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Annual status report of the greenhouse gas inventory of Finland

1. This status report was prepared by the secretariat as part of the initial check of the greenhouse gas inventory submitted in accordance with decision 19/CP.8. It reflects the content of the inventory submission of 2006 as originally submitted by the Party, and of the resubmission received by 27 May 2006.
2. In this report, the following abbreviations are used:

CRF: common reporting format
LUCF: Land-use Change and Forestry
LULUCF: Land Use, Land-use Change and Forestry
NIR: national inventory report
SBDT: sectoral background data tables

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
NOx: nitrogen oxides
CO: carbon monoxide
NMVOCs: non-methane volatile organic compounds
SO₂: sulphur dioxide

INTRODUCTION																			
General information	Date of receipt	6 April 2006 (resubmission: 26 May 2006)																	
	Format	CRF provided	<input checked="" type="checkbox"/>	NIR provided	<input checked="" type="checkbox"/>														
	Base year or period ^a	1990	Emissions without adjustments for climate variations or electricity trade																
	CRF provided for years	1990–2004																	
	Gases covered	CO ₂	<input checked="" type="checkbox"/>	CH ₄	<input checked="" type="checkbox"/>	N ₂ O	<input checked="" type="checkbox"/>	HFCs	<input checked="" type="checkbox"/>	PFCs	<input checked="" type="checkbox"/>	SF ₆	<input checked="" type="checkbox"/>	NOx	<input checked="" type="checkbox"/>	CO	<input checked="" type="checkbox"/>	NMVOCS	<input checked="" type="checkbox"/>
National inventory report	Description	The organization of the NIR follows the structure as outlined in the revised UNFCCC reporting guidelines (decision 18/CP.8)																	
	Language of NIR	English																	

^a Information on the base year in this status report does not reflect or prejudge any decision that may be taken by the Party in relation to the use of 1995 as base year for HFCs, PFCs and SF₆, in accordance with Article 3.8 of the Kyoto Protocol.

PART I Provision of information for the latest reported inventory year in the CRF: 2004							
		Energy	Industrial Processes	Solvent Use	Agriculture	Land Use, Land-use Change and Forestry	Waste
Tables	Sectoral report tables	1 <input checked="" type="checkbox"/>	2(I) <input checked="" type="checkbox"/> 2(II) <input checked="" type="checkbox"/>	3 <input checked="" type="checkbox"/>	4 <input checked="" type="checkbox"/>	5 <input checked="" type="checkbox"/>	6 <input checked="" type="checkbox"/>
	Sectoral background data tables	1.A(a) <input checked="" type="checkbox"/>	2(I).A-G <input checked="" type="checkbox"/>	3.A-D <input checked="" type="checkbox"/>	4.A <input checked="" type="checkbox"/>	5.A <input checked="" type="checkbox"/>	6.A <input checked="" type="checkbox"/>
		1.A(b) <input checked="" type="checkbox"/>	2(II).C,E <input checked="" type="checkbox"/>		4.B(a) <input checked="" type="checkbox"/>	5.B <input checked="" type="checkbox"/>	6.B <input checked="" type="checkbox"/>
		1.A(c) <input checked="" type="checkbox"/>	2(II).F <input checked="" type="checkbox"/>		4.B(b) <input checked="" type="checkbox"/>	5.C <input checked="" type="checkbox"/>	6.C <input checked="" type="checkbox"/>
		1.A(d) <input checked="" type="checkbox"/>			4.C <input checked="" type="checkbox"/>	5.D <input checked="" type="checkbox"/>	
		1.B.1 <input checked="" type="checkbox"/>			4.D <input checked="" type="checkbox"/>	5.E <input checked="" type="checkbox"/>	
		1.B.2 <input checked="" type="checkbox"/>			4.E <input checked="" type="checkbox"/>	5.F <input checked="" type="checkbox"/>	
		1.C <input checked="" type="checkbox"/>			4.F <input checked="" type="checkbox"/>	5 (I) <input checked="" type="checkbox"/>	
	Bunkers separately <input checked="" type="checkbox"/>					5 (II) <input checked="" type="checkbox"/>	
						5 (III) <input checked="" type="checkbox"/>	
						5 (IV) <input checked="" type="checkbox"/>	
						5 (V) <input checked="" type="checkbox"/>	
Summary tables (emission totals)	Summary 1.A			Summary 1.B		Summary 2	<input checked="" type="checkbox"/>
	Summary 3	<input checked="" type="checkbox"/>		Table 7 (Key categories)	<input checked="" type="checkbox"/>	Table 9(a) (Completeness)	<input checked="" type="checkbox"/>
	Table 10 (Trends)	<input checked="" type="checkbox"/>				Table 9(b) (Completeness)	<input type="checkbox"/>
Comments							
Trends	Totals provided for	CO ₂	CH ₄	N ₂ O	HFCs	PFCs	SF ₆
		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Totals provided for years		1990–2004	1990–2004	1990–2004	1990–2004	1990–2004	1990–2004
CO ₂	Comparison of CO ₂ from fuel combustion	Reference approach		Sectoral approach	Difference more than 2 per cent	If difference is more than 2 per cent	
		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	Explanation provided	<input type="checkbox"/>
HFCs, PFCs, SF ₆	Disaggregation by species	HFCs		PFCs		SF ₆	
		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>			
Reporting of actual and/or potential estimates in the consumption of halocarbons and SF ₆	Actual	Potential	Actual	Potential	Actual	Potential	
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Notation keys	Used in	Summary table 1.A	<input checked="" type="checkbox"/>	Sectoral report tables	<input checked="" type="checkbox"/>	Sectoral background data tables	<input checked="" type="checkbox"/>
	Comments						

