



Summary of GHG Emissions for Portugal

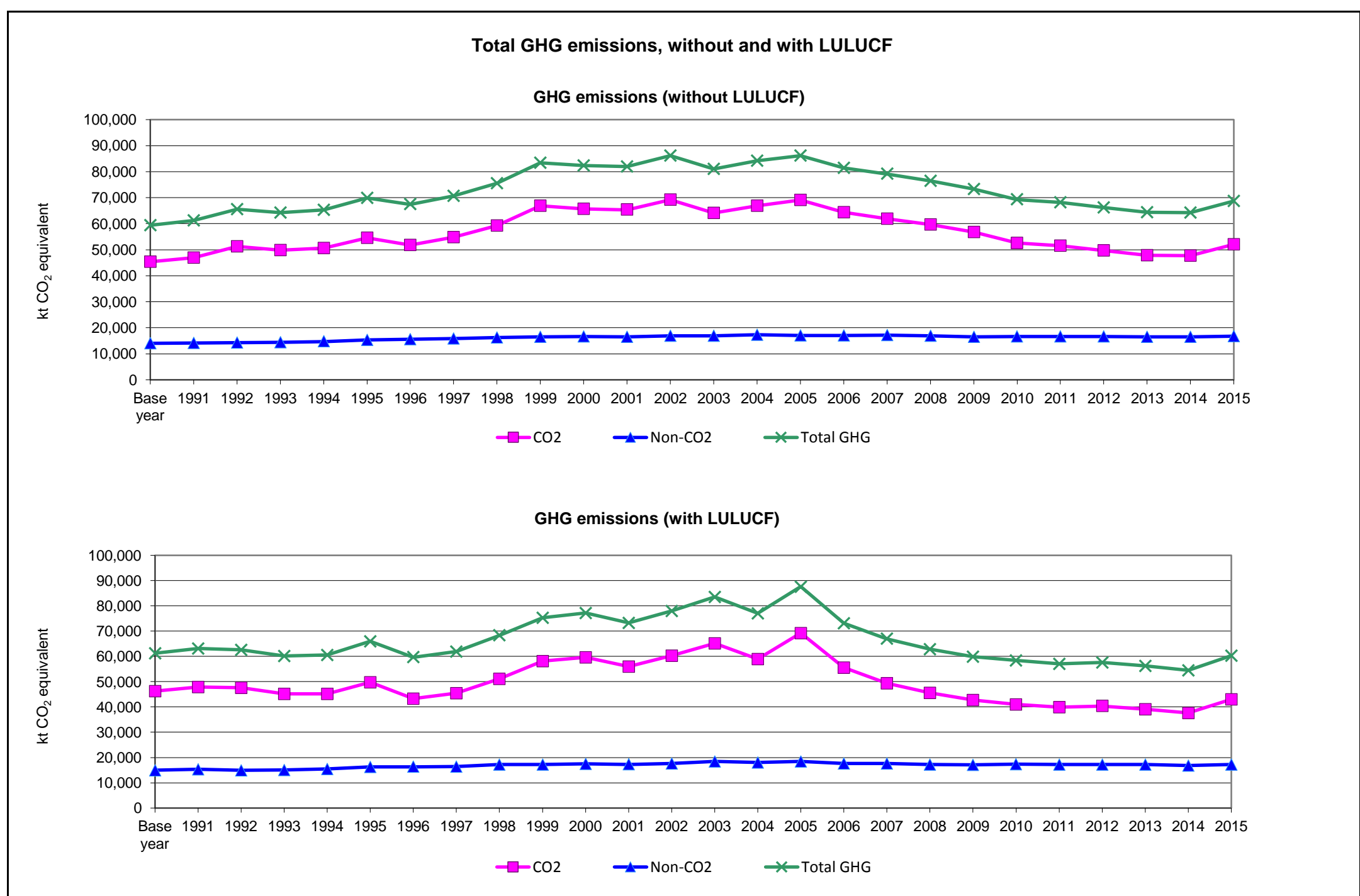
Base year (Convention) = 1990

	Emissions, in kt CO ₂ equivalent		
	Base year	2000	Last Inventory Year (2015)
CO ₂ emissions without LULUCF	45,371.3	65,682.9	52,017.5
CO ₂ net emissions/removals by LULUCF	888.2	-5,998.6	-8,973.4
CO ₂ net emissions/removals with LULUCF	46,259.5	59,684.3	43,044.1
GHG emissions without LULUCF	59,403.1	82,290.9	68,740.8
GHG net emissions/removals by LULUCF	1,841.6	-5,086.8	-8,465.3
GHG net emissions/removals with LULUCF	61,244.7	77,204.1	60,275.5
Indirect CO ₂	181.1	211.5	174.9

