TABLE 6 CROSS-SECTORAL REPORT: Indirect emissions of N2O and CO2
(Sheet 1 of 1)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	SOURCE EMISSIONS					INDIRECT EMISSIONS	
	CH_4	CO	NMVOC	NO_x	NH3	CO2	N2O
	(Gg)						(Gg)
Total							
1. Energy							
2. Industrial processes and product use							
3. AFOLU - Agriculture							
4. AFOLU - Forestry and other land use							
Indirect N2O emissions from managed soils							
Indirect N2O emissions from manure management							
Other (please specify)							
5. Waste							
6. Other *(please specify)*							

NEW TABLE

SUMMARY 1.A SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 7A)
(Sheet 1 of 3)

Year
Submission
Country

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Net CO_2 emissions/removals	CH_4	N_2O	HFCs[1]	PFCs[1]	SF_6	NF_3	halogenated	NO_x	CO	NMVOC	SO_2
	(Gg)											
Total National Emissions and Removals												
1. Energy												
A. Fuel Combustion — Reference Approach [2]												
A. Fuel Combustion — Sectoral Approach [2]												
1. Energy Industries												
2. Manufacturing Industries and Construction												
3. Transport												
4. Other Sectors												
5. Other												
B. Fugitive Emissions from Fuels												
1. Solid Fuels												
2. Oil and Natural Gas												
3. Other Emissions from Energy Production												
C. CO2 Transport and Storage												
2. Industrial Processes												
A. Mineral Products												
B. Chemical Industry												
C. Metal Production												
D. Non-Energy Products from Guels and Solvent Use ~~Other Production [2]~~												
E. Electronic Industry ~~Production of Halocarbons and SF_6~~												
F. Product Uses as ODS Substitutes ~~Consumption of Halocarbons and SF_6~~												
G. Other Product Manufacture and Use ~~Consumption of Halocarbons and SF_7~~												
H. Other												

Note: **A** = Actual emissions based on Tier 2 approach of the IPCC Guidelines.
P = Potential emissions based on Tier 1 approach of the IPCC Guidelines.

Note: All footnotes for this table are given at the end of the table on sheet 3.

SUMMARY 1.A SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 7A)
(Sheet 2 of 3)

Year
Submission
Country

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Net CO_2 emissions/removals	CH_4	N_2O	HFCs [1]		PFCs[1]		SF_6		NO_x	CO	NMVOC	SO_2
				P	A	P	A	P	A				
	(Gg)			CO_2 equivalent (Gg)						(Gg)			
~~3. Solvent and Other Product Use~~													
3. Agriculture, Forestry and Other Land Use													
A. AFOLU - Agriculture													
A. Enteric Fermentation													
B. Manure Management													
C. Rice Cultivation													
D. Agricultural Soils[4]													
E. Prescribed Burning of Savannas													
F. Field Burning of Agricultural Residues													
G. Other													
B. AFOLU - Land Use, Land-Use Change and Forestry	[5]												
A. Forest Land	[5]												
B. Cropland	[5]												
C. Grassland	[5]												
D. Wetlands	[5]												
E. Settlements	[5]												
F. Other Land	[5]												
G. Other	[5]												
C. Aggregate sources and non-CO2 emissions sources on land													
4. Waste													
A. Solid Waste Disposal ~~on Land~~													
B. Biological Treatment of Solid Waste	[6]												
C. ~~Waste Incineration~~ Incineration and Open Burning of Waste													
D. Waste Water ~~Handling~~ Treatment and Discharge	[6]												
E. Other													
5. Other *(please specify)* [7]													
Indirect CO2 and N2O													

Note: All footnotes for this table are given at the end of the table on sheet 3.

SUMMARY 1.A SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 7A)
(Sheet 3 of 3)

Year
Submission
Country

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Net CO_2 emissions/removals	CH_4	N_2O	HFCs		PFCs		SF_6		NO_x	CO	NMVOC	SO_2
				P	A	P	A	P	A				
	(Gg)			CO_2 equivalent (Gg)						(Gg)			
Memo Items: [8]													
International Bunkers													
Aviation													
Marine													
Multilateral Operations													
CO_2 Emissions from Biomass													
CO2 captured													
Long-term storage of C in waste disposal sites													
Indirect CO2 and N2O													

(1) The emissions of HFCs and PFCs are to be expressed as CO_2 equivalent emissions. Data on disaggregated emissions of HFCs and PFCs are to be provided in Table 2(II) of this common reporting format.

(2) For verification purposes, countries are asked to report the results of their calculations using the Reference approach and to explain any differences with the Sectoral approach in the documentation box to Table 1.A.(c). For estimating national total emissions, the results from the Sectoral approach should be used, where possible.

(3) Other Production includes Pulp and Paper and Food and Drink Production.

(4) Parties which previously reported CO_2 from soils in the Agriculture sector should note this in the NIR.

(5) For the purposes of reporting, the signs for removals are always negative (-) and for emissions positive (+).

