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Annual status report of the greenhouse gas inventory of Portugal

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 2007 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
CO_2: carbon dioxide
CH_4: methane
N_2O: nitrous oxide
HFCs: hydrofluorocarbons
PFCs: perfluorocarbons
SF_6: sulphur hexafluoride
NO_X: nitrogen oxides
CO: carbon monoxide
NMVOCs: non-methane volatile organic compounds
SO_2: sulphur dioxide

INTRODUCTION											
General information	Date of receipt	CRF **13 April 2007**				NIR **13 April 2007**					
		Additional information									
	Date of resubmission	CRF				NIR					
		Additional information									
	Base year or period[a]	**1990**									
	CRF provided for years	**1990–2005**									
	Gases covered	CO_2	CH_4	N_2O	HFCs	PFCs	SF_6	NO_X	CO	NMVOCs	SO_2
		☑	☑	☑	☑	☑	☑	☑	☑	☑	☑
National inventory report	Description	**The organization of the NIR, in general, follows the structure as outlined in the revised UNFCCC reporting guidelines (decision 18/CP.8). However, some of the recommended annexes such as detailed discussion of methodology used for estimating CO_2 emissions from fossil fuels combustion, CO_2 reference approach and comparison with sectoral approach, and relevant information on the national energy balance and completeness are not provided.**									
	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 SF_6, in accordance with Article 3.8 of the Kyoto Protocol.

PART I
Provision of information for the latest reported inventory year in the CRF: 2005

		Energy	Industrial Processes	Solvent Use	Agriculture	Land Use, Land-use Change and Forestry	Waste
Tables	Sectoral report tables	1 ☑	2(I) ☑ 2(II) ☑	3 ☑	4 ☑	5 ☑	6 ☑
	Sectoral background data tables	1.A(a) ☑	2(I).A-G ☑	3.A-D ☑	4.A ☑	5.A ☑	6.A ☑
		1.A(b) ☑	2(II).C,E ☑		4.B(a) ☑	5.B ☑	6.B ☑
		1.A(c) ☑	2(II).F ☑		4.B(b) ☑	5.C ☑	6.C ☑
		1.A(d) ☑			4.C ☑	5.D ☑	
		1.B.1 ☑			4.D ☑	5.E ☑	
		1.B.2 ☑			4.E ☑	5.F ☑	
		1.C ☑			4.F ☑	5 (I) ☑	
		Bunkers separately ☑				5 (II) ☑	
						5 (III) ☑	
						5 (IV) ☑	
						5 (V) ☑	
	Summary tables (emission totals)	Summary 1.A ☑		Summary 1.B ☑		Summary 2 ☑	
	Other tables	Summary 3 ☑		Table 7 (Key categories) ☑		Table 9(a) (Completeness) ☑	
		Table 10 (Trends) ☑				Table 9(b) (Completeness) ☐	
	Comments						

		CO_2	CH_4	N_2O	HFCs	PFCs	SF_6
Trends	Totals provided for	☑	☑	☑	☑	☐	☑
	Totals provided for years	**1990–2005**	**1990–2005**	**1990–2005**	**1993–2005**		**1990–2005**

		Reference approach	Sectoral approach	Difference more than 2 per cent	If difference is more than 2 per cent
CO_2	Comparison of CO_2 from fuel combustion	☑	☑	☐	Explanation provided ☐

		HFCs		PFCs		SF_6	
HFCs, PFCs, SF_6	Disaggregation by species	☑		☑			
	Reporting of actual and/or potential estimates in the consumption of halocarbons and SF_6	Actual	Potential	Actual	Potential	Actual	Potential
		☑	☑	☐	☑	☑	☑

Notation keys	Used in	Summary table 1.A ☑	Sectoral report tables ☑	Sectoral background data tables ☑
	Comments			

PART II
Provision of CRF tables for years reported

			Years																	Information gaps relating to reporting	Comments
			Base year[a]	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005		
Energy	**Sectoral report** – Table 1			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	SBDT	Table 1.A(a)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Table 1.A(b)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Table 1.A(c)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Table 1.A(d)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Table 1.B.1		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		**For 1995–2005 no data are reported in this table, but notation keys NO, IE are used**
		Table 1.B.2		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Table 1.C		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Industrial Processes	**Sectoral reports** –	Table 2(I)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Table 2(II)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	SBDT	Table 2(I).A–G		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Table 2(II).C		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		**For 1995–2005 no data are reported in this table, but notation key NO is used and for 1990–1994 notation keys NE, NO are used**
		Table 2(II).E		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		**For 2005 no data are reported in this table, but notation keys NO, NA are used, for 1990–1994 notation keys NO, NE are used and for 1995–2004 notation key NO is used**
		Table 2(II).F		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Solvent Use	**Sectoral report** – Table 3			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	SBDT	Table 3.A–D		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		

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	2005	
Agriculture	**Sectoral report** – Table 4			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	SBDT	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.F		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Land Use, Land-use Change and Forestry	**Sectoral report** – Table 5			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	SBDT	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 this table, but notation keys IE, NO are used**
		Table 5 (II)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	**No data are reported in this table, but notation key NO is used**
		Table 5 (III)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 5 (IV)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	**No data are reported in this table, but notation keys NE, NO are used**
		Table 5 (V)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	

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

		Years																		
		Base year[a]	**1990**	**1991**	**1992**	**1993**	**1994**	**1995**	**1996**	**1997**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**Information gaps relating to reporting[b]**	**Comments**
Waste	**Sectoral report** – Table 6		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	SBDT Table 6.A		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	SBDT Table 6.B		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	SBDT 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 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).

PART III Provision of information relating to recalculation						
Table 8(a) (Recalculated data)	☑	Comments				
Recalculation for years	**1990–2004**					
Recalculated sectors/gases	Energy	Industrial Processes	Solvent Use	Agriculture	Land Use, Land-use Change and Forestry	Waste
CO_2	☑	☑	☑		☑	☑
CH_4	☑	☐		☑	☑	☑
N_2O	☑	☐	☐	☑	☑	☑
HFCs		☑				
PFCs		☐				
SF_6		☑				
Table 8(b) (Explanatory information)	☑	☑	☑	☑	☑	☑
Full CRF for the recalculated base year	☑	Percentage difference in aggregate greenhouse gas base year estimate			- with LULUCF - without LULUCF	**–0.04%** **–0.05%**