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English only

## Status report of the annual inventory of Luxembourg

- 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 Luxembourg's annual inventory, 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

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

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

GE.17-08668(E)





			GRI	EENHO	OUSE GAS	INVEN	NTORY	SUBMIS	SION					
		Date of	receipt		Date of rest	ıbmissio.	n	Commen	its					
	NIR	6 Apri	1 2017											
	CRF tables <sup>a</sup>	6 Apri	1 2017											
information	Additional information <sup>b</sup>													
neral info	CRF tables provided for years  Base year or period <sup>c</sup>	1990–	2015											
e <sub>S</sub>	Base year or period <sup>c</sup>	1990	Base : PFCs	year fo	or HFCs, F <sub>6</sub> <sup>d</sup>	1	995			Bas NF	e year	for	1995	
	Gases covered	$CO_2$	CH <sub>4</sub>	N <sub>2</sub> O	HFCs	PFCs	MIX	$SF_6$	NF <sub>3</sub>	$NO_X$	СО	NN	/IVOCs	$SO_2$
		<b>√</b>	<b>√</b>	<b>√</b>	✓	✓	✓	✓	<b>√</b>	✓	✓	<b>√</b>		✓
NIR	Description	The or Annex	ganizat I inver	ion of itory r	the NIR eporting	genera guideli	lly follones.	ows the	structu	ıre outli	ned in t	he U	NFCCC	
1	Language of NIR	Englis	h											
CRF <sup>g</sup> tables	Source categories accomore of Party's aggreg sources included in Ar Protocol	gate em	issions	from	No miss identifie		irce cat	tegory a	ecount	ing for 7	per ce	ent of	more ha	s been

- <sup>a</sup> CRF tables are contained in annex II to decision 24/CP.19.
- b 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.
- $^d$  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.
  - f "UNFCCC reporting guidelines on annual inventories for Parties included in Annex I to the Convention" (decision 24/CP.19).
  - <sup>g</sup> In accordance with decision 15/CMP.1, para. 3(b), in conjunction with decision 3/CMP.11.

S	UBMISSION OF SUPPLEMENTARY INF	ORMATION UNDE	CR ARTICLE 7, PARA	GRAPH 1, OF THE KYOTO PROTOCOL
		Date of receipt	Date of resubmission	Comments
	KP-LULUCF information <sup>a</sup>	6 April 2017		NIR chapter 11
ormation	KP-LULUCF CRF tables <sup>b</sup>	6 April 2017		KP-LULUCF CRF 1990–2015 tables provided for years
entary inf	Information on Kyoto units (ERUs, CERs, RMUs and AAUs) <sup>c</sup>	6 April 2017		NIR chapter 12
Reporting of supplementary information	SEF tables <sup>d</sup> with Kyoto Protocol units	26 April 2017	15 May 2017	Year reported: 2016; SEF table for CP1 (reporting year 2016) submitted on 15 May 2017
Report	Changes in national system <sup>e</sup>	6 April 2017		NIR chapter 13
	Changes in national registry <sup>e</sup>	6 April 2017		NIR chapter 14
	Minimization of adverse impacts <sup>e</sup>	6 April 2017		NIR chapter 15

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

<sup>&</sup>lt;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.

