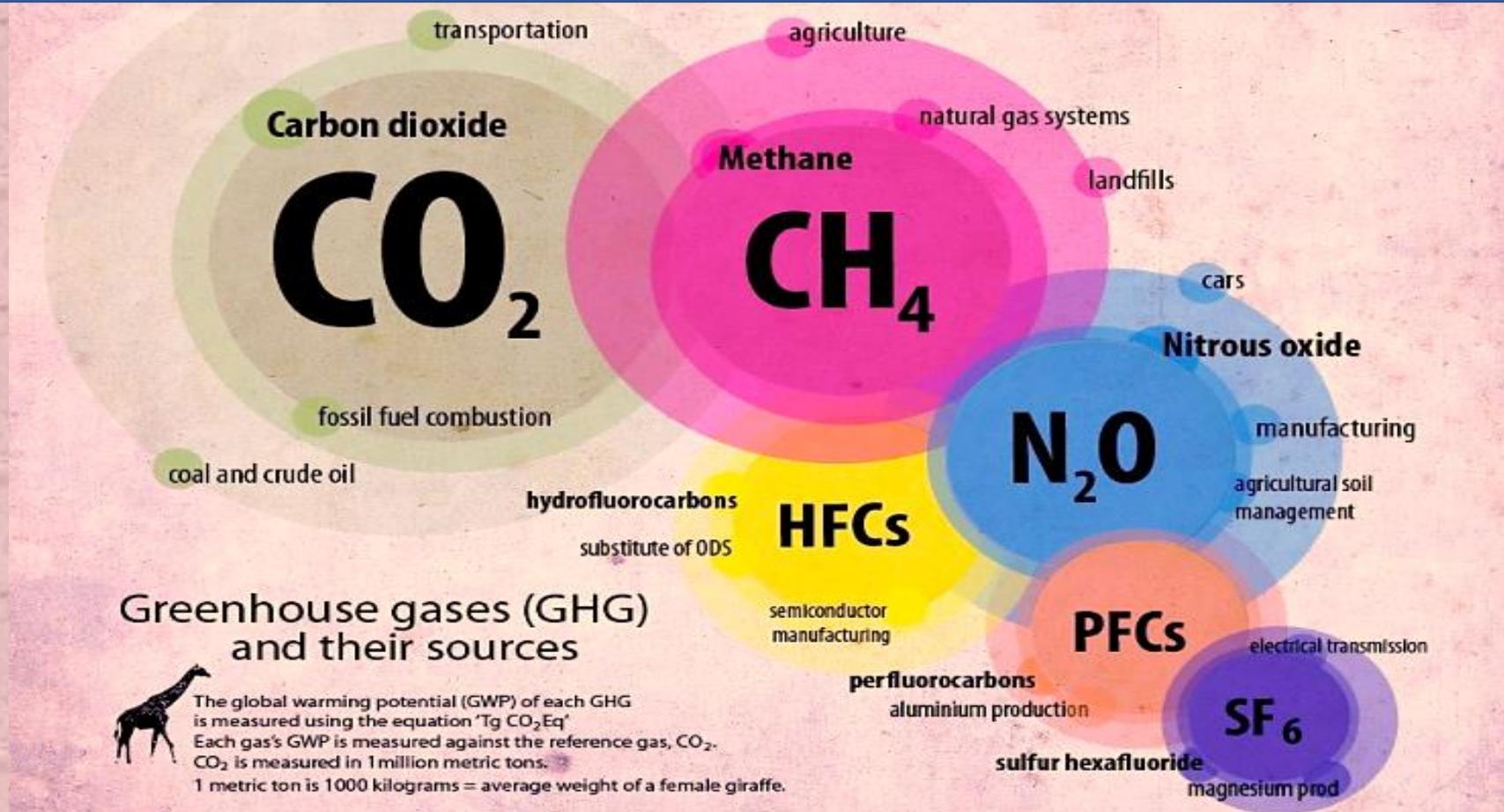