(6) CO_2 from source categories Solid Waste Disposal on Land and Waste Incineration should only be included if it stems from non-biogenic or inorganic waste streams. Only emissions from Waste Incineration Without Energy Recovery are to be reported in the Waste sector, whereas emissions from Incineration With Energy Recovery are to be reported in the Energy sector.

(7) If reporting any country-specific source category under sector "7. Other", detailed explanations should be provided in Chapter 9: Other (CRF sector 7) of the NIR

(8) Countries are asked to report emissions from international aviation and marine bunkers and multilateral operations, as well as CO_2 emissions from biomass, under Memo Items. These emissions should not be included in the national total emissions from the energy sector. Amounts of biomass used as fuel are included in the national energy consumption but the corresponding CO_2 emissions are not included in the national total as it is assumed that the biomass is produced in a sustainable manner. If the biomass is harvested at an unsustainable rate, net CO_2 emissions are accounted for as a loss of biomass stocks in the Land Use, Land-use Change and Forestry sector.

SUMMARY 1.B SHORT SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 7B)
(Sheet 1 of 1)

Year
Submission
Country

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Net CO_2 emisions/removals	CH_4	N_2O	$HFCs^{(1)}$		$PFCs^{(1)}$		SF_6		NO_x	CO	NMVOC	SO_2
				P	A	P	A	P	A				
	(Gg)			CO_2 equivalent (Gg)						(Gg)			
Total National Emissions and Removals													
1. Energy													
A. Fuel Combustion — Reference Approach[2]													
Sectoral Approach[2]													
B. Fugitive Emissions from Fuels													
2. Industrial Processes													
3. Agriculture, Forestry and Other Land Use ~~Solvent and Oth~~													
A. Agriculture [3]													
B. Foresty and Other Land Use~~, Land-Use Change an~~ [4]													
6. Waste													
7. Other													
Memo Items: [5]													
International Bunkers													
Aviation													
Marine													
Multilateral Operations													
CO_2 Emissions from Biomass													

DELETED

Note: A = Actual emissions based on Tier 2 approach of the IPCC Guidelines.
P = Potential emissions based on Tier 1 approach of the IPCC Guidelines.

(1) The emissions of HFCs and PFCs are to be expressed as CO_2 equivalent emissions. Data on disaggregated emissions of HFCs and PFCs are to be provided in Table 2(II) of this common reporting format.

(2) For verification purposes, countries are asked to report the results of their calculations using the Reference approach and to explain any differences with the Sectoral approach in the documentation box to Table 1.A.(c). For estimating national total emissions, the result from the Sectoral approach should be used, where possible.

(3) Parties which previously reported CO_2 from soils in the Agriculture sector should note this in the NIR.

(4) For the purposes of reporting, the signs for removals are always negative (-) and for emissions positive (+).

(5) Countries are asked to report emissions from international aviation and marine bunkers and multilateral operations, as well as CO_2 emissions from biomass, under Memo Items. These emissions should not be included in the national total emissions from the energy sector. Amounts of biomass used as fuel are included in the national energy consumption but the corresponding CO_2 emissions are not included in the national total as it is assumed that the biomass is produced in a sustainable manner. If the biomass is harvested at an unsustainable rate, net CO_2 emissions are accounted for as a loss of biomass stocks in the Land Use, Land-use Change and Forestry sector.

SUMMARY 2 SUMMARY REPORT FOR CO_2 EQUIVALENT EMISSIONS
(Sheet 1 of 1)

Year
Submission
Country

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO_2 [1]	CH_4	N_2O	HFCs [2]	PFCs [2]	SF_6 [2]	NF_3	er halogenated g	Total
	CO_2 equivalent (Gg)								
Total (Net Emissions) [1]									
1. Energy									
A. Fuel Combustion (Sectoral Approach)									
1. Energy Industries									
2. Manufacturing Industries and Construction									
3. Transport									
4. Other Sectors									
5. Other									
B. Fugitive Emissions from Fuels									
1. Solid Fuels									
2. Oil and Natural Gas									
3. Other Emissions from Energy Production									
C. CO2 Transport and Storage									
2. Industrial Processes									
A. Mineral Products									
B. Chemical Industry									
C. Metal Production									
D. Non-Energy Products from Guels and Solvent Use ~~Other Production~~ [3]									
E. Electronic Industry ~~Production of Halocarbons and SF_6~~									
F. Product Uses as ODS Substitutes ~~Consumption of Halocarbons and SF_6~~									
G. Other Product Manufacture and Use ~~Consumption of Halocarbons and SF_6~~									
H. Other									
3. Agriculture, Forestry and Other Land Use									
~~**3. Solvent and Other Product Use**~~									
4. Agriculture									
A. Enteric Fermentation									
B. Manure Management									
C. Rice Cultivation									
D. Agricultural Soils [3]									
E. Prescribed Burning of Savannas									
F. Field Burning of Agricultural Residues									
G. Other									
5. Land Use, Land-Use Change and Forestry [1]									
A. Forest Land									
B. Cropland									
C. Grassland									
D. Wetlands									
E. Settlements									
F. Other Land									
G. Other									
C. Aggregate sources and non-CO2 emissions sources on land									
4. Waste									
A. Solid Waste Disposal ~~**on Land**~~									
B. Biological Treatment of Solid Waste									
C. ~~Waste Incineration~~ Incineration and Open Burning of Waste									
D. Waste Water ~~**Handling**~~ **Treatment and Discharge**									
E. Other									
5. Other *(as specified in Summary 1.A)*									
Indirect emissions									