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	Energy 1	<b>√</b>	IPPU	<b>√</b>	Agricult	ure ✓	LULUC 4	CF ✓	KP-LULUCF <sup>a</sup> NIR-1	<b>√</b>	Waste 5	<b>√</b>
Sectoral report tables	1		2(I)	ľ	3		4	•	NIK-1	ľ	5	V
			2(II)	✓								
Sectoral	1.A(a)	✓	2(I).A-H	<b>~</b>	3.A	✓	4.1	✓	NIR-2	<b>✓</b>	5.A	<b>√</b>
background data tables	1.A(b)	✓	2(II).B-H	<b>√</b>	3.B(a)	✓	4.A	✓	NIR-3	<b>√</b>	5.B	✓
	1.A(c)	<b>√</b>			3.B(b)	✓	4.B	<b>√</b>	4(KP) Recalculations		5.C	<b>√</b>
	1.A(d)	✓			3.C	✓	4.C	✓	4(KP)	✓	5.D	✓
	1.B.1	✓			3.D	✓	4.D	✓	4(KP-I)A.1	<b>√</b>		
	1.B.2	✓			3.E	✓	4.E	✓	4(KP-I)A.1.1	✓		
	1.C	✓			3.F	<b>✓</b>	4.F	<b>√</b>	4(KP-I)A.2	<b>✓</b>		
	1.D	✓			3.G-I	<b>√</b>	4(I)	<b>√</b>	4(KP-I)A.2.1	<b>√</b>		
							4(II)	<b>√</b>	4(KP-I)B.1	✓		
r and the second							4(III)	<b>✓</b>	4(KP-I)B.1.1	<b>√</b>		
							4(IV)	<b>√</b>	4(KP-I)B.1.2	<b>✓</b>		
							4(V)	<b>✓</b>	4(KP-I)B.1.3	<b>~</b>		
									4(KP-I)B.2	<b>✓</b>		
									4(KP-I)B.3	<b>✓</b>		
									4(KP-I)B.4	<b>✓</b>		
									4(KP-I)B.5	<b>✓</b>		
									4(KP-I)C	<b>✓</b>		
									4(KP-II)1	<b>√</b>		

	Provis	ion of ir	nformation	for the late	est repor	PAI ted inventory			mon	reporting	format: 20	15 (c	continued)	
										4(KP-	II)3	✓		
										4(KP-	II)4	✓		
										Accou table	nting	✓		
	Summary tables	Summai 1.A	ry table	<b>√</b>	Summar	ry table 2		✓		Summ	ary table 3			✓
	Other tables	Table 6 (Indirect emissio N <sub>2</sub> O and	et ons of	<b>√</b>	Table 7	(Key categori	es)	<b>✓</b>		Table	8 (Recalcula	ation)	)	
		Table 9 (Comple	eteness)	<b>√</b>	Table 10 trends)	(Emission		<b>√</b>						
	Comments	Key cate of aggre	-	reported in t	he NIR v	with difference	es co	ompared to Cl	RF T	able 7 that	may lead to	inco	nsistencies, e	g. in the level
Totals	Provided for	gases	CO₂ ✓	СН₄ •		N₂O ✓	H	FCs 🗸	PFO	Cs ✓	MIX 🗸		SF <sub>6</sub> ✓	NF <sub>3</sub> ✓
I	Provided for	years	1990–201	15 1990-	-2015	1990–2015	1	990–2015	199	90–2015	1990–201	5	1990–2015	1990–2015
02	Comparison $CO_2$ emission from fuel		Reference	approach	Sectora			ference more n 2%		If differen in CRF ta		than	2% explana	tion provided
	combustion		✓		✓									
	Disaggregat species	ion by	HFCs ✓			PFCs ✓								
Notation keys	Used in		Summary	table 1.A	~	Sectoral r	ерог	rt tables		V	Sectoral data tab		kground	<b>V</b>
I	Comments													

<sup>&</sup>lt;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.

Table 2(II).B–H

										Pro	visio	n of	comi	non :	repoi	rting		ART II mat tables for years reported (continued)
			Π						Ye	ears								
			Base year <sup>a</sup>	0661	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	Comments
	Secto	ral report: Table 3	✓	✓	✓	✓	✓	✓	<b>~</b>	✓	✓	✓	✓	✓	✓	<b>V</b>	✓	
		Table 3.A	✓	✓	<b>√</b>	✓	✓	<b>√</b>	✓	✓	✓	✓	✓	✓	✓	<b>√</b>	✓	
		Table 3.B(a)	<b>√</b>	<b>√</b>	<b>√</b>	✓	<b>√</b>	<b>√</b>	<b>√</b>	✓	✓	✓	✓	✓	<b>√</b>	<b>√</b>	✓	
		Table 3.B(b)	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>V</b>	<b>√</b>	<b>√</b>	✓	<b>√</b>	✓	<b>√</b>	<b>√</b>	<b>√</b>	✓	
Agriculture		Table 3.C	<b>√</b>	<b>√</b>	<b>✓</b>	<b>√</b>	<b>√</b>	<b>~</b>	<b>√</b>	✓	✓	<b>√</b>	✓	<b>√</b>	<b>√</b>	✓	✓	No numerical data are reported in this table for the years 1990–2015. For these years the notation keys NA and NO are used.
Agr	SBDT	Table 3.D	<b>√</b>	✓	<b>V</b>	✓	✓	<b>V</b>	<b>✓</b>	✓	<b>√</b>	✓	✓	<b>√</b>	<b>√</b>	✓	✓	
		Table 3.E	<b>√</b>	<b>√</b>	<b>√</b>	✓	<b>√</b>	<b>√</b>	✓	✓	✓	✓	✓	✓	<b>√</b>	<b>√</b>	✓	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.F	<b>√</b>	<b>√</b>	<b>√</b>	✓	<b>√</b>	<b>V</b>	<b>~</b>	✓	<b>√</b>	✓	✓	✓	<b>√</b>	<b>✓</b>	✓	
		Table 3.G-I	<b>✓</b>	✓	<b>V</b>	✓	<b>√</b>	<b>V</b>	<b>√</b>	✓	<b>√</b>	<b>√</b>	✓	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	

