



## **COMPLIANCE COMMITTEE**

CC/ERT/ASR/2017/29 21 July 2017

## Status report of the annual inventory of Norway

## Note by the secretariat

The status report of the annual inventory of Norway 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/NOR, 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.





Distr.: General 31 May 2017

English only

## Status report of the annual inventory of Norway

- 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 Norway'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).
- 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

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

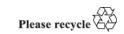
Notation keys

C: confidential

IE: included elsewhere NA: not applicable NE: not estimated NO: not occurring

GE.17-08675(E)







			GRE	EENHO	OUSE GAS	INVE	NTORY	SUBMISS	SION					
		Date of 1	receipt		Date of rest	ıbmissio	on	Commen	s					
	NIR	7 April	2017											
	CRF tables <sup>a</sup>	7 April	2017											
eral information	Additional information <sup>b</sup> CRF tables provided	7 April	2017					Annex 1 v8.0.7.x Annex	A - CS B - Ch alsx.xls A - CP	EUR.pc anges fr sx; 22 SEF T ITL An	om EU	PNG		CR.
Gen	CRF tables provided for years	1990–2	2015											
	Base year or period <sup>c</sup>	1990	Base y PFCs		or HFCs, F <sub>6</sub> <sup>d</sup>		1990			Bas NF3	e year	for	2000	
	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	MVOCs	$SO_2$
		<b>√</b>	<b>√</b>	<b>√</b>	✓	✓	✓	<b>√</b>	<b>√</b>	✓	<b>√</b>	✓		✓
NIR	Description				the NIR eporting			ows the	structu	ire outli	ned in t	the U	INFCCC	;
~	Language of NIR	English	1											
CRF <sup>g</sup> tables	Source categories accomore of Party's aggreg sources included in Art Protocol	ounting gate emi	for 7% ssions to to the K	or from Syoto	No miss identifie		urce cat	egory a	ecount	ing for 7	per ce	ent of	f more ha	as been

- <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
- $^d$  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.
  - <sup>f</sup> "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 UNDI	ER ARTICLE 7, PARA	AGRAPH 1, OF THE KYOTO PROTOCOL
		Date of receipt	Date of resubmission	Comments
	KP-LULUCF information <sup>a</sup>	7 April 2017		NIR chapter 11, page 497
ormation	KP-LULUCF CRF tables <sup>b</sup>	7 April 2017		KP-LULUCF CRF 1990–2015 tables provided for years
supplementary information	Information on Kyoto units (ERUs, CERs, RMUs and AAUs) <sup>c</sup>	7 April 2017		NIR chapter 12, page 517
Reporting of supplem	SEF tables <sup>d</sup> with Kyoto Protocol units	7 April 2017		SEF reported year: 2016; SEF table for CP1 (reported year 2016) submitted on 7 April 2017
Repor	Changes in national system <sup>e</sup>	7 April 2017		NIR chapter 13, page 522
	Changes in national registry <sup>e</sup>	7 April 2017		NIR chapter 14, page 523
	Minimization of adverse impacts <sup>e</sup>	7 April 2017		NIR chapter 15, page 526

<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.

Sectoral	Energy		*n ***					~-	***		***	
Sectoral			IPPU	<b>√</b>	Agricult	ure ✓	LULUC	CF ✓	KP-LULUCF <sup>a</sup>	<b>√</b>	Waste	
report tables	1	<b>√</b>	2(I)	v	3	v	4	V	NIR-1	v	5	<b>~</b>
			2(II)	✓								
Sectoral	1.A(a)	<b>V</b>	2(I).A-H	<b>~</b>	3.A	✓	4.1	✓	NIR-2	<b>✓</b>	5.A	<b>√</b>
background data tables	1.A(b)	<b>√</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)	<b>√</b>			3.C	✓	4.C	✓	4(KP)	<b>√</b>	5.D	✓
	1.B.1	<b>√</b>			3.D	✓	4.D	<b>✓</b>	4(KP-I)A.1	✓		
	1.B.2	<b>√</b>			3.E	✓	4.E	✓	4(KP-I)A.1.1	<b>✓</b>		
	1.C	<b>√</b>			3.F	<b>✓</b>	4.F	<b>√</b>	4(KP-I)A.2	<b>✓</b>		
	1.D	<b>√</b>			3.G-I	<b>√</b>	4(I)	<b>√</b>	4(KP-I)A.2.1	<b>√</b>		
		1					4(II)	<b>√</b>	4(KP-I)B.1	<b>√</b>		
calant							4(III)	<b>√</b>	4(KP-I)B.1.1	<b>√</b>		
							4(IV)	<b>√</b>	4(KP-I)B.1.2			
							4(V)	<b>V</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	✓		
									4(KP-I)B.5	<b>√</b>		
									4(KP-I)C	<b>√</b>		
									4(KP-II)1	<b>√</b>		

