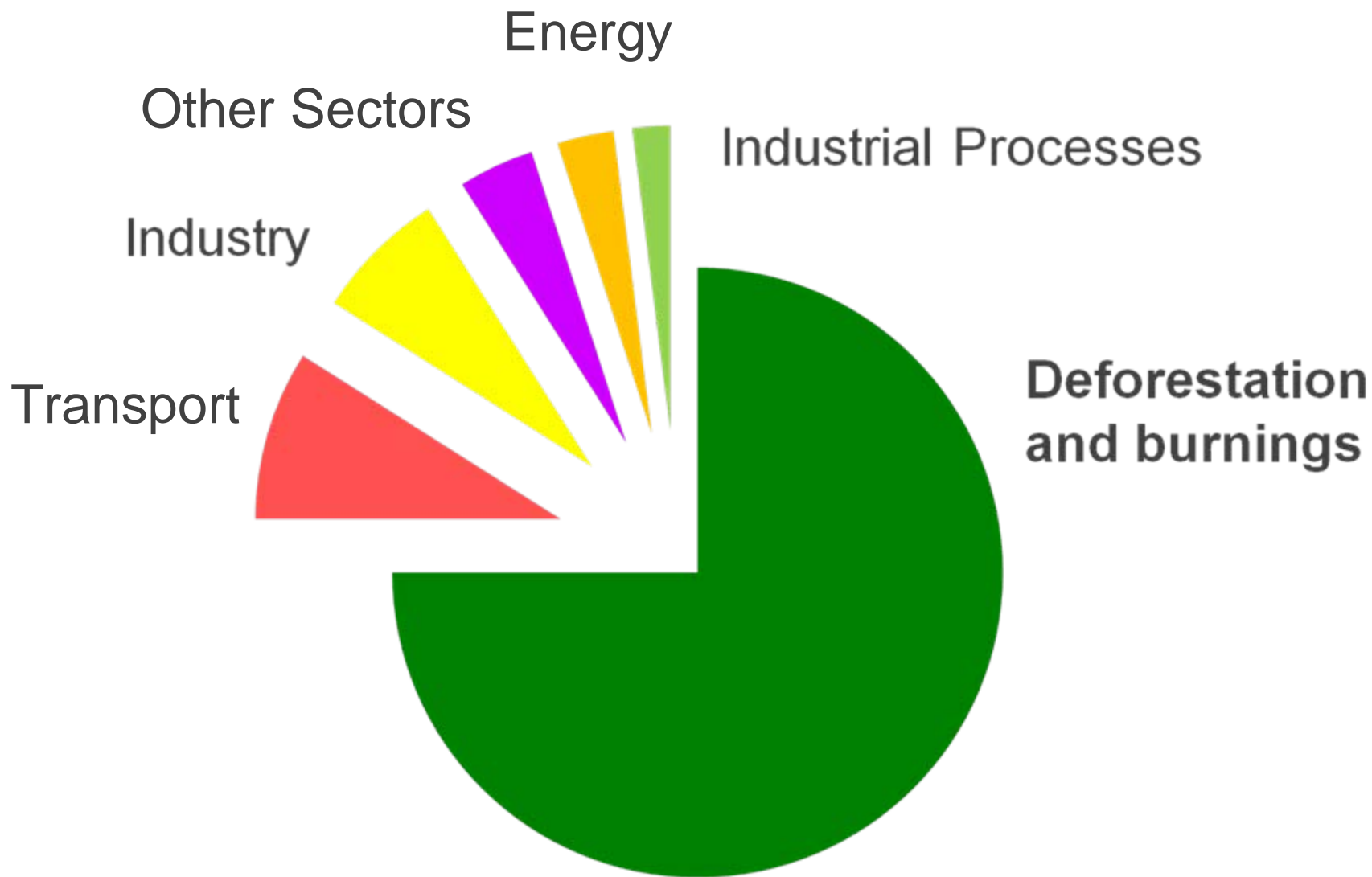