																		ART II
			I							Pro	visio	n of	comi	non :	repo	rting	forn	nat tables for years reported (continued)
								ı	Ye	ars	1	ı						
			Base year <sup>a</sup>	0661	1995	2000	2005	2006	2007	2008	5005	2010	2011	2012	2013	2014	2015	Comments
	Sect	oral report: Table 4	✓	✓	✓	✓	<b>√</b>	✓	<b>✓</b>	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 4.1	<b>√</b>	✓	✓	<b>√</b>	<b>✓</b>	✓	<b>√</b>	✓	<b>√</b>	✓	✓	✓	✓	✓	<b>√</b>	
		Table 4.A	<b>√</b>	✓	✓	<b>√</b>	<b>✓</b>	<b>√</b>	<b>V</b>	<b>√</b>	<b>✓</b>	<b>✓</b>	<b>√</b>	<b>√</b>	<b>√</b>	✓	✓	
		Table 4.B	<b>√</b>	✓	<b>√</b>	<b>✓</b>	<b>✓</b>	<b>√</b>	<b>V</b>	<b>√</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	
	SBDT	Table 4.C	<b>√</b>	✓	<b>√</b>	<b>✓</b>	<b>✓</b>	<b>√</b>	<b>~</b>	<b>√</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>√</b>	<b>✓</b>	<b>√</b>	
		Table 4.D	<b>√</b>	✓	✓	<b>√</b>	<b>√</b>	<b>~</b>	<b>V</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>✓</b>	<b>√</b>	<b>√</b>	✓	<b>√</b>	
		Table 4.E	<b>√</b>	<b>√</b>	✓	<b>√</b>	<b>V</b>	<b>√</b>	<b>V</b>	✓	<b>√</b>	<b>√</b>	<b>√</b>	✓	✓	✓	<b>√</b>	
CF		Table 4.F	✓	✓	<b>√</b>	<b>✓</b>	<b>✓</b>	<b>√</b>	<b>√</b>	✓	<b>✓</b>	✓	<b>✓</b>	✓	<b>√</b>	✓	<b>√</b>	
LULUCF		Table 4.G	✓	<b>~</b>	<b>√</b>	✓	✓	✓	✓	✓	✓	✓	✓	<b>√</b>	<b>V</b>	<b>√</b>	✓	No numerical data are reported in this table for the years 1990–2015. For these years the notation key NO is used.
		Table 4(I)	✓	✓	<b>V</b>	✓	✓	✓	✓	✓	✓	✓	✓	✓	<b>√</b>	<b>√</b>	<b>✓</b>	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)	<b>√</b>	✓	<b>√</b>	✓	✓	✓	✓	✓	✓	✓	✓	✓	<b>√</b>	<b>√</b>	<b>√</b>	No numerical data are reported in this table for the years 1990–2015. For these years the notation key NO is used.
		Table 4(III)	<b>√</b>	✓	<b>✓</b>	<b>✓</b>	<b>~</b>	<b>~</b>	<b>V</b>	<b>√</b>	<b>✓</b>	<b>✓</b>	<b>√</b>	<b>V</b>	<b>✓</b>	<b>~</b>	<b>√</b>	
		Table 4(IV)	<b>√</b>	✓	<b>✓</b>	<b>✓</b>	<b>~</b>	<b>~</b>	<b>V</b>	<b>√</b>	<b>✓</b>	<b>✓</b>	<b>√</b>	<b>V</b>	<b>✓</b>	<b>~</b>	<b>√</b>	
		Table 4(V)	√	<b>✓</b>	<b>√</b>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	No numerical data are reported in this table for the years 1990–2015. For these years the notation key NO is used.

