Philippine experience in GHG inventory preparation

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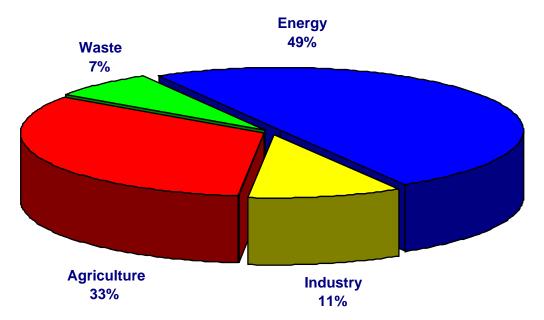
Outline

- Overview of Philippine GHG inventory
- Country experience (focus: Industry)
- Institutional arrangements



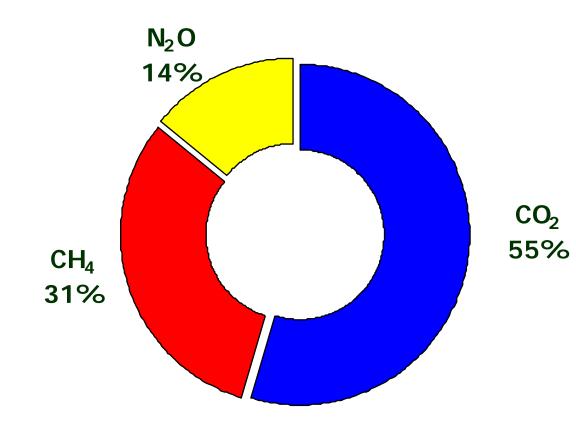
1994 Total GHG Emissions (non-LUCF)

SECTOR	CO ₂ Emissions (Gg)
Energy	50,038
Industry	10,603
Agriculture	33,130
Waste	7,094
TOTAL	100,864



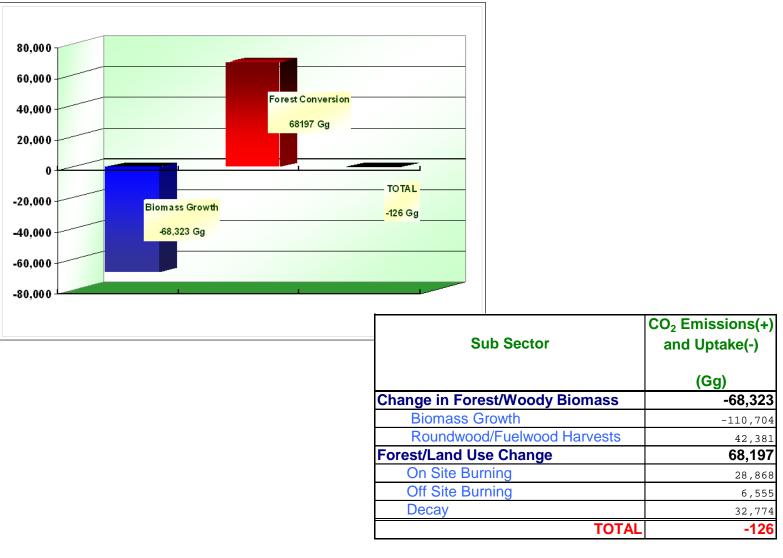


GHG Fraction of Philippine Emissions





LUCF





Subsect	or	CO ₂ Emissions (Gg)
Cement		4,771
Chemicals		99
Metals		4,334
Halocarbons		1,507
	TOTAL	10,711
н	alocarbon	
	14%	Cement 45%
Metals 40%	Chemicals 1%	



- Coverage: cement, iron and steel, chemicals, asphalt, pulp and paper, food and beverages, halocarbons
- Energy consumption as a driver
- Source of data: national statistics, reports of industry associations
- Production and consumption reports usually in monetary terms



- Industry associations provide contacts
 - Phil Iron and Steel Institute
 - Samahan sa Pilipinas ng mga Industriyang Kimika (SPIK)
- Example: Chemical industry (300 units)
 SPIK
 - production and ARCs (probable overestimate)
- Example: asphalt
 - Data from bitumen petroleum producers (Shell Philippines and Petron Corporation)



- Example: Food and beverage
 - Data sources: Food balance sheet of the Philippines, FAO
 - Aggregated activity data (alcoholic beverages)
- Example: Halocarbons
 - potential (not actual) emissions
 - Data source: importation data from Ozone Desk (EMB)

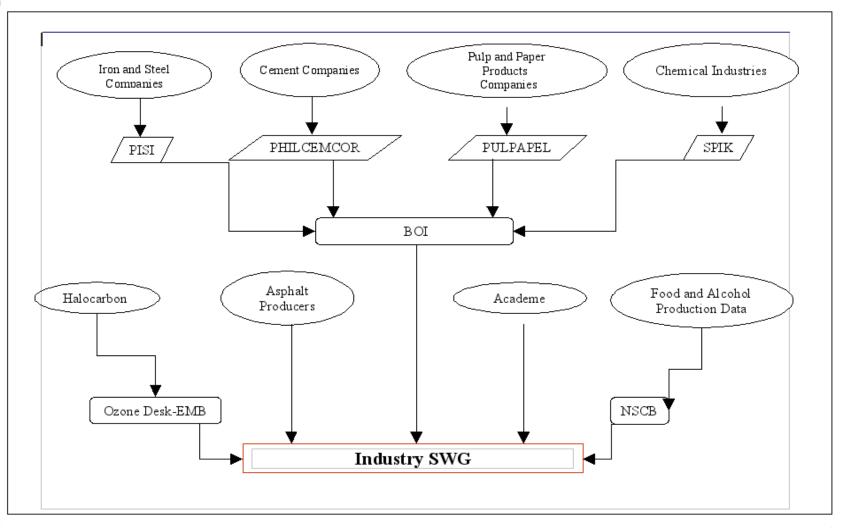


Institutional arrangements

- Convening of industry associations
- Philippine Business for the Environment
- GHG Protocol Initiative (WRI)
- DENR: AQ information (e.g. CEMs), emissions trading
- MOA
 - Data exchange
 - Trust: Confidentiality clause

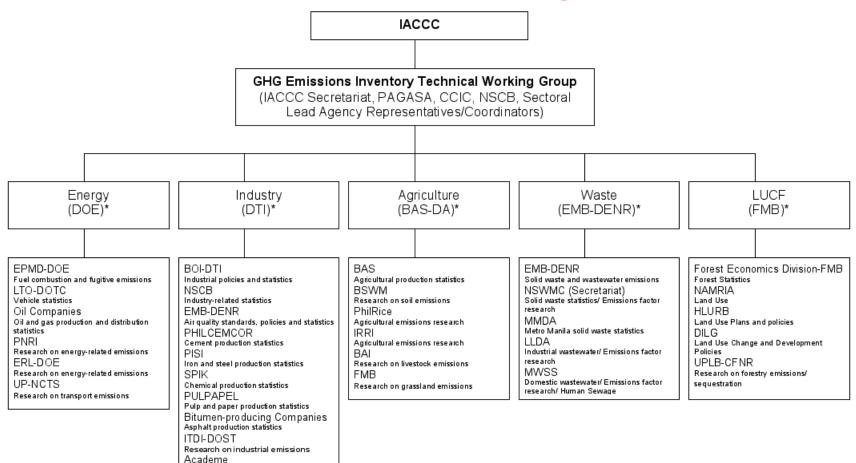


Institutional arrangements





Institutional arrangements



Research on industrial emissions

*Lead Agency



Thank you.

