







ATMOSPHERIC BROWN CLOUDS

EMISSION INVENTORY MANUAL



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Sectors and Sub-sectors



1.	Energy	Combustion in energy industry and energy using sectors				
		1.1 Energy industry (Power sector)				
		1.2 Manufacturing and construction (Industrial sector)				
		1.3 Transportation Sector (on-road, air traffic, railways, shipping)				
		1.4 Residential sector				
		1.5 Commercial Sector				
2.	Fugitive	Fugitive emissions from fuels				
3.		Process related emissions in manufacturing/process industries				
4.		Solvents and other products				
5.	Ď	Crop residue open burning				
6.	pen	Forest fires Municipal solid waste open burning				
7.	P 0					
8.	ဂ်	Other sectors				
	Others	8.1 Agricultural sector (fertilizer, manure,				
		8.2 Waste treatment and disposal				

Organization of chapters



Chapter X

- x.1 Overview
- x.2 Emission estimation methods (one or more)
- x.3 Data on activity level
- x.4 Emission factors
- x.5 Temporal and spatial distribution
- x.6 Summary (of calculation procedure in the sector/sub-sector)

Pollutants:

Greenhouse gases: CO₂, N₂O, CH₄,

Trace gases: SO₂, NO_x, CO, NMVOC, NH₃,

Particulate matter: PM₁₀, PM_{2.5}, BC, OC

Sources:

Point Sources

Area Sources

Mobile sources

SLCFs

ABC EIM Excel WOrkbook



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11.2.1 Menu box	16 17 18 19		
11.2.2 Structure of ABC EI template	20 21 22		
11.2.3 Example of emission inventory template	23 24 25 26		
11.2.4 Temporal emission worksheet	27 28 29 30 31		
11.2.5 Temporal and spatial distribution	32 33 34		
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11.3 Summary of emissions	42 43 44		

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21		Go	1.1.2. Petroleum refining							
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23		Go	1.1.3. Manufacture of solid fuels							
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25	1.2 MANUFACTI	URING AND CONSTRU	ICTION							
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37		Go	1.2.4. Chemicals							
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39		Go	1.2.5. Pulp and Paper							
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41		Go	1.2.6. Other manufacturing							
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ABC EIM Excel WOrkbook



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Nepal emission inventory using ABC EIM

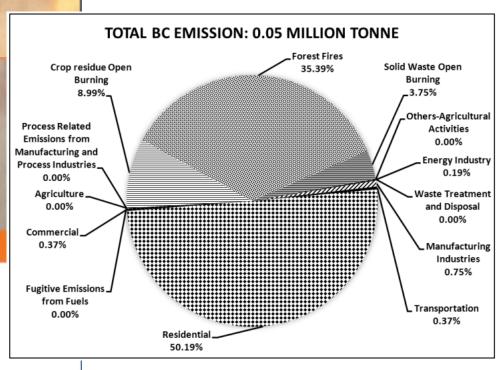


Emissions of Air Pollutants and Greenhouse Gases in Nepal

An Integrated Inventory

Ram M. Shrestha





BC emissions in Nepal 2008/09

Summary



- ABC Emission Inventory Manual provides a comprehensive framework with details on (sectoral/sub-sectoral) procedures for estimating emissions of SLCFs.
- Obtaining activity data for sectors or sub-sectors in a country or a region is one of the major challenges for estimating emissions of SLCFs



Thank You

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