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Annual status report of the greenhouse gas inventory of Italy

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

INTRODUCTION													
General information	Date of receipt	18 April 2006											
	Format	CRF provided	<input checked="" type="checkbox"/>	NIR provided	<input type="checkbox"/>								
	Base year or period ^a	1990			Emissions without adjustments for climate variations or electricity trade								<input checked="" type="checkbox"/>
	CRF provided for years	1990–2004											
	Gases covered	CO ₂	CH ₄	N ₂ O	HFCs	PFCs	SF ₆	NO _x	CO	NMVOCs	SO ₂		
		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
National inventory report	Description	An NIR has not been submitted											
	Language of NIR												

^a Information on the base year in this status report does not reflect or prejudice 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							
Tables		Energy	Industrial Processes	Solvent Use	Agriculture	Land Use, Land-use Change and Forestry	Waste
	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 <input checked="" type="checkbox"/>	Summary 1.B <input checked="" type="checkbox"/>	Summary 2 <input checked="" type="checkbox"/>			
	Other tables	Summary 3 <input checked="" type="checkbox"/>	Table 7 (Key categories) ^a <input checked="" type="checkbox"/>	Table 9(a) (Completeness) ^b <input checked="" type="checkbox"/>			
Table 10 (Trends) <input checked="" type="checkbox"/>			Table 9(b) (Completeness) ^b <input type="checkbox"/>				
Comments							
Trends	Totals provided for	CO ₂	CH ₄	N ₂ O	HFCs	PFCs	SF ₆
	Totals provided for years	1990–2004 <input checked="" type="checkbox"/>	1990–2004 <input checked="" type="checkbox"/>	1990–2004 <input checked="" type="checkbox"/>	1990–2004 <input checked="" type="checkbox"/>	1990–2004 <input checked="" type="checkbox"/>	1990–2004 <input checked="" type="checkbox"/>
CO ₂	Comparison of CO ₂ from fuel combustion	Reference approach <input checked="" type="checkbox"/>	Sectoral approach <input checked="" type="checkbox"/>	Difference more than 2 per cent <input type="checkbox"/>	If difference is more than 2 per cent Explanation provided <input type="checkbox"/>		
HFCs, PFCs, SF ₆	Disaggregation by species	HFCs <input checked="" type="checkbox"/>		PFCs <input checked="" type="checkbox"/>		SF ₆	
	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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Notation keys	Used in	Summary table 1.A <input type="checkbox"/>	Sectoral report tables <input checked="" type="checkbox"/>	Sectoral background data tables <input checked="" type="checkbox"/>			
	Comments						

^a The Party used the CRF Microsoft Excel application in which table 7 (Overview) covers completeness and quality of estimates. This is not in accordance with the reporting requirements in decision 18/CP.8 (FCCC/CP/2002/7/Add.2).

^b The Party used the CRF Microsoft Excel application in which table 9 (Completeness) is one table. The Party reported table 9 (Completeness), and this is reflected in this status report by table 9(a) being ticked and table 9(b) being left blank.

PART II

Provision of CRF tables for years reported

[illegible]

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	Sectoral report – Table 4		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Table 4.A		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Table 4.B(a)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Table 4.B(b)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Table 4.C		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Table 4.D		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Table 4.E		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	No data are reported in this table but notation key NO is used
	Table 4.7		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Land Use, Land-use Change and Forestry	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)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	No data are reported in these tables but notation key NO is used
	Table 5 (II)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Table 5 (III)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	For 1991, 1992, 1996 and 2001–2003, no data are reported in this table but notation key NO and "0" are used
	Table 5 (IV)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	No data are reported in this table but notation key NO is used
	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	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) ^c		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Table 7 (Overview key categories) in the LULUCF CRF is not provided but table 7 (Overview) is reported
	Table 8(a) (Recalculation – recalculated data)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		Recalculations for LULUCF are not reported following decision 13/CP.9. The Party reported recalculations in accordance with the reporting tables as contained in the CRF adopted by decision 3/CP.5. In the 2004 CRF the column referring to the "Latest submission" has been filled in
	Table 8(b) (Recalculation – explanatory information)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	Table 9(a) (Completeness) ^d		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	Table 9(b) (Completeness) ^d																		
	Table 10 (Trends)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Trend data covering the entire time series are provided in the 2004 CRF (tables in the 1990–2003 CRFs contain data up to the year of the CRF)

^a This Party uses a base year of 1990.

^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).

^c The Party used the CRF Microsoft Excel application in which table 7 (Overview) covers completeness and quality of estimates. This is not in accordance with the reporting requirements in decision 18/CP.8 (FCCC/CP/2002/7/Add.2).

^d The Party used the CRF Microsoft Excel application in which table 9 (Completeness) is one table. The Party reported table 9 (Completeness), and this is reflected in this status report by table 9(a) being ticked and table 9(b) being left blank.

PART III						
Provision of information relating to recalculation						
Table 8(a) (Recalculated data)	<input checked="" type="checkbox"/>	Comments	The Party used the CRF Microsoft Excel application in which table 8(a) includes LUCF. This is not in accordance with the reporting requirements in decision 13/CP.9 (FCCC/SBSTA/2004/8). 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 checked="" 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 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 - without LULUCF		–2.35% 1.65%