



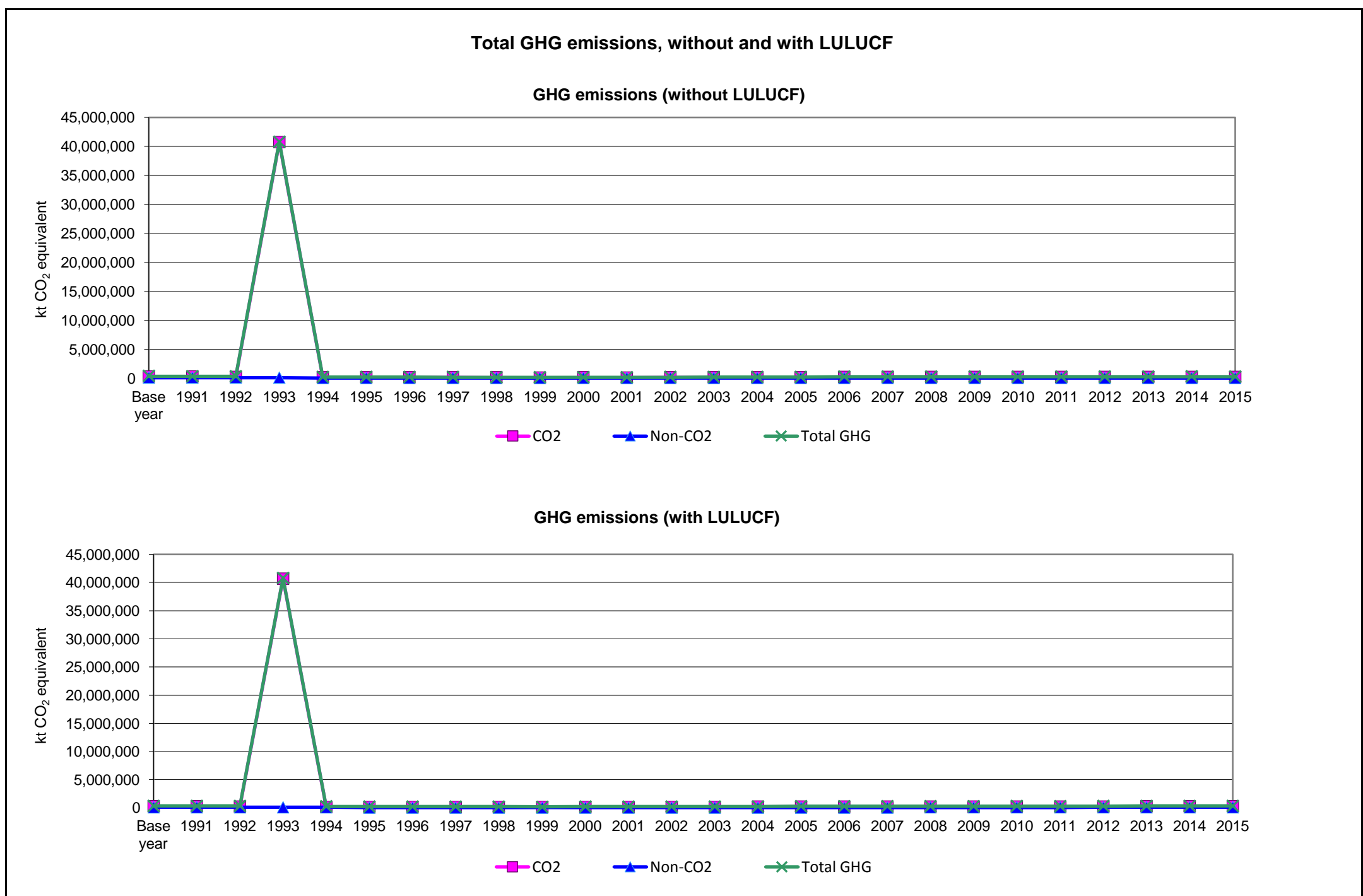
Summary of GHG Emissions for Kazakhstan Base year (Convention) = 1990