Memo Items: [4]									
International Bunkers									
Aviation									
Marine									
Multilateral Operations									
CO_2 Emissions from Biomass									
CO2 captured									
Long-term storage of C in waste disposal sites									
Indirect CO2 and N2O									

Total direct CO_2 Equivalent Emissions without Land Use, Land-Use Change and Forestry	
Total direct CO_2 Equivalent Emissions with Land Use, Land-Use Change and Forestry	
Total Direct and Indirect CO_2 Equivalent Emissions without Land Use, Land-Use Change and Forestry	
Total CO_2 Equivalent Emissions with Land Use, Land-Use Change and Forestry	

(1) For CO_2 from Land Use, Land-use Change and Forestry the net emissions/removals are to be reported. For the purposes of reporting, the signs for removals are always negative (-) and for emissions positive (+).

(2) Actual emissions should be included in the national totals. If no actual emissions were reported, potential emissions should be included.

(3) Parties which previously reported CO_2 from soils in the Agriculture sector should note this in the NIR.

(4) See footnote 8 to table Summary 1.A.

SUMMARY 3 SUMMARY REPORT FOR METHODS AND EMISSION FACTORS USED
(Sheet 1 of 2)

Year
Submission
Country

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO_2		CH_4		N_2O		HFCs		PFCs		SF_6	
	Method applied	Emission factor	Method applied	Emission factor	Method applied	Emission factor	Method applied	Emission factor	Method applied	Emission factor	Method applied	Emission factor
1. Energy												
A. Fuel Combustion												
1. Energy Industries												
2. Manufacturing Industries and Construction												
3. Transport												
4. Other Sectors												
5. Other												
B. Fugitive Emissions from Fuels												
1. Solid Fuels												
2. Oil and Natural Gas												
2. Industrial Processes												
A. Mineral Products												
B. Chemical Industry												
C. Metal Production												
D. Other Production												
E. Production of Halocarbons and SF_6												
F. Consumption of Halocarbons and SF_6												
G. Other												

Use the following notation keys to specify the method applied:

D (IPCC default) **T1a, T1b, T1c** (IPCC Tier 1a, Tier 1b and Tier 1c, respectively) **CR** (CORINAIR)
RA (Reference Approach) **T2** (IPCC Tier 2) **CS** (Country Specific)
T1 (IPCC Tier 1) **T3** (IPCC Tier 3) **OTH** (Other)

If using more than one method within one source category, list all the relevant methods. Explanations regarding country-specific methods, other methods or any modifications to the default IPCC methods, as well as information regarding the use of different methods per source category where more than one method is indicated, should be provided in the documentation box. Also use the documentation box to explain the use of notation OTH.

Use the following notation keys to specify the emission factor used:

D (IPCC default) **CS** (Country Specific) **OTH** (Other)
CR (CORINAIR) **PS** (Plant Specific)

Where a mix of emission factors has been used, list all the methods in the relevant cells and give further explanations in the documentation box. Also use the documentation box to explain the use of notation OTH.

SUMMARY 3 SUMMARY REPORT FOR METHODS AND EMISSION FACTORS USED
(Sheet 2 of 2)

Year

Submission

Country

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO_2		CH_4		N_2O		HFCs		PFCs		SF_6	
	Method applied	Emission factor	Method applied	Emission factor	Method applied	Emission factor	Method applied	Emission factor	Method applied	Emission factor	Method applied	Emission factor
3. Solvent and Other Product Use												
4. Agriculture												
A. Enteric Fermentation												
B. Manure Management												
C. Rice Cultivation												
D. Agricultural Soils												
E. Prescribed Burning of Savannas												
F. Field Burning of Agricultural Residues												
G. Other												
5. Land Use, Land-Use Change and Forestry												
A. Forest Land												
B. Cropland												
C. Grassland												
D. Wetlands												
E. Settlements												
F. Other Land												
G. Other												
6. Waste												
A. Solid Waste Disposal on Land												
B. Waste-water Handling												
C. Waste Incineration												
D. Other												
7. Other (as specified in Summary 1.A)												

Use the following notation keys to specify the method applied:

D (IPCC default) **T1a, T1b, T1c** (IPCC Tier 1a, Tier 1b and Tier 1c, respectively) **CR** (CORINAIR)

RA (Reference Approach) **T2** (IPCC Tier 2) **CS** (Country Specific)

T1 (IPCC Tier 1) **T3** (IPCC Tier 3) **OTH** (Other)

If using more than one method within one source category, list all the relevant methods. Explanations regarding country-specific methods, other methods or any modifications to the default IPCC methods, as well as information regarding the use of different methods per source category where more than one method is indicated, should be provided in the documentation box. Also use the documentation box to explain the use of notation OTH.

