

Country Presentation

Emission Inventory of Nepal

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About Nepal

NEPAL

LEGEND

- International Boundary
- Highway
- - - Zonal Boundary
- - - District Boundary
- Secondary Road
- - - Seasonal Road
- River
- ★ Capital
- Regional, Zonal, District Headquarters

Population: nearly 25 million (in 2001)

Area: 147,181 Sq. Km.

Altitude: 65 – 8848 mamsl

Situation: In between Industrialised country India and China

Settlement: Mostly urban settlements in valleys

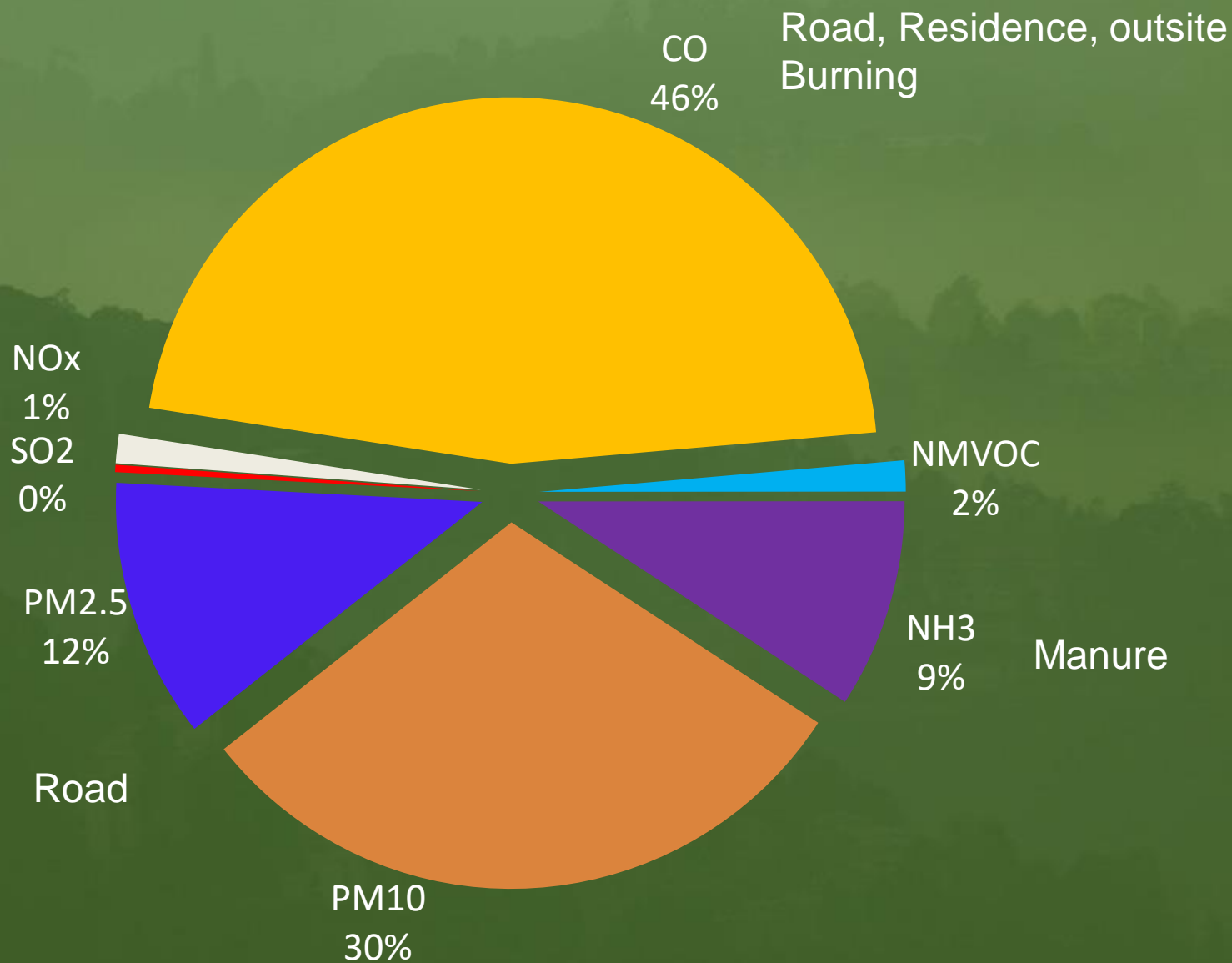
Base Map: Topographical Zonal Map (1:250,000),
Department of Survey, 1988
Digital Elevation Model: MENRIS

