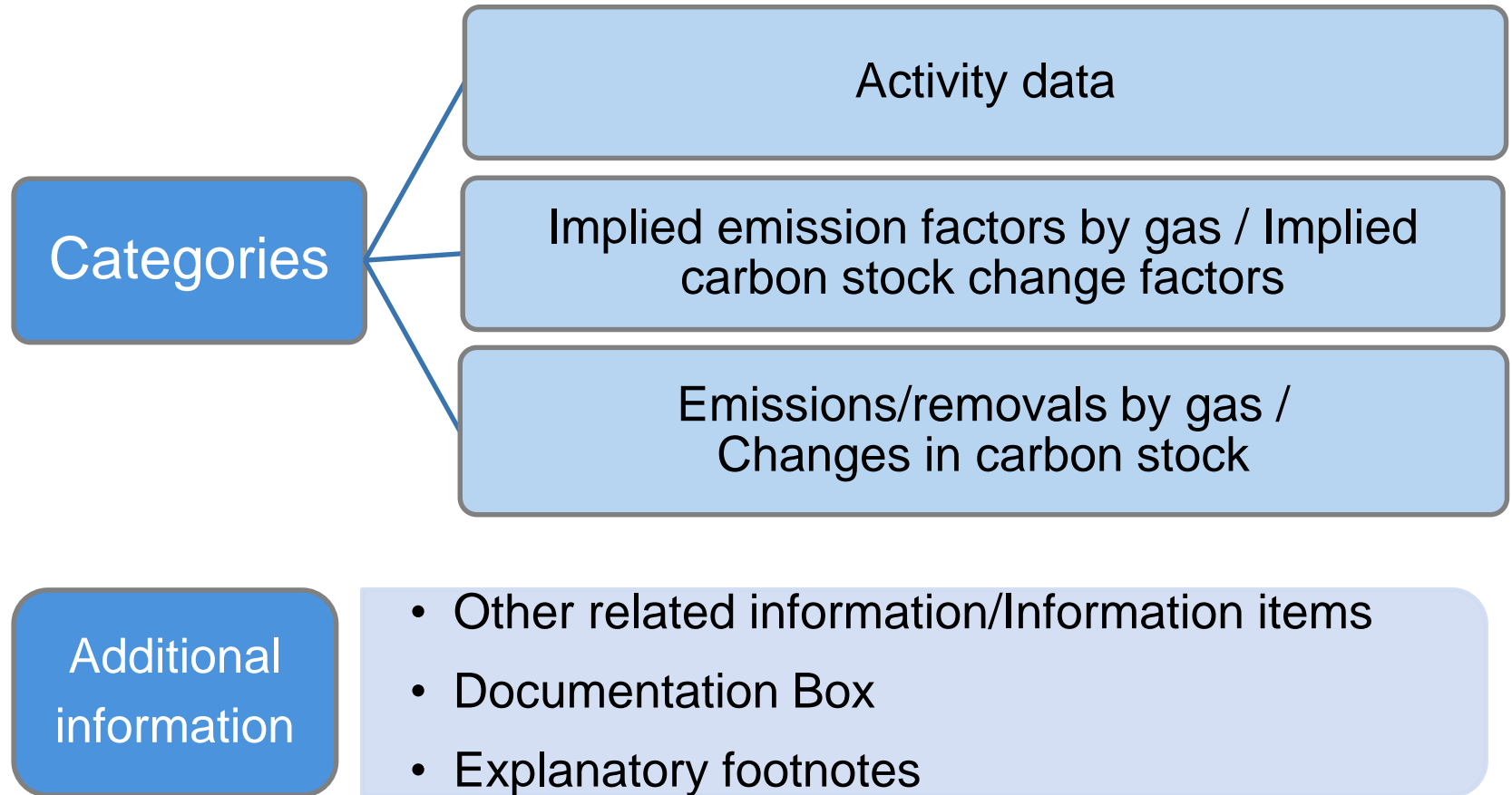


- Sectoral tables
 - Sectoral Background Data Tables
 - Sectoral Report Tables
 - Other (e.g. reference approach for energy)
- Other cross-sectoral tables
- Summary tables
- Workflow to populate the CRF tables