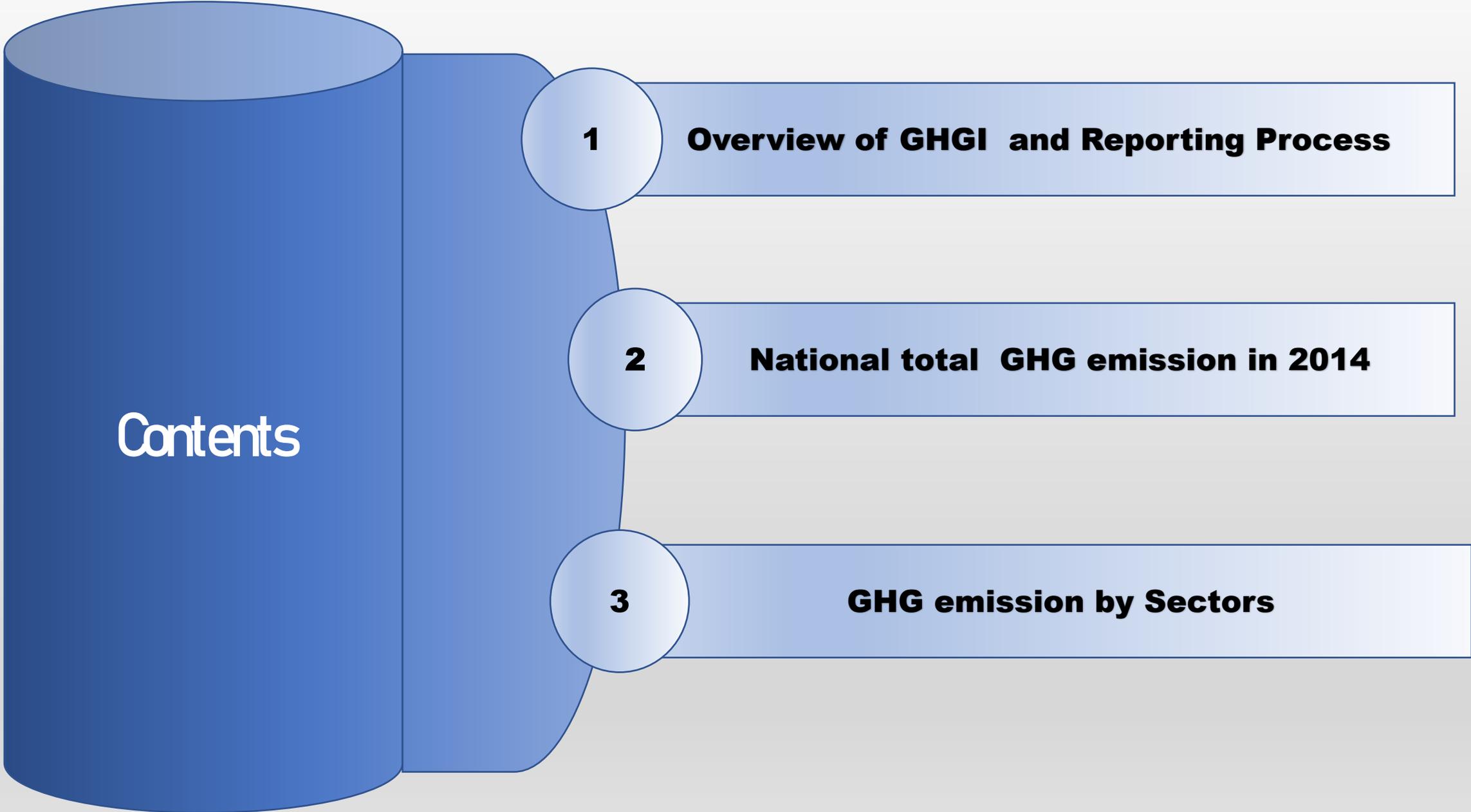