0 15 30 60 90 120
Kilometres

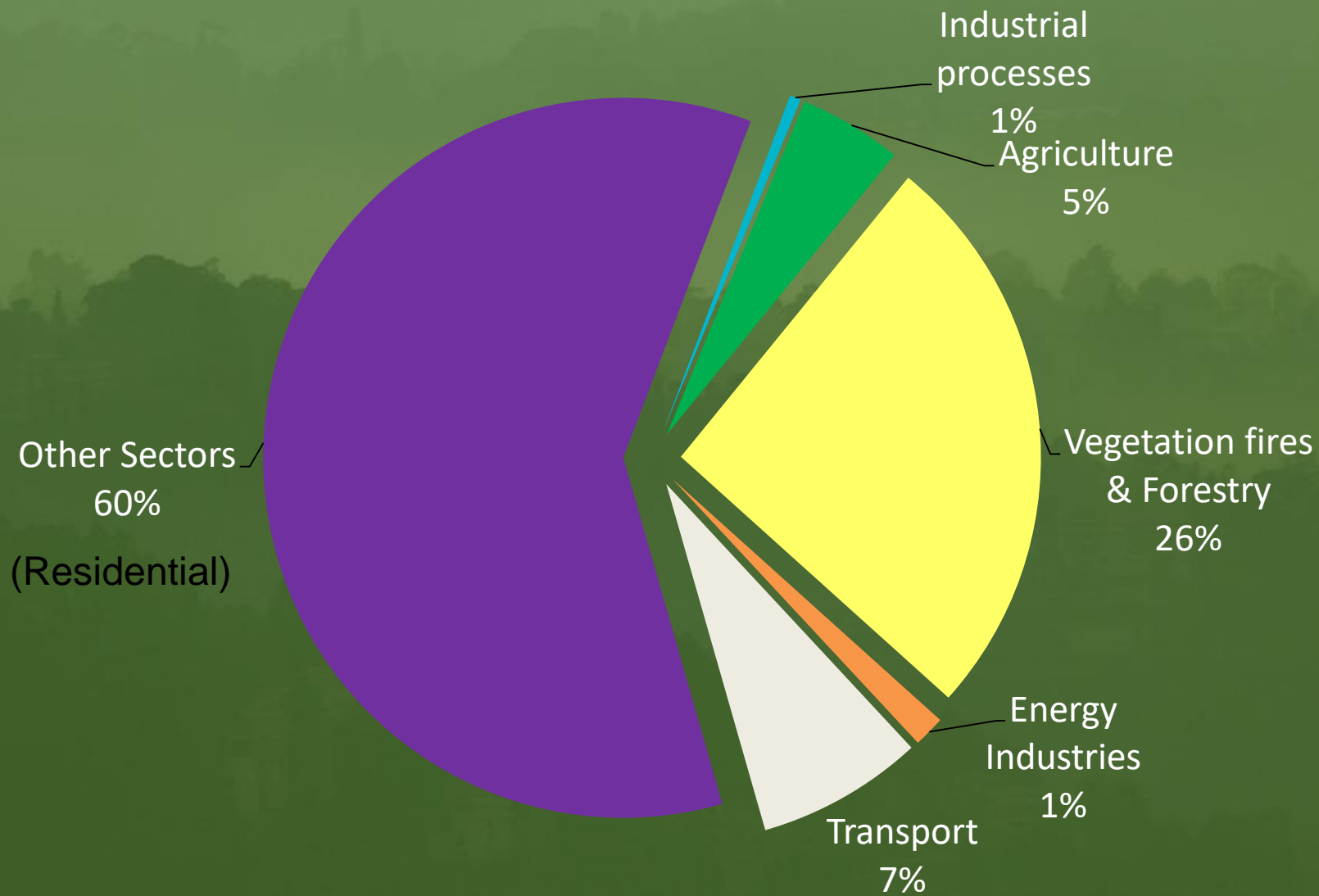
Data Source

- Economic Survey of Nepal, Ministry of Finance, Nepal
- Energy Synopsis Report, Water and Energy Commission Secretarial, Nepal
- Central Bureau of Statistics, Nepal
- Civil Aviation Authority of Nepal
- Nepal Oil Corporation, Nepal
- Dept. of Transport management
- Different Municipalities
- FAO (www.fao.org)
- Different Thesis