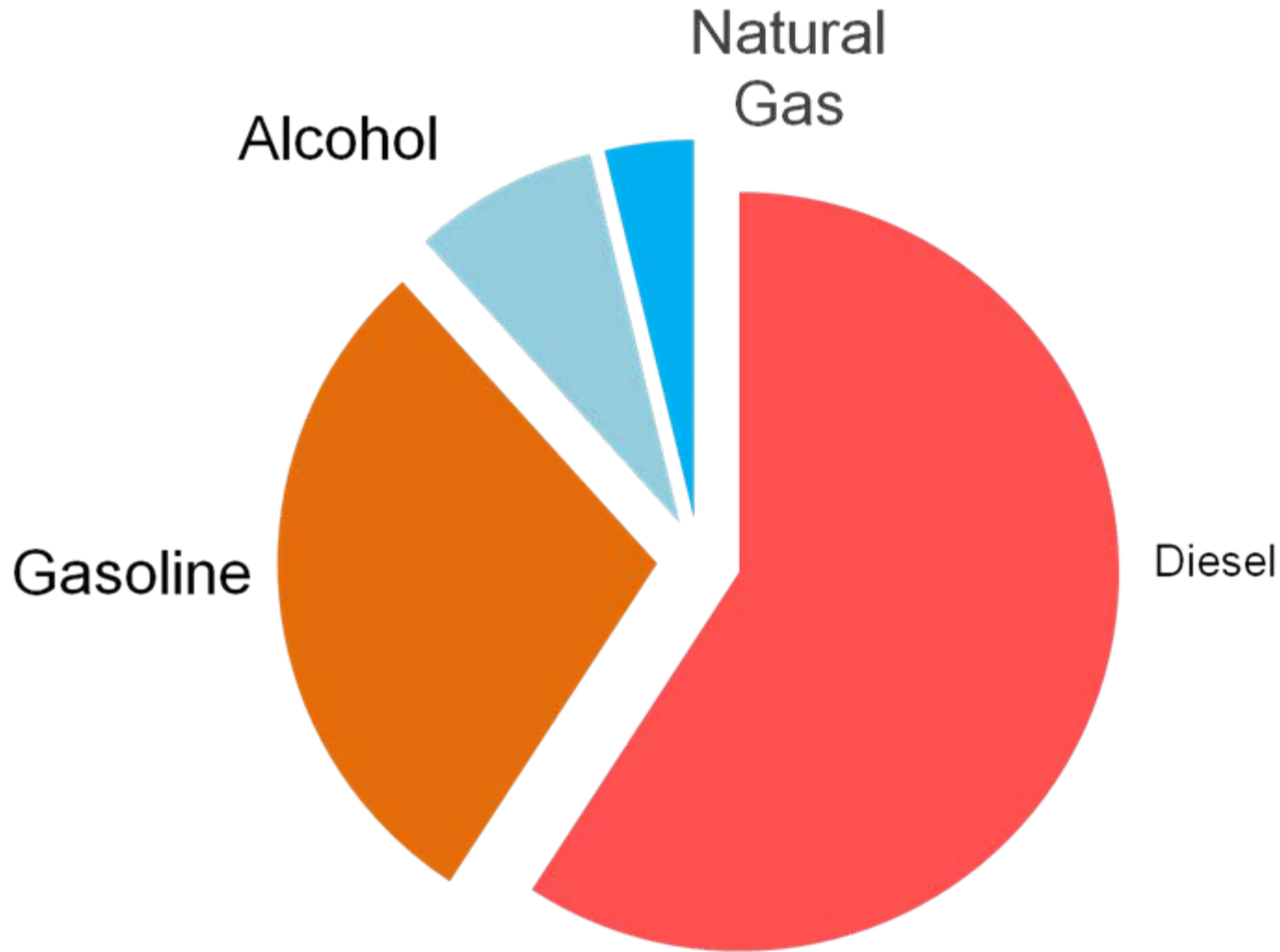