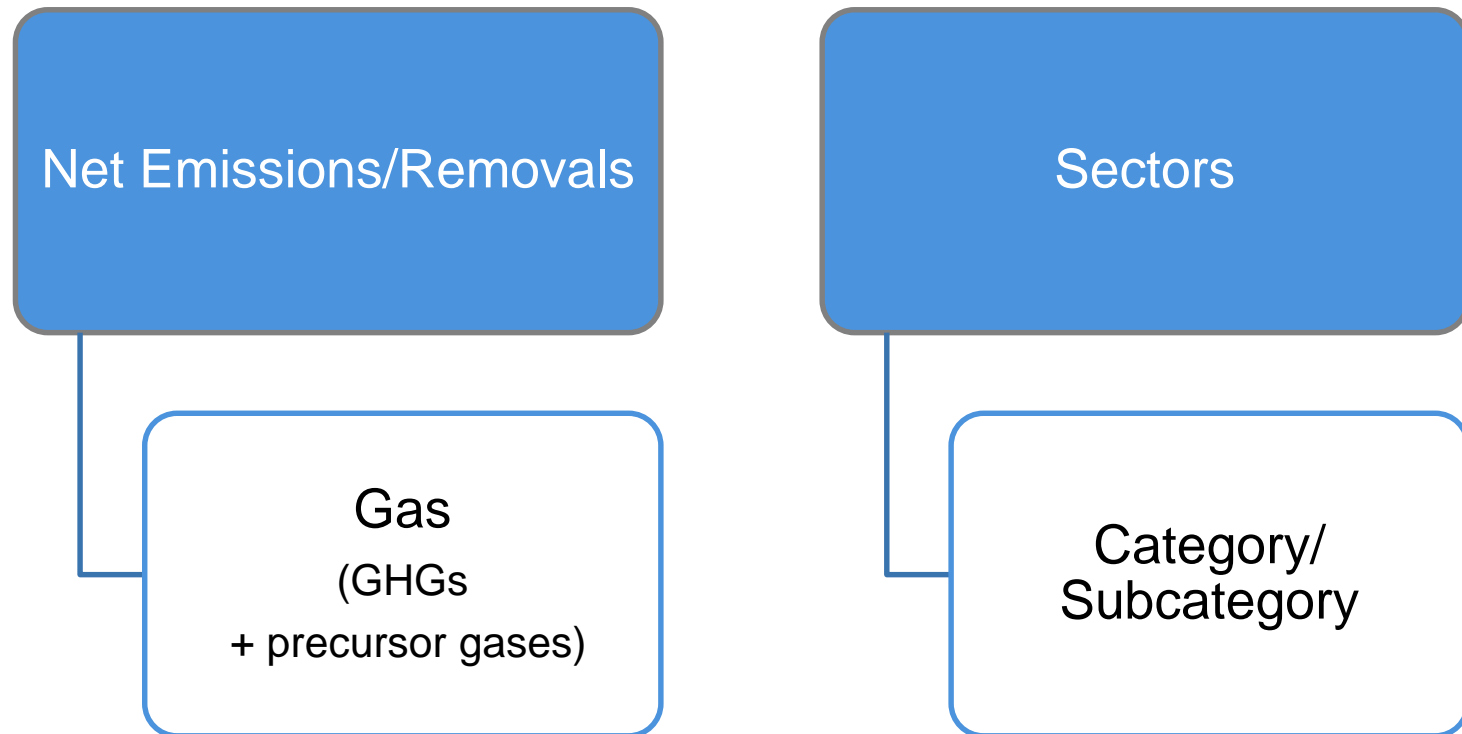
Sectoral Background Data Tables



Sectoral Background Data Tables

Category/subcategory	Activity data	Emission/removal factor (IEF/ICSF)	Emissions CO ₂ , CH ₄ , N ₂ O...
1.			
1.a			
1.b			
2.			
2.a			

Sectoral Report Tables



Sectoral Background Data Tables - Other

Sector specific information

- Energy: Reference approach, Comparison of reference and sectoral approaches, Non-Energy Use of fuels, Bunker fuels
- LULUCF: Land transition matrix, Harvested wood products