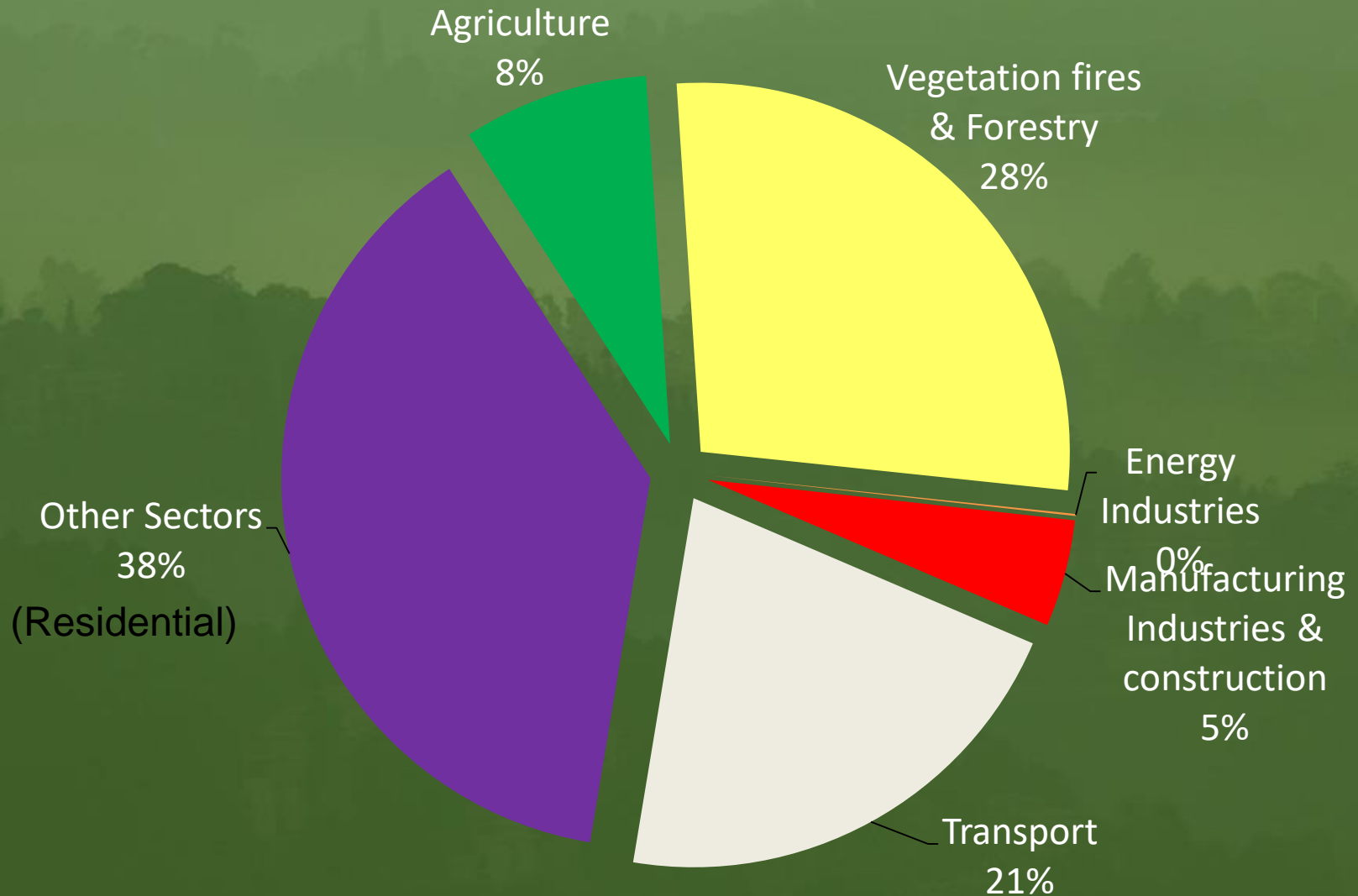
Total Emission



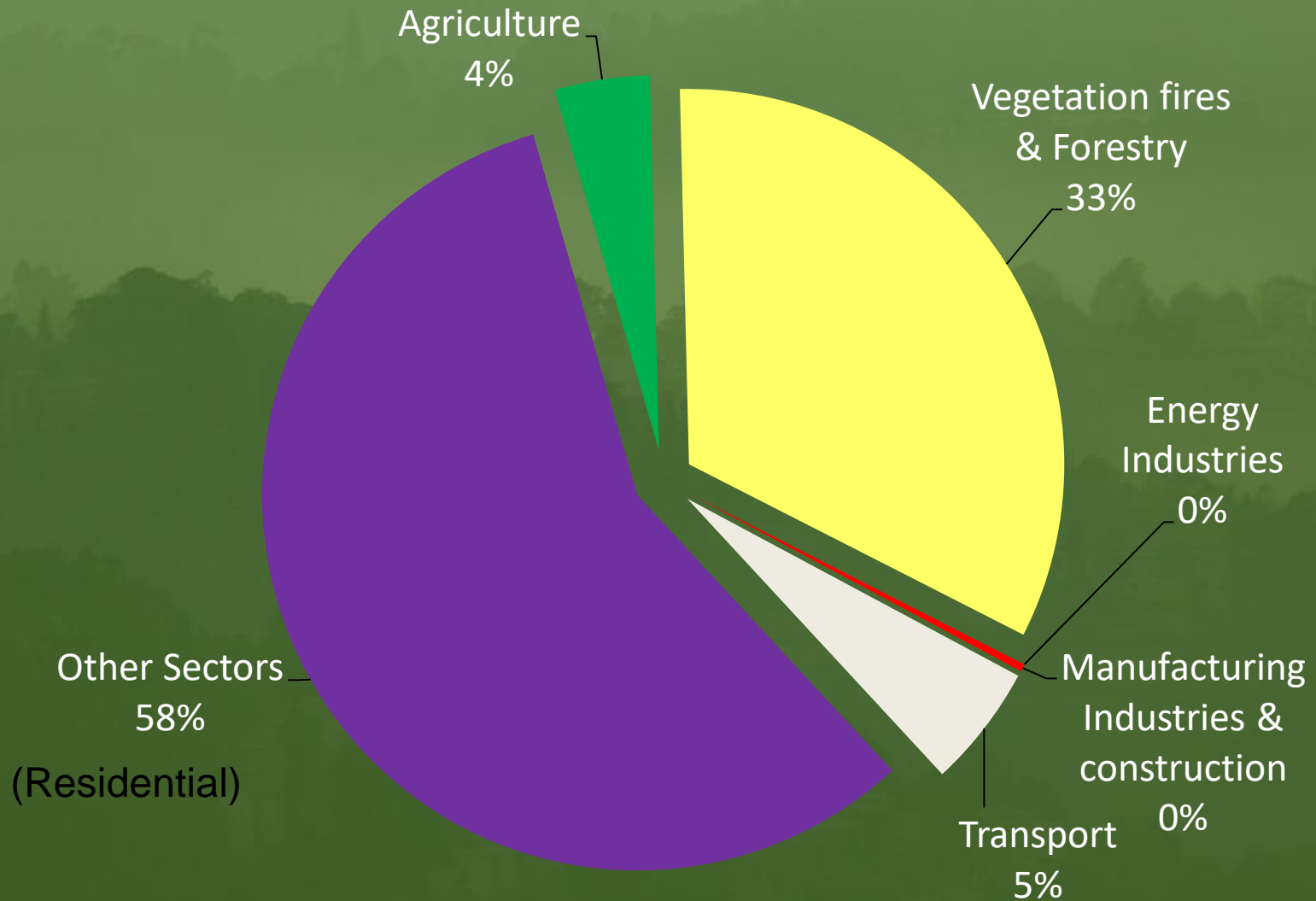
SO₂ Emission



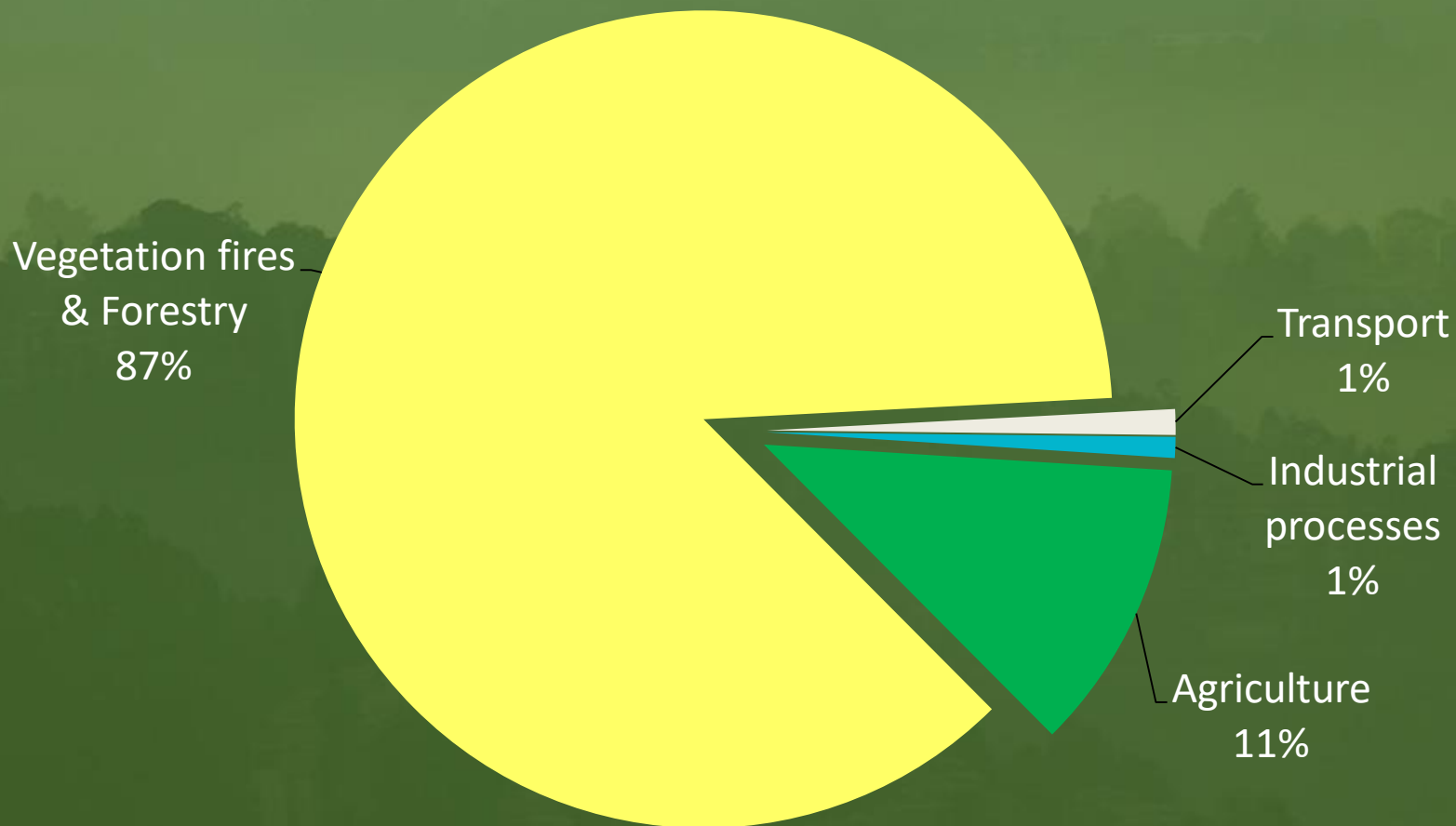
NO_x Emission