Lao National Greenhouse Gas Inventories



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GHG inventory and reporting process

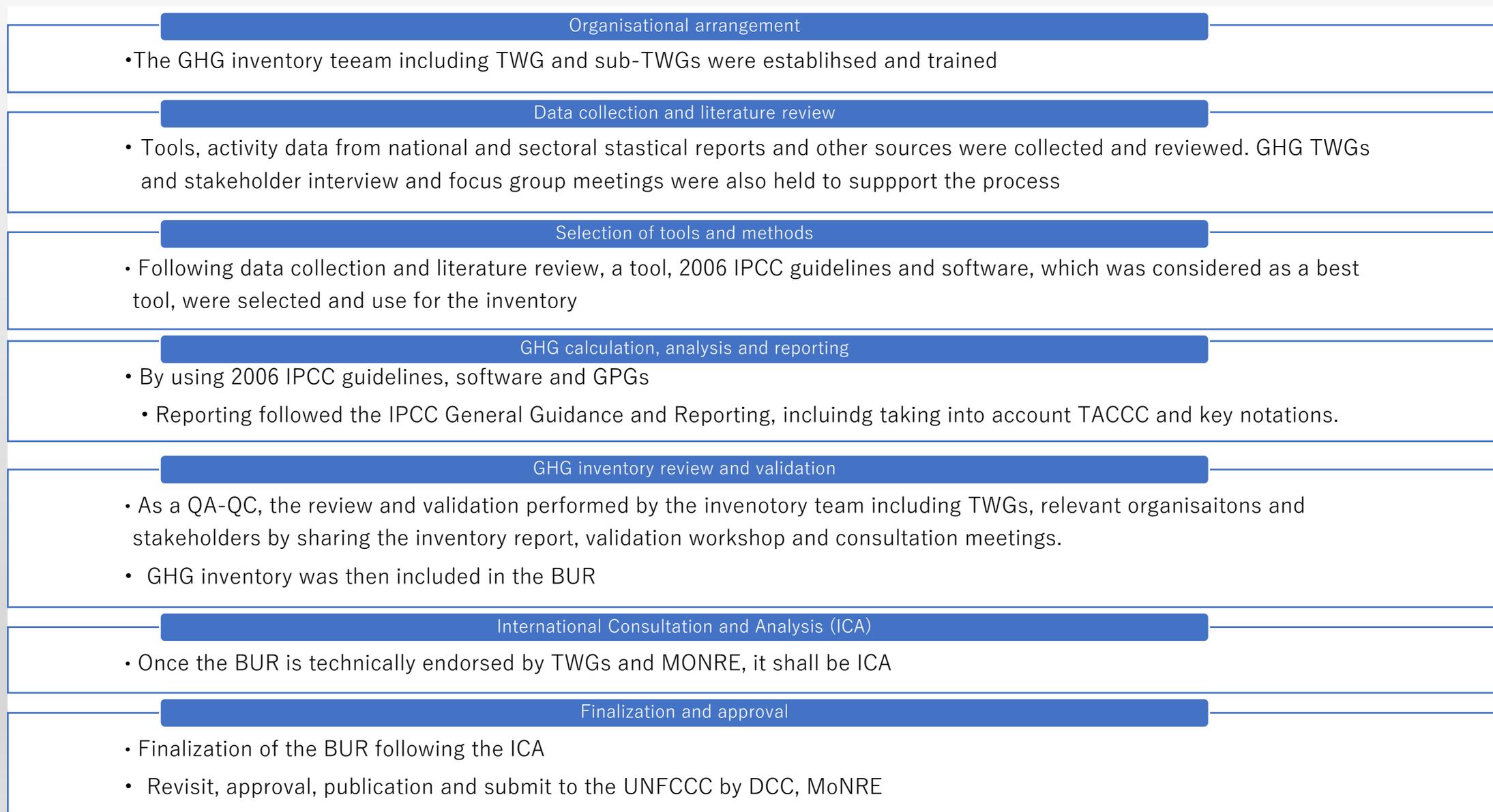