						PAF								
	Provis	sion of ir	formation	for the la	test repo	rted inventory	y yea	ar in the com	mon	4(KP-		015 (c	continued)	
										4(KP-	II)4	✓		
										Accou	unting	✓		
	Summary tables	Summa 1.A	ry table	✓	Summa	ry table 2		<b>√</b>		Summ	nary table 3			<b>√</b>
	Other tables	Table 6 (Indirection of the contraction of the cont	ns of	✓	Table 7	(Key categorie	es)	<b>~</b>		Table	8 (Recalcul	ation)	)	
		Table 9 (Comple		✓	Table 1	0 (Emission		<b>√</b>						
	Comments		egories are i	•		with difference	es co	ompared to Cl	RF Ta	ible 7 that	may lead to	inco	nsistencies, e	.g. in the
Totals	Provided for	gases	CO₂ ✓	СН4	<b>√</b>	N₂O ✔	H.	FCs 🗸	PFC	s V	MIX 🗸	,	SF <sub>6</sub> ✓	NF <sub>3</sub> ✓
$T_{G}$	Provided for	years	1990–201	5 199	0–2015	1990–2015	1	990–2015	199	0–2015	1990–201	.5	1990–2015	1990–2015
$CO_2$	Comparison CO <sub>2</sub> emission from fuel combustion		Reference ✓	approaci	n Sector	al approach		ference more n 2%					2% explana CRF table 1.4	
pu	combustion		HFCs			PFCs								
HFCs and PFCs	Disaggregat species	ion by	rrcs ✓			✓			$\dashv$					
Notation keys	Used in Comments		Summary	table 1.A	V	Sectoral r	героп	rt tables		<b>√</b>	Sectoral data tab		kground	~

<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.

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										Pro	visio	n of	com	mon	repo	rting		ART II mat tables for years reported (continued)
									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>	✓	✓	✓	✓	✓	✓	<b>√</b>	✓	
		Table 3.A	✓	<b>√</b>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	<b>V</b>	✓	<b>√</b>	
		Table 3.B(a)	<b>√</b>	<b>√</b>	✓	✓	✓	<b>√</b>	✓	✓	✓	<b>√</b>	✓	<b>√</b>	<b>V</b>	✓	✓	
		Table 3.B(b)	<b>√</b>	<b>V</b>	✓	✓	<b>√</b>	<b>~</b>	<b>✓</b>	✓	<b>✓</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>V</b>	✓	<b>√</b>	
Agriculture		Table 3.C	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	<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.
Agı	SBDT	Table 3.D	<b>√</b>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	<b>√</b>	<b>√</b>	✓	✓	
		Table 3.E	<b>√</b>	<b>V</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 key NO is used.
		Table 3.F	<b>√</b>	<b>√</b>	✓	✓	✓	✓	✓	✓	✓	✓	<b>√</b>	<b>V</b>	<b>V</b>	✓	<b>√</b>	
		Table 3.G-I	<b>√</b>	✓	✓	✓	✓	<b>√</b>	✓	✓	✓	✓	✓	✓	<b>√</b>	✓	<b>✓</b>	

