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Annual status report of the annual inventory of Norway

- 1. This status report was prepared by the secretariat as part of the initial check of the annual inventory submitted in accordance with decision 15/CMP.1. It reflects the content of the inventory submission of 2009 as originally submitted by the Party.
- 2. In this report, the following abbreviations are used:

A: afforestation

AAU: assigned amount unit CER: certified emission reduction CM: cropland management CRF: common reporting format

D: deforestation

ERU: emission reduction unit FM: forest management GM: grazing land management

GHG: greenhouse gas

KP-LULUCF: Article 3, paragraphs 3 and 4, activities under the Kyoto Protocol ICER: long-term certified emission

reduction

LULUCF: land use, land-use change and

forestry

NIR: national inventory report

R: reforestation RMU: removal unit RV: revegetation

SBDT: sectoral background data tables SEF: standard electronic format tCER: temporary certified emission

reduction

Notation keys
C: confidential

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

Greenhouse gases
CO₂: carbon dioxide
CH₄: methane
N₂O: nitrous oxide

HFCs: hydrofluorocarbons PFCs: perfluorocarbons SF₆: sulphur hexafluoride NO_X: nitrogen oxides CO: carbon monoxide

NMVOCs: non-methane volatile organic

compounds

SO₂: sulphur dioxide

		GREEN	HOUSE	GAS IN	VENTO	ORY SUB	MISSION				
		Date of	receipt		Date of	resubmi	ssion	Comment	ts		
=	NIR	15 April	2009								
ıatio	CRF tables ^a	15 April	2009								
forn	Additional information ^b										
General information	CRF provided for years	1990–20	007		-						
ener	Base year or period ^c	1990			Base ye	ear for HF	Cs, PFCs a	and SF ₆ ^d	1990		
Ğ	Gases covered	CO ₂	CH ₄	N ₂ O	HFCs	PFCs	SF ₆	NO_X	CO	NMVOCs	SO_2
		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
NIR	Description			of the N sion 18/0		ws the str	ucture outli	ined in the	revised U	JNFCCC repo	rting
Z	Language of NIR	English									
CRF	Missing source category larger than 7 per cent for categories included in Annex A to the Kyoto Protocol	No miss	ing sourc	ce catego	ry larger	than 7 pe	er cent has	been identi	fied.		

	SUBMISSION	OF SUPPLEMENTAL	RY INFORMATION UNI	DER ARTICLE 7.1
		Date of receipt	Date of resubmission	Comments
g of ation ^g	KP-LULUCF informationh	15 April 2009		The information is included in annex IX to the NIR.
eporting informa	KP-LULUCF CRF ⁱ	15 April 2009		CRF provided for years: 2007
9 [Information on Kyoto units (ERUs, CERs, RMUs and AAUs ⁱ)	15 April 2009		
untary r mentary	SEFk with Kyoto units	15 April 2009		
Volunta	Change in national system ¹			
Volt	Change in national registry ^l	15 April 2009		
	Minimization of adverse impacts ¹			

- ^a CRF tables are contained in document FCCC/SBSTA/2006/9, annex II.
- Additional information can be any information submitted by a Party in conjunction with the NIR or CRF tables.
- 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.
- A Party may select 1990 or 1995 as the base year for the fluorinated gases in accordance with Article 3, paragraph 8, of the Kyoto Protocol.
- e "Guidelines for the preparation of national communications by Parties included in Annex I to the Convention, Part I: UNFCCC reporting guidelines for annual inventories" (FCCC/SBSTA/2006/9).
- A Party has not reported an estimate for an Annex A category that accounted for 7 per cent or more of the Party's aggregate emissions (decision 15/CMP.1, para. 3 (b)).
- ^g Parties are required to submit supplementary information under Article 7, paragraph 1, of the Kyoto Protocol from the 2010 submission; however, they may elect to submit this information on a voluntary basis before this submission.
- ^h Parties are required to include in their annual inventories 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 decision 15/CMP.1, annex, paragraphs 5-9.
- 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.3. Parties are required to report these tables on a mandatory basis commencing with the 2010 submission; however, they may elect to report these tables on a voluntary basis before this submission. Parties may also elect to report these tables for the base year or 1990.
- ^j Parties are required to include in their annual inventory information on ERUs, CERs, tCERs, ICERs, AAUs and RMUs, in accordance with decision 15/CMP.1, annex, section E.
- SEF for reporting Kyoto Protocol units, as adopted under decision 14/CMP.1 and required by decision 15/CMP.1, annex, paragraph 11.
- ¹ The requirements for Parties to report on changes in national systems in accordance with Article 5, paragraph 1, changes in national registries, and the minimization of adverse impacts in accordance with Article 3, paragraph 14, are set out in sections F, G and H, respectively, of the annex to decision 15/CMP.1.