Figure1: GHGI and reporting process

Total Emissions in 2014 in Lao PDR

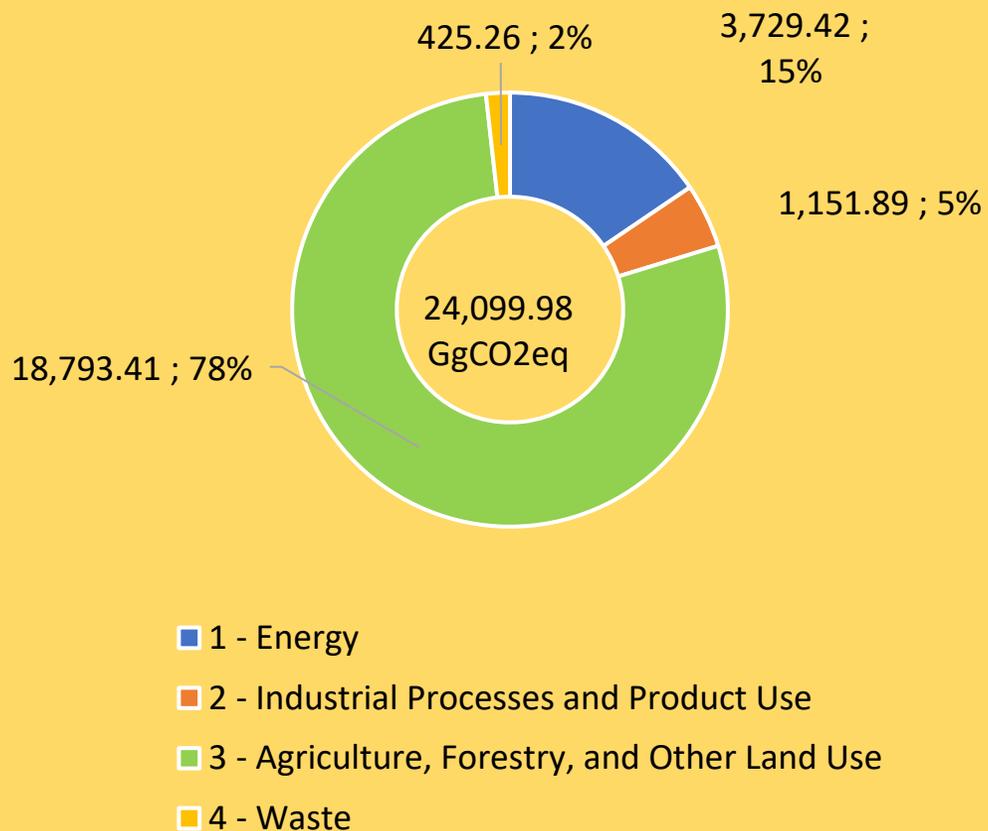
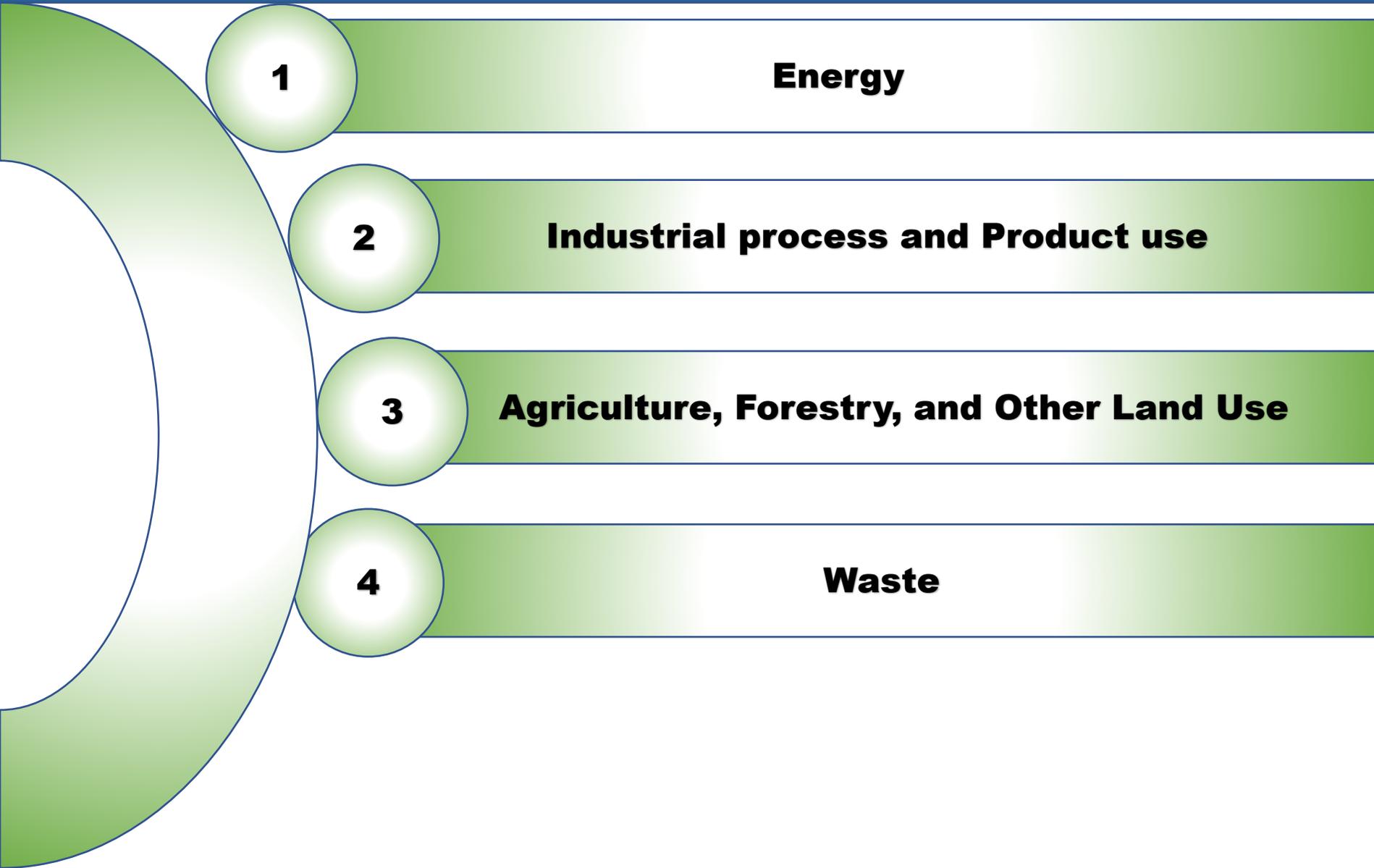