GHG Inventory & Carbon Stocks:

GHG Emission Sources in Brazil



Fuel Consumption in Brazil



Setting A Company's Operational Boundary

CO₂

CH₄

N₂O

PFCs

HFCs

SF₆

**SCOPE 2
INDIRECT**

**SCOPE 1
DIRECT**

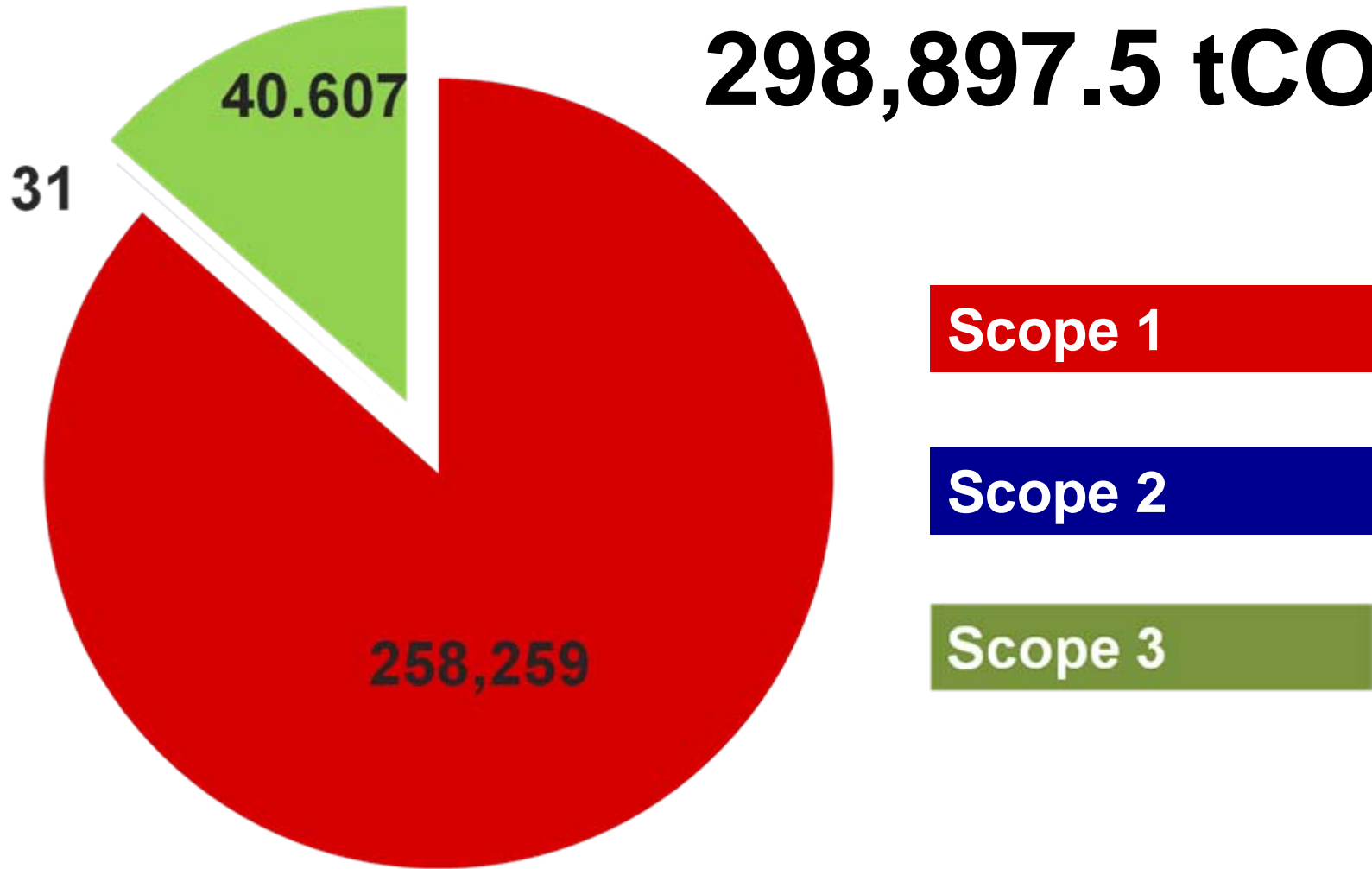
**SCOPE 3
INDIRECT**



Results

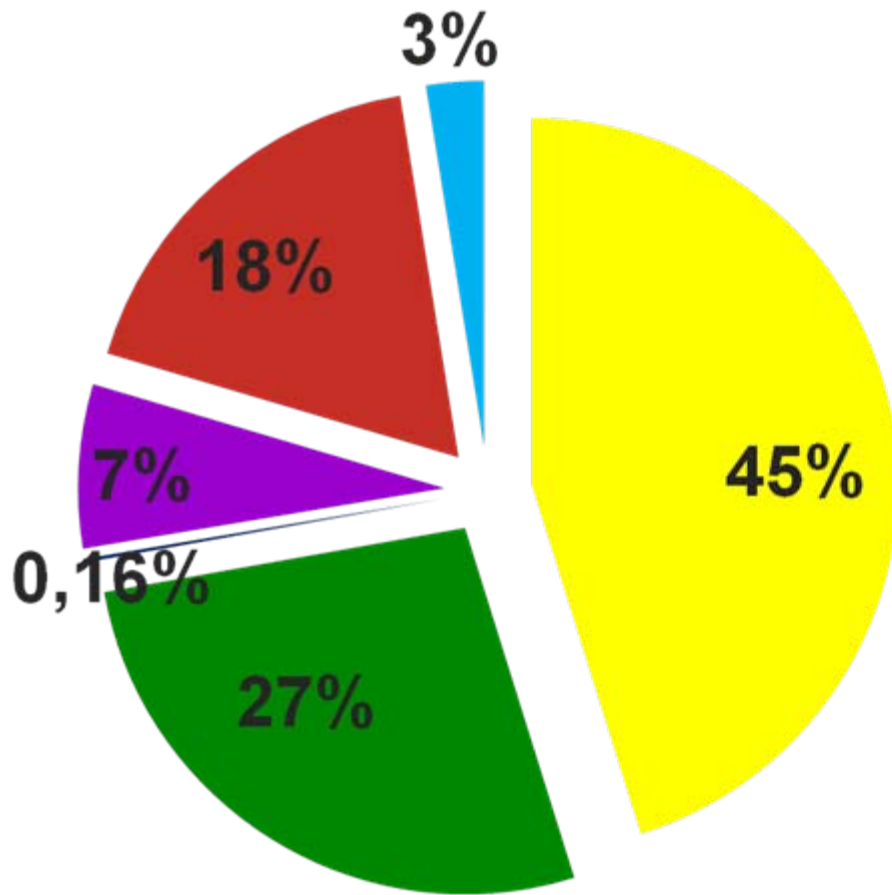
Emission per Scope (tCO₂e)

