WMO

UNEP

INTERGOVERNMENTAL PANEL ON CLIMATE CHANGE

IPCC/OECD/IEA Programme for
National Greenhouse Gas Inventories

Questionnaire on the Assessment of National Feedback on the Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories

June 1998

OECD
OCDE

IEA
AIE

Purpose

The purpose of this questionnaire is to identify the difficulties countries may encounter in the application of the *Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories* (*IPCC Guidelines*).

Who should fill in this questionnaire?

This questionnaire should be filled out by technical contacts preparing national greenhouse gas inventories. It will also be sent to IPCC focal points.

Title of Inventory	
Date	
Contact Name	
Title	
Organisation	
Address	
Phone	
Fax	
E-mail	

Responding to the questionnaire

If the space provided in the questionnaire is not sufficient, please attach any additional information to the back. If you are filling out this questionnaire electronically, simply add extra lines where they are needed.

Please send your questionnaire to:

Yamil Bonduki
Fax: (33-1) 45 24 78 76
Email: yamil.bonduki@oecd.org

A. General Questions

1. Are printed copies of the *Revised 1996 IPCC Guidelines* available in your country?

☐ Yes ☐ No

2. Which version of the *IPCC Guidelines* have you used for your national inventory?

☐ 1995 ☐ Revised 1996 ☐ Both

3. Has a national system been established for your inventory?

☐ Yes : Please describe it.

☐ No : Please explain why not.

B. Specific Questions

Please fill out this section for each IPCC Module: Energy, Industrial Processes, Solvent and Other Product Use, Agriculture, Land-use Change and Forestry, and Waste. Identify the module as indicated below.

Module_____

Scientific Background

1. Does the *Reference Manual* give clear information?

☐ Yes ☐ No : Please give details.

_____
_____
_____
_____
_____
_____

2. Does the *Reference Manual* take into account the scientific research that has been carried out in your region?

☐ Yes ☐ No : Please give details. ☐ I do not know

_____
_____
_____
_____
_____
_____

3. Have you encountered any errors in the *Reference Manual*? (Errors in the methods will be dealt with later in this questionnaire)

☐ No ☐ Yes : Please give details.

_____
_____
_____
_____
_____
_____

4. Which chapters of the *Reference Manual* need improving? Please give details.

_____
_____
_____
_____
_____

Methodological Approach

1. Have you used methods other than the *IPCC Guidelines* for your inventory?

☐ No

☐ Yes

What are the differences between these methods and those in the *IPCC Guidelines*?

Are these methods better than the IPCC methods? Please explain.

2. Are there any IPCC methods that do not accurately reflect your national circumstances?

☐ No

☐ Yes : Please give details.

3. Are there any country-specific sources or sinks not addressed in the*IPCC Guidelines*?

☐ No

☐ Yes

Did you include them in your inventory?

☐ No

☐ Yes

What methods were used for estimating emissions from and removals by these sources and sinks?

4. Have you encountered any errors in the IPCC methods?

☐ No

☐ Yes : Please give details.

4. Which IPCC methods need improving? Please give details.

Activity Data

1. Which activity data need improving?

2. Is there any work currently underway in your country to improve activity data?

☐ No

☐ Yes

For which sectors of the module? Please give details on how the work is being implemented.

Emission Factors

1. Did you use country-specific emission factors?

☐ No

☐ Yes

Are they documented?

☐ No

☐ Yes : Please provide us with the documentation.

2. Which emission factors need improving?

3. Is there any work currently underway in your country to improve emission factors?

☐ No

☐ Yes

For which sectors of the module? Please give details on how the work is being implemented.

_____
_____
_____
_____
_____
_____

Reporting Framework

1. Are the definitions of sources and sinks categories in the *IPCC Guidelines* clearly defined?

☐ Yes

☐ No

Which definitions need improving (for example because they are too narrow, too broad, ambiguous, don't match national accounting, etc.)?

_____
_____
_____
_____
_____
_____

2. Are the IPCC Sectoral and Summary Tables adequate for reporting your country-specific sources and sinks?

☐ Yes

☐ No

Specify which country-specific sources or sinks do not fit within the Reporting Framework.

_____
_____
_____
_____
_____
_____

C. Uncertainty in Inventories

1. What are the main sources of uncertainty in your inventory?

2. Does Table 8A (Overview Table for National Greenhouse Gas Inventories) in the *IPCC Guidelines* provide an adequate framework for reporting the quality of your inventory?

☐ Yes

☐ No: Please give details.

How can this table be improved?

3. Does Annex I on Managing Uncertainties (*Reporting Instructions*) give enough guidance to estimate uncertainty in your national inventory?

