>		
<b>Provision of information relating to KP-LULUCF activities under Article 3, paragraphs 3 and 4, of the Kyoto Protocol (continued)</b>		
	<i>Provided</i>	<i>Observation</i>
	That events and circumstances were beyond the control of the Party	
	The efforts taken to rehabilitate the land for which the provisions contained in decision 2/CMP.7, annex, paragraph 33, are applied	
	That emissions associated with salvage logging were not excluded from accounting	
	If not accounted for by instantaneous oxidation, information on GHG emissions/removals resulting from changes in the HWP pool accounted for in accordance with decision 2/CMP.7, including:	
	Activity data for the HWP categories used for estimating the pool removed from domestic forests, for domestic consumption and for export	
	Half-lives used in estimating emissions/removals for the HWP categories used	
	Whether emissions from HWP originating from forests prior to the start of the second commitment period have been included in the accounting, if the forest management reference level is based on a projection	
	How emissions from the HWP pool accounted for in the first commitment period on the basis of instantaneous oxidation have been excluded from the accounting for the second commitment period	
	How the HWP resulting from deforestation have been accounted on the basis of instantaneous oxidation	
	How CO <sub>2</sub> emissions from HWP in SWDS and from wood harvested for energy purposes have been accounted on the basis of instantaneous oxidation	
	How emissions/removals from changes in the HWP pool accounted for do not include imported HWP	
	Information on anthropogenic GHGs from LULUCF activities under Article 3, paragraph 3, and Article 3, paragraph 4, factoring out removals from:	
	Elevated CO <sub>2</sub> concentrations above pre-industrial levels	
	Indirect nitrogen deposition	



PART IV			
Provision of information relating to KP-LULUCF activities under Article 3, paragraphs 3 and 4, of the Kyoto Protocol (continued)			
		<i>Provided</i>	<i>Observation</i>
		The dynamic effects of age structure resulting from activities prior to 1 January 1990	
		Specific information to be reported for activities under Article 3, paragraph 3:	
		Activities under Article 3, paragraph 3, that began on or after 1 January 1990 and before 31 December of the last year of the commitment period, and are directly human-induced	
		How harvesting or forest disturbance that is followed by the re-establishment of forest is distinguished from deforestation	
		Specific information to be reported for activities under Article 3, paragraph 4:	
		Activities under Article 3.4 that occurred since 1 January 1990 and are human induced	
		Cropland management, grazing land management, revegetation, wetland drainage and rewetting: emissions/removals reported for each year of the commitment period and for the base year for each of the elected activities on the geographical locations reported	
		Emissions/removals from activities under Article 3, paragraph 4, are not accounted for under activities under Article 3, paragraph 3	
		Information on how emissions arising from the conversion of natural forests to planted forests are accounted for	
		Methodological consistency between the reference level and reporting for forest management	
		Technical corrections made pursuant to decision 2/CMP.7, annex, paragraph 14	
		Forest management: if emissions/removals from the harvest and conversion of forest plantations to non-forest land were included, information how requirements set out in decision 2/CMP.7, annex, paragraphs 37–39 were met, including:	
		The identification of all lands and associated carbon pools subject to decision 2/CMP.7, annex, paragraph 37, including the georeferenced location and year of conversion	
		A demonstration that the forest plantation was first established through direct human-induced planting and/or seeding of non-forest land before 1 January 1990, and, if the forest plantation was re-established, that this last occurred on forest land through direct human-induced planting and/or seeding after 1 January 1960	

<b>PART IV</b>				
<b>Provision of information relating to KP-LULUCF activities under Article 3, paragraphs 3 and 4, of the Kyoto Protocol (continued)</b>				
			<i>Provided</i>	<i>Observation</i>
			A demonstration that a new forest of at least equivalent area to the harvested forest plantation is established through direct human-induced planting and/or seeding of non-forested land that did not contain forest on 31 December 1989	
			A demonstration that this newly established forest will reach at least the equivalent carbon stock that was contained in the harvested forest plantation at the time of harvest, within the normal harvesting cycle of the harvested forest plantation, and, if not, a debit would be generated under Article 3, paragraph 4	

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