Other cross-sectoral tables

Indirect Emissions

Emissions
by sector

Key categories

Overview of key
categories

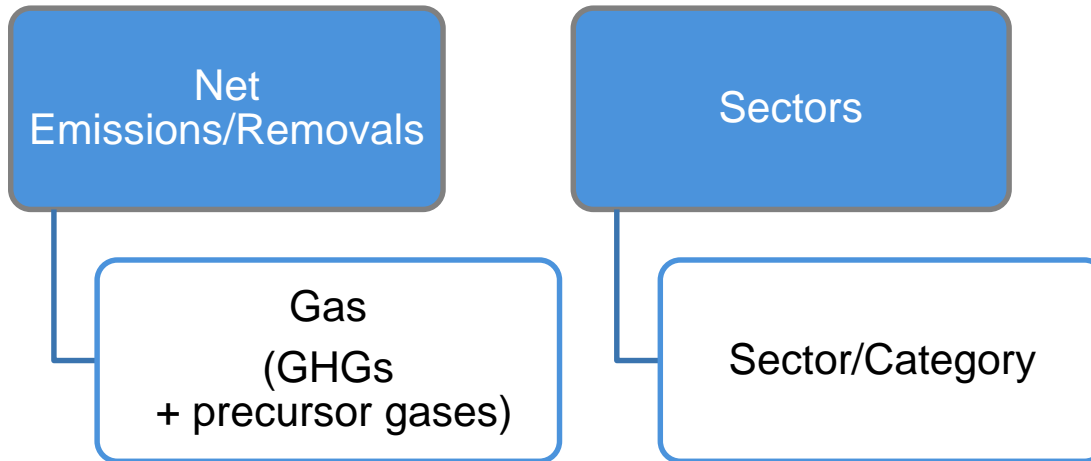
Criteria for KC
(e.g. level, trend)

Recalculations

Sector/
Category

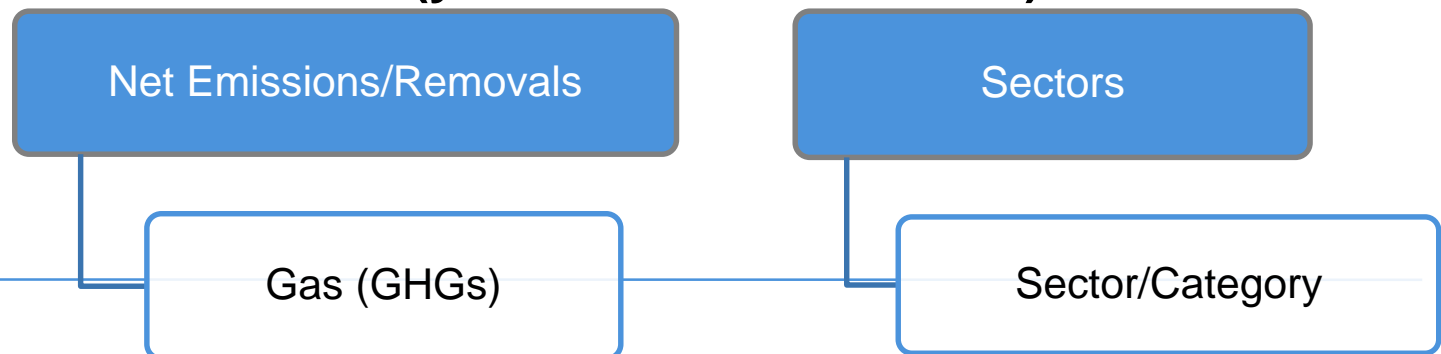
By gas

Emissions



Emission trends

(years of the time-series)