PART I Provision of information for the latest reported inventory year in the common reporting format: 2007 Solvent and Industrial LULUCF KP-LULUCF^a Energy Agriculture Waste other processes product use Sectoral report 1 2(I) 5(KP) tables 2(II) Sectoral 5(KP-I)A.1.1 1.A(a) 2(I).A-G 3.A-D 4.A 5.A 6.A background data tables 1.A(b) 2(II).C 4.B(a) ✓ 5.B 5(KP-I)A.1.2 ✓ 6.B ✓ 1.A(c) 2(II).E 4.B(b) ✓ 5.C ✓ 5(KP-I)A.1.3 6.C ✓ 2(II).F ✓ ✓ 5(KP-I)A.2 1.A(d) 5.D 4.0 5(KP-✓ 1 1.B.1 4.D 5.E I)A.2.1 V ✓ 1.B.2 4.E 5.F 5(KP-I)B.1. ✓ 5 (I) ✓ ✓ 1.C 4.F 5(KP-I)B.2. 5 (II) **√** 5(KP-I)B.3. **√** Bunkers separately ✓ 5 (III) 5(KP-I)B.4. 5 (IV) ✓ 5(KP-II)1 ✓ 5(KP-II)2 5 (V) ✓ 5(KP-II)3 5(KP-II)4 √ 5(KP-II)5 ✓ Accounting table Summary tables Summary 1.A Summary 1.B Summary 2 **√** Table 9(a) (Completeness) Table 7 (Key categories) Other tables Summary 3 Table 10 (Trends) Table 9(b) (Completeness) Comments Provided for CO₂ ✓ CH₄ ✓ N₂O ✓ HFCs ✓ PFCs ✓ SF₆ ✓ gases Provided for 1990-2007 1990-2007 1990-2007 1990-2007 1990-2007 1990-2007 years Difference more than If difference is more than Comparison of Reference approach Sectoral approach 2 per cent 2 per cent CO₂ from fuel combustion Explanation provided Disaggregation by species **HFCs PFCs** SF₆ SF Reporting of actual and/or potential

Potential

Sectoral report tables

Actual

Potential

Actual

Sectoral background data tables

Potential

✓

Actual

✓

emission estimates in the consumption of

Summary table 1.A

halocarbons and SF₆

Used in

Comments

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.3.

							Prov	vision	of com	mon r		ART I		oles for	· years	s repor	ted						
												Years	1										
_			Base year ^a	1990	1991	1992	1993	1994	1995	1996	1997	8661	1999	2000	2001	2002	2003	2004	2002	2006	2007	Information gaps relating to reporting ^b	Comments
	S	ectoral report: Table 1		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Table 1.A(a)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Table 1.A(b)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Energy	_	Table 1.A(c)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Ene	CRNT	Table 1.A(d)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	V	Table 1.B.1		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Table 1.B.2		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Table 1.C		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Table 2(1)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	S	ectoral reports: Table 2(1	I)	✓	✓	✓	✓	✓	✓	✓	✓	√	✓	✓	√	✓	✓	✓	√	✓	✓		
sse		Table 2(I).A-G		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
300.		Table 2(II).C		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Industrial processes	Frago	Table 2(II).E		√	√	√	~	✓	✓	√	✓	√	✓	√	√	~	√	√	√	✓	✓		No numerical data are reported in this table, but notation keys NO, NA are used.
		Table 2(II).F		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	S	ectoral report: Table 3		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Solvent	CDDT	Table 3.A–D		✓	√	√	✓	✓	✓	✓	✓	√	✓	✓	✓	✓	√	✓	✓	✓	√		