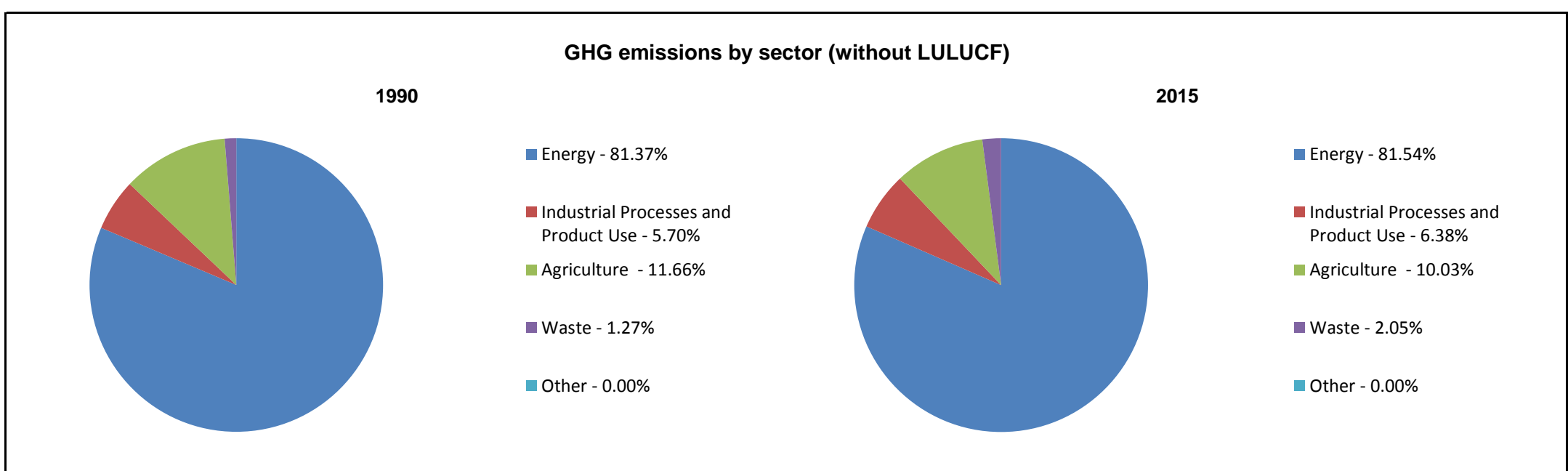
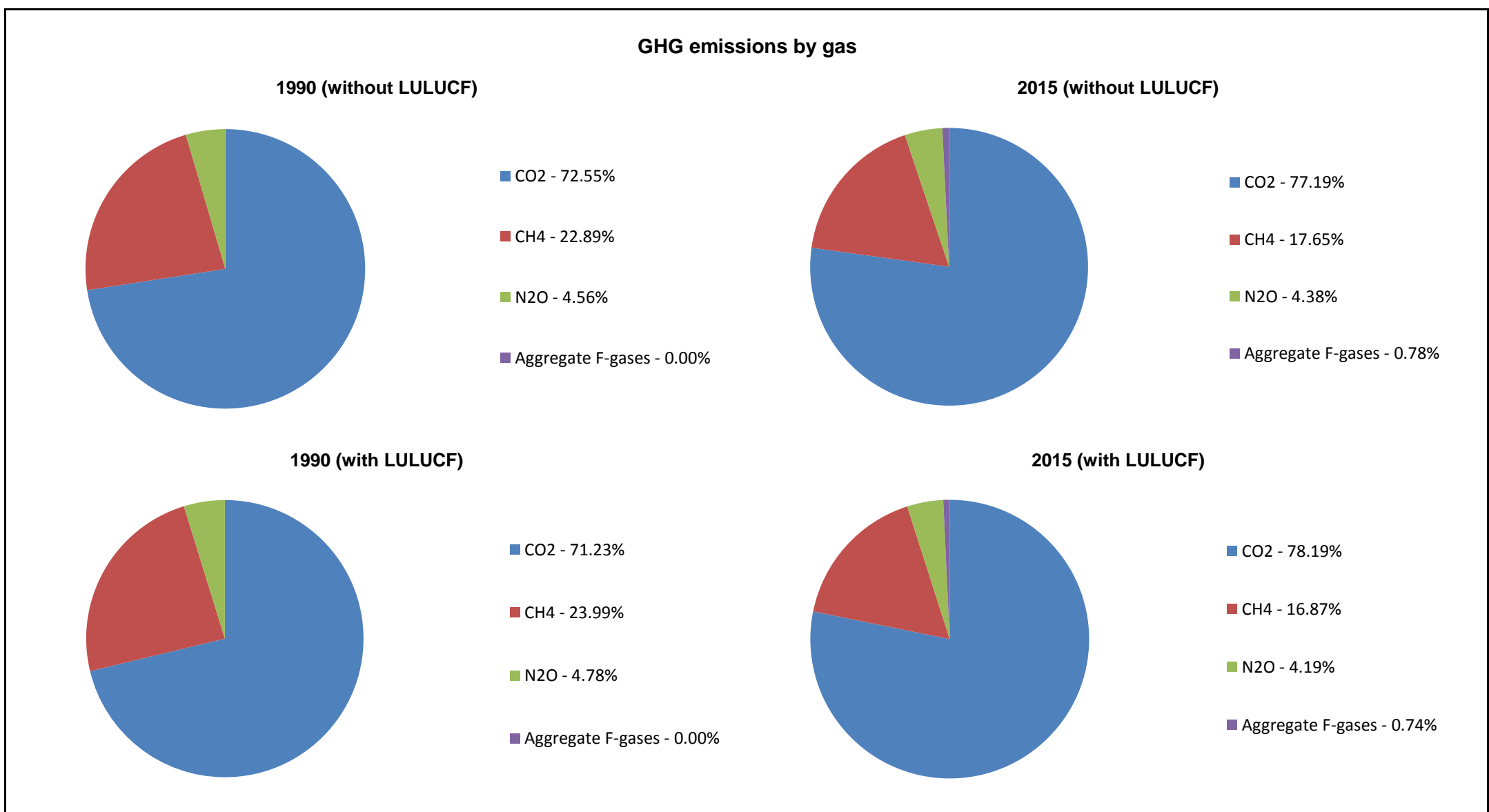
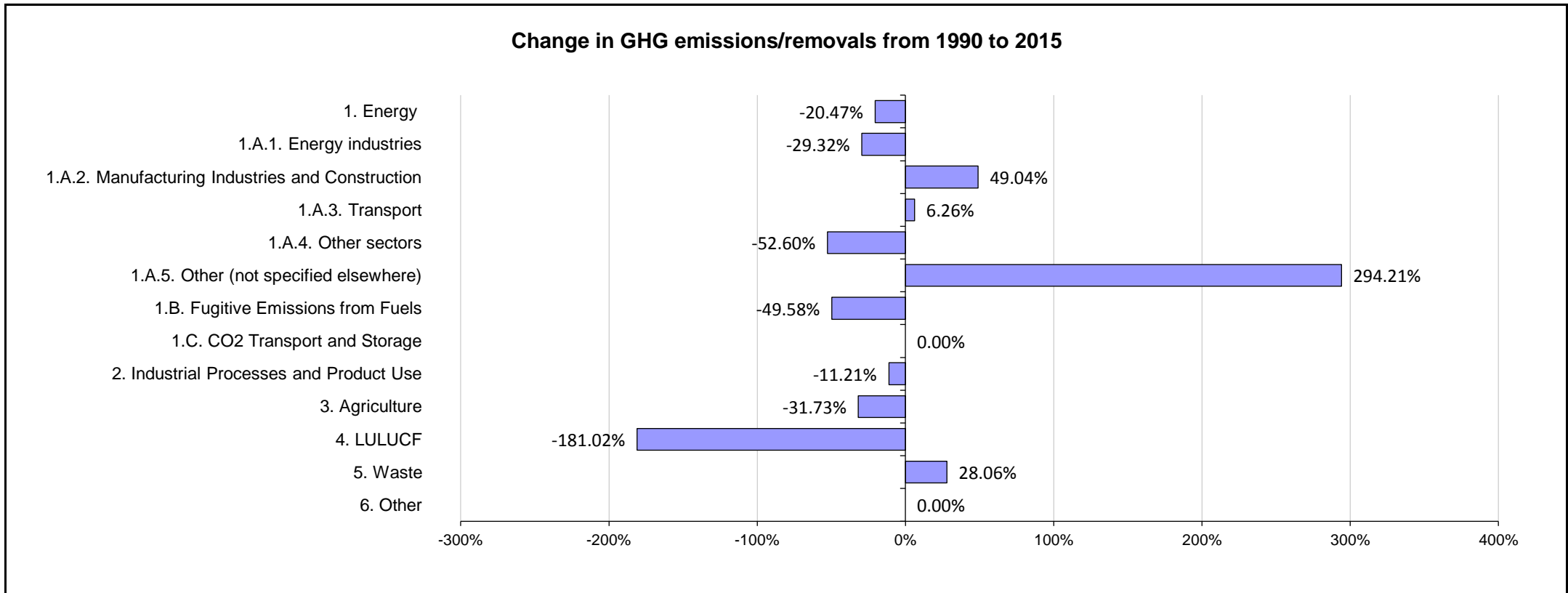
	Emissions, in kt CO ₂ equivalent		
	Base year	2000	Last Inventory Year (2015)
CO ₂ emissions without LULUCF	272,490.0	138,977.0	230,078.8
CO ₂ net emissions/removals by LULUCF	-17,284.4	16,983.3	13,927.7
CO ₂ net emissions/removals with LULUCF	255,205.6	155,960.2	244,006.5
GHG emissions without LULUCF	375,565.1	189,956.3	298,069.6
GHG net emissions/removals by LULUCF	-17,273.2	17,094.1	13,993.9
GHG net emissions/removals with LULUCF	358,291.9	207,050.5	312,063.6
Indirect CO ₂	NA,NO	NA,NO	NO,NA