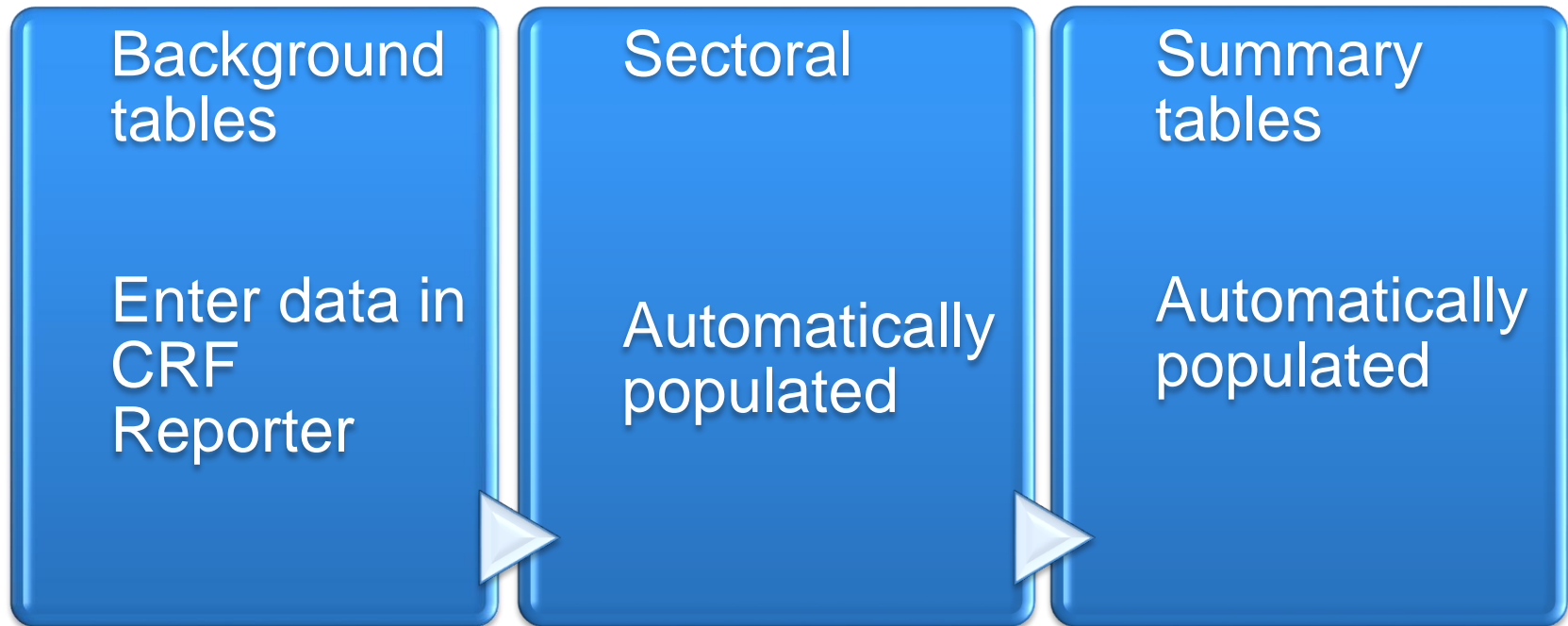
Emissions

Sector/category	Emissions CO ₂ , CH ₄ , N ₂ O...
1.	
1.a	
1.b	
2.	
2.a	

Emission trends for each gas

Sector/category	Years of the time series 1990...
1.	
1.a	
1.b	
2.	
2.a	

Populating the CRF tables



Workflow to populate CRF tables

CRF Reporter

Id	I5. Waste	I5.A. Solid Waste Disposal	Unit	1990	1991	1992
L1	Annual waste at the SWDS	kt	46,686.59084	41,300.97970	35,915.36856	
L2	Method					
L3	CO2	NA	NA	NA		
L4	CH4	T2	T2	T2		
L5	Emission factor information					
L6	CO2	NA	NA	NA		
L7	CH4	CS	CS	CS		
L8	Emissions					
L9	CO2	kt	NE,NA	NE,NA	NE,NA	
L10	CH4					
L11	Emissions	kt	1,370.00	1,452.00	1,493.00	
L12	Amount of CH4 flared	kt	IE,NA	IE,NA	IE,NA	
L13	Amount of CH4 for energy	kt	92.00	103.00	113.00	
L14	NOx	kt	NA	NA	NA	
L15	CO	kt	NA	NA	NA	
L16	NM VOC	kt	NA	NA	NA	
L17	Implied emission factor					
L18	CO2	t/t	NE,NA	NE,NA	NE,NA	
L19	CH4	t/t	0.0293446142	0.0351565510	0.04156899478	
L20	Documentation box					

TABLE 5.A SECTORAL BACKGROUND DATA FOR WASTE

Solid waste disposal
(Sheet 1 of 1)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION		
	Annual waste at the SWDS (kt)	MCF	DOC _t %
1. Managed waste disposal sites	46686.59		
a. Anaerobic	46686.59	1.00	50.00
b. Semi-aerobic	NA	NA	NA
2. Unmanaged waste disposal sites	NO	NO	NO
3. Uncategorized waste disposal sites	NO	NO	NO

CH ₄ ⁽¹⁾	CO ₂	EMISSIONS			CO ₂ ⁽⁴⁾
		CH ₄			
		Emissions ⁽²⁾	Amount of CH ₄ flared	Amount of CH ₄ for energy recovery ⁽³⁾	
(t/t waste)		(kt)			
0.03	NE,NA	1370.00	IE,NA	92.00	NE,NA
0.03	NE	1370.00	IE	92.00	NE
NA	NA	NA	NA	NA	NA
NO	NO	NO	NO	NO	NO
NO	NO	NO	NO	NO	NO

AD and GHG emissions in the background table automatically fills 10 other CRF tables.