Figure 2. Total Emissions in 2014 in Lao PDR

- The net emissions was 24,099.98 GgCO₂eq
- AFOLU, especially forest remaining forest, crop land remaining cropland and lands converted to forest had a capacity to remove emissions equivalent to about 13,000 Gg. AFOLU sector had net emissions of 18,793.41 GgCO₂eq, which was the largest sources of emissions, accounting for about 78% of the total emissions.
- Second largest source of emissions was Energy Sector, which emitted 3,729.42 GgCO₂eq (15%). The rest, IPPU and Waste shared 5% and 2%

Greenhouse Gas Emissions by Sectors



Greenhouse Gas Emissions by Sectors

1

Energy

- ❑ In 2014, total emissions from energy sector were 3,729.42 Gg, accounting for about 17.08 % of the national total emissions.
- ❑ Fuel combustion in transport and other sectors are highest emission. shared 62.31% (2,332.40 Gg CO₂eq) and 27.96 % (1,042.01 Gg CO₂eq) rep respectively

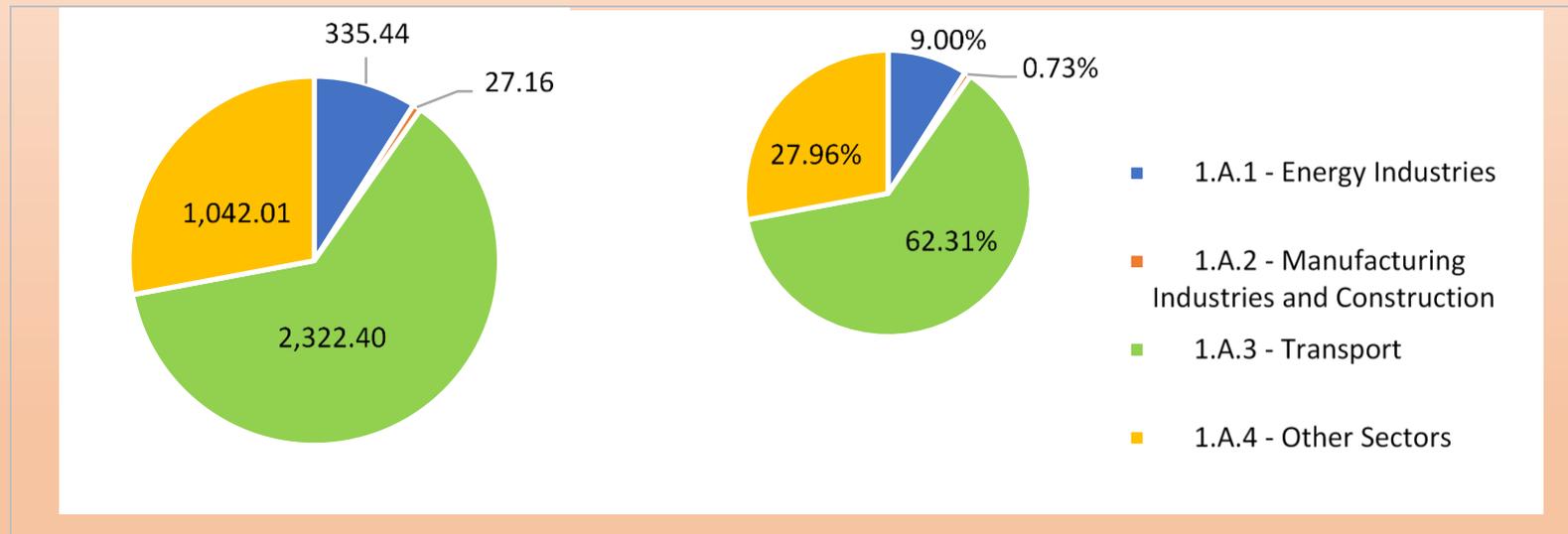


Figure3 Emissions from Energy Sector

Greenhouse Gas Emissions by Sectors

Industrial process and Product use

2

Categories	(Gg)			CO2 Equivalents(Gg)			