	Changes in emissions, in percent		
	From Base year to 2000	From 2000 to Last Inventory Year (2015)	From Base year to Last Inventory Year (2015)
CO ₂ emissions without LULUCF	-49.00%	65.55%	-15.56%
CO ₂ net emissions/removals by LULUCF	-198.26%	-17.99%	-180.58%
CO ₂ net emissions/removals with LULUCF	-38.89%	56.45%	-4.39%
GHG emissions without LULUCF	-49.42%	56.91%	-20.63%
GHG net emissions/removals by LULUCF	-198.96%	-18.14%	-181.02%
GHG net emissions/removals with LULUCF	-42.21%	50.72%	-12.90%

	Average annual growth rates, in percent per year		
	From Base year to 2000	From 2000 to Last Inventory Year (2015)	From Base year to Last Inventory Year (2015)
CO ₂ emissions without LULUCF	-6.51%	3.42%	-0.67%
CO ₂ net emissions/removals by LULUCF	-	-1.31%	-
CO ₂ net emissions/removals with LULUCF	-4.81%	3.03%	-0.18%
GHG emissions without LULUCF	-6.59%	3.05%	-0.92%
GHG net emissions/removals by LULUCF	-	-1.33%	-
GHG net emissions/removals with LULUCF	-5.34%	2.77%	-0.55%

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.

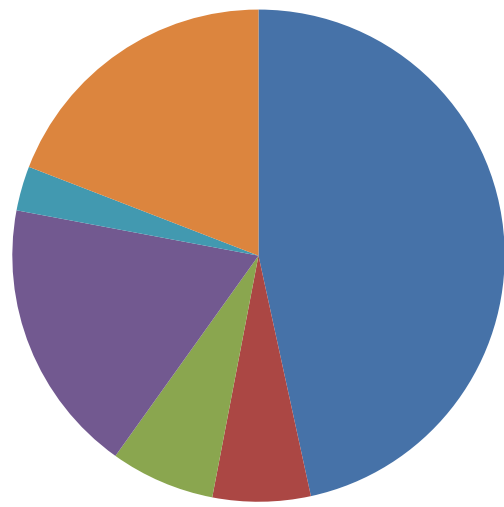






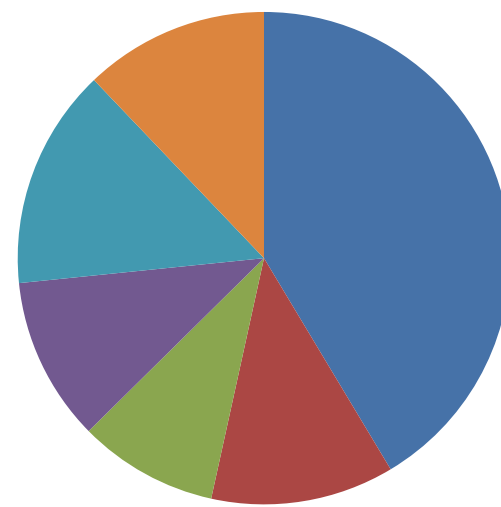
Breakdown of GHG emissions within the energy sector