						Pro	vision	of com	ımon r	eporti		ART II		r years	repor	ted (co	ntinu	ed)					
											•	Years											
			Base year ^a	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	5002	2006	2002	Information gaps relating to reporting ^b	Comments
	Se	ectoral report: Table 4		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Table 4.A		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	\	✓	✓		
		Table 4.B(a)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Table 4.B(b)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Agriculture	SBDT	Table 4.C		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	~	✓	✓	✓	✓	✓		No numerical data are reported in this table, but notation key NO is used.
Ag	0	Table 4.D		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Table 4.E		✓	✓	√	✓	√	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	√	✓	√		No numerical data are reported in this table, but notation key NO is used.
		Table 4.F		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	\checkmark	✓	✓	✓	✓		
	Se	ectoral report: Table 5		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Table 5.A		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Table 5.B		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Table 5.C		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
r_		Table 5.D		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	_	Table 5.E		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	\	✓	✓		
LULUCF	SBDT	Table 5.F		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	S	Table 5 (I)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Table 5 (II)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Table 5 (III)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	√	✓	✓	✓	✓	✓	✓	√		
		Table 5 (IV)		✓	√	✓	√	√	√	√	✓	√	√	✓	√	√	✓	√	✓	✓	✓		
		Table 5 (V)		✓	√	✓	√	✓	✓	√	√	✓	✓										

						Pro	vision	of con	ımon ı	reporti		ART I		or year	rs repo	orted (contin	ued)					
												Years							1				
			Base year ^a	0661	1991	1992	1993	1994	1995	1996	1661	1998	1999	2000	2001	2002	2003	2004	2002	2006	2007	Information gaps relating to reporting ^b	Comments
	Se	ctoral report: Table 5 (KP)																			✓		
		Table 5 (KP-I) A.1.1																			✓	✓	
		Table 5 (KP-I)A.1.2																			✓	✓	
		Table 5 (KP-I) A.1.3																			✓		
		Table 5 (KP-I) A.2																			✓	✓	
		Table 5 (KP-I) A.2.1																			✓		
		Table 5 (KP-I) B.1																			✓	✓	
ي		Table 5 (KP-I) B.2																			✓	✓	
CF	ļ .	Table 5 (KP-I) B.3																			✓	✓	
	SBDT	Table 5 (KP-I) B.4															i				✓	✓	
KP-LULUCF	\mathbf{z}	Table 5 (KP-II) 1																			✓		
Ξ		Table 5 (KP-II) 2																			✓	✓	
		Table 5 (KP-II) 3																			√	√	
		Table 5 (KP-II) 4																			✓	✓	No numerical data are reported in this table, but for year 2007 notation key NO is used.
		Table 5 (KP-II) 5																			✓	✓	
	Ac	counting table																			✓	✓	

						Pro	vision (of com	mon r	eporti		ART I		r years	repor	rted (co	ontinu	ed)					
												Years										Information	
			Base year ^a	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2002	2006	2007	gaps relating to reporting ^b	Comments
	Se	ectoral report: Table 6		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Waste	<u>_</u>	Table 6.A		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Š	SBDT	Table 6.B		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	0.	Table 6.C		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Summary 1.A		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Summary 1.B		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
ples		Summary 2 (CO ₂ equivalent emissions)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
and other tables		Summary 3 (Methods/emission factors)		✓	✓	✓	✓	>	✓	✓	✓	✓	✓	✓	>	✓	✓	✓	>	✓	✓	✓	
l ot	T	Table 7 (Key categories)		✓																	✓		
	SBDT	Table 8(a) (Recalculation – recalculated data)		✓	✓	✓	✓	>	✓	✓	✓	✓	✓	✓	>	✓	✓	✓	>	✓			
Summary		Table 8(b) (Recalculation – explanatory information)		✓	✓	✓	✓	>	✓	✓	✓	✓	✓	✓	>	✓	✓	✓	>	✓		✓	
Su		Table 9(a) (Completeness)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 9(b) (Completeness)																					
		Table 10 (Trends)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		