	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	44.77%	-20.81%	14.65%
CO ₂ net emissions/removals by LULUCF	-775.35%	49.59%	-1110.26%
CO ₂ net emissions/removals with LULUCF	29.02%	-27.88%	-6.95%
GHG emissions without LULUCF	38.53%	-16.47%	15.72%
GHG net emissions/removals by LULUCF	-376.22%	66.42%	-559.68%
GHG net emissions/removals with LULUCF	26.06%	-21.93%	-1.58%

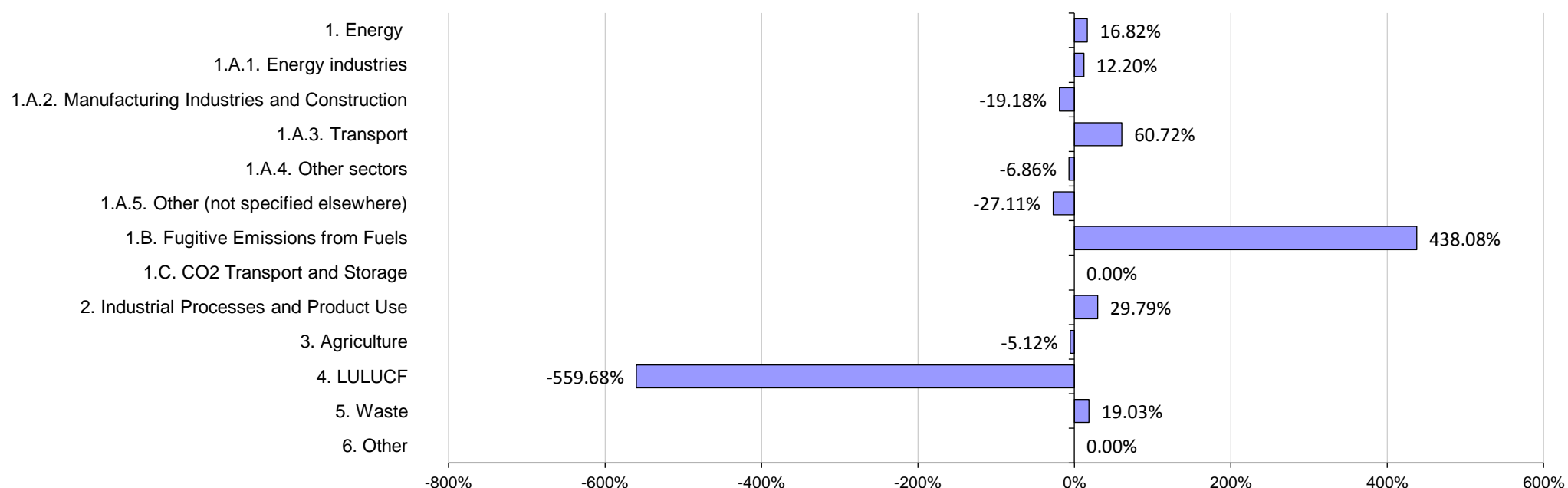
	Average annual growth rates, in percent per year		
	From Base year to 2000	From 2000 to Last Inventory Year (2015)	From Base year to Last Inventory Year (2015)
CO ₂ emissions without LULUCF	3.77%	-1.54%	0.55%
CO ₂ net emissions/removals by LULUCF	–	2.72%	–
CO ₂ net emissions/removals with LULUCF	2.58%	-2.16%	-0.29%
GHG emissions without LULUCF	3.31%	-1.19%	0.59%
GHG net emissions/removals by LULUCF	–	3.45%	–
GHG net emissions/removals with LULUCF	2.34%	-1.64%	-0.06%

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.