1990



- 1.A.1. Energy industries - 46.59%
- 1.A.2. Manufacturing Industries and Construction - 6.43%
- 1.A.3. Transport - 6.86%
- 1.A.4. Other sectors - 18.08%
- 1.A.5. Other (not specified elsewhere) - 2.92%
- 1.B. Fugitive Emissions from Fuels - 19.13%
- 1.C. CO2 Transport and Storage - 0.00%

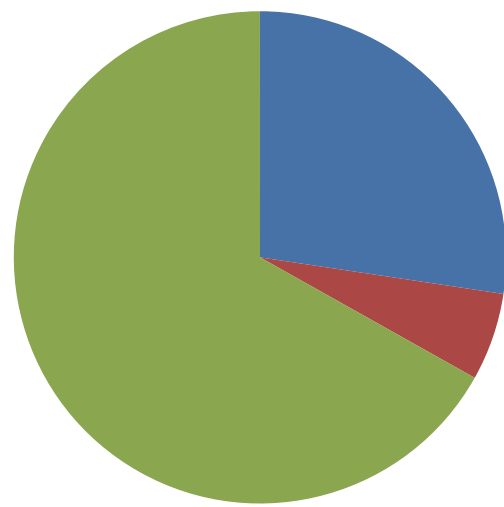
2015



- 1.A.1. Energy industries - 41.40%
- 1.A.2. Manufacturing Industries and Construction - 12.04%
- 1.A.3. Transport - 9.17%
- 1.A.4. Other sectors - 10.77%
- 1.A.5. Other (not specified elsewhere) - 14.49%
- 1.B. Fugitive Emissions from Fuels - 12.13%
- 1.C. CO2 Transport and Storage - 0.00%

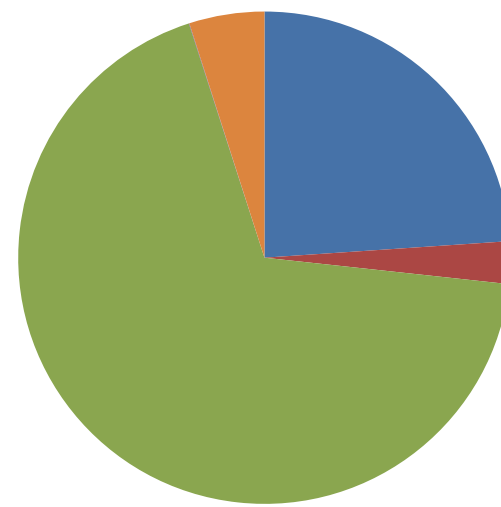
Breakdown of GHG emissions within the industrial processes and product use sector

1990



- 2.A. Mineral Products - 27.38%
- 2.B. Chemical Industry - 5.77%
- 2.C. Metal Production - 66.85%
- 2.D. Non-energy Products from Fuels and Solvent Use - 0.01%
- 2.E. Electronics industry - 0.00%
- 2.F. Product Uses as Substitutes for ODS - 0.00%
- 2.G. Other Product Manufacture and Use - 0.00%
- 2.H. Other - 0.00%