								PART II
				T				Provision of common reporting format tables for years reported (continued)
					Year	rs		
				Base year <sup>a</sup>	2013	2014	2015	Comments
	Secto		Table NIR-1	✓	<b>√</b>	✓	<b>√</b>	
			Table NIR-2	<b>√</b>	<b>√</b>	✓	<b>√</b>	
			Table NIR-3	<b>√</b>	<b>√</b>	✓	✓	
			Table 4(KP) Recalculat ions	<b>√</b>	✓	<b>√</b>		
UCF			Table 4(KP)	✓	<b>√</b>	✓	✓	
KP-LULUCF	·	Table 4	KP-I)A.1	✓	✓	<b>√</b>	<b>√</b>	
KF		Table 4(KP-I	)A.1.1	<b>√</b>	<b>√</b>	✓	✓	No numerical data are reported in this table for the years 1990. For this year the notation keys NA and NO are used.
	,	Table 4	KP-I)A.2	<b>√</b>	✓	<b>√</b>	<b>√</b>	
		Table 4 I)A.2.1		✓	<b>√</b>	✓	<b>√</b>	
	,	Table 4	KP-I)B.1	✓	✓	✓	✓	
		Table 4 I)B.1.1		✓	<b>V</b>	<b>√</b>	<b>√</b>	
		Table 4 I)B.1.2		<b>√</b>	<b>√</b>	<b>√</b>	✓	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)
		Year	·s		
	Base year <sup>a</sup>	2013	2014	2015	Comments
Table 4(KP- I)B.1.3	<b>√</b>	✓	✓	✓	No numerical data are reported in this table for the years 1990. For this year the notation keys NA and NO are used.
Table 4(KP-I)B.2	<b>√</b>	✓	<b>√</b>	✓	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	✓	✓	<b>√</b>	✓	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	✓	✓	<b>√</b>	✓	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	✓	✓	<b>√</b>	✓	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	<b>√</b>	✓	<b>√</b>	<b>✓</b>	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)1	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	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					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)3					
Table 4(KP-II)4					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 Accounting	<b>√</b>	<b>✓</b>	✓	✓	

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									Pro	visio	n of	comi	non	repo	rting		RT ]	II bles for years reported (continued)
									Y	ears								
			Base year <sup>a</sup>	0661	2661	2000	2005	2006	2007	2008	5009	2010	2011	2012	2013	2014	2015	Comments
	Sect	oral report: Table 5	✓	✓	✓	<b>√</b>	✓	✓	✓	✓	<b>√</b>	✓	✓	✓	✓	✓	✓	
		Table 5.A	<b>√</b>	<b>~</b>	<b>V</b>	<b>V</b>	✓	✓	✓	<b>~</b>	<b>√</b>	✓	<b>√</b>	<b>√</b>	✓	✓	<b>√</b>	
Waste		Table 5.B	✓	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	✓	✓	✓	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	✓		No numerical data are reported in this table for the years 1990–1991. For these years the notation keys IE, NA and NO are used.
	SBI	Table 5.C	✓	✓	✓	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	✓	✓	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	✓		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	✓	✓	✓	✓	<b>√</b>	<b>√</b>	✓	✓	✓	✓	✓	✓	✓	✓	✓	