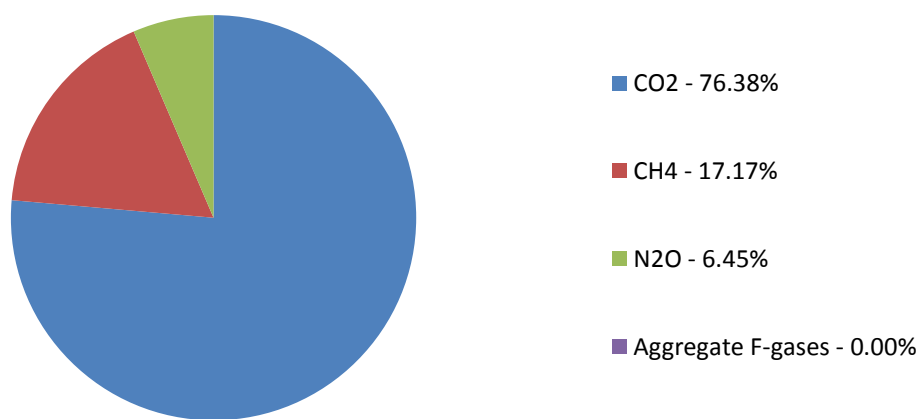


Change in GHG emissions/removals from 1990 to 2015

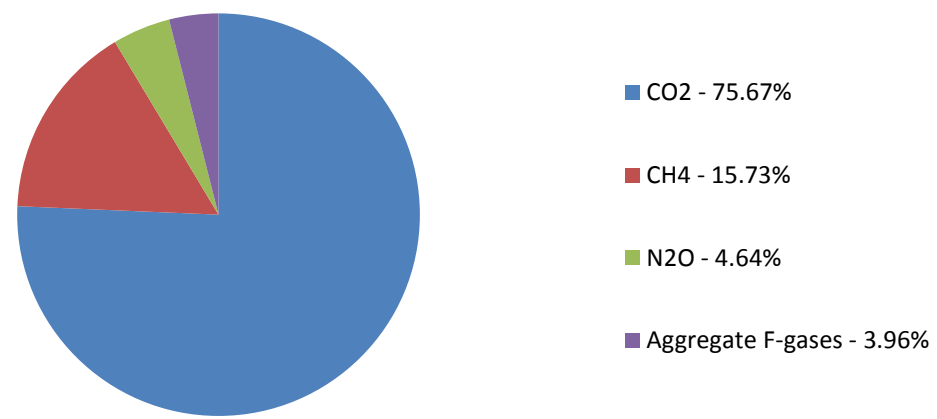


GHG emissions by gas

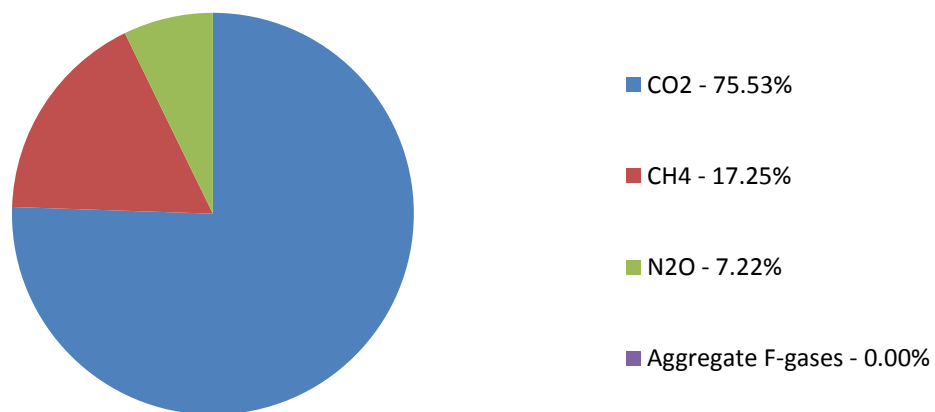
1990 (without LULUCF)