^a 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 decisions 9/CP.2 and 11/CP.4.

b This column indicates that reporting gaps (blank cells) have been identified in a given table of the CRF. This was owing to limited use, or lack, of notation keys (NO, NE, NA, IE, C).

Parties included in Parties and Convention and decisions 9/CP.2 and 11/Cr.+.

This column indicates that reporting gaps (blank cells) have been identified in a given table of the CRF. This was owing to limited use, or now.

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.3. Parties are required to report these tables on a mandatory basis commencing with the 2010 submission; however, parties are required to report these tables on a voluntary basis before this submission. Parties may also elect to report these tables for the base year or 1990. ^c 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

		Provision (PART III of information relating to	recalculations		
Table 8(a) (Recalculated data)	✓	Comments				
Recalculation reported for years	1990–2006					
Recalculated sectors/gases	Energy	Industrial processes	Solvent and other product use	Agriculture	LULUCF	Waste
CO_2	✓	✓	✓		✓	
CH ₄	✓	✓		✓		✓
N_2O	✓	✓		✓		✓
HFCs		✓				
PFCs						
SF ₆		✓				
Table 8(b) (Explanatory information)	✓	✓	✓	✓	✓	✓
Percentage difference in aggrega	ate greenhouse gas	base year estimate: ^a	with LULUCF:	3.88 %	without LULUCF:	-0.01 %
emission		latest recalculated year:b	with LULUCF:	20.44 %	without LULUCF:	-0.08 %

^a 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 decisions 9/CP.2 and 11/CP.4.

^b The latest recalculated year is the submission year minus 3.