Use the following notation keys to specify the emission factor used:

D (IPCC default) **CS** (Country Specific) **OTH** (Other)

CR (CORINAIR) **PS** (Plant Specific)

Where a mix of emission factors has been used, list all the methods in the relevant cells and give further explanations in the documentation box. Also use the documentation box to explain the use of notation OTH.

Documentation box:

• Parties should provide the full information on methodological issues, such as methods and emission factors used, in the relevant sections of Chapters 3 to 9 (see section 2.2 of each of Chapters 3 - 9) of the NIR. Use this documentation box to provide references to relevant sections of the NIR if any additional information and further details are needed to understand the content of this table.

• Where a mix of methods/emission factors has been used within one source category, use this documentation box to specify those methods/emission factors for the various sub-sources where they have been applied.

• Where the notation OTH (Other) has been entered in this table, use this documentation box to specify those other methods/emission factors.

TABLE 7 SUMMARY OVERVIEW FOR KEY CATEGORIES
(Sheet 1 of 1)

Year
Submission
Country

KEY CATEGORIES OF EMISSIONS AND REMOVALS	Gas	Criteria used for key source identification			Key category excluding LULUCF [1]	Key category including LULUCF [1]	Comments [1]
		L	T	Q			
Specify key categories according to the national level of disaggregation used:							
For example: *4.B Manure Managment*	CH4	*X*			*X*		

Note: L = Level assessment; T = Trend assessment; Q = Qualitative assessment.

[1] The term "key categories" refers to both the key source categories as addressed in the IPCC good practice guidance and the key categories as addressed in the IPCC good practice guidance for LULUCF.

[2] For estimating key categories Parties may chose the disaggregation level presented as an example in table 7.1 of the IPCC good practice guidance (page 7.6) and table 5.4.1 (page 5.31) of the IPCC good practice guidance for LULUCF, the level used in table Summary 1.A of the common reporting format or any other disaggregation level that the Party used to determine its key categories.

Documentation box:

Parties should provide the full information on methodologies used for identifying key categories and the quantitative results from the level and trend assessments (according to tables 7.1–7.3 of the IPCC good practice guidance and tables 5.4.1–5.4.3 of the IPCC good practice guidance for LULUCF) in Annex 1 to the NIR.

TABLE 8(a) RECALCULATION - RECALCULATED DATA
(Sheet 1 of 4) **Recalculated year:**

Recalculated year: Year
Submission
Country

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		CO_2						CH_4						N_2O					
		Previous submission	Latest submission	Difference	Difference[1]	Impact of recalculation on total emissions excluding LULUCF [2]	Impact of recalculation on total emissions including LULUCF[3]	Previous submission	Latest submission	Difference	Difference[1]	Impact of recalculation on total emissions excluding LULUCF [2]	Impact of recalculation on total emissions including LULUCF[3]	Previous submission	Latest submission	Difference	Difference[1]	Impact of recalculation on total emissions excluding LULUCF [2]	Impact of recalculation on total emissions including LULUCF[3]
		CO_2 equivalent (Gg)			(%)			CO_2 equivalent (Gg)			(%)			CO_2 equivalent (Gg)			(%)		
Total National Emissions and Removals																			
1. Energy																			
1.A.	Fuel Combustion Activities																		
1.A.1.	Energy Industries																		
1.A.2.	Manufacturing Industries and Construction																		
1.A.3.	Transport																		
1.A.4.	Other Sectors																		
1.A.5.	Other																		
1.B.	Fugitive Emissions from Fuels																		
1.B.1.	Solid fuel																		
1.B.2.	Oil and Natural Gas																		
2. Industrial Processes																			
2.A.	Mineral Products																		
2.B.	Chemical Industry																		
2.C.	Metal Production																		
2.D.	Other Production																		
2.G.	Other																		

To be updated

Note: All footnotes for this table are given at the end of the table on sheet 2.

TABLE 8(a) RECALCULATION - RECALCULATED DATA
(Sheet 2 of 4) **Recalculated year:**

Recalculated year: Year
Submission
Country

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		CO_2						CH_4						N_2O					
		Previous submission	Latest submission	Difference	Difference[1]	Impact of recalculation on total emissions excluding LULUCF [2]	Impact of recalculation on total emissions including LULUCF[3]	Previous submission	Latest submission	Difference	Difference[1]	Impact of recalculation on total emissions excluding LULUCF [2]	Impact of recalculation on total emissions including LULUCF[3]	Previous submission	Latest submission	Difference	Difference[1]	Impact of recalculation on total emissions excluding LULUCF [2]	Impact of recalculation on total emissions including LULUCF[3]
		CO_2 equivalent (Gg)			(%)			CO_2 equivalent (Gg)			(%)			CO_2 equivalent (Gg)			(%)		
Total National Emissions and Removals																			
3. Solvent and Other Product Use																			
4. Agriculture																			
4.A.	Enteric Fermentation																		
4.B.	Manure Management																		
4.C.	Rice Cultivation																		
4.D.	Agricultural Soils [4]																		
4.E.	Prescribed Burning of Savannas																		
4.F.	Field Burning of Agricultural Residues																		
4.G.	Other																		
5. Land Use, Land-Use Change and Forestry (net) [5]																			
5.A.	Forest Land																		
5.B.	Cropland																		
5.C.	Grassland																		
5.D.	Wetlands																		
5.E.	Settlements																		
5.F.	Other Land																		
5.G.	Other																		

To be updated ...