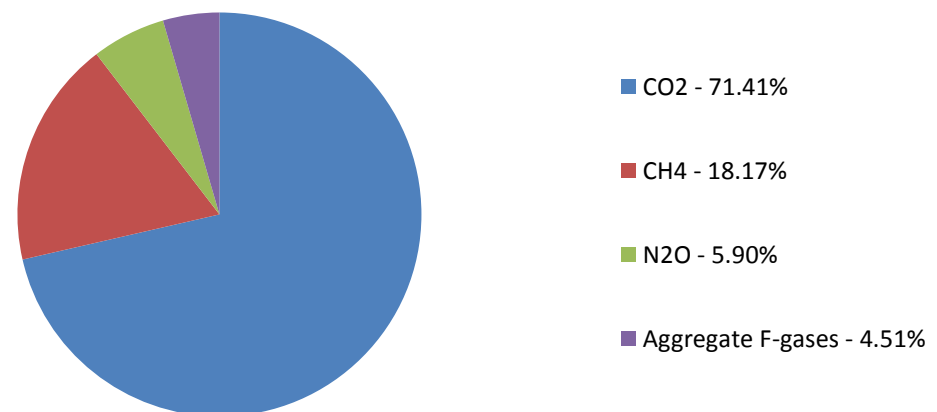
2015 (without LULUCF)



1990 (with LULUCF)

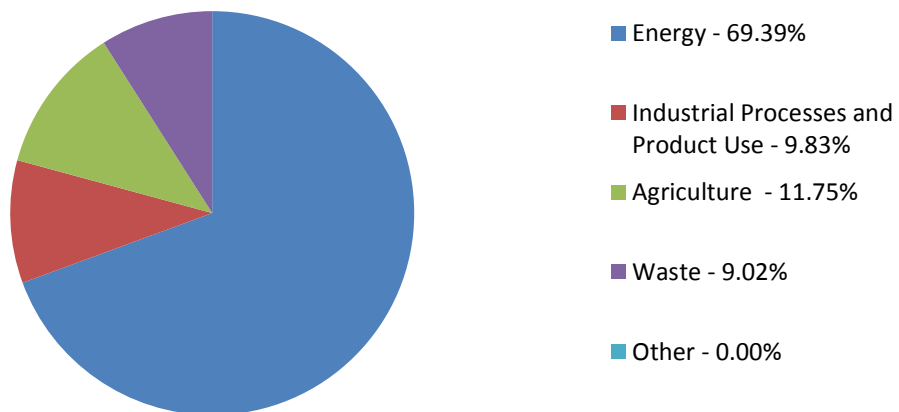


2015 (with LULUCF)

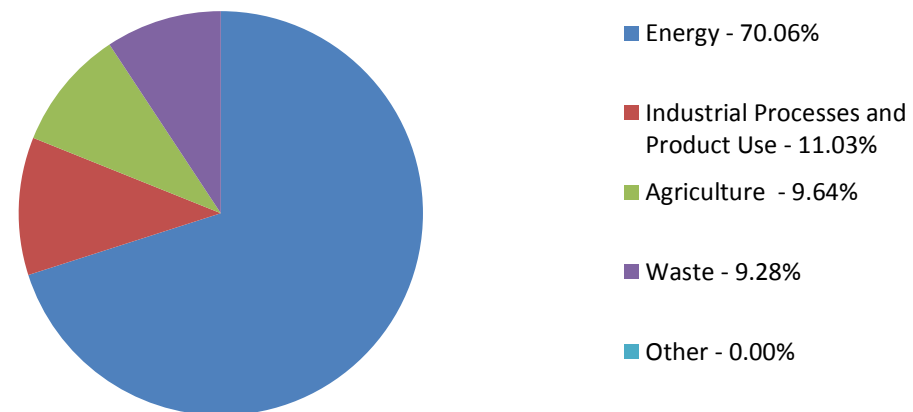


GHG emissions by sector (without LULUCF)

