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Annual status report of the greenhouse gas inventory of Monaco

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	16 June 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							<input checked="" type="checkbox"/>
	CRF provided for years	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	The organization of the NIR, in general, follows the structure as outlined in the revised UNFCCC reporting guidelines (decision 18/CP.8). However, most of the chapters have been restructured and the recommended Annexes have not been provided, except for an Annex containing a description of the methodology of emissions calculation for the Energy and Waste sectors.										
	Language of NIR	French										

^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 type="checkbox"/>	4.A <input checked="" type="checkbox"/>	5.A <input 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 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 type="checkbox"/>	6.C <input checked="" type="checkbox"/>
		1.A(d) <input checked="" type="checkbox"/>			4.C <input checked="" type="checkbox"/>	5.D <input 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 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 type="checkbox"/>	
				5 (III) <input type="checkbox"/>			
				5 (IV) <input type="checkbox"/>			
				5 (V) <input 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 type="checkbox"/>				
	Table 10 (Trends) <input checked="" type="checkbox"/>		Table 9(b) (Completeness) ^b <input type="checkbox"/>				
Comments							
Trends	Totals provided for	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 type="checkbox"/>
	Totals provided for years	1990–2004	1990–2004	1990–2004	1995–2004	2001–2004	
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	
		Actual <input checked="" type="checkbox"/>	Potential <input type="checkbox"/>	Actual <input checked="" type="checkbox"/>	Potential <input type="checkbox"/>	Actual <input type="checkbox"/>	Potential <input type="checkbox"/>
	Reporting of actual and/or potential estimates in the consumption of halocarbons and SF ₆	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input 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	Frequent use of “0” instead of data or notation keys					

^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.

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																	✓		No data or notation keys are reported in this table. "0" has been used for filling in the table
	Table 4.A																	✓		No data are reported in this table but notation key NO is used
	Table 4.B(a)																	✓		
	Table 4.B(b)																	✓		
	Table 4.C																	✓	✓	No data are reported in this table but notation key NO and "0" are used
	Table 4.D																	✓		
	Table 4.E																	✓		
	Table 4.F																	✓		No data are reported in this table but notation key NO and "0" are used
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 this table but notation key NO is used
	Table 5 (II)																			
	Table 5 (III)																			
	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	Sectoral report – Table 6																	✓			
	SBDT	Table 6.A																	✓	No data are provided in this table but notation key NO and “0” are used	
		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																	✓	Overview table 7 is reported but table 7 (Overview for key categories) in the LULUCF CRF is not provided	
		Table 8(a) (Recalculation – recalculated data)																	✓	✓	
		Table 8(b) (Recalculation – explanatory information)																	✓		
		Table 9(a) (Completeness) ^d																			
		Table 9(b) (Completeness) ^d																			
		Table 10 (Trends)																		✓	✓
		Table 10 (Trends)																	✓	Trend tables are reported in the CRF but not in the LULUCF 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.

PART III
Provision of information relating to recalculation

Table 8(a) (Recalculated data)	<input checked="" type="checkbox"/>	Comments	Recalculations for 2003 are reported in the CRF for 2004			
Recalculation for years	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 type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
CH ₄	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
N ₂ O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
HFCs		<input type="checkbox"/>				
PFCs		<input type="checkbox"/>				
SF ₆		<input type="checkbox"/>				
Table 8(b) (Explanatory information)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Full CRF for the recalculated base year	<input type="checkbox"/>	Percentage difference in aggregate greenhouse gas base year estimate			- with LULUCF	%
					- without LULUCF	%

⋮