Note: All footnotes for this table are given at the end of the table on sheet 2.

TABLE 8(a) RECALCULATION - RECALCULATED DATA
(Sheet 3 of 4) **Recalculated year:**

Recalculated year: Year
Submission
Country

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO_2						CH_4						N_2O					
	Previous submission	Latest submission	Difference	Difference[1]	Impact of recalculation on total emissions excluding LULUCF [2]	Impact of recalculation on total emissions including LULUCF[3]	Previous submission	Latest submission	Difference	Difference[1]	Impact of recalculation on total emissions excluding LULUCF [2]	Impact of recalculation on total emissions including LULUCF[3]	Previous submission	Latest submission	Difference	Difference[1]	Impact of recalculation on total emissions excluding LULUCF [2]	Impact of recalculation on total emissions including LULUCF[3]
	CO_2 equivalent (Gg)			(%)			CO_2 equivalent (Gg)			(%)			CO_2 equivalent (Gg)			(%)		
6. Waste																		
6.A. Solid Waste Disposal on Land																		
6.B. Waste-water Handling																		
6.C. Waste Incineration																		
6.D. Other																		
7. Other ***(as specified in Summary 1.A)***																		
Memo Items:																		
International Bunkers																		
Multilateral Operations																		
CO_2 Emissions from Biomass																		

To be updated ...

TABLE 8(a) RECALCULATION - RECALCULATED DATA
(Sheet 4 of 4) **Recalculated year:**

Recalculated year: Year
Submission

Submission

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	HFCs						PFCs						SF_6					
	Previous submission	Latest submission	Difference	Difference[1]	Impact of recalculation on total emissions excluding LULUCF [2]	Impact of recalculation on total emissions including LULUCF[3]	Previous submission	Latest submission	Difference	Difference[1]	Impact of recalculation on total emissions excluding LULUCF [2]	Impact of recalculation on total emissions including LULUCF[3]	Previous submission	Latest submission	Difference	Difference[1]	Impact of recalculation on total emissions excluding LULUCF [2]	Impact of recalculation on total emissions including LULUCF[3]
	CO_2 equivalent (Gg)			(%)			CO_2 equivalent (Gg)			(%)			CO_2 equivalent (Gg)			(%)		
Total Actual Emissions																		
2.C.3. Aluminium Production																		
2.E. Production of Halocarbons and SF_6																		
2.F. Consumption of Halocarbons and SF_6																		
2.G. Other																		
Potential Emissions from Consumption of HFCs/PFCs and SF_6																		

	Previous submission	Latest submission	Difference	Difference[1]
	CO_2 equivalent (Gg)			(%)
Total CO_2 Equivalent Emissions with Land Use, Land-Use Change and Forestry				
Total CO_2 Equivalent Emissions without Land Use, Land-Use Change and Forestry				

To be updated ...

[1] Estimate the percentage change due to recalculation with respect to the previous submission (percentage change = 100 x [(LS-PS)/PS], where LS = latest submission and PS = previous submission. All cases of recalculation of the estimate of the source/sink category should be addressed and explained in table 8(b).

[2] Total emissions refer to total aggregate GHG emissions expressed in terms of CO2 equivalent, excluding GHGs from the LULUCF sector. The impact of the recalculation on the total emissions is calculated as follows: impact of recalculation (%) = 100 x [(source (LS) - source (PS))/total emissions (LS)], where LS = latest submission, PS = previous submission.

[3] Total emissions refer to total aggregate GHG emissions expressed in terms of CO2 equivalent, including GHGs from the LULUCF sector. The impact of the recalculation on the total emissions is calculated as follows: impact of recalculation (%) = 100 x [(source (LS) - source (PS))/total emissions (LS)], where LS = latest submission, PS = previous submission.

[4] Parties which previously reported CO_2 from soils in the Agriculture sector should note this in the NIR.

[5] Net CO_2 emissions/removals to be reported.

Documentation box:

Parties should provide detailed information on recalculations in Chapter 10: Recalculations and Improvements, and in the relevant sections of Chapters 3 to 9 (see section 2.5 of each of Chapters 3 - 9) of the NIR. Use this documentation box to provide r

TABLE 8(b) RECALCULATION - EXPLANATORY INFORMATION
(Sheet 1 of 1)

Year
Submission
Country

Specify the sector and source/sink category[1] where changes in estimates have occurred:		GHG	RECALCULATION DUE TO				
			CHANGES IN:			Addition/removal/ reallocation of source/sink categories	Other changes in data (e.g. statistical or editorial changes, correction of errors)
			Methods [2]	Emission factors [2]	Activity data [2]		

[1] Enter the identification code of the source/sink category (e.g. 1.B.1) in the first column and the name of the category (e.g. Fugitive Emissions from Solid Fuels) in the second column of the table. Note that the source categories entered in this table should match those used in table 8(a).
[2] Explain changes in methods, emission factors and activity data that have resulted in recalculation of the estimate of the source/sink as indicated in table 8(a). Include changes in the assumptions and coefficients in the Methods column.