1990



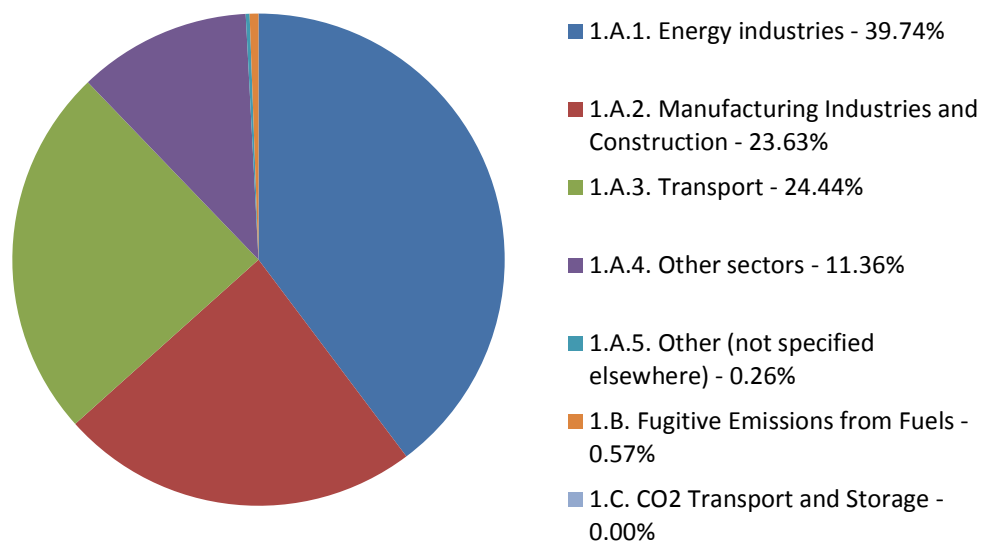
2015



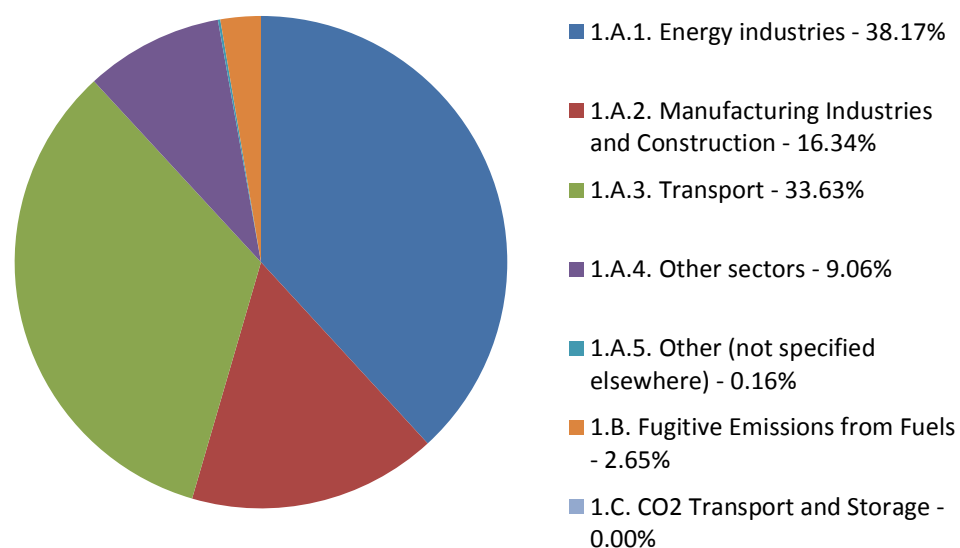


Breakdown of GHG emissions within the energy sector

1990