							Pi	rovis	ion o	f cor	nmoi	ı rep	ortir			T II tabl	I bles for years reported (continued)
								Y	ears								
		Base year <sup>a</sup>	0661	<i>2661</i>	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	S Comments
	Summary table 1.A (Report for national GHG inventories)	<b>√</b>	✓	✓	<b>√</b>	<b>√</b>	✓		✓	✓	✓	✓	✓	✓	✓	<b>√</b>	
	Summary table 2 (CO <sub>2</sub> equivalent emissions)	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	✓	<b>~</b>	<b>~</b>	✓	✓	<b>√</b>	<b>√</b>	✓	,
tables	Summary table 3 (Methods/emission factors)	<b>√</b>	<b>√</b>	✓	<b>√</b>	✓	<b>~</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>~</b>	<b>~</b>	<b>√</b>	<b>√</b>	✓	✓	,
Summary and other	Table 6 (Indirect emissions of N <sub>2</sub> O and CO <sub>2</sub> )	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	✓	✓	✓	✓	✓	✓	✓	✓	✓	<b>√</b>	
Sum	Table 7 (Key categories)	✓	<b>V</b>	<b>V</b>	<b>√</b>	<b>V</b>	<b>~</b>	<b>✓</b>	<b>✓</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>V</b>	<b>√</b>	<b>√</b>	<b>✓</b>	
	Table 8 (Recalculation – recalculated data)	✓	<b>√</b>	<b>√</b>	<b>✓</b>	<b>√</b>	✓	✓	✓	<b>√</b>	<b>√</b>	✓	<b>√</b>	<b>✓</b>	<b>√</b>		
	Table 9 (Completeness)	✓	<b>✓</b>	<b>√</b>	✓	✓	<b>✓</b>	<b>✓</b>	✓	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	✓	✓	
	Table 10 (Trends)	✓	<b>√</b>	<b>√</b>	✓	✓	✓	✓	✓	✓	<b>√</b>	✓	✓	✓	✓	✓	

<sup>&</sup>lt;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  e 8 (Recalculated data)  Comments Explanatory information relating to recalculations provided in chapter 10 of the NIR														
Table 8 (Recalculated data)	Con	nments	Explanatory information	on relating to recalculations pr	ovided in chapter 10 of the NI	IR.									
Recalculation reported for years	1990–2014														
Recalculated sectors/gases	Energy	IPPU		Agriculture	LULUCF	Waste	KP-LULUCF								
$CO_2$	<b>√</b>	✓		✓	✓		✓								
CH <sub>4</sub>	<b>✓</b>			<b>✓</b>		<b>✓</b>									
$N_2O$	<b>√</b>	<b>√</b>		<b>√</b>	✓	<b>√</b>	✓								
HFCs		<b>√</b>													
PFCs															
Unspecified mix of HFCs and PFCs															
$SF_6$															
NF <sub>3</sub>															
=	Base–year estimate: <sup>a</sup>	Inclu	ding LULUCF:	-0.99%	Excluding LULUCF:	-0.96%									
aggregate GHG emissions	Latest recalculated year:	' Inclu	ding LULUCF:	-0.13%	Excluding LULUCF:	-0.16%									

<sup>&</sup>lt;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				
		110vision of information relating to K1-D0D0cF activities under Article 3, p	Provided	Observation	
	Emissions by sources and removals by sinks are clearly distinguished from emissions from categories included in Annex A to the Kyoto Protocol		<b>√</b>		
	Information on how inventory methodologies have been applied taking into account the 2006 IPCC Guidelines for National Greenhouse Gas Inventories and any relevant supplementary guidance recognizing the principles laid out in decision 16/CMP.1.		<b>√</b>		
5-1	Information on the geographical location of the boundaries of areas that encompass:				
aphs i		Units of land subject to activities under Article 3, paragraph 3	✓		
II, paragı		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	<b>✓</b>		
annex		Land subject to forest management or elected activities under Article 3, paragraph 4	✓		
2/CMP.8,	Information on the spatial assessment unit for determining the area of accounting for afforestation, reforestation and deforestation		<b>√</b>		
der decision	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.		<b>✓</b>		
ements un	Information on carbon pools (above-ground/below-ground biomass, litter, dead wood and soil organic carbon) that are not accounted for.		✓		
Reporting requirements under decision 2/CMP.8, annex II, paragraphs	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:				
Rep		That all lands subject to exclusion due to natural disturbances are identified		Information required in paragraph 2(f)(i) of annex II to decision 2/CMP.8 could not be identified in the NIR	
		How annual emissions resulting from natural disturbances and the subsequent removals are estimated and excluded from accounting		Information required in paragraph 2(f)(ii) of annex II to decision 2/CMP.8 could not be identified in the NIR	
		That no land-use change has occurred on lands for which the provisions in decision 2/CMP.7, annex, paragraph 33, are applied		Information required in paragraph 2(f)(iii) of annex II to decision 2/CMP.8 could not be identified in the NIR	