Documentation box:

Parties should provide the full information on recalculations in Chapter 10: Recalculations and Improvements, and in the relevant sections of Chapters 3 to 9 (see section 2.5 of each of Chapters 3 to 9) of the NIR. Use this documentation box to provide references to relevant sections of the NIR if any additional information and further details are needed to understand the content of this table. References should point particularly to the sections of the NIR in which justifications of the changes as to improvements in the accuracy, completeness and consistency of the inventory are reported.

TABLE 9(a) COMPLETENESS - INFORMATION ON NOTATION KEYS
(Sheet 1 of 1)

Year
Submission
Country

Sources and sinks not estimated (NE)[1]			
GHG	**Sector[2]**	**Source/sink category [2]**	**Explanation**
CO2			
CH4			
N2O			
HFCs			
PFCs			
SF6			

Sources and sinks reported elsewhere (IE)[3]				
GHG	**Source/sink category**	**Allocation as per IPCC Guidelines**	**Allocation used by the Party**	**Explanation**
CO2				
CH4				
N2O				
HFCs				
PFCs				
SF6				

[1] Clearly indicate sources and sinks which are considered in the IPCC Guidelines but are not considered in the submitted inventory. Explain the reason for excluding these sources and sinks, in order to avoid arbitrary interpretations. An entry should be made for each source/sink category for which the notation key NE (not estimated) is entered in the sectoral tables.

[2] Indicate omitted source/sink following the IPCC source/sink category structure (e.g. sector: Waste, source category: Waste-Water Handling).

[3] Clearly indicate sources and sinks in the submitted inventory that are allocated to a sector other than that indicated by the IPCC Guidelines. Show the sector indicated in the IPCC Guidelines and the sector to which the source or sink is allocated in the submitted inventory. Explain the reason for reporting these sources and sinks in a different sector. An entry should be made for each source/sink for which the notation key IE (included elsewhere) is used in the sectoral tables.

TABLE 9(b) COMPLETENESS - INFORMATION ON ADDITIONAL GREENHOUSE GASES
(Sheet 1 of 1)

Year
Submission
Country

Additional GHG emissions reported[1]						
GHG	**Source category**	**Emissions (Gg)**	**Estimated GWP value (100-year horizon)**	**Emissions CO_2 equivalent (Gg)**	**Reference to the source of GWP value**	**Explanation**

DELETED

[1] Parties are encouraged to provide information on emissions of gr[illegible]e gases whose GWP values have not yet been agreed upon by the COP. Include such gases in this table if they are considered in the submitted inventory. Provide additional information on the estimation methods used.

Documentation box:

Parties should provide detailed information regarding completeness of the inventory in the NIR (Chapter 1.8: General Assessment of the Completeness, and Annex 5). Use this documentation box to provide references to relevant sections of the NIR if any additional information and further details are needed to understand the content of this table.

TABLE 10 EMISSION TRENDS
CO_2
(Sheet 1 of 5)

Year
Submission
Country

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year[1]	1990	(Years 1991 to latest reported year)	Change from base to latest reported year
	(Gg)			%
1. Energy				
A. Fuel Combustion (Sectoral Approach)				
1. Energy Industries				
2. Manufacturing Industries and Construction				
3. Transport				
4. Other Sectors				
5. Other				
B. Fugitive Emissions from Fuels				
1. Solid Fuels				
2. Oil and Natural Gas				
2. Industrial Processes				
A. Mineral Products				
B. Chemical Industry				
C. Metal Production				
D. Other Production				
E. Production of Halocarbons and SF_6				
F. Consumption of Halocarbons and SF_6				
G. Other				
3. Solvent and Other Product Use				
4. Agriculture				
A. Enteric Fermentation				
B. Manure Management				
C. Rice Cultivation				
D. Agricultural Soils				
E. Prescribed Burning of Savannas				
F. Field Burning of Agricultural Residues				
G. Other				
5. Land Use, Land-Use Change and Forestry[2]				
A. Forest Land				
B. Cropland				
C. Grassland				
D. Wetlands				
E. Settlements				
F. Other Land				
G. Other				
6. Waste				
A. Solid Waste Disposal on Land				
B. Waste-water Handling				
C. Waste Incineration				
D. Other				
7. Other ***(as specified in Summary 1.A)***				
Indirect CO2 Emissions				
Total direct CO_2 emissions including net CO_2 from LULUCF				
Total direct CO2 emissions excluding net CO2 from LULUCF				
Total direct and indirect CO_2 emissions including net CO_2 from LULUCF				
Total direct and indirect CO2 emissions excluding net CO2 from LULUCF				
Memo Items:				
International Bunkers				
Aviation				
Marine				
Multilateral Operations				
CO_2 Emissions from Biomass				
CO2 captured				
Long-term storage of C in waste disposal sites				
Indirect CO2 Emissions				

Note: All footnotes for this table are given at the end of the table on sheet 5.