	CO2	CH4	N2O	HFCs	PFCs	SF6	Other halogenated gases with CO2 equivalent conversion factors (1)
2 - Industrial Processes and Product Use	1,151.890	0	0	0	0	0	0
2.A - Mineral Industry	1,090.245	0	0	0	0	0	0
2.A.1 - Cement production	1,087.294						
2.A.2 - Lime production	2.951						
2.A.3 - Glass Production	NO						
2.B - Chemical Industry	NE/NO	0	NE/NO	0	0	0	0
2.C - Metal Industry	61.646	0	0	0	0	0	0
2.C.1 - Iron and Steel Production	61.646	NO					
2.D - Non-Energy Products from Fuels and Solvent Use	IE/NO	0	0	0	0	0	0
2.E - Electronics Industry	-	0	0	NO	NO	NO	0
2.F - Product Uses as Substitutes for Ozone Depleting Substances	-	0	0	NE/NO	NE/NO	0	0
2.G - Other Product Manufacture and Use	-	0	0	0	NE/NO	NE/NO	0
2.H - Other	-	0	0	NE	0	0	0

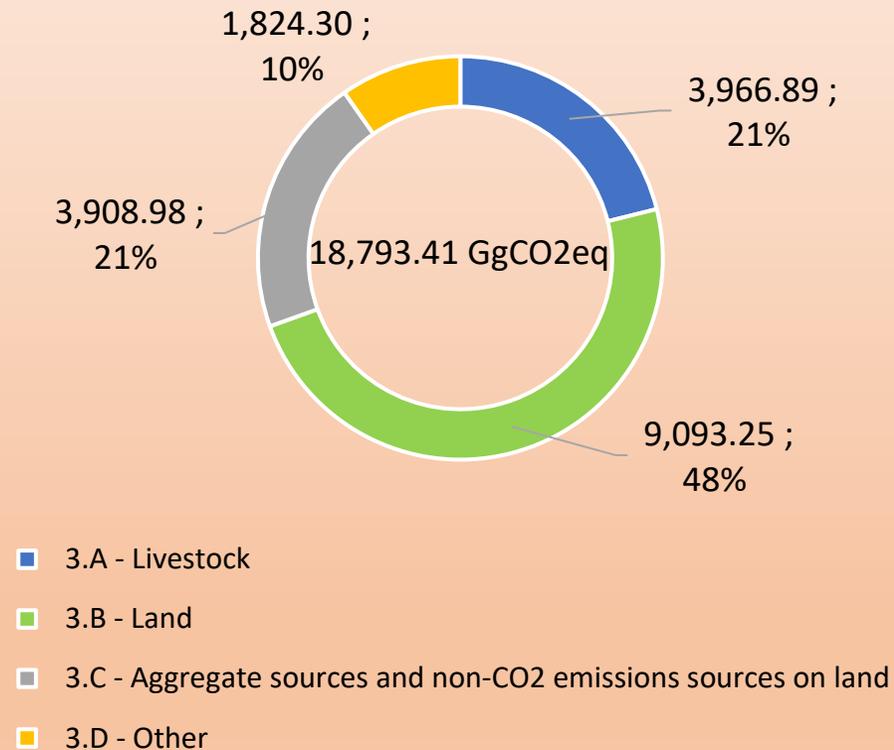
- ❑ Laos has 2 relevant industries: Mineral (Cement, lime) and Metal (Iron rod production)
- ❑ Totally emitted 1,151.89 Gg CO₂, 2014.
- ❑ Cement industry emitted 1087.29 Gg CO₂e, which accounted for 94.93% and lime and iron production, which were 2.95 Gg CO₂ (0.26%) and 61.65 Gg CO₂ (5.25%) respectively (figure4)