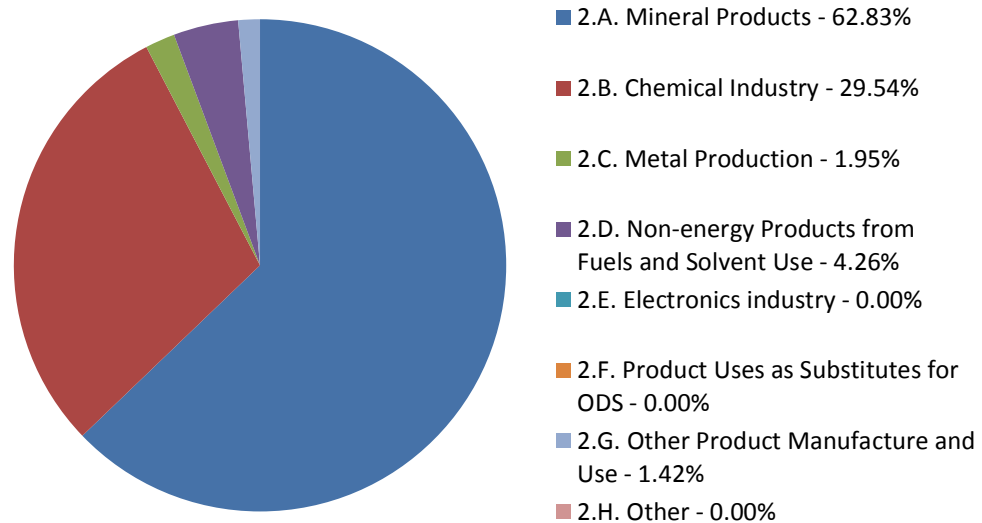


2015

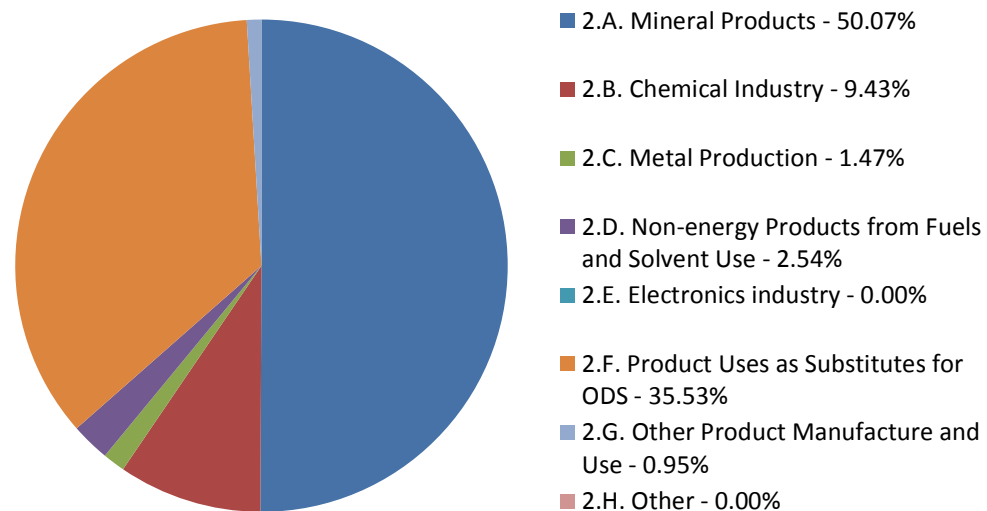


Breakdown of GHG emissions within the industrial processes and product use sector