TABLE 10 EMISSION TRENDS
CH_4
(Sheet 2 of 5)

Year
Submission
Country

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year[1]	1990	(Years 1991 to latest reported year)	Change from base to latest reported year
	(Gg)			%
1. Energy				
A. Fuel Combustion (Sectoral Approach)				
1. Energy Industries				
2. Manufacturing Industries and Construction				
3. Transport				
4. Other Sectors				
5. Other				
B. Fugitive Emissions from Fuels				
1. Solid Fuels				
2. Oil and Natural Gas				
2. Industrial Processes				
A. Mineral Products				
B. Chemical Industry				
C. Metal Production				
D. Other Production				
E. Production of Halocarbons and SF_6				
F. Consumption of Halocarbons and SF_6				
G. Other				
3. Solvent and Other Product Use				
4. Agriculture				
A. Enteric Fermentation				
B. Manure Management				
C. Rice Cultivation				
D. Agricultural Soils				
E. Prescribed Burning of Savannas				
F. Field Burning of Agricultural Residues				
G. Other				
5. Land Use, Land-Use Change and Forestry				
A. Forest Land				
B. Cropland				
C. Grassland				
D. Wetlands				
E. Settlements				
F. Other Land				
G. Other				
6. Waste				
A. Solid Waste Disposal on Land				
B. Waste-water Handling				
C. Waste Incineration				
D. Other				
7. Other ***(as specified in Summary 1.A)***				
Total CH_4 emissions including CH_4 from LULUCF				
Total CH_4 emissions excluding CH_4 from LULUCF				
Memo Items:				
International Bunkers				
Aviation				
Marine				
Multilateral Operations				
CO_2 Emissions from Biomass				

Note: All footnotes for this table are given at the end of the table on sheet 5.

TABLE 10 EMISSION TRENDS
N_2O
(Sheet 3 of 5)

Year
Submission
Country

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year[1]	1990	(Years 1991 to latest reported year)	Change from base to latest reported year
	(Gg)			%
1. Energy				
A. Fuel Combustion (Sectoral Approach)				
1. Energy Industries				
2. Manufacturing Industries and Construction				
3. Transport				
4. Other Sectors				
5. Other				
B. Fugitive Emissions from Fuels				
1. Solid Fuels				
2. Oil and Natural Gas				
2. Industrial Processes				
A. Mineral Products				
B. Chemical Industry				
C. Metal Production				
D. Other Production				
E. Production of Halocarbons and SF_6				
F. Consumption of Halocarbons and SF_6				
G. Other				
3. Solvent and Other Product Use				
4. Agriculture				
A. Enteric Fermentation				
B. Manure Management				
C. Rice Cultivation				
D. Agricultural Soils				
E. Prescribed Burning of Savannas				
F. Field Burning of Agricultural Residues				
G. Other				
5. Land Use, Land-Use Change and Forestry				
A. Forest Land				
B. Cropland				
C. Grassland				
D. Wetlands				
E. Settlements				
F. Other Land				
G. Other				
6. Waste				
A. Solid Waste Disposal on Land				
B. Waste-water Handling				
C. Waste Incineration				
D. Other				
7. Other ***(as specified in Summary 1.A)***				
Indirect N2O Emissions				
Total Direct N_2O emissions including N_2O from LULUCF				
Total Durect N_2O emissions excluding N_2O from LULUCF				
Total Direct and Indirect N_2O emissions including N_2O from LULUCF				
Total Durect and Indirect N_2O emissions excluding N_2O from LULUCF				
Memo Items:				
International Bunkers				
Aviation				
Marine				
Multilateral Operations				
CO_2 Emissions from Biomass				
Indirect N2O Emissions				

Note: All footnotes for this table are given at the end of the table on sheet 5.

TABLE 10 EMISSION TRENDS
HFCs, PFCs and SF_6
(Sheet 4 of 5)

Year
Submission
Country

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year[1]	1990	(Years 1991 to latest reported year)	Change from base to latest reported year
	(Gg)			%
Emissions of PFC and HFCs[3] - (Gg CO_2 equivalent)				
Emissions of HFCs[3] - (Gg CO_2 equivalent)				
HFC-23				
HFC-32				
HFC-41				
HFC-43-10mee				
HFC-125				
HFC-134				
HFC-134a				
HFC-152a				
HFC-143				
HFC-143a				
HFC-227ea				
HFC-236fa				
HFC-245ca				
Unspecified mix of listed HFCs[4] - (Gg CO_2 equivalent)				
Emissions of PFCs[3] - (Gg CO_2 equivalent)				
CF_4				
C_2F_6				
C_3F_8				
C_4F_{10}				
c-C_4F_8				
C_5F_{12}				
C_6F_{14}				
Unspecified mix of listed PFCs[4] - (Gg CO_2 equivalent)				
ADD GASES				
Emissions of SF6[3] - (Gg CO_2 equivalent)				
SF_6				

Note: All footnotes for this table are given at the end of the table on sheet 5.