Figure4 Emissions from IPPU sector

Greenhouse Gas Emissions by Sectors

3

Agriculture, Forestry, and Other Land Use



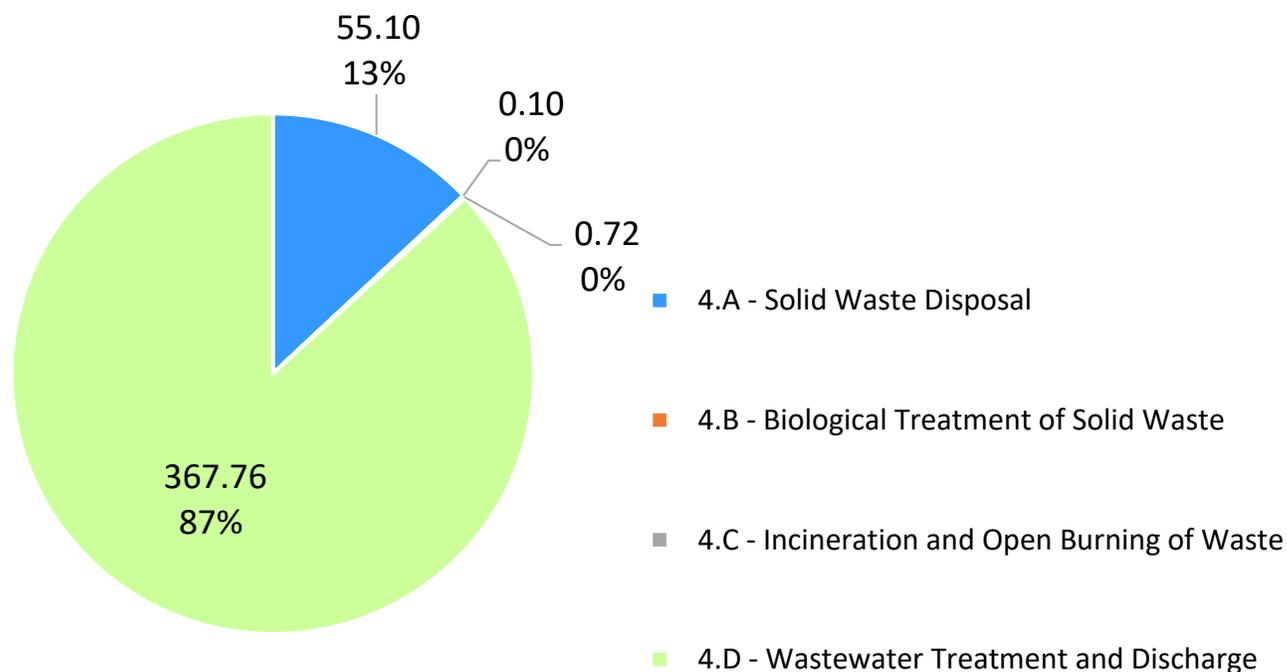
- ❑ In 2014, total emissions from AFOLU sector was 18,793.41 GgCO₂eq
- ❑ Land and Land use were largest emission source. Its net emissions were 9,093.48 GgCO₂eq or about 48%. Livestock and aggregate source and non-CO₂ emission equalled 21%. Smallest emissions was 10% from harvest wood product

Figure5 Net emissions from AFOLU sector in 2014

Greenhouse Gas Emissions by Sectors

4

Waste



□ In 2014, total emissions from Waste were 423.68 GgCO₂e. 87% emissions were from wastewater treatment, and discharge, and 13 % from Solid waste Disposal. The smallest emission were from solid waste incineration and open burning, and biological treatment, sharing 0.19%, 0.03% respectively.

Figure6 Emissions from Waste Sector

Thank you