298,897.5 tCO₂e



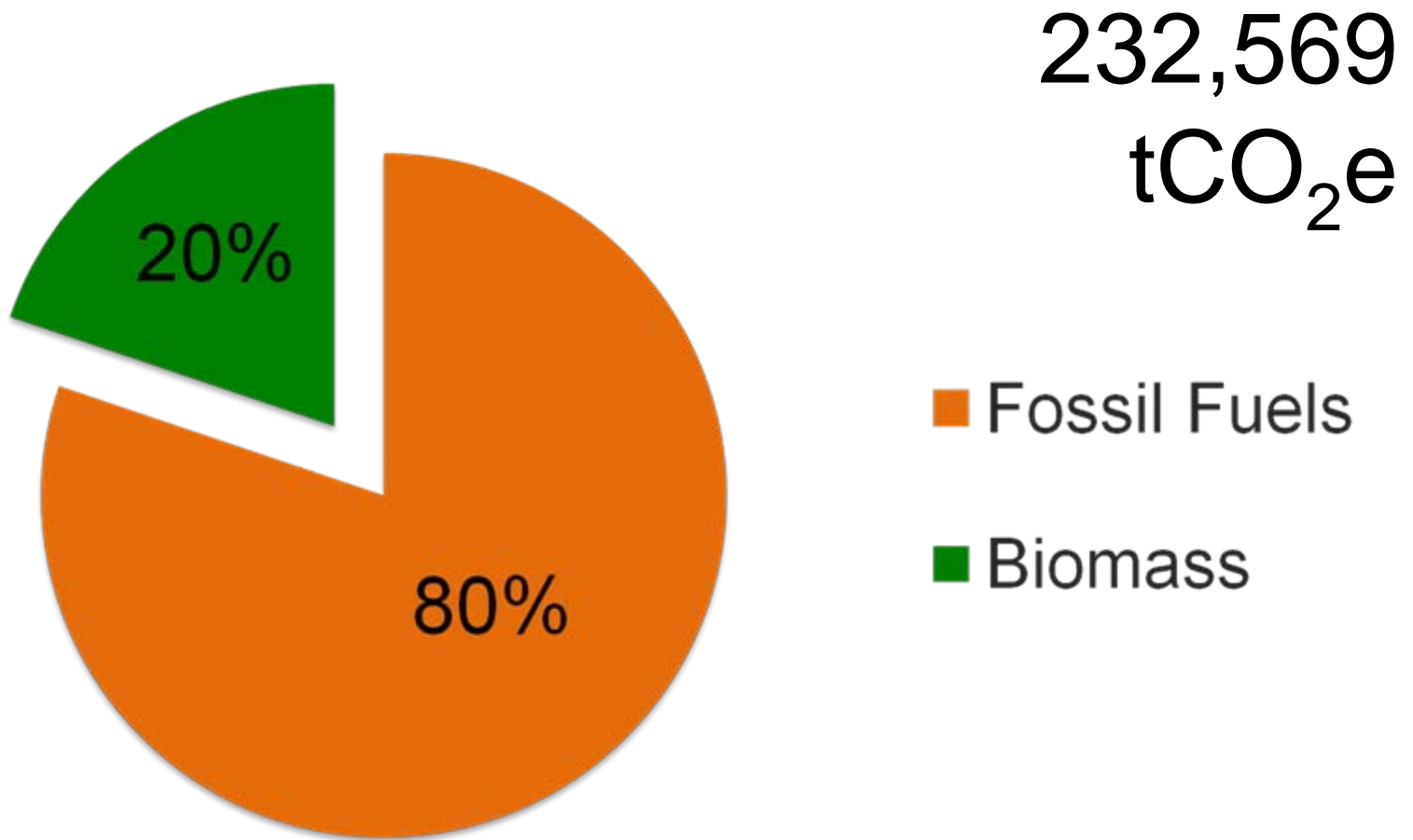
Emissions – Scope 1

258,259 tCO₂e



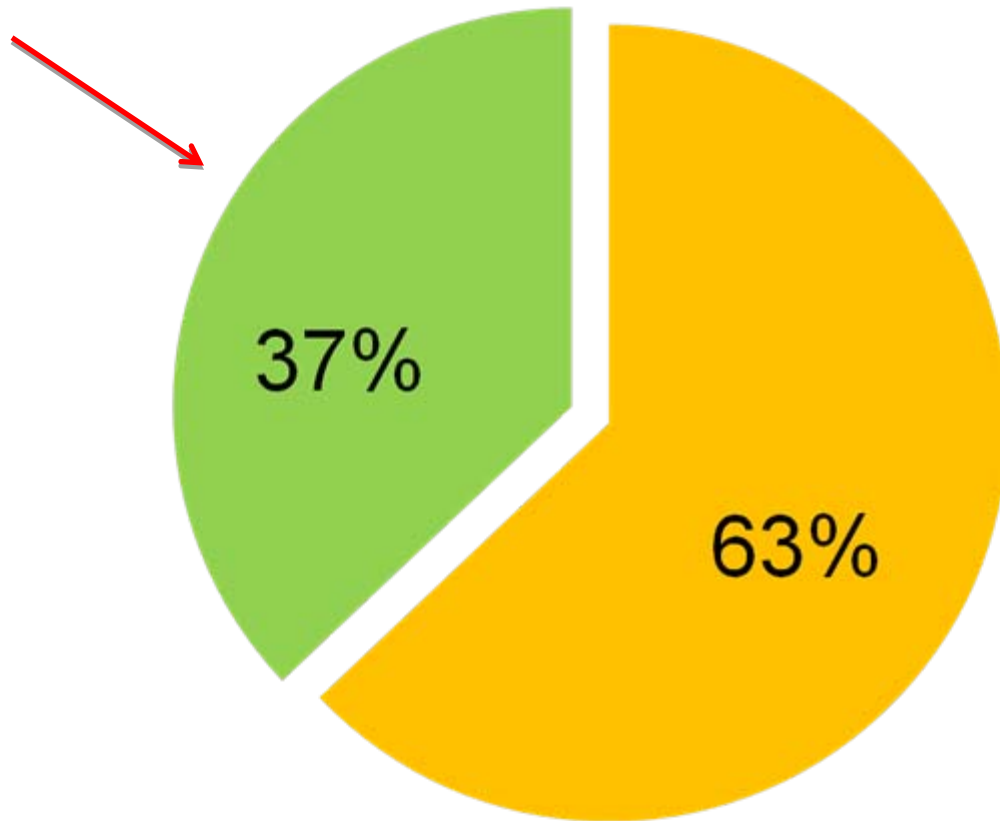
- Biomass Combustion
- Stationary Fossil Fuel Combustion
- Fossil Fuels. Mobile Sources
- Wastewater
- Chemical Inputs
- Solid Residues