CRF tables can be downloaded following the link:

http://unfccc.int/files/national_reports/annex_i_ghg_inventories/application/octet-stream/2006_ipcc_guidelines.7z



Table 1. National Communications from developing Parties

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ emissions (Gg)	CO ₂ removals (Gg)	CH ₄ (Gg)	N ₂ O (Gg)	CO (Gg)	NO _x (Gg)	NMVOCs (Gg)	SO _x (Gg)
Total national emissions and removals	X	X	X	X	X	X	X	X
1. Energy	X	X	X	X	X	X	X	X
A. Fuel combustion (sectoral approach)	X		X	X	X	X	X	X
1. Energy industries	X		X	X	X	X	X	X
2. Manufacturing industries and construction	X		X	X	X	X	X	X
3. Transport	X		X	X	X	X	X	X
4. Other sectors	X		X	X	X	X	X	X
5. Other (please specify)	X		X	X	X	X	X	X
B. Fugitive emissions from fuels	X		X		X	X	X	X
1. Solid fuels			X		X	X	X	X
2. Oil and natural gas			X		X	X	X	X
2. Industrial processes	X	X	X	X	X	X	X	X
A. Mineral products	X				X	X	X	X
B. Chemical industry	X		X	X	X	X	X	X
C. Metal production	X		X	X	X	X	X	X
D. Other production	X				X	X	X	X
E. Production of halocarbons and sulphur hexafluoride								
F. Consumption of halocarbons and sulphur hexafluoride								
G. Other (please specify)	X		X	X	X	X	X	X
3. Solvent and other product use	X			X			X	
4. Agriculture			X	X	X	X	X	X
A. Enteric fermentation			X					
B. Manure management			X	X			X	
C. Rice cultivation			X				X	
D. Agricultural soils			X	X			X	
E. Prescribed burning of savannahs			X	X	X	X	X	
F. Field burning of agricultural residues			X	X	X	X	X	
G. Other (please specify)			X	X	X	X	X	
5. Land-use change and forestry	X ^b	X ^b	X	X	X	X	X	X
A. Changes in forest and other woody biomass stocks	X ^b	X ^b						
B. Forest and grassland conversion	X	X	X	X	X	X		
C. Abandonment of managed lands		X						
D. CO ₂ emissions and removals from soil	X ^b	X ^b						
E. Other (please specify)	X	X	X	X	X	X		
6. Waste			X	X	X	X	X	X
A. Solid waste disposal on land			X	X	X		X	
B. Waste-water handling			X	X	X	X	X	
C. Waste incineration					X	X	X	X
D. Other (please specify)			X	X	X	X	X	X
7. Other (please specify)	X	X	X	X	X	X	X	X
Memo items								
International bunkers	X		X	X	X	X	X	X
Aviation	X		X	X	X	X	X	X
Marine	X		X	X	X	X	X	X
CO₂ emissions from biomass	X							



Table 2. National Communications from developing Parties

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	HFCs ^{a,b} (Gg)			PFCs ^{a,b} (Gg)			SF ₆ ^a (Gg)
	HFC-23	HFC-134	Other (to be added)	CF ₄	C ₂ F ₆	Other (to be added)	
Total national emissions and removals	X	X	X	X	X	X	X
1. Energy							
A. Fuel combustion (sectoral approach)							
1. Energy industries							
2. Manufacturing industries and construction							
3. Transport							
4. Other sectors							
5. Other (please specify)							
B. Fugitive emissions from fuels							
1. Solid fuels							
2. Oil and natural gas							
2. Industrial processes	X	X	X	X	X	X	X
A. Mineral products							
B. Chemical industry							
C. Metal production	X	X	X	X	X	X	X
D. Other production							
E. Production of halocarbons and sulphur hexafluoride	X	X	X	X	X	X	X
F. Consumption of halocarbons and sulphur hexafluoride	X	X	X	X	X	X	X
G. Other (please specify)							
3. Solvent and other product use							
4. Agriculture							
A. Enteric fermentation							
B. Manure management							
C. Rice cultivation							
D. Agricultural soils							
E. Prescribed burning of savannahs							
F. Field burning of agricultural residues							
G. Other (please specify)							
5. Land-use change and forestry							
A. Changes in forest and other woody biomass stocks							
B. Forest and grassland conversion							
C. Abandonment of managed lands							
D. CO ₂ emissions and removals from soil							
E. Other (please specify)							
6. Waste							
A. Solid waste disposal on land							
B. Waste-water handling							
C. Waste incineration							
D. Other (please specify)							
7. Other (please specify)	X	X	X	X	X	X	X
Memo items							
International bunkers							
Aviation							
Marine							
CO₂ emissions from biomass							