		Provided	Comments
	nissions by sources and removals by sinks are clearly distinguished from emissions from categories included in nnex A to the Kyoto Protocol.	√	Comments
	formation on how inventory methodologies have been applied taking into account IPCC good practice guidance for JLUCF ^b and decision 16/CMP.1.	✓	
In	formation on geographical location of the boundaries of areas that encompass:		
	Units of land subject to activities under Article 3.3	✓	
	Units of land subject to activities under Article 3.3, which would otherwise be included in land subject to elected activities under Article 3.4	✓	
	Land subject to elected activities under Article 3.4	✓	
	formation on the spatial assessment unit for determining the area of accounting for afforestation, reforestation and forestation.	✓	
lo	formation on GHG emissions/removals resulting from activities under Article 3.3 and 3.4, for all geographical cations reported in the current and previous years since the beginning of the commitment period or the onset of the tivity, whichever comes later.		Norway has reported A, R, D and FM or for 2007.
	formation on carbon pools (above-ground / below-ground biomass, litter, dead wood and soil organic carbon) that are t accounted for.	✓	
In	formation on anthropogenic GHGs from LULUCF activities under Article 3.3 and 3.4 factoring out removals from:		
In	formation on anthropogenic GHGs from LULUCF activities under Article 3.3 and 3.4 factoring out removals from: Elevated CO ₂ concentrations above pre-industrial levels	√	
In	formation on anthropogenic GHGs from LULUCF activities under Article 3.3 and 3.4 factoring out removals from: Elevated CO ₂ concentrations above pre-industrial levels Indirect nitrogen deposition	✓ ✓	
In	Elevated CO ₂ concentrations above pre-industrial levels		
	Elevated CO ₂ concentrations above pre-industrial levels Indirect nitrogen deposition	✓	
	Elevated CO ₂ concentrations above pre-industrial levels Indirect nitrogen deposition The dynamic effects of age structure resulting from activities prior to 1 January 1990 ecific information to be reported for Article 3.3 activities: Activities under Article 3.3 that began on or after 1 January 1990 and before 31 December of the last year of the commitment period	✓ ✓	
	Elevated CO ₂ concentrations above pre-industrial levels Indirect nitrogen deposition The dynamic effects of age structure resulting from activities prior to 1 January 1990 ecific information to be reported for Article 3.3 activities: Activities under Article 3.3 that began on or after 1 January 1990 and before 31 December of the last year of the	✓ ✓	
	Elevated CO ₂ concentrations above pre-industrial levels Indirect nitrogen deposition The dynamic effects of age structure resulting from activities prior to 1 January 1990 ecific information to be reported for Article 3.3 activities: Activities under Article 3.3 that began on or after 1 January 1990 and before 31 December of the last year of the commitment period	✓ ✓	
Sp	Elevated CO ₂ concentrations above pre-industrial levels Indirect nitrogen deposition The dynamic effects of age structure resulting from activities prior to 1 January 1990 **ecific information to be reported for Article 3.3 activities:* Activities under Article 3.3 that began on or after 1 January 1990 and before 31 December of the last year of the commitment period How harvesting or forest disturbance that is followed by the re-establishment of forest is distinguished from deforestation Emissions/removals from lands harvested during the first commitment period following afforestation and reforestation on	✓ ✓ ✓	
Sp	Elevated CO ₂ concentrations above pre-industrial levels Indirect nitrogen deposition The dynamic effects of age structure resulting from activities prior to 1 January 1990 secific information to be reported for Article 3.3 activities: Activities under Article 3.3 that began on or after 1 January 1990 and before 31 December of the last year of the commitment period How harvesting or forest disturbance that is followed by the re-establishment of forest is distinguished from deforestation Emissions/removals from lands harvested during the first commitment period following afforestation and reforestation on these units of land since 1990	✓ ✓ ✓	
Sp	Elevated CO ₂ concentrations above pre-industrial levels Indirect nitrogen deposition The dynamic effects of age structure resulting from activities prior to 1 January 1990 ecific information to be reported for Article 3.3 activities: Activities under Article 3.3 that began on or after 1 January 1990 and before 31 December of the last year of the commitment period How harvesting or forest disturbance that is followed by the re-establishment of forest is distinguished from deforestation Emissions/removals from lands harvested during the first commitment period following afforestation and reforestation on these units of land since 1990 ecific information to be reported for Article 3.4 activities: Activities under Article 3.4 that occurred since 1 January 1990 and are human induced Cropland management, grazing land management, revegetation: 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	✓ ✓ ✓ ✓	Norway has not elected CM, GM and R
Sp	Elevated CO ₂ concentrations above pre-industrial levels Indirect nitrogen deposition The dynamic effects of age structure resulting from activities prior to 1 January 1990 ecific information to be reported for Article 3.3 activities: Activities under Article 3.3 that began on or after 1 January 1990 and before 31 December of the last year of the commitment period How harvesting or forest disturbance that is followed by the re-establishment of forest is distinguished from deforestation Emissions/removals from lands harvested during the first commitment period following afforestation and reforestation on these units of land since 1990 ecific information to be reported for Article 3.4 activities: Activities under Article 3.4 that occurred since 1 January 1990 and are human induced Cropland management, grazing land management, revegetation: emissions/removals reported for each year of the	✓ ✓ ✓ ✓	Norway has not elected CM, GM and R

^a 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.3. Parties are required to report these tables on a mandatory basis commencing with the 2010 submission; however, they may elect to report these tables on a voluntary basis before this submission. Parties may also elect to report these tables for the base year or 1990.

b The Intergovernmental Panel on Climate Change *Good Practice Guidance for Land Use, Land-Use Change and Forestry*.