Fuel Combustion: Fossil vs Biomass



Fossil Fuel Sources: Stationary vs Mobile

Forestry operations: 98%



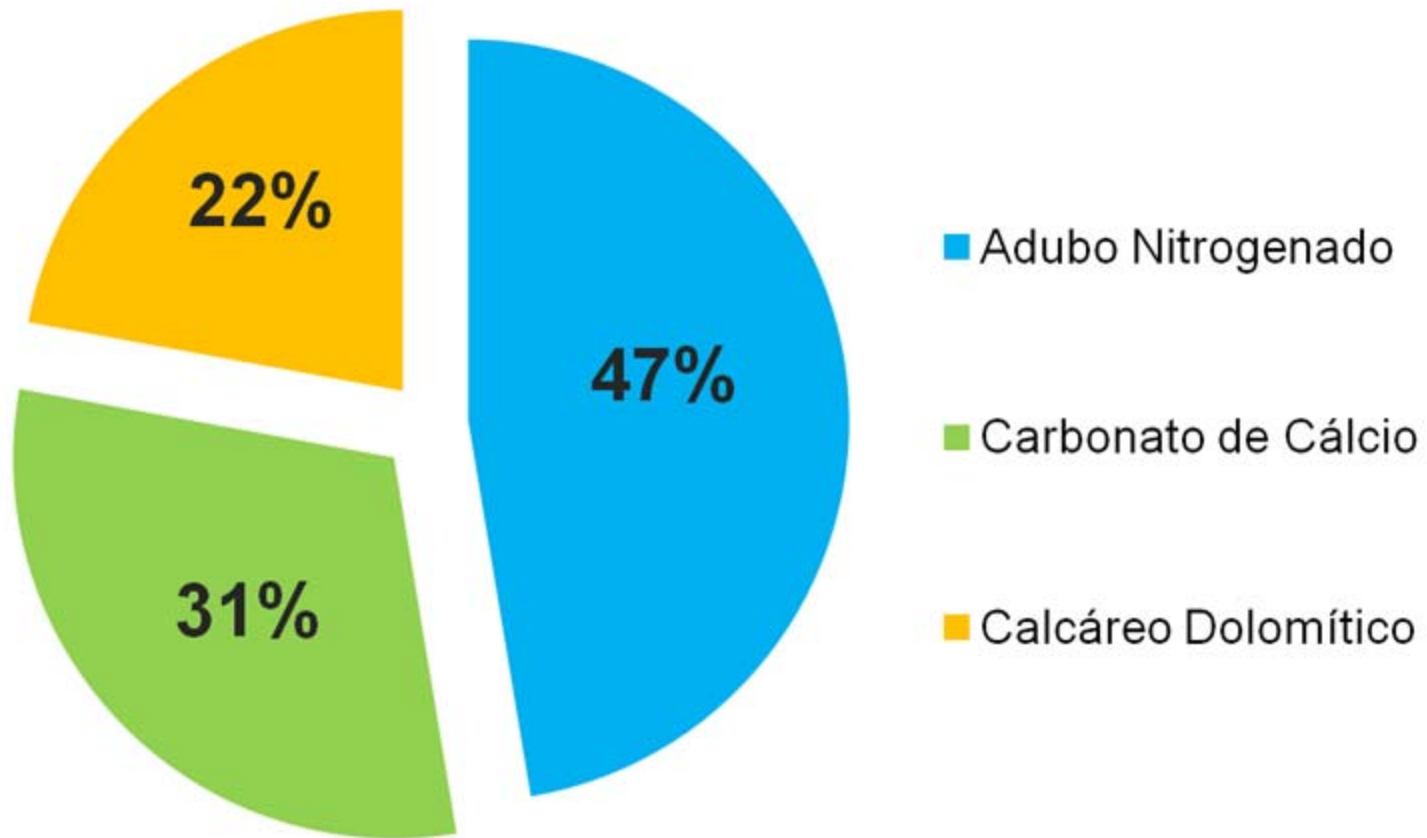
186,452 tCO₂e

Stationary

Mobile

Consumption of Make-Up Chemicals

6,599 tCO₂e



Waste Management Emissions

Landfill Emissions tCO₂e (biomass, digester residues, food)	422
Wastewater Treatment tCO₂e (aerobic)	18.669

