Summary of GHG Emissions for United Kingdom of Great Britain and Northern Ireland
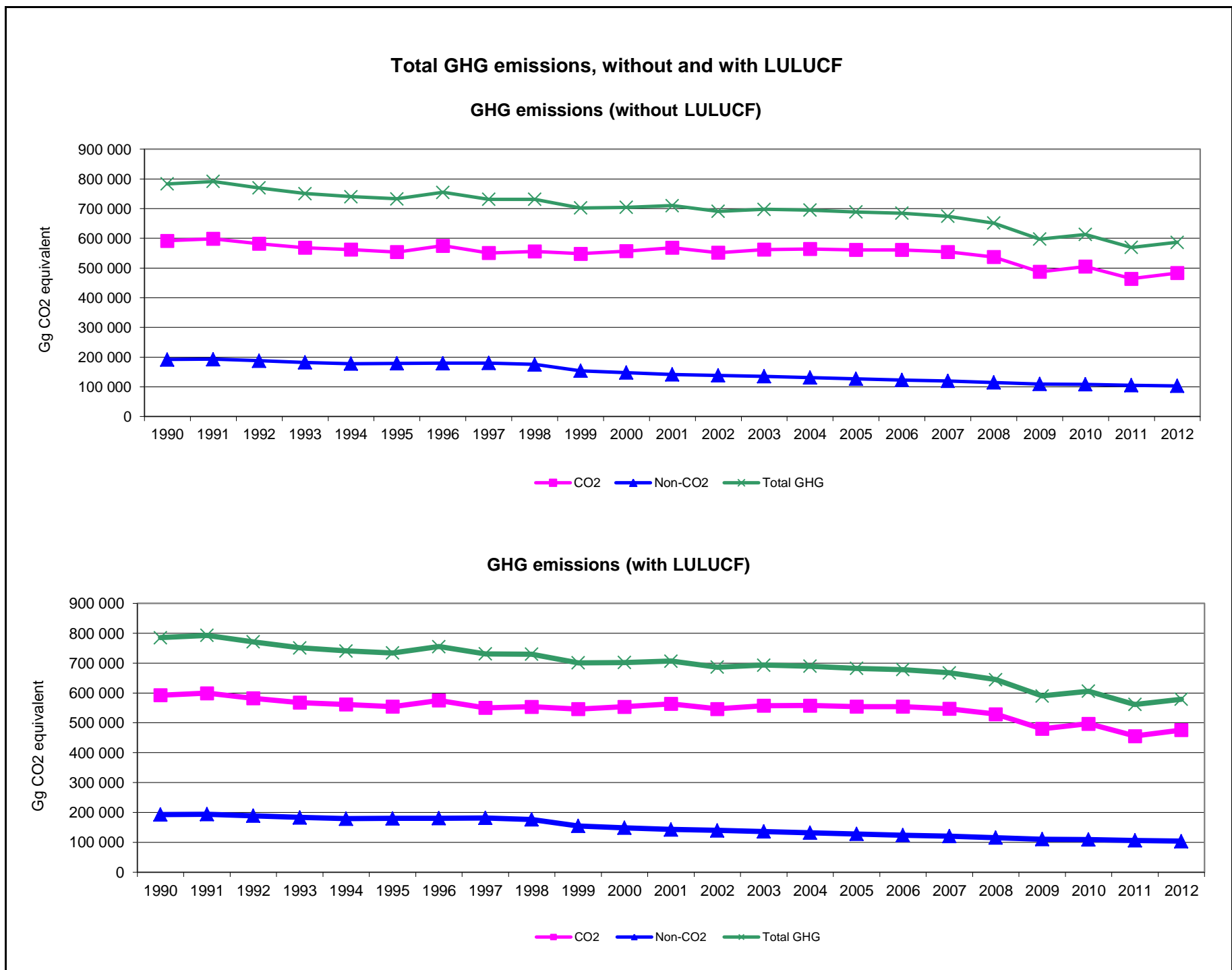
Base year (Convention) = 1990
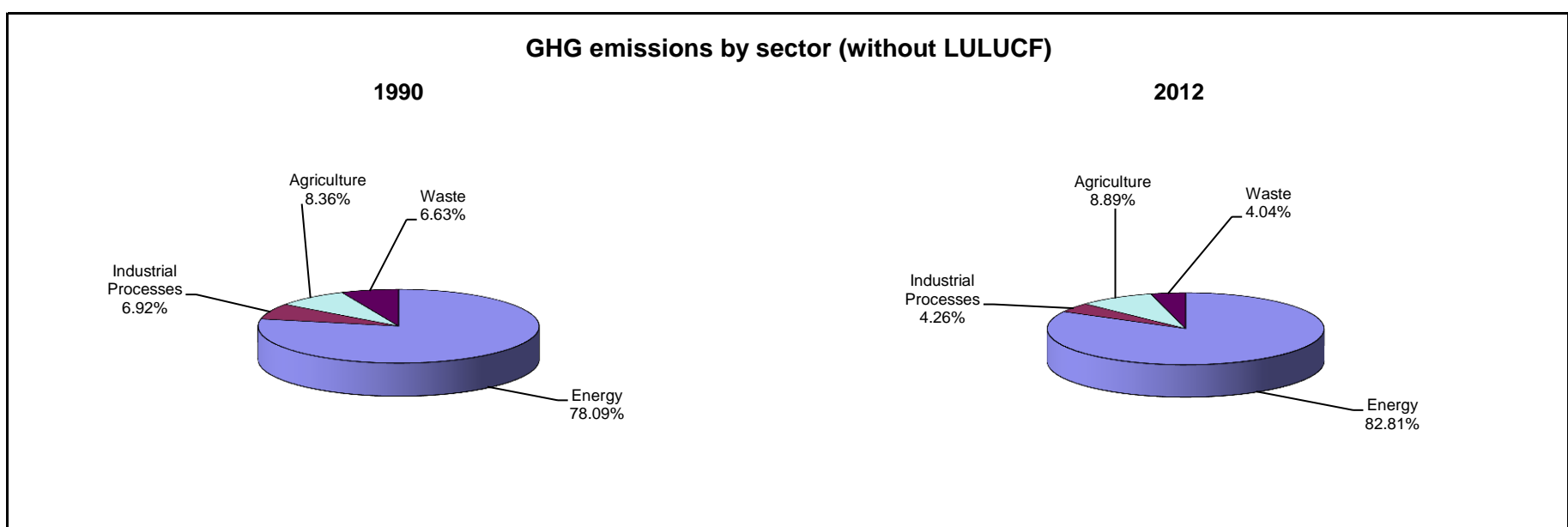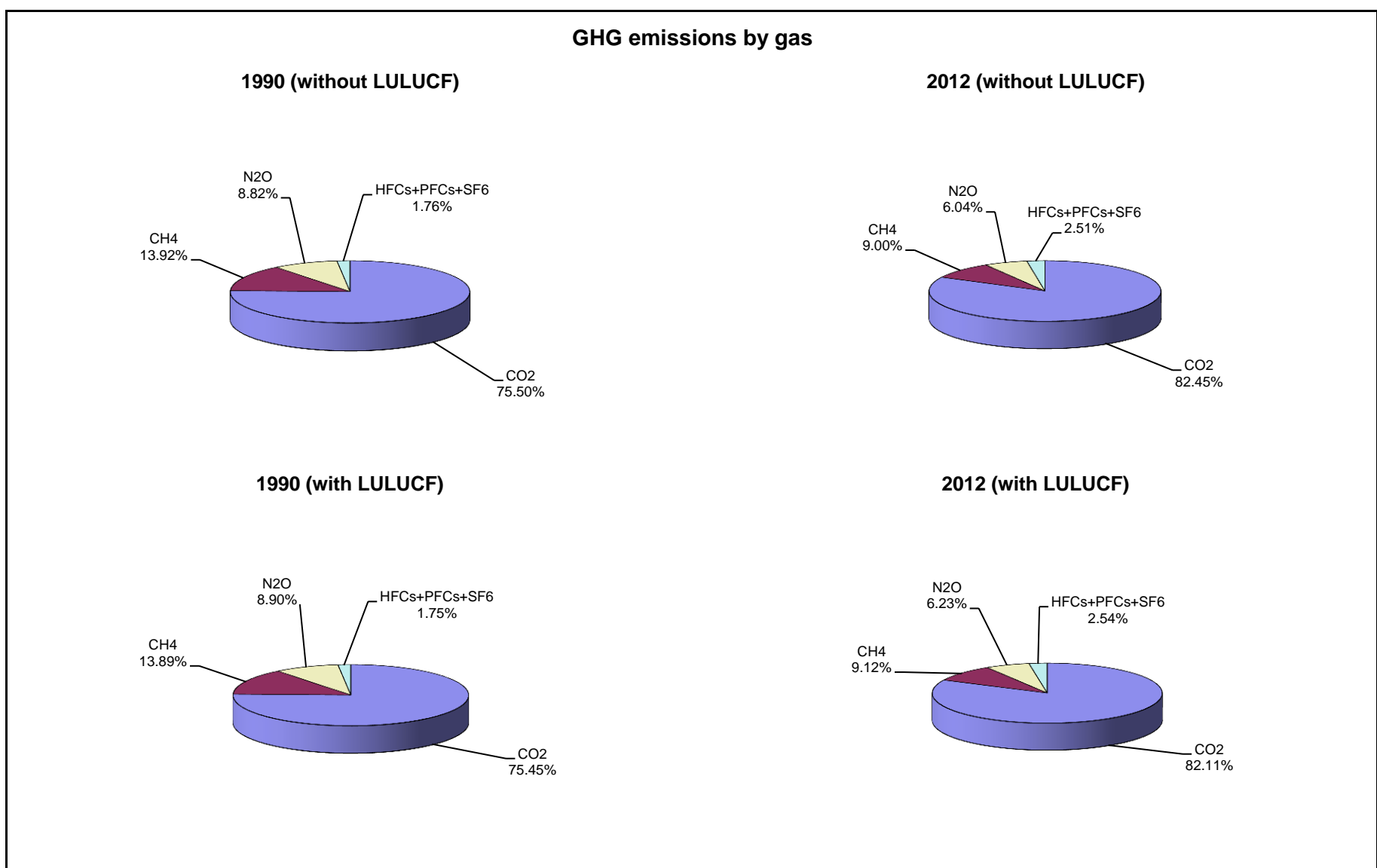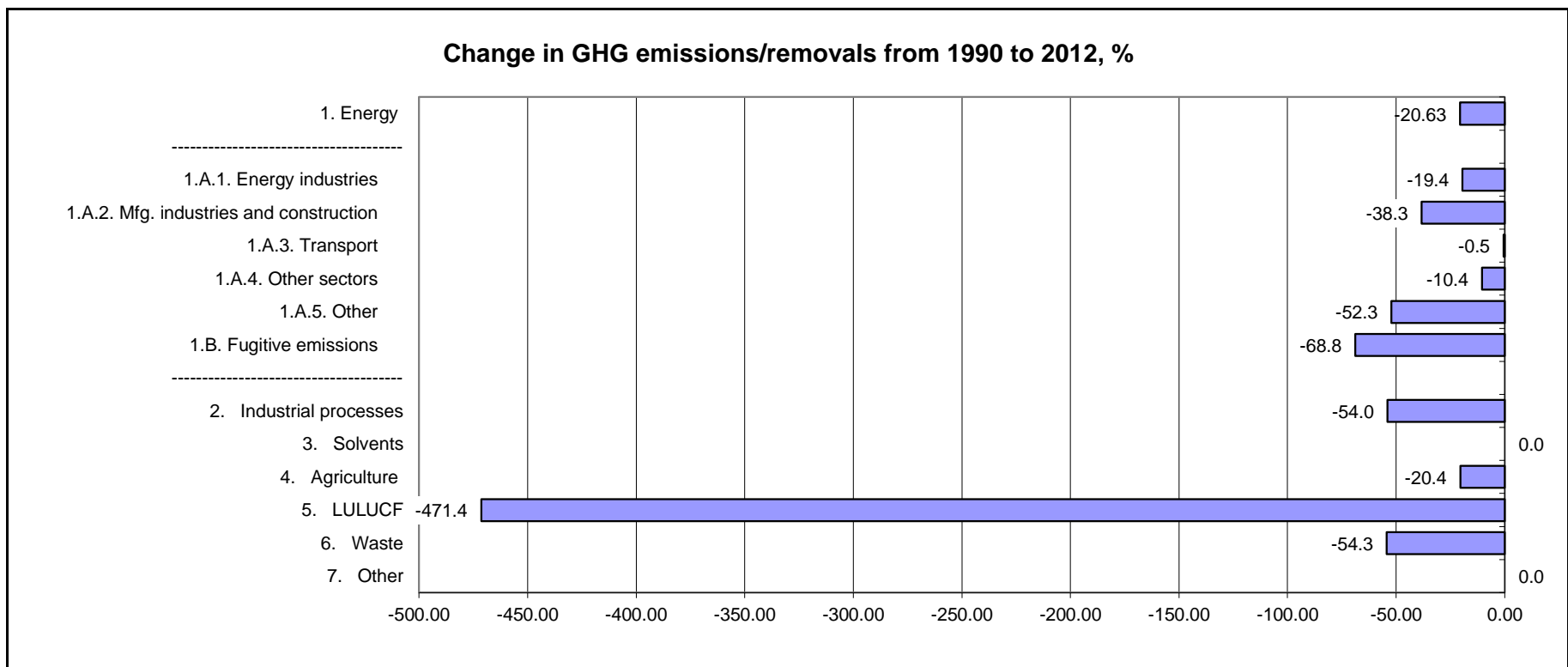
	Emissions, in Gg CO$_2$ equivalent		
	1990	**2000**	**2012**
CO$_2$ emissions without LULUCF	591 499.3	556 667.2	483 423.6
CO$_2$ net emissions/removals by LULUCF	1 015.4	-2 984.5	-7 712.0
CO$_2$ net emissions/removals with LULUCF	592 514.8	553 682.6	475 711.7
GHG emissions without LULUCF	783 412.3	704 435.3	586 357.1
GHG net emissions/removals by LULUCF	1 879.0	-2 092.7	-6 978.4
GHG net emissions/removals with LULUCF	785 291.3	702 342.7	579 378.7