☐ Yes

☐ No

Do you have any suggestions to improve this annex? Please give details.

D. Guidelines Presentation

Give your suggestions, if any, to improve the general presentation of the *Reference Manual*, *Workbook*, and/or *Reporting Instructions*.

☐ Reference Manual

☐ Workbook

☐ Reporting Instructions

E. Other

Do you have any other recommendations for improving the *IPCC Guidelines*?

F. Tables

Instructions for Filling in the Following Tables

Please read these instructions carefully before you fill out the tables.

- The **Tables** cover the six IPCC modules: **Energy, Industrial Processes, Solvent and Other Product Use, Agriculture, Land-use Change and Forestry, and Waste**. Fill out the tables by using the codes provided at the top of each column. The content of each column is briefly described below.

- **The Source Categories**, as provided in the *IPCC Guidelines*, are indicated in Column 1. Use additional rows if further disaggregation is needed.

- **The Gases** for which information is requested are indicated in Column 2. Use additional rows if further disaggregation is needed.

- **The Status Column** should indicate the status of the emission estimates in your latest inventory.

- **The Method Column** should indicate whether you have used an IPCC method or a country-specific method. If you have used an IPCC method, indicate which tier was applied. This is only applicable in those cases where more than one default method is provided in the *IPCC Guidelines*.

- **The Activity Data Column** should indicate the source of the activity data used in your national inventory.

- **The Emission Factors Column** should indicate the source of the emission factors used in your national inventory.

- **The Difficulty Column** should indicate the level of difficulty for obtaining the emission estimates. For example, an estimate might be considered to have a high level of difficulty if the activity data were not available and a special project was carried out to obtain these data.

- **The Priority Column** should indicate where most efforts are needed to improve the quality of the estimate for a particular source. For example, if a source is a large contributer to national emissions, but the activity data or emission factors are low quality, it would rank as a high priority.

Note: You may wish to describe problems on methods, activity data or emission factors by source and gas not addressed in Sections B and C of the questionnaire. In this case, please report them at the end of this section. Make sure you clearly identify the source and gas for each of your comments.

Table 1. Energy **(When filling out this table, please specify which version of the *IPCC Guidelines* you used ☐ 1995 ☐ Revised 1996)**

Source Category	Gas	Status	Methods Applied	Activity Data	Emission Factors	Difficulty	Priority
		IP: in progress **C**: completed **NE**: not estimated **NO**: not occurring in your country	**CS**: country specific **ID**: IPCC default (when appropriate, use **T1**, **T2**, or **T3** to indicate which tier was applied)	**NS**: national statistics **IS**: international statistics (1) **ID**: IPCC default **D**: derived from local study **NA**: not available	**CS**: country specific **ID**: IPCC default **IS**: international source (1) **OC**: other country factors(1) **NA**: not available	**H**: high **M**: medium **L**: low	**H**: high **M**: medium **L**: low
1A1 Energy Industries	**CO_2**						
	CH_4						
	Other						
1A2 Manufacturing Industries and Construction	**CO_2**						
	CH_4						
	Other						
1A3 Transport	**CO_2**						
	CH_4						
	Other						
1A4 Other Sectors	**CO_2**						
	CH_4						
	Other						
1A5 Other (specify)	**CO_2**						
	CH_4						
	Other						
1B1 Fugitive Emissions from Solid Fuels	**CO_2**						
	CH_4						
	Other						
1B2 Fugitive Emissions from Oil and Natural Gas	**CH_4**						
	Other						

(1) Indicate the source of your data.

Table 2. Industrial Processes **(When filling out this table, please specify which version of the *IPCC Guidelines* you used ☐ 1995 ☐ Revised 1996)**

Source Category	Gas	Status	Methods	Activity Data	Emission Factors	Difficulty	Priority
		IP: in progress **C**: completed **NE**: not estimated **NO**: not occurring in your country	**CS**: country specific **ID**: IPCC default (when appropriate, use **T1**, **T2**, or **T3** to indicate which tier was applied)	**NS**: national statistics **IS**: international statistics [(1)] **ID**: IPCC default **D**: derived from local study **NA**: not available	**CS**: country specific **ID**: IPCC default **IS**: international source [(1)] **OC**: other country factors[(1)] **NA**: not available	**H**: high **M**: medium **L**: low	**H**: high **M**: medium **L**: low
2A Mineral Products	**CO_2**						
	CH_4						
	Other						
2B Chemical Industry	**CO_2**						
	CH_4						
	Other						
2C Metal Production	**CO_2**						
	CH_4						
	Other						
2D Other Production	**CO_2**						
	CH_4						
	Other						
2E Production of HFCs, PFCs and SF_6	**HFC**						
	PFC						
	SF_6						
	Other						
2F Consumption of HFCs, PFCs and SF_6	**HFC**						
	PFC						
	SF_6						
	Other						
2G Other (specify)							

[(1)] Indicate the source of your data.