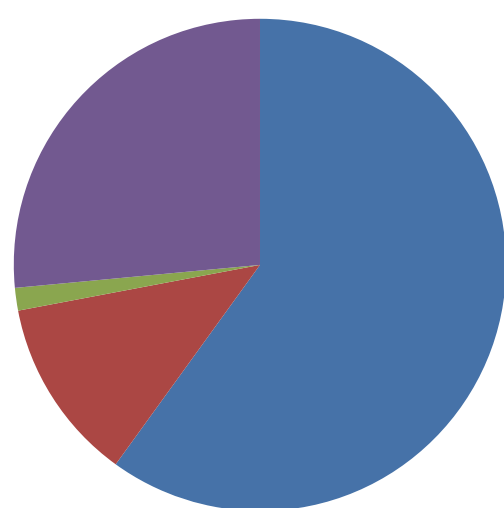
2015



- 2.A. Mineral Products - 23.93%
- 2.B. Chemical Industry - 2.79%
- 2.C. Metal Production - 68.32%
- 2.D. Non-energy Products from Fuels and Solvent Use - 0.03%
- 2.E. Electronics industry - 0.00%
- 2.F. Product Uses as Substitutes for ODS - 4.94%
- 2.G. Other Product Manufacture and Use - 0.00%
- 2.H. Other - 0.00%

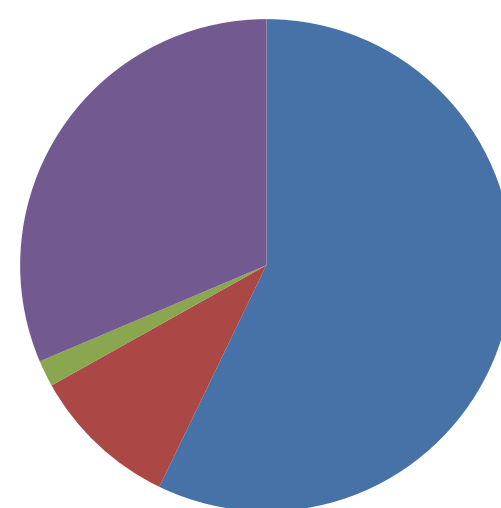
Breakdown of GHG emissions within the agriculture sector

1990



- 3.A. Enteric Fermentation - 59.97%
- 3.B. Manure management - 12.06%
- 3.C. Rice cultivation - 1.49%
- 3.D. Agricultural Soils - 26.49%
- 3.E. Prescribed Burning of Savannas - 0.00%
- 3.F. Field Burning of Agricultural Residues - 0.00%
- 3.G. Liming - 0.00%
- 3.H. Urea Application - 0.00%
- 3.I. Other Carbon-containing Fertilizers - 0.00%
- 3.J. Other - 0.00%

2015

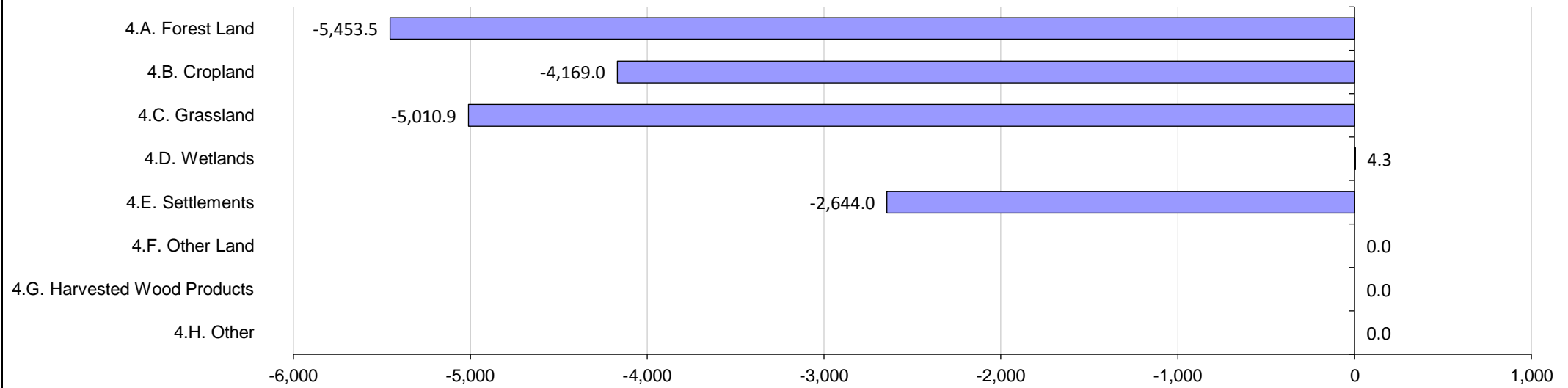


- 3.A. Enteric Fermentation - 57.16%
- 3.B. Manure management - 9.72%
- 3.C. Rice cultivation - 1.74%
- 3.D. Agricultural Soils - 31.38%
- 3.E. Prescribed Burning of Savannas - 0.00%
- 3.F. Field Burning of Agricultural Residues - 0.00%
- 3.G. Liming - 0.00%
- 3.H. Urea Application - 0.00%
- 3.I. Other Carbon-containing Fertilizers - 0.00%
- 3.J. Other - 0.00%