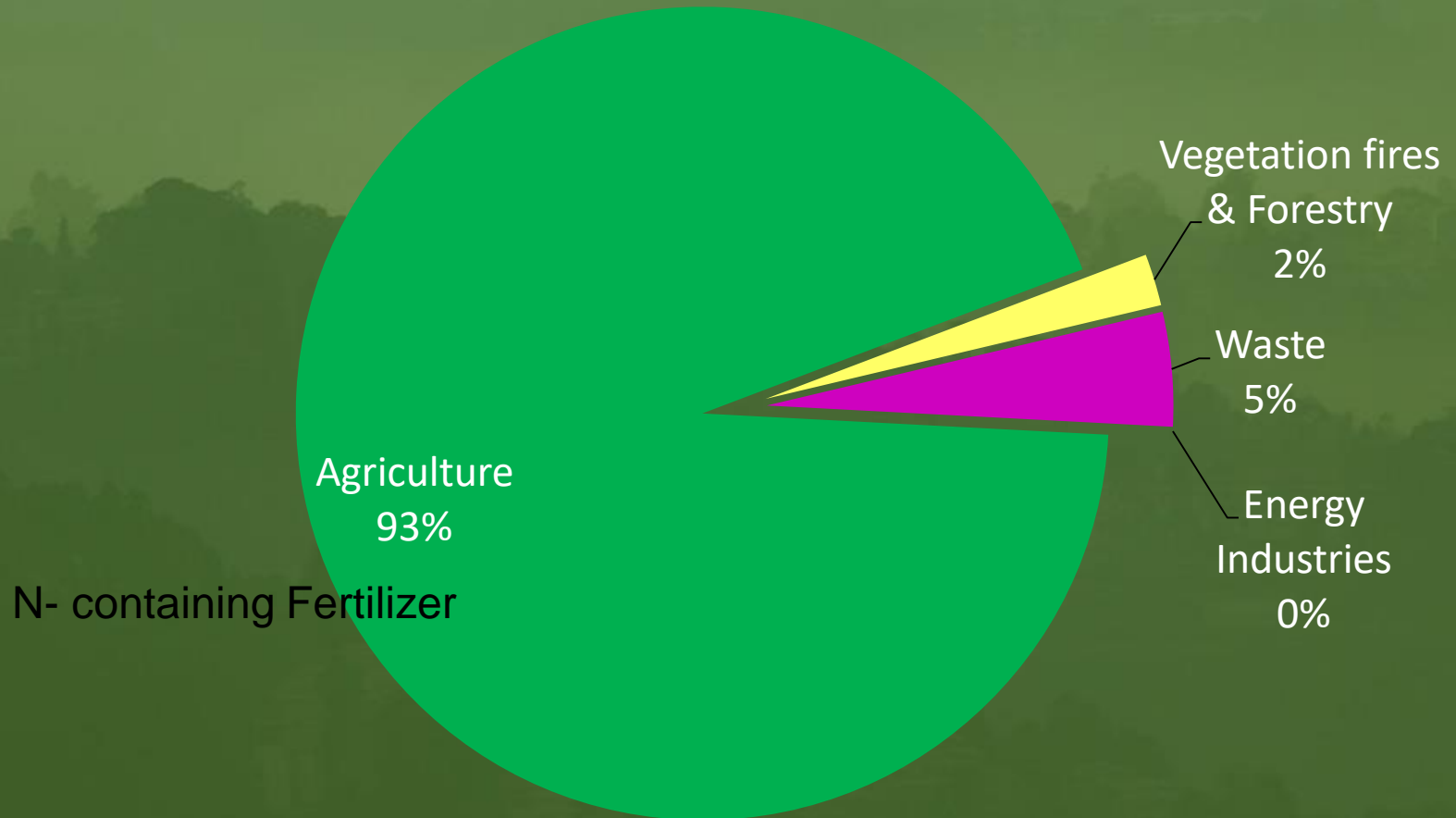
CO Emission



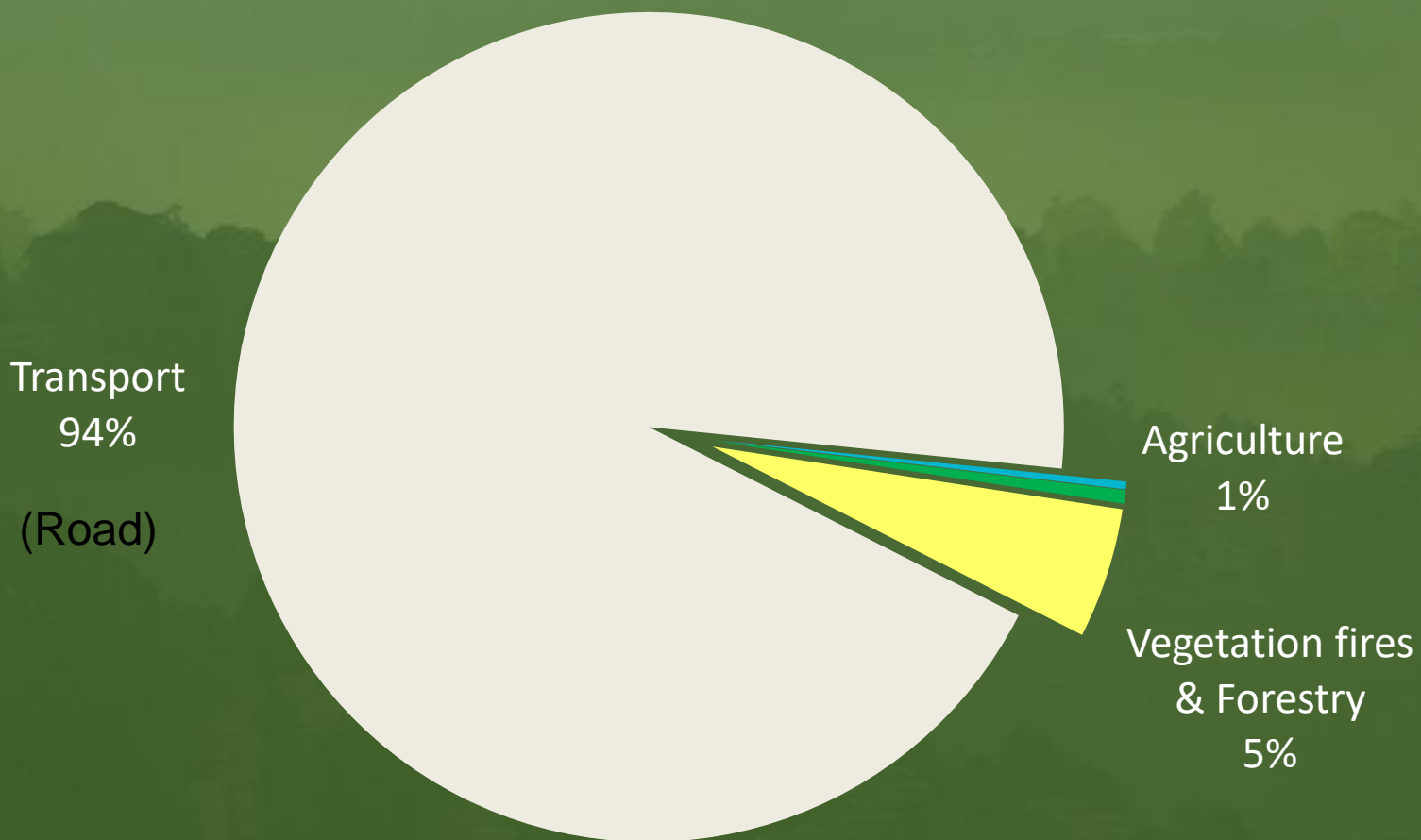
NMVOC Emission



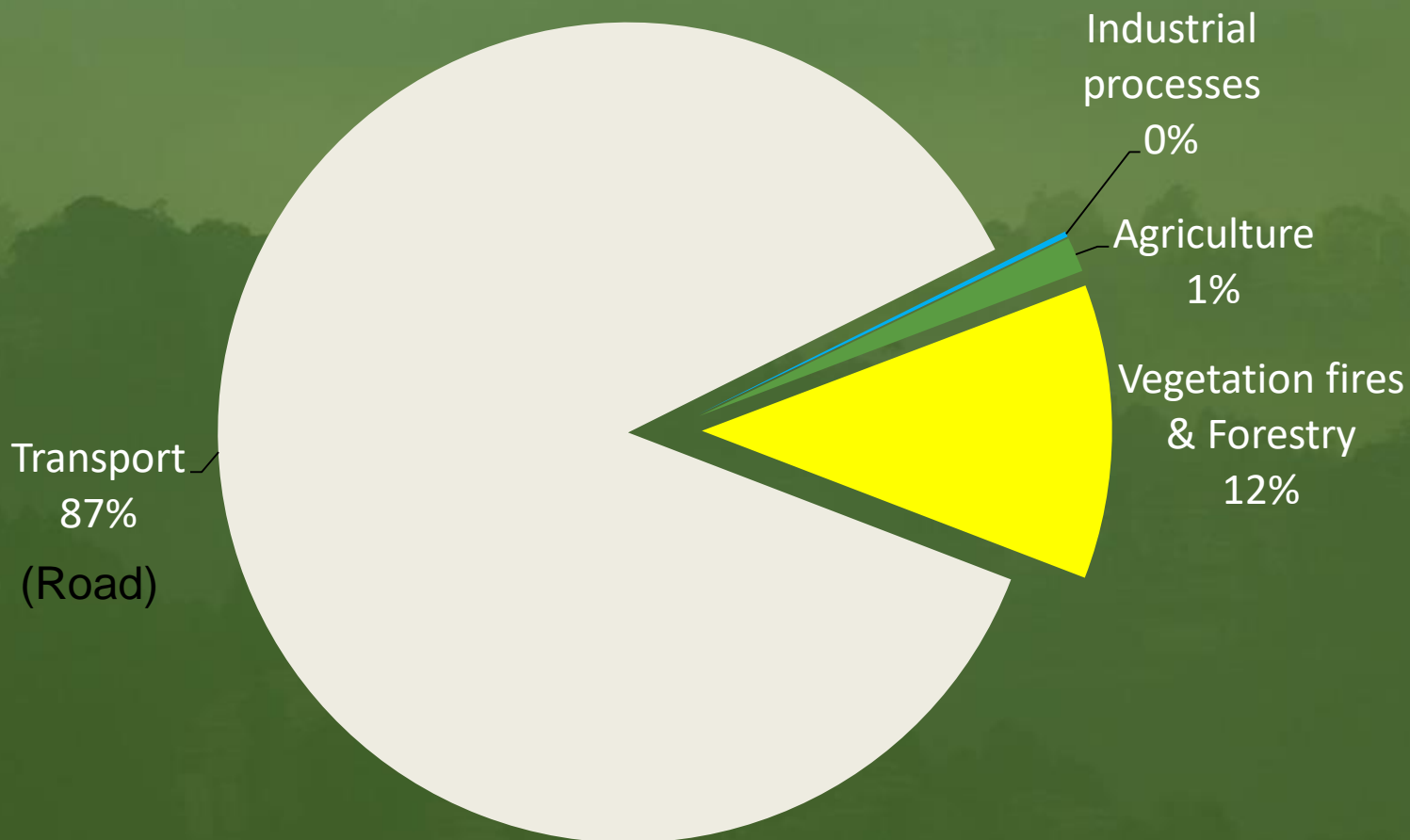