	Changes in emissions, in per cent		
	From 1990 to 2000	**From 2000 to 2012**	**From 1990 to 2012**
CO$_2$ emissions without LULUCF	-5.9	-13.2	-18.3
CO$_2$ net emissions/removals by LULUCF	--	158.4	--
CO$_2$ net emissions/removals with LULUCF	-6.6	-14.1	-19.7
GHG emissions without LULUCF	-10.1	-16.8	-25.2
GHG net emissions/removals by LULUCF	--	233.5	--
GHG net emissions/removals with LULUCF	-10.6	-17.5	-26.2

	Average annual growth rates, in per cent per year		
	From 1990 to 2000	**From 2000 to 2012**	**From 1990 to 2012**
CO$_2$ emissions without LULUCF	-0.6	-1.2	-0.9
CO$_2$ net emissions/removals by LULUCF	--	8.2	--
CO$_2$ net emissions/removals with LULUCF	-0.7	-1.3	-1.0
GHG emissions without LULUCF	-1.1	-1.5	-1.3
GHG net emissions/removals by LULUCF	--	10.6	--
GHG net emissions/removals with LULUCF	-1.1	-1.6	-1.4

The base year under the Climate Change Convention is 1990 except for Bulgaria (1988), Hungary (average of 1985 to 1987), Poland (1988), Romania (1989) and Slovenia (1986), as defined by decisions 9/CP.2 and 11/CP.4.