1990

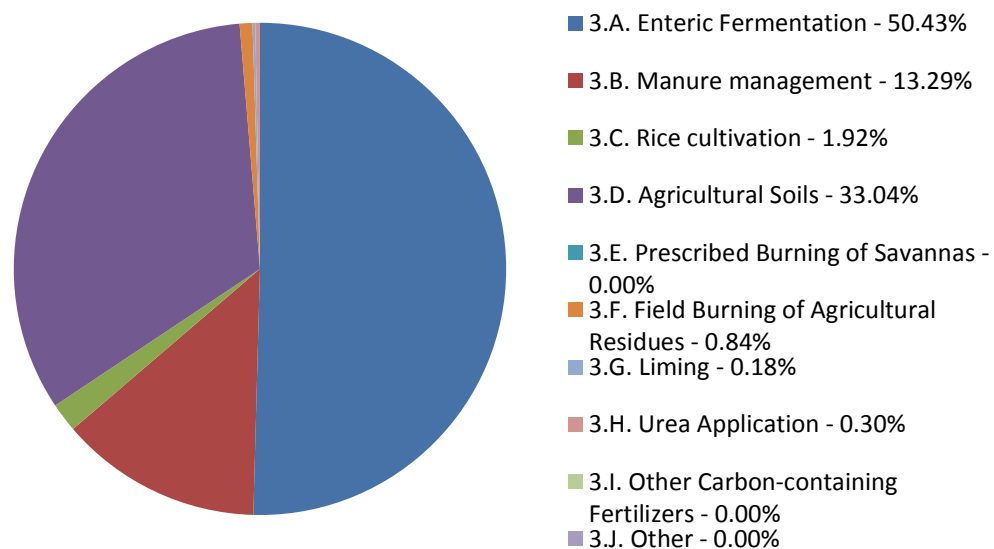


2015

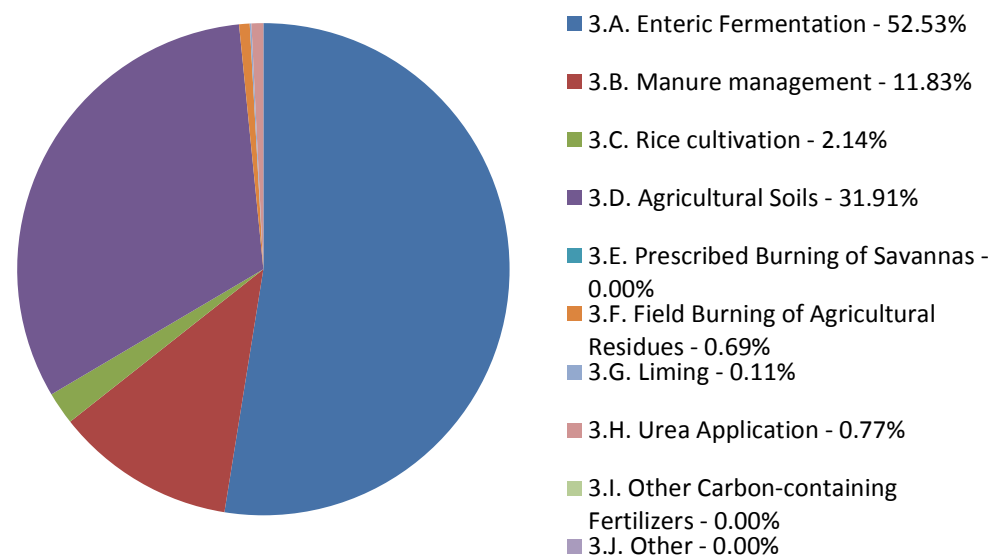


Breakdown of GHG emissions within the agriculture sector

1990



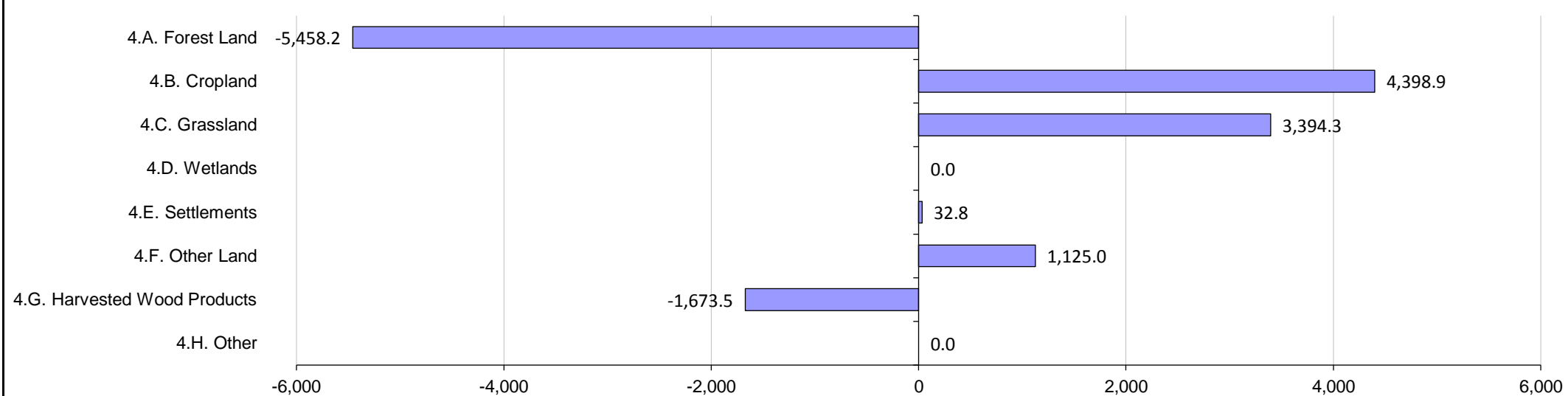
2015