NH₃ Emission



PM10 Emission

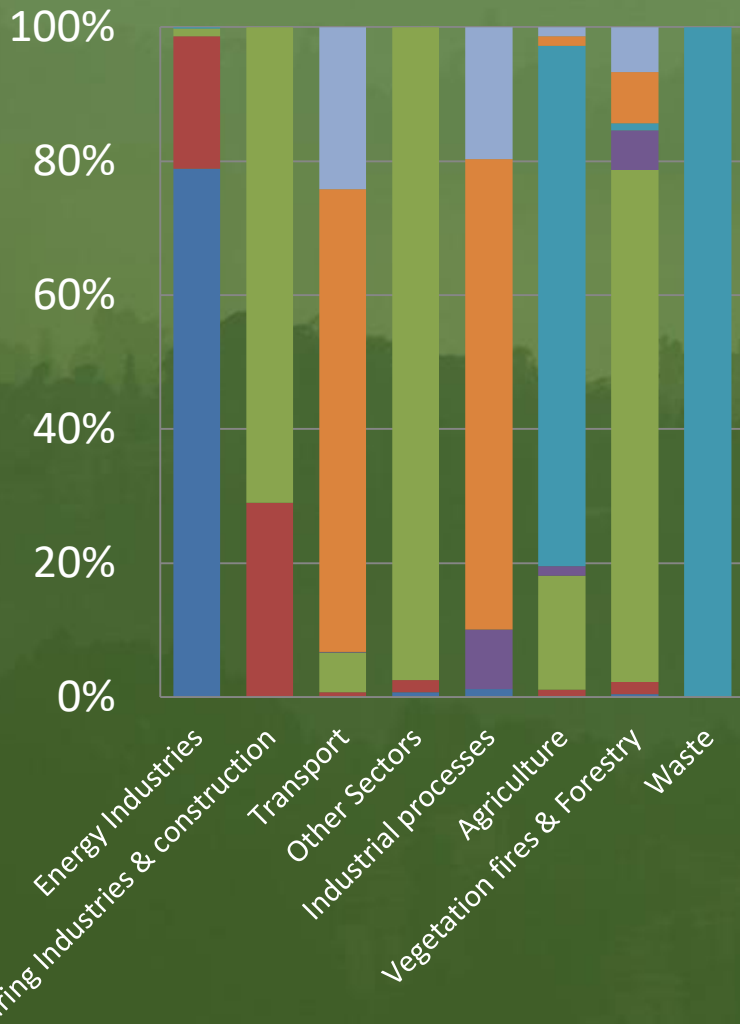


PM2.5 Emission

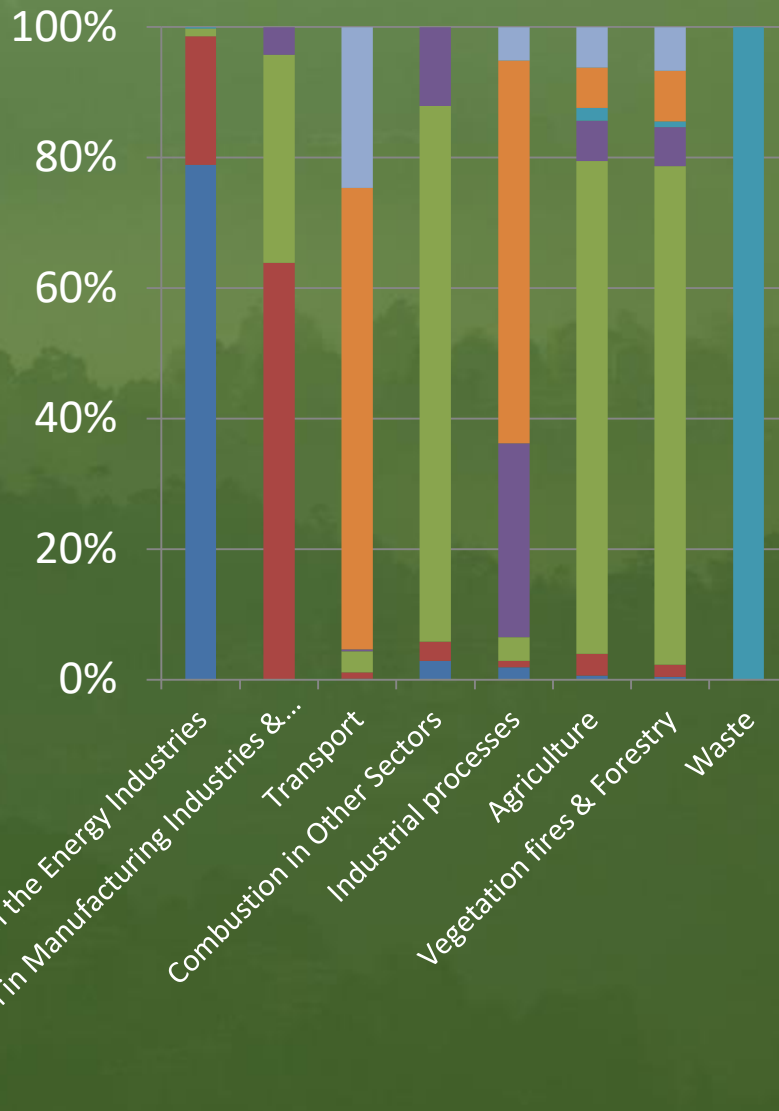


Emission from Each Sector of Nepal

Nepal



Kathmandu



Weakness

Dataset Unavailable

- 1 Waste incineration data
- 2 Vehicle – Distance Travel
- 3 Burning of Forest/ Grass land
- 4 Process (non combustion) emission from the producing
 - NMVOC emission from Bread factory
 - Emission from Solvent and other products

Challenges

1. Dataset in the scattered for
 - Difficulty in collection
 - Difficulty in comparison
2. Dataset are poor and lack uniformity which might result in inaccurate analysis and results
3. Political situation

Thank You