PART IV			
	Provision of information relating to KP-LULUCF activities under Article 3, paragraphs	graphs 3 and Provided	4, of the Kyoto Protocol (continued)  Observation
	That events and circumstances were beyond the control of the Party		Information required in paragraph 2(f)(iv) of annex II to decision 2/CMP.8 could not be identified in the NIR
	The efforts taken to rehabilitate the land for which the provisions contained in decision 2/CMP.7, annex, paragraph 33, are applied		Information required in paragraph 2(f)(v) of annex II to decision 2/CMP.8 could not be identified in the NIR
	That emissions associated with salvage logging were not excluded from accounting		Information required in paragraph 2(f)(vi) of annex II to decision 2/CMP.8 could not be identified in the NIR
	accounted for by instantaneous oxidation, information on GHG emissions/removals resulting from es 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	<b>~</b>	In chapter 11.5.3.5 the Party reports that all wood harve for the production of HWP is considered as instantaneous oxidation
	Half-lives used in estimating emissions/removals for the HWP categories used	<b>~</b>	In chapter 11.5.3.5 the Party reports that all wood harve for the production of HWP is considered as instantaneous oxidation
	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	<b>~</b>	In chapter 11.5.3.5 the Party reports that all wood harve for the production of HWP is considered as instantaneous oxidation
	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	<b>√</b>	In chapter 11.5.3.5 the Party reports that all wood harve for the production of HWP is considered as instantaneous oxidation
	How the HWP resulting from deforestation have been accounted on the basis of instantaneous oxidation	<b>~</b>	In chapter 11.5.3.5 the Party reports that all wood harve for the production of HWP is considered as instantaneous oxidation
	How CO2 emissions from HWP in SWDS and from wood harvested for energy purposes have been accounted on the basis of instantaneous oxidation	<b>✓</b>	In chapter 11.5.3.5 the Party reports that all wood harve for the production of HWP is considered as instantaneo oxidation

PART IV				
Provision of information relating to KP-LULUCF activities under Article 3, paragraphs 3 and 4, of the Kyoto Protocol (continued)				
		Provided	Observation	
	How emissions/removals from changes in the HWP pool accounted for do not include imported HWP	<b>√</b>	In chapter 11.5.3.5 the Party reports that all wood harvested for the production of HWP is considered as instantaneous oxidation	
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	✓		
	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		Information required in paragraph 4(a) of annex II to decision 2/CMP.8 could not be identified in the submission	
	How harvesting or forest disturbance that is followed by the re-establishment of forest is distinguished from deforestation	<b>√</b>		
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	<b>√</b>		
	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 required in paragraph 5(c) of annex II to decision 2/CMP.8 could not be identified in the submission	
	Information on how emissions arising from the conversion of natural forests to planted forests are accounted for		Information required in paragraph 5(d) of annex II to decision 2/CMP.8 could not be identified in the submission	
	Methodological consistency between the reference level and reporting for forest management	✓		
	Technical corrections made pursuant to decision 2/CMP.7, annex, paragraph 14	✓		

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PART IV				
Provision of information relating to KP-LULUCF activities under Article 3, paragraphs 3 and 4, of the Kyoto Protocol (continued)				
			Observation	
plan	st management: if emissions/removals from the harvest and conversion of forest tations to non-forest land were included, information how requirements set out in decision MP.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	<b>√</b>	In chapter 11.5.3.3 of the NIR the Party reports that it has not elected the provision for carbon equivalent forests	
	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	✓	In chapter 11.5.3.3 of the NIR the Party reports that it has not elected the provision for carbon equivalent forests	
	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	✓	In chapter 11.5.3.3 of the NIR the Party reports that it has not elected the provision for carbon equivalent forests	
	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	<b>√</b>	In chapter 11.5.3.3 of the NIR the Party reports that it has not elected the provision for carbon equivalent forests	