TABLE 10 EMISSION TRENDS
GHG CO2 eq. emissions
(Sheet 3 of 5)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year[1]	1990	ears 1991 to latest reported yea	Change from base to latest reported year
	(Gg CO2 eq.)			%
Total (Net Emissions) [1]				
1. Energy				
A. Fuel Combustion (Sectoral Approach)				
1. Energy Industries				
2. Manufacturing Industries and Construction				
3. Transport				
4. Other Sectors				
5. Other				
B. Fugitive Emissions from Fuels				
1. Solid Fuels				
2. Oil and Natural Gas				
3. Other Emissions from Energy Production				
C. CO2 Transport and Storage				
2. Industrial Processes				
A. Mineral Industry				
B. Chemical Industry				
C. Metal Industry				
D. Non-Energy Products from Guels and Solvent Use ~~Other Production~~ [2]				
E. Electronic Industry ~~Production of Halocarbons and SF_6~~				
F. Product Uses as ODS Substitutes ~~Consumption of Halocarbons and SF_6~~				
G. Other Product Manufacture and Use ~~Consumption of Halocarbons and SF_6~~				
H. Other				
3. Agriculture, Forestry and Other Land Use				
4. Agriculture				
A. Enteric Fermentation				
B. Manure Management				
C. Rice Cultivation				
D. Agricultural Soils[3]				
E. Prescribed Burning of Savannas				
F. Field Burning of Agricultural Residues				
G. Other				
5. Land Use, Land-Use Change and Forestry[1]				
A. Forest Land				
B. Cropland				
C. Grassland				
D. Wetlands				
E. Settlements				
F. Other Land				
G. Other				
C. Aggregate sources and non-CO2 emissions sources on land				
4. Waste				
A. Solid Waste Disposal ~~on Land~~				
B. Biological Treatment of Solid Waste				
C. ~~Waste Incineration~~ Incineration and Open Burning of Waste				
D. Waste Water ~~Handling~~ Treatment and Discharge				
E. Other				
5. Other *(as specified in Summary 1.A)*				
Indirect emissions				
Memo Items: [4]				
International Bunkers				
Aviation				
Marine				
Multilateral Operations				
CO_2 Emissions from Biomass				
CO2 captured				
Long-term storage of C in waste disposal sites				
Indirect CO2 and N2O				
Total direct CO_2 Equivalent Emissions withoutLULUCF				
Total direct CO_2 Equivalent Emissions with LULUCF				
Total Direct and Indirect CO_2 Equivalent Emissions without LULUCF				
Total CO_2 Equivalent Emissions with LULUCF				

New sheet

TABLE 10 EMISSION TRENDS
SUMMARY
(Sheet 5 of 5)

Year
Submission
Country

GREENHOUSE GAS EMISSIONS	Base year[1]	1990	(Years 1991 to latest reported year)	Change from base to latest reported year
	CO_2 equivalent (Gg)			(%)
CO_2 emissions including net CO_2 from LULUCF				
CO_2 emissions excluding net CO_2 from LULUCF				
CH_4 emissions including CH_4 from LULUCF				
CH_4 emissions excluding CH_4 from LULUCF				
N_2O emissions including N_2O from LULUCF				
N_2O emissions excluding N_2O from LULUCF				
direct/indirect				
HFCs				
PFCs				
SF_6				
Other gases				
Total (including LULUCF)				
Total (excluding LULUCF)				
Total (including LULUCF, including indirect)				
Total (excluding LULUCF, including indirect)				

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year[1]			Change from base to latest reported year
	CO_2 equivalent (Gg)			(%)
1. Energy				
2. Industrial Processes				
3. Solvent and Other Product Use				
4. Agriculture				
5. Land Use, Land-Use Change and Forestry[5]				
6. Waste				
7. Other				
Total (including LULUCF)[5]				

[1] The column "Base year" should be filled in only by those Parties with economies in transition that use a base year different from 1990 in accordance with the relevant decisions of the COP. For these Parties, this different base year is used to calculate the percentage change in the final column of this table.

[2] Fill in net emissions/removals as reported in table Summary 1.A. For the purposes of reporting, the signs for removals are always negative (-) and for emissions positive (+).

[3] Enter actual emissions estimates. If only potential emissions estimates are available, these should be reported in this table and an indication for this be provided in the documentation box. Only in these rows are the emissions expressed as CO_2 equivalent emissions.

[4] In accordance with the UNFCCC reporting guidelines, HFC and PFC emissions should be reported for each relevant chemical. However, if it is not possible to report values for each chemical (i.e. mixtures, confidential data, lack of disaggregation), this row could be used for reporting aggregate figures for HFCs and PFCs, respectively. Note that the unit used for this row is Gg of CO_2 equivalent and that appropriate notation keys should be entered in the cells for the individual chemicals.

[5] Includes net CO_2, CH_4 and N_2O from LULUCF.

Documentation box:

• Parties should provide detailed explanations on emissions trends in Chapter 2: Trends in Greenhouse Gas Emissions and, as appropriate, in the corresponding Chapters 3 - 9 of the NIR. Use this documentation box to provide references to relevant sections of the NIR if any additional information and further details are needed to understand the content of this table.

• Use the documentation box to provide explanations if potential emissions are reported.