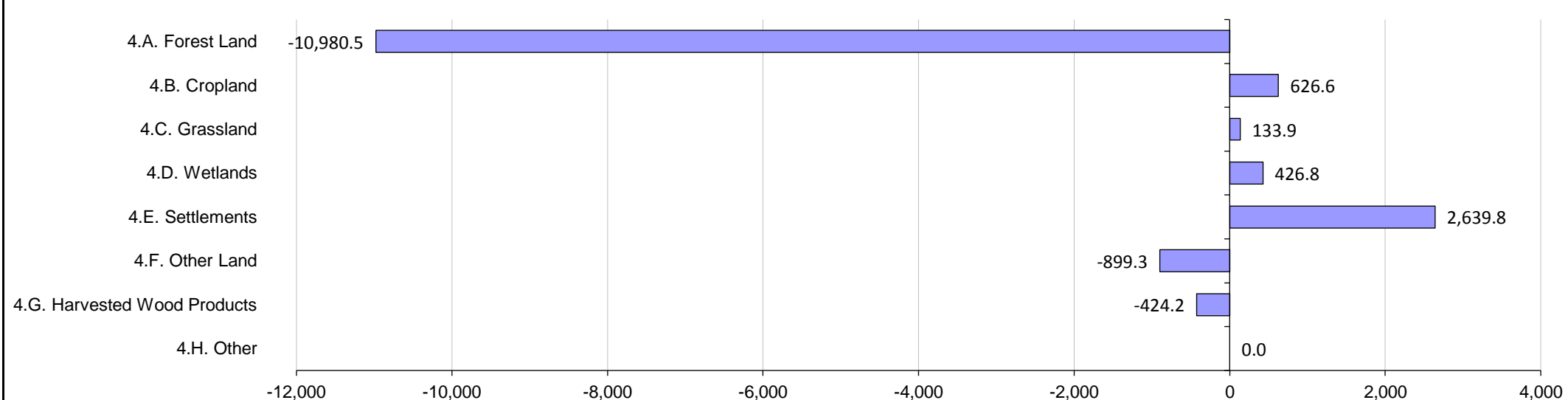


Breakdown of GHG emissions/removals within the LULUCF sector (kt CO₂ equivalent)

1990

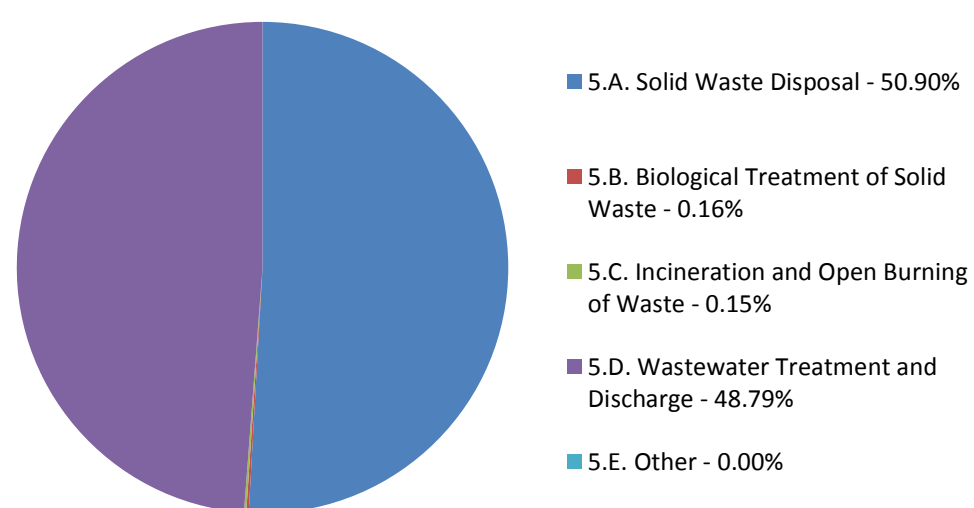


2015



Breakdown of GHG emissions within the waste sector

1990



2015