										Pro	visio	n of	comi	non :	repo	rting		RT II nat tables for years reported (continued)	
									Ye	ars									
			Base year <sup>a</sup>	0661	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	Comments	
	Secto	oral report: Table 4	✓	<b>√</b>	<b>√</b>	✓	✓	_	✓	✓	✓	✓	✓	✓	✓	<b>V</b>	<b>√</b>		
	,	Table 4.1	✓	<b>√</b>	<b>√</b>	✓	<b>√</b>	✓	<b>√</b>	✓	✓	<b>√</b>	✓	✓	✓	<b>V</b>	<b>√</b>		
	,	Table 4.A	<b>√</b>	<b>V</b>	<b>✓</b>	✓	✓	✓	✓	✓	✓	<b>√</b>	<b>√</b>	✓	✓	<b>V</b>	<b>√</b>		
	,	Table 4.B	<b>√</b>	<b>V</b>	<b>✓</b>	✓	✓	✓	✓	✓	✓	<b>√</b>	<b>√</b>	✓	✓	<b>V</b>	<b>√</b>		
	SBDT	Table 4.C	<b>√</b>	<b>V</b>	<b>✓</b>	✓	✓	✓	✓	<b>√</b>	✓	<b>√</b>	<b>✓</b>	✓	<b>V</b>	<b>V</b>	<b>√</b>		
		Table 4.D	<b>√</b>	<b>✓</b>	<b>✓</b>	✓	✓	✓	✓	<b>√</b>	✓	<b>√</b>	<b>✓</b>	✓	<b>V</b>	<b>✓</b>	<b>√</b>		
JCF	,	Table 4.E	✓	<b>✓</b>	<b>√</b>	✓	<b>√</b>	✓	<b>√</b>	✓	✓	<b>√</b>	<b>✓</b>	<b>√</b>	<b>√</b>	<b>✓</b>	<b>√</b>		
LULUCF	,	Table 4.F	✓	<b>✓</b>	<b>√</b>	✓	<b>√</b>	✓	<b>√</b>	✓	✓	<b>√</b>	<b>✓</b>	✓	✓	<b>✓</b>	<b>√</b>		
	,	Table 4.G	✓	<b>✓</b>	<b>√</b>	✓	<b>√</b>	✓	<b>√</b>	✓	✓	<b>√</b>	<b>✓</b>	<b>√</b>	<b>√</b>	<b>✓</b>	<b>√</b>		
	ļ	Table 4(I)	✓	<b>~</b>	<b>✓</b>	✓	<b>√</b>	<b>√</b>	<b>√</b>	✓	<b>√</b>	<b>√</b>	<b>✓</b>	<b>V</b>	<b>√</b>	<b>V</b>	<b>√</b>		
	ļ	Table 4(II)	✓	<b>√</b>	<b>√</b>	✓	<b>√</b>	✓	<b>√</b>	✓	✓	<b>√</b>	✓	<b>√</b>	✓	<b>√</b>	<b>√</b>		
	ļ	Table 4(III)	✓	✓	<b>√</b>	✓	<b>√</b>	✓	<b>√</b>	✓	✓	<b>√</b>	✓	<b>√</b>	✓	<b>√</b>	<b>√</b>		
	ļ	Table 4(IV)	✓	✓	<b>√</b>	✓	<b>√</b>	✓	<b>√</b>	✓	✓	<b>√</b>	✓	<b>√</b>	✓	<b>√</b>	<b>√</b>		
	•	Table 4(V)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		

								PART II
				•				Provision of common reporting format tables for years reported (continued)
					Year	rs		
				Base year <sup>a</sup>	2013	2014	2015	Comments
	Sector repor		Table NIR-1	✓	✓	<b>√</b>	✓	
			Table NIR-2	✓	✓	✓	✓	
			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>	
KF		Table 4(KP-I)	)A.1.1	✓	✓	✓	<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)A.2	✓	✓	✓	<b>√</b>	
		Table 4 I)A.2.1		<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.1	<b>√</b>	✓	<b>✓</b>	<b>√</b>	
		Table 4 I)B.1.1		✓	✓	✓	✓	
		Table 4 I)B.1.2						

					PART II  Provision of common reporting format tables for years reported (continued)
		Yea	rs		
	Base year <sup>a</sup>	2013	2014	2015	Comments
Table 4(KP-I)B.1.3	<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.
14010 1(111 1)212			<b>√</b>	<b>✓</b>	
Table 4(KP-I)B.3	<b>√</b>			✓	
Table 4(KP-I)B.4	<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.5	<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.
Table 4(KP-I)C	<b>√</b>	✓	✓	<b>✓</b>	
Table 4(KP-II)1	<b>√</b>	✓	<b>√</b>	<b>✓</b>	
Table 4(KP-II)2	<b>√</b>	✓	<b>✓</b>	<b>✓</b>	
Table 4(KP-II)3	<b>√</b>	✓	<b>✓</b>	<b>✓</b>	
Table 4(KP-II)4	<b>√</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	
Table Accounting	<b>√</b>	✓	<b>√</b>	<b>√</b>	

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									Pro	visio	n of o	comn	non 1	repo	rting		ART nat t		oles for years reported (continued)
									Ye	ears									
	Base year <sup>a</sup> 0661 5000 7000 700 700 700 700 700 700 700 7															Comments			
	Sectoral report: Table 5																		
		Table 5.A	<b>✓</b>	<b>✓</b>	<b>√</b>	<b>√</b>	<b>✓</b>	✓	<b>✓</b>	<b>√</b>	✓	✓	<b>✓</b>	<b>√</b>	✓	<b>V</b>	✓		
Waste	DT	Table 5.B	<b>√</b>	✓	<b>√</b>	<b>√</b>	✓	<b>√</b>	✓	✓	✓	✓	✓	✓	<b>√</b>	✓	<b>√</b>	-	
	SBI	Table 5.B	<b>√</b>	<b>√</b>	✓	<b>✓</b>	✓	✓	<b>√</b>	<b>√</b>	✓	<b>√</b>	✓	✓	<b>√</b>	✓	✓		
		Table 5.D	<b>✓</b>	<b>√</b>	✓	<b>V</b>	✓	✓	✓	✓	✓	<b>√</b>	✓	✓	<b>√</b>	✓	✓	-	

