



Annual status report of the greenhouse gas inventory of Liechtenstein

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	30 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						<input checked="" type="checkbox"/>
	CRF provided for years	1990 and 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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
National inventory report	Description	<p>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 (e.g. on the CO₂ reference approach, assessment of completeness, tables 6.1 and 6.2 of the Intergovernmental Panel on Climate Change <i>Good Practice Guidance and Uncertainty Management in National Greenhouse Gas Inventories</i> have not been provided.</p>									
	Language of NIR	English									

^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 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 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 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) <input 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 <input checked="" type="checkbox"/>	CH ₄ <input checked="" type="checkbox"/>	N ₂ O <input checked="" type="checkbox"/>	HFCs <input checked="" type="checkbox"/>	PFCs <input type="checkbox"/>	SF ₆ <input checked="" type="checkbox"/>
	Totals provided for years	1990 and 2004	1990 and 2004	1990 and 2004	1990 and 2004		2004
CO ₂	Comparison of CO ₂ from fuel combustion	Reference approach <input 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 type="checkbox"/>		SF ₆	
		Actual <input checked="" type="checkbox"/>	Potential <input type="checkbox"/>	Actual <input type="checkbox"/>	Potential <input type="checkbox"/>	Actual <input checked="" type="checkbox"/>	Potential <input type="checkbox"/>
	Reporting of actual and/or potential estimates in the consumption of halocarbons and SF ₆	Actual <input checked="" type="checkbox"/>	Potential <input type="checkbox"/>	Actual <input type="checkbox"/>	Potential <input type="checkbox"/>	Actual <input checked="" type="checkbox"/>	Potential <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	Use of notation keys is limited in some tables					

PART II
Provision of CRF tables for years reported

		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	
Energy	Sectoral report – Table 1		✓														✓	✓		
	SBDT	Table 1.A(a)		✓														✓	✓	
		Table 1.A(b)		✓														✓	✓	No data are reported in this table but notation key NO is used
		Table 1.A(c)		✓														✓	✓	The reference approach is not provided, only the sectoral approach data are shown in the table
		Table 1.A(d)		✓														✓		No data are reported in these tables but notation key NO is used
		Table 1.B.1		✓														✓		
		Table 1.B.2		✓														✓	✓	
		Table 1.C		✓														✓		No data are reported in this table but notation keys NE and NO are used
Industrial Processes	Sectoral reports –	Table 2(I)		✓													✓	✓		
		Table 2(II)		✓														✓	✓	For 1990, no data are reported in this table but notation key NO is used
	SBDT	Table 2(I).A–G		✓														✓		No data are reported in this table but notation keys NE and NO are used
		Table 2(II).C, E		✓														✓		No data are reported in this table but notation key NO is used
		Table 2(II).F		✓														✓		For 1990, no data are reported in this table but notation keys NE, NO and “0” are used
Solvent Use	Sectoral report – Table 3		✓														✓	✓	No data are reported in this table but notation keys NE and NO are used	
	SBDT	Table 3.A–D		✓														✓	✓	No data are reported in this table but notation keys NE and NO are used

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	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 key NO is used	
		Table 4.D	✓																✓			
		Table 4.E																				
Table 4.F	✓																✓		No data are reported in this table but notation key NO is used			
Land Use, Land-use Change and Forestry	SBDT	Sectoral report – Table 5	✓															✓	✓			
		Table 5.A	✓																✓			
		Table 5.B	✓																✓		No data are reported in these tables but notation key NE is used	
		Table 5.C	✓																✓		No data are reported in this table but notation keys NE and NO are used	
		Table 5.D	✓																✓		No data are reported in these tables but notation key NE is used	
		Table 5.E	✓																✓		No data are reported in this table but notation key NO is used	
		Table 5.F	✓																✓		No data are reported in these tables but notation key NE is used	
		Table 5 (I)	✓																✓		No data are reported in this table but notation key NO is used	
		Table 5 (II)	✓																	✓		No data are reported in this table but notation keys NE and NO are used
		Table 5 (III)	✓																	✓		No data are reported in this table but notation key NE is used
		Table 5 (IV)	✓																	✓		No data are reported in this table but notation key NO is used
		Table 5 (V)	✓																	✓	✓	No data are reported in this table but notation keys NE and NO are used
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 reported in this table but notation key NO is 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)																			
		Table 8(a) (Recalculation – recalculated data)		✓																	
		Table 8(b) (Recalculation – explanatory information)																			
		Table 9(a) (Completeness)		✓															✓	✓	For categories reported as NE no information is provided
		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)	<input checked="" type="checkbox"/>	Comments				
Recalculation for years	1990					
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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
N ₂ O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
HFCs		<input type="checkbox"/>				
PFCs		<input type="checkbox"/>				
SF ₆		<input type="checkbox"/>				
Table 8(b) (Explanatory information)	<input 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 checked="" type="checkbox"/>	Percentage difference in aggregate greenhouse gas base year estimate			- with LULUCF	72.26%
				- without LULUCF	106.99%	

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