Carbon Stocks

Industrial Forests **14,974,059 tCO₂e**

Native Forests **15,263,029 tCO₂e**



Balanço (Emissões / Estoque CO₂)

30,237,088 tCO₂e
(Stock)

0.98 %

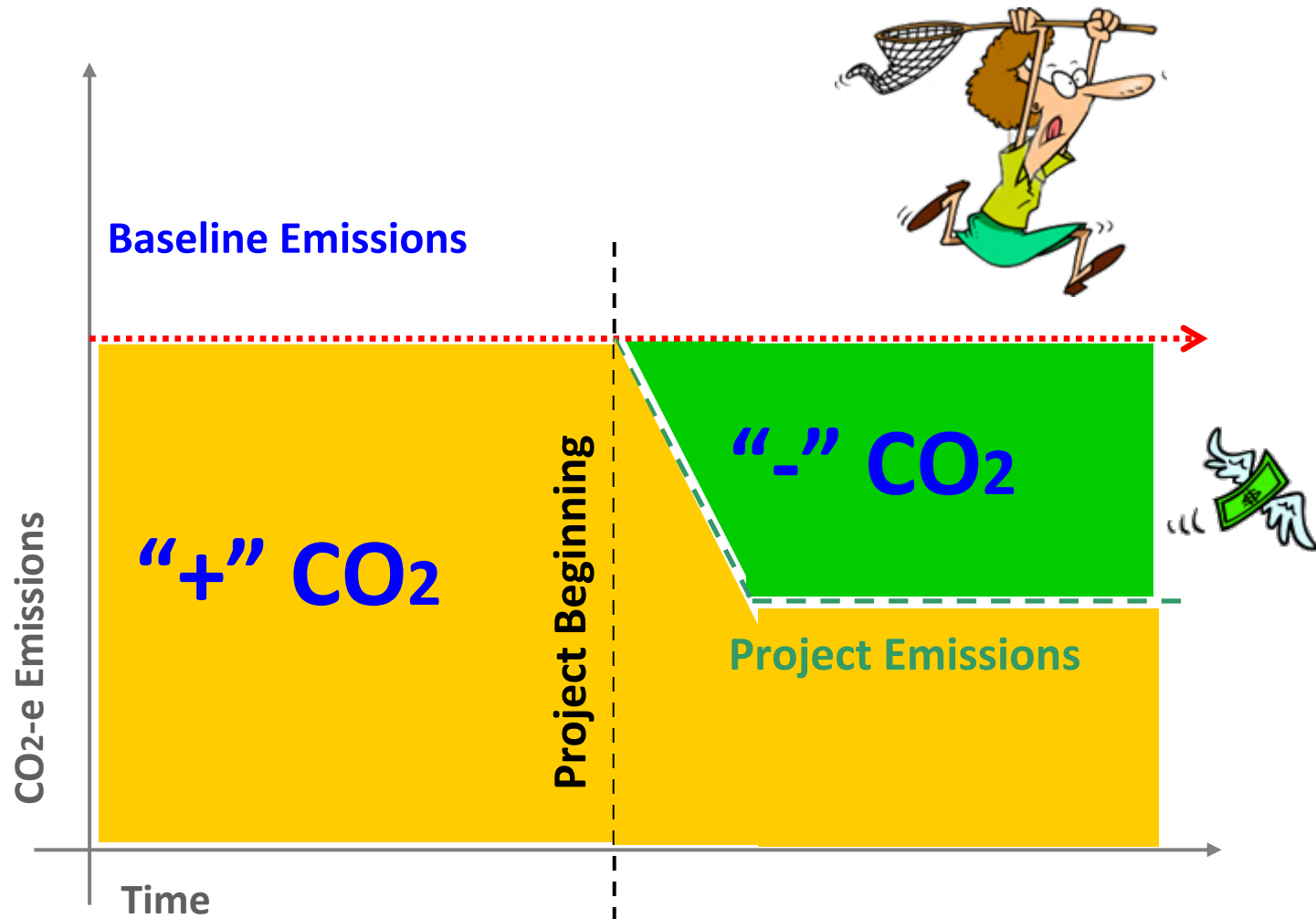


298,897.5 tCO₂e
(Emissions)