							P	rovis	ion o	f cor	nmoi	n rep	ortii		PAR rma			s for years reported (continued)
								Y	ears									
		Base year <sup>a</sup>	0661	2661	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	7100	7014	2015	Comments
	Summary table 1.A (Report for national GHG inventories)	✓	✓	✓	✓	✓	✓	,	✓	✓	<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>V</b>	~	/	
tables	Summary table 3 (Methods/emission factors)	<b>√</b>	<b>√</b>	✓	<b>V</b>	<b>V</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 $N_2O$ and $CO_2$ )	✓	✓	<b>√</b>	✓	✓	✓	✓	✓	✓	✓	✓	✓	<b>√</b>	<b>√</b>	~	/	
Sum	Table 7 (Key categories)	<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 8 (Recalculation – recalculated data)	<b>√</b>	<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>	✓	<b>~</b>	/	
	Table 10 (Trends)	✓	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	✓	✓	✓	✓	✓	<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 recalc	ulations		
Table 8 (Recalculated data)	Com	ments Explanatory informa	tion relating to recalculations is	provided in chapter 10 of the	NIR	
Recalculation reported for years	1990–2014					
Recalculated sectors/gases	Energy	IPPU	Agriculture	LULUCF	Waste	KP-LULUCF
$CO_2$	<b>√</b>	✓		<b>√</b>		<b>✓</b>
CH <sub>4</sub>	<b>√</b>		<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>
$N_2O$	<b>√</b>	✓	<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>	Including LULUCF:	-0.41%	Excluding LULUCF:	-0.37%	
aggregate GHG emissions	Latest recalculated year: <sup>b</sup>	Including LULUCF:	3%	Excluding LULUCF:	0.26%	

 <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					
			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.		✓			
1–5	Information on the geographical location of the boundaries of areas that encompass:					
graphs		Units of land subject to activities under Article 3, paragraph 3	✓			
x II, paraz		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	✓			
s, anne		Land subject to forest management or elected activities under Article 3, paragraph 4	✓			
n 2/CMP.8	Information on the spatial assessment unit for determining the area of accounting for afforestation, reforestation and deforestation		<b>√</b>			
nder 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>			
irements u		nation on carbon pools (above-ground/below-ground biomass, litter, dead wood and soil organic a) that are not accounted for.	<b>√</b>			
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:					
Re		That all lands subject to exclusion due to natural disturbances are identified	✓	Party does not apply the provisions for natural disturbances		
		How annual emissions resulting from natural disturbances and the subsequent removals are estimated and excluded from accounting	<b>√</b>	Party does not apply the provisions for natural disturbances		
		That no land-use change has occurred on lands for which the provisions in decision 2/CMP.7, annex, paragraph 33, are applied	<b>√</b>	Party does not apply the provisions for natural disturbances		

Provision of information relating to KP-LULUCF activities under Article 3, paragraphs 3 and 4, of the Kyoto Protocol (continued)			
		Provided	Observation
	That events and circumstances were beyond the control of the Party	✓	Party does not apply the provisions for natural disturban
	The efforts taken to rehabilitate the land for which the provisions contained in decision 2/CMP.7, annex, paragraph 33, are applied	<b>✓</b>	Party does not apply the provisions for natural disturban
	That emissions associated with salvage logging were not excluded from accounting	✓	Party does not apply the provisions for natural disturban
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	<b>√</b>	
	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	✓	In chapter 11.3.6 of the NIR the Party reports that the fo management reference level is not 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	<b>√</b>	
	How the HWP resulting from deforestation have been accounted on the basis of instantaneous oxidation	<b>√</b>	
	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>	
	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)				
			Observation		
	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	<b>√</b>			
	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	<b>✓</b>			
	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	<b>~</b>	In chapter 11.5.6 of the NIR the Party reports information about emissions or removals resulting from the harvest and conversion of forest plantations to non-forest land as not applicable		

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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)						
			Provided	Observation			
		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>√</b>	In chapter 11.5.6 of the NIR the Party reports information about emissions or removals resulting from the harvest and conversion of forest plantations to non-forest land as not applicable			
		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 nonforested land that did not contain forest on 31 December 1989	✓	In chapter 11.5.6 of the NIR the Party reports information about emissions or removals resulting from the harvest and conversion of forest plantations to non-forest land as not applicable			
		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 11.5.6 of the NIR the Party reports information about emissions or removals resulting from the harvest and conversion of forest plantations to non-forest land as not applicable			