Table 3. Solvent and Other Product Use **(When filling out this table, please specify which version of the *IPCC Guidelines* you used ☐ 1995 ☐ Revised 1996)**

Source Category	Gas	Status	Methods	Activity Data	Emission Factors	Difficulty	Priority
fill in source category	fill in gas	**IP**: in progress **C**: completed **NE**: not estimated **NO**: not occurring in your country	**CS**: country specific **ID**: IPCC default (when appropriate, use **T1**, **T2**, or **T3** to indicate which tier was applied)	**NS**: national statistics **IS**: international statistics [(1)] **ID**: IPCC default **D**: derived from local study **NA**: not available	**CS**: country specific **ID**: IPCC default **IS**: international source [(1)] **OC**: other country factors[(1)] **NA**: not available	**H**: high **M**: medium **L**: low	**H**: high **M**: medium **L**: low

[(1)] Indicate the source of your data.

Table 4. Agriculture **(When filling out this table, please specify which version of the *IPCC Guidelines* you used ☐ 1995 ☐ Revised 1996)**

Source Category	Gas	Status	Methods	Activity Data	Emission Factors	Difficulty	Priority
		IP: in progress **C**: completed **NE**: not estimated **NO**: not occurring in your country	**CS**: country specific **ID**: IPCC default (when appropriate, use **T1**, **T2**, or **T3** to indicate which tier was applied)	**NS**: national statistics **IS**: international statistics (1) **ID**: IPCC default **D**: derived from local study **NA**: not available	**CS**: country specific **ID**: IPCC default **IS**: international source (1) **OC**: other country factors(1) **NA**: not available	**H**: high **M**: medium **L**: low	**H**: high **M**: medium **L**: low
4A Enteric Fermentation	**CH_4**						
4B Manure Management	**CH_4**						
	N_2O						
4C Rice Cultivation	**CH_4**						
4D Agricultural Soils	**N_2O**						
4E Prescribed Burning of Savannas	**CH_4**						
	N_2O						
	NOx						
	CO						
4F Field Burning of Agricultural Residues	**CH_4**						
	N_2O						
	NOx						
	CO						
4F Other (specify)							

(1) Indicate the source of your data.

Table 5. Land Use Change and Forestry **(When filling out this table, please specify which version of the *IPCC Guidelines* you used ☐ 1995 ☐ Revised 1996)**

Source Category	Gas	Status	Methods	Activity Data	Emission Factors	Difficulty	Priority
		IP: in progress **C**: completed **NE**: not estimated **NO**: not occurring in your country	**CS**: country specific **ID**: IPCC default (when appropriate, use **T1**, **T2**, or **T3** to indicate which tier was applied)	**NS**: national statistics **IS**: international statistics [(1)] **ID**: IPCC default **D**: derived from local study **NA**: not available	**CS**: country specific **ID**: IPCC default **IS**: international source [(1)] **OC**: other country factors[(1)] **NA**: not available	**H**: high **M**: medium **L**: low	**H**: high **M**: medium **L**: low
5A Changes in Forest and Other Woody Biomass Stocks	**CO_2**						
5B Forest and Grassland Conversion	**CO_2**						
	CH_4						
	N_2O						
	NOx						
	CO						
5C Abandonment of Managed Lands	**CO_2**						
5D Emission. and Removals from Soils	**CO_2**						
5E Other (specify)							

[(1)] Indicate the source of your data.

Table 6. Waste **(When filling out this table, please specify which version of the *IPCC Guidelines* you used ☐ 1995 ☐ Revised 1996)**

Source Category	Gas	Status	Methods	Activity Data	Emission Factors	Difficulty	Priority
		IP: in progress **C**: completed **NE**: not estimated **NO**: not occurring in your country	**CS**: country specific **ID**: IPCC default (when appropriate, use **T1**, **T2**, or **T3** to indicate which tier was applied)	**NS**: national statistics **IS**: international statistics [(1)] **ID**: IPCC default **D**: derived from local study **NA**: not available	**CS**: country specific **ID**: IPCC default **IS**: international source [(1)] **OC**: other country factors[(1)] **NA**: not available	**H**: high **M**: medium **L**: low	**H**: high **M**: medium **L**: low
6A Solid Waste Disposal on Land	**CH_4**						
6B Wastewater Handling	**CH_4**						
6C Waste Incineration	**CO_2**						
6D Other (specify)							

[(1)] Indicate the source of your data