Total GHG emissions, without and with LULUCF

GHG emissions (without LULUCF)

GHG emissions (with LULUCF)

Change in GHG emissions/removals from 1990 to 2012, %

Sector	Value
1. Energy	-20.63
1.A.1. Energy industries	-19.4
1.A.2. Mfg. industries and construction	-38.3
1.A.3. Transport	-0.5
1.A.4. Other sectors	-10.4
1.A.5. Other	-52.3
1.B. Fugitive emissions	-68.8
2. Industrial processes	-54.0
3. Solvents	0.0
4. Agriculture	-20.4
5. LULUCF	-471.4
6. Waste	-54.3
7. Other	0.0

GHG emissions by gas

1990 (without LULUCF)

- N2O 8.82%
- HFCs+PFCs+SF6 1.76%
- CH4 13.92%
- CO2 75.50%

2012 (without LULUCF)

- N2O 6.04%
- HFCs+PFCs+SF6 2.51%
- CH4 9.00%
- CO2 82.45%

1990 (with LULUCF)

- N2O 8.90%
- HFCs+PFCs+SF6 1.75%
- CH4 13.89%
- CO2 75.45%

2012 (with LULUCF)

- N2O 6.23%
- HFCs+PFCs+SF6 2.54%
- CH4 9.12%
- CO2 82.11%

GHG emissions by sector (without LULUCF)

1990

- Agriculture 8.36%
- Waste 6.63%
- Industrial Processes 6.92%
- Energy 78.09%

2012

- Agriculture 8.89%
- Waste 4.04%
- Industrial Processes 4.26%
- Energy 82.81%

United Nations
Climate Change Secretariat

Breakdown of GHG emissions within the energy sector

1990

1.B. Fugitive emissions 5.78%

1.A.5. Other 0.87%

1.A.4. Other sectors 18.06%

1.A.3. Transport 19.02%

1.A.2. Man. industries and construction 17.41%

1.A.1. Energy industries 38.86%

2012

1.B. Fugitive emissions 2.27%

1.A.5. Other 0.52%

1.A.4. Other sectors 20.38%

1.A.3. Transport 23.83%

1.A.2. Man. industries and construction 13.54%

1.A.1. Energy industries 39.46%
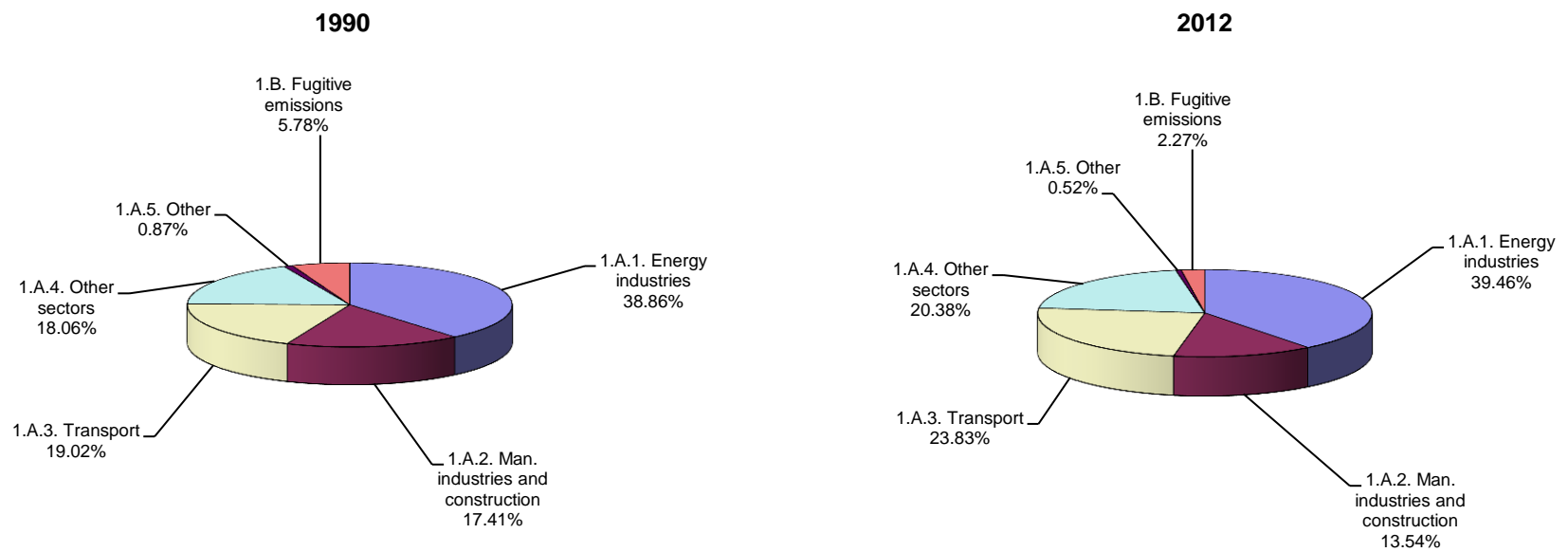
Breakdown of GHG emissions within the industrial processes sector