PART II

Provision of CRF tables for years reported

PART II
Provision of CRF tables for years reported (continued)

		Years													Information gaps relating to reporting ^b	Comments		
		Base year ^a	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	
Agriculture SBDT ^c	Sectoral report – Table 4		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Table 4.A		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Table 4.B(a)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Table 4.B(b)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Table 4.C		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	No data are reported in this table but notation keys NE, NA and NO are used
	Table 4.D		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Table 4.E		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	No data are reported in these tables but notation keys NA, NE and NO are used
Land Use, Land-use Change and Forestry SBDT	Sectoral report – Table 5		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Table 5.A		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Table 5.B		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Table 5.C		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Table 5.D		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Table 5.E		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Table 5.F		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Table 5 (I)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Table 5 (II)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	No data are reported in this table but notation keys NA and NE are used
	Table 5 (III)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	No data are reported in this table but notation key NE is used
	Table 5 (IV)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Table 5 (V)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	General comments on entire sector																	

PART II
Provision of CRF tables for years reported (continued)

		Years													Information gaps relating to reporting ^b	Comments	
		Base year ^a	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Waste SBDT	Sectoral report – Table 6		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Table 6.A		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Table 6.B		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Table 6.C		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Summary and other tables	Summary 1.A		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Summary 1.B		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Summary 2 (CO ₂ equivalent emissions)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Summary 3 (Methods/emission factors)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Table 7 (Key categories)		✓												✓	✓	
	Table 8(a) (Recalculation – recalculated data)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Table 8(b) (Recalculation – explanatory information)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Table 9(a) (Completeness)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Table 9(b) (Completeness)																
	Table 10 (Trends)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	

^a This Party uses 1990 as the base year.

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

For 1991–2004 for categories reported as IE no information is provided

PART III Provision of information relating to recalculation						
Table 8(a) (Recalculated data)	<input checked="" type="checkbox"/>	Comments	The Party reported its 2006 submissions using the CRF Reporter. In the 2005 submission the Party reported the LULUCF emissions/removals using the Microsoft Excel application. Thus any possible recalculations for the LULUCF are not reflected in this status report.			
Recalculation for years	1990–2003					
Recalculated sectors/gases	Energy	Industrial Processes	Solvent Use	Agriculture	Land Use, Land-use Change and Forestry	Waste
CO ₂	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
CH ₄	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
N ₂ O	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
HFCs		<input checked="" type="checkbox"/>				
PFCs		<input checked="" type="checkbox"/>				
SF ₆		<input checked="" type="checkbox"/>				
Table 8(b) (Explanatory information)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Full CRF for the recalculated base year	<input checked="" type="checkbox"/>	Percentage difference in aggregate greenhouse gas base year estimate			- with LULUCF	-29.36%
					- without LULUCF	1.02%