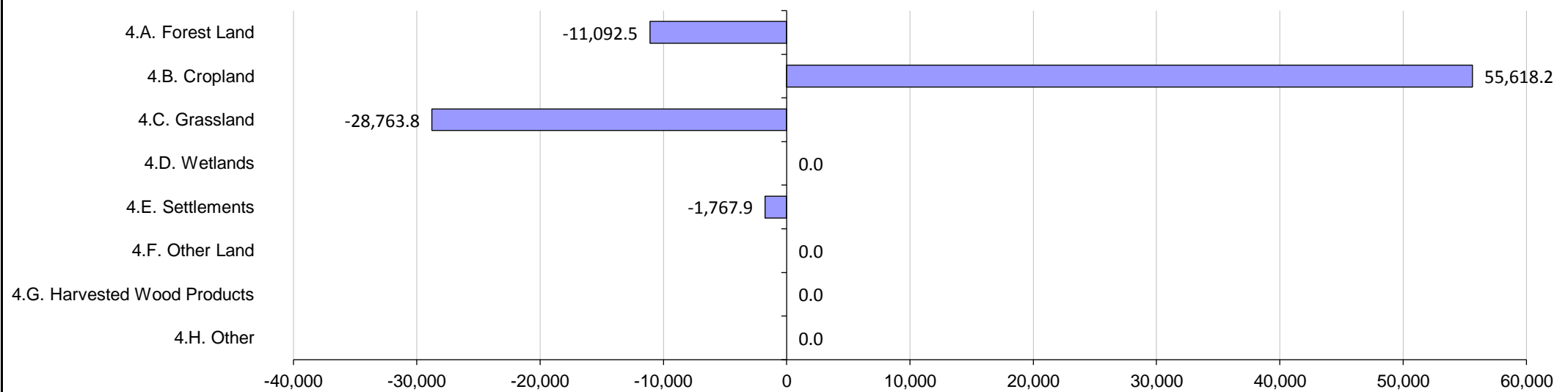


Breakdown of GHG emissions/removals within the LULUCF sector (kt CO₂ equivalent)

1990

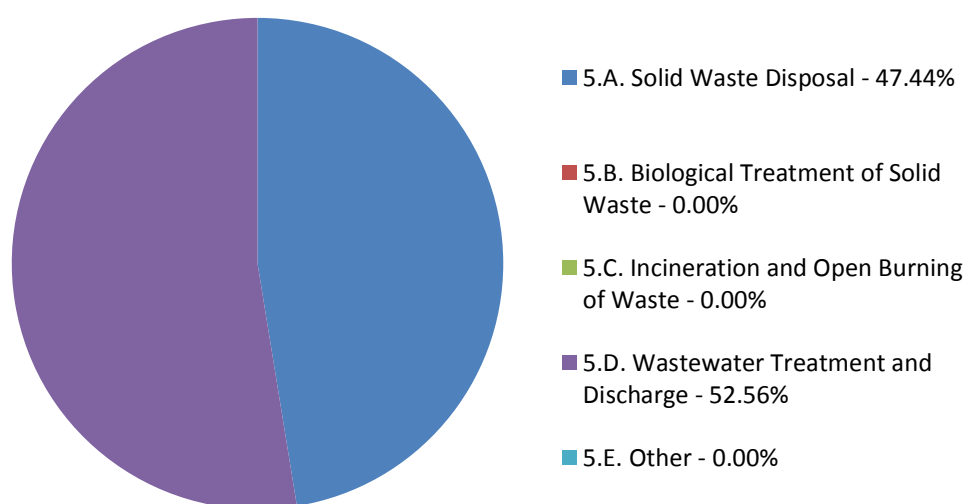


2015



Breakdown of GHG emissions within the waste sector

1990



2015