1990

2.F Consumption of Halocarbons and SF6 1.20%

2.E Production of Halocarbons and SF6 20.99%

2.C Metal Production 7.54%

2.B Chemical Industry 50.86%

2.A Mineral Products 19.41%

2012

2.F Consumption of Halocarbons and SF6 57.63%

2.E Production of Halocarbons and SF6 0.57%

2.C Metal Production 4.54%

2.B Chemical Industry 11.21%

2.A Mineral Products 26.05%
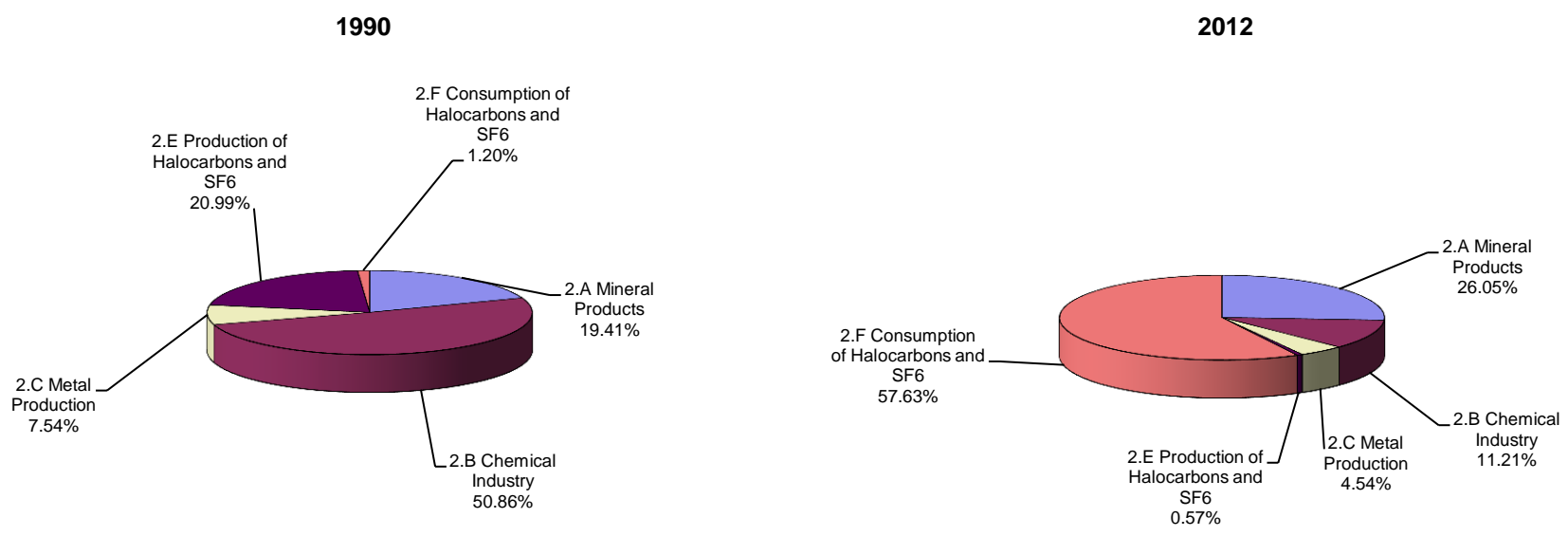
Breakdown of GHG emissions within the agriculture sector