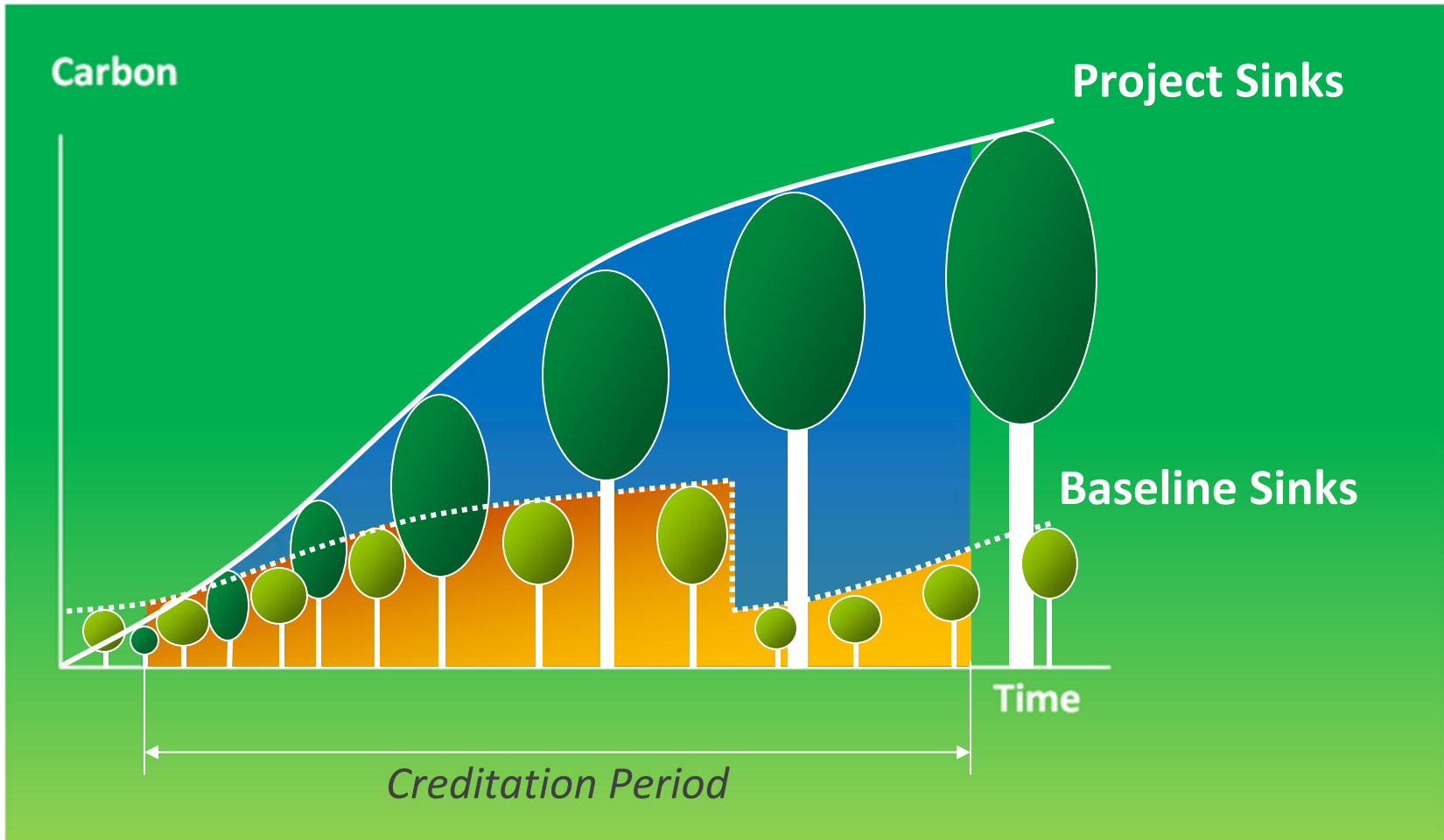
CDM Projects



Emission Reductions under CDM



Carbon Sinks under CDM



Thanks for your attention!

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