The 9th Workshop on GHG Inventories in Asia (WGIA9)

Cambodia's Greenhouse Gases Inventory for the year 2000

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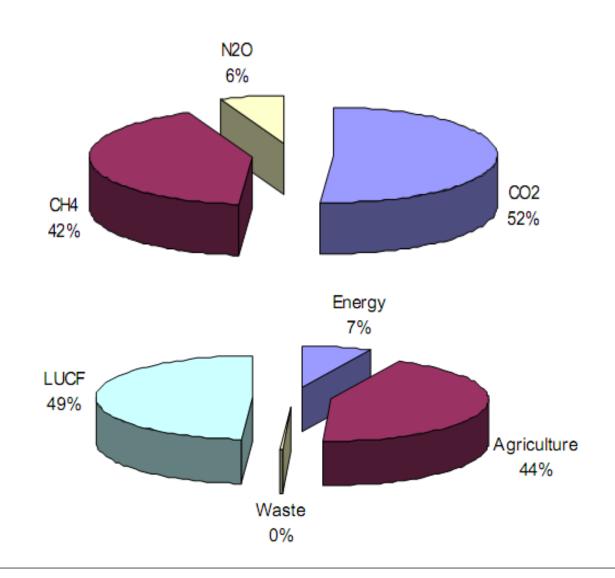
BACKGROUND

- Cambodia's Inventory of Greenhouse Gases for the Year 2000
- Using UNFCCC software for calculating and estimating emissions
- Inventory estimates of emissions for three gases : CO2, CH4 and N2O
- Emissions are nought in industrial processes,
- The Solvent and Other Product Use sector is only a significant source of NMVOCs and are not reported here.
- Activity data used in the inventory collected by national and international agencies

Total emissions and removals by sector

Greenhouse Gas Source and	CO ₂	CO ₂			Total
Sink Categories	Emissions	Removals	CH_4	N_2O	CO ₂ eq
Energy	2047.66		55.38	0.75	3443.93
Agriculture			875.52	8.79	21112.16
Land Use Change & Forestry	22858.73	-48165.86	32.06	0.22	-24565.50
Waste			10.18	0.05	229.24
Total	24906.39	-48165.86	973.14	9.81	219.83

Percentage of emissions by sector and gases in CO2 eq.



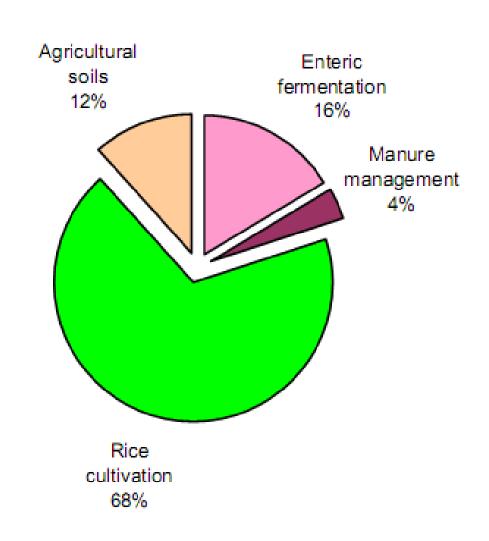
EMISSION IN ENERGY

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O
Total Energy	2,047.66	55.38	0.75
1 Energy Industries	545.49	0.02	0.00
a Public Electricity and Heat Production			
b Petroleum Refining			
 Manufacture of Solid Fuels and Other Energy 			
Industries			
2 Manufacturing Industries and Construction	77.21	0.04	0.01
3 Transport	774.39	0.12	0.01
a Civil Aviation	0.00	0.00	0.00
b Road Transportation	765.55	0.12	0.01
c Railways	8.84	0.00	0.00
d Navigation	0.00	0.00	0.00
4 Other Sectors	462.38	55.17	0.73
a Commercial/Institutional	61.64	0.73	0.01
b Residential	189.34	54.42	0.73
c Agriculture/Forestry/Fishing	211.40	0.01	0.00
5 Other (please specify)	188.19	0.03	0.00

EMISSIONS IN AGRICULTURE

AGRICULTURE greenhouse gas source categories	CH ₄	N ₂ O	Total CO₂eq (Gg)	Total CO2eq
Enteric fermentation	163.82		3,440.31	16
Manure management	22.37	1.11	812.90	4
Rice cultivation	684.05		14,365.01	68
Agricultural soils		7.62	2,363.69	11
Prescribed burning of savannahs	2.19	0.03	54.34	0
Field burning of agricultural residues	3.09	0.04	75.91	0
Total	875.52	8.79	21,112.16	100

Emissions by source categories for the Agriculture Sector



EMISSIONS AND REMOVALS IN LAND USE CHANGE AND FORESTRY

LUCF Greenhouse Gas Source and	CO ₂	CO ₂			
Sink Categories	Emissions	Removals	CH_4	N_2O	Total CO2eq
Changes in forest and woody biomass					
stocks		-27208.26			-27208.26
Forest and grassland conversion	22,858.73	0	32.06	0.22	23600.36
Abandonment of managed lands		-20,957.60			-20957.60
Total	22,858.73	-48,165.86	32.06	0.22	-24565.50

EMISSION IN WASTE

WEASTE greenhouse gas source			
categories	CH ₄	N ₂ O	Total CO2eq
Solid waste disposal on land	9.69		203.46
Waste-water handling	0.49	0.05	25.78
Waste incineration			0.00
Other (please specify)	0.00	0.00	0.00
Total	10.18	0.05	229.24