1990

4.F Field Burning of Agricultural Residues 0.53%

4.G Other 0.14%

4.A Enteric Fermentation 29.03%

4.D Agricultural Soils 51.46%

4.B Manure Management 18.85%

2012

4.F Field Burning of Agricultural Residues 0.00%

4.G Other 0.15%

4.A Enteric Fermentation 30.03%

4.D Agricultural Soils 51.99%

4.B Manure Management 17.84%
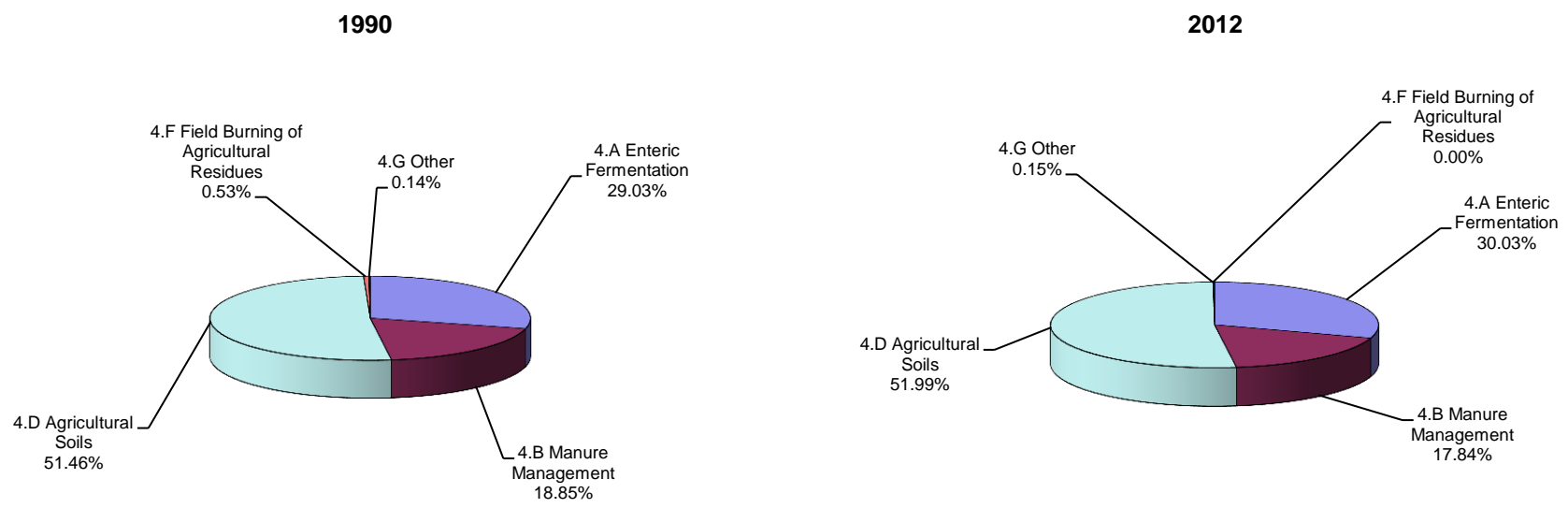
Breakdown of GHG emissions/removals within the LULUCF sector, (Gg CO$_2$ equivalent)

1990

Category	Value
5.A Forest Land	-15844.3
5.B Cropland	16553.6
5.C Grassland	-6273.9
5.D Wetlands	485.7
5.E Settlements	6898.7
5.F Other Land	0.0
5.G Other	59.2

2012

Category	Value
5.A Forest Land	-16637.1
5.B Cropland	11745.8
5.C Grassland	-7661.7
5.D Wetlands	359.8
5.E Settlements	6383.2
5.F Other Land	0.0
5.G Other	-1168.3

Breakdown of GHG emissions within the waste sector

1990

- 6.C Waste Incineration 2.86%
- 6.B Wastewater Handling 5.49%
- 6.A Solid Waste Disposal on Land 91.65%

2012

- 6.C Waste Incineration 1.36%
- 6.B Wastewater Handling 11.87%
- 6.A Solid Waste Disposal on Land 86.77%