



Workshop on the Building of Sustainable National Greenhouse Gas Inventory Management Systems, and the Use of the 2006 IPCC Guidelines for National Greenhouse Gas Inventories for the Asia Pacific and Eastern European Regions

Organized by the UNFCCC Secretariat in collaboration with the IPCC, and the FAO

Malé, Maldives
22 – 26 September 2019

Sunday, 22 September 2019

08:00 - 09:00 **Registration**

Session 1 – Opening

09:00 - 10:00 **Opening session**

- Welcome – National Focal Point of the Maldives
- Opening Remarks – UNFCCC Secretariat
- Self-introduction by participants

10:00 – 10:30 - Presentation of the workshop objectives, expectations and agenda – UNFCCC Secretariat

10:30 - 10:45 **Coffee break**

Session 2 – The Key Role of the National GHG Inventory Management System

10:45 - 11:15 - Country Presentation: Maldives – National GHG Inventory Management System and use of the 2006 IPCC Guidelines

11:15 - 12:30 - US-EPA Template Workbook on Developing a National GHG Inventory System

- Institutional arrangements for national inventory systems – UNFCCC Secretariat

12:30 - 14:00 **Lunch break, DSA Payment**

Session 2 – The Key Role of the National GHG Inventory Management System (cont.)

14:00 - 14:30 - US-EPA Template Workbook on Developing a National GHG Inventory System

- Practice of the Institutional Arrangements Template - UNFCCC Secretariat
- Exercise #1

14:30 - 15:30 - General discussion on the experience of countries in establishing their institutional arrangements for national GHG inventories - UNFCCC Secretariat

15:30 - 15:45 **Coffee break**

Session 2 – The Key Role of the National GHG Inventory Management System (cont.)

15:45 - 16:15 - Country Presentation: Kyrgyzstan – National GHG Inventory Management System – Methods and Data Documentation

16:15 – 17:30 - US-EPA Template Workbook on Developing a National GHG Inventory System

- Methods and Data Documentation Presentation – UNFCCC Secretariat
- Practice of the Methods and Data Documentation Template

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Session 2 – The Key Role of the National GHG Inventory Management System (cont.)

09:00 - 9:30 - Country Presentation: Singapore – National GHG Inventory Management System – Quality Assurance and Quality Control (QA/QC)



- 9:30 - 10:45 - US-EPA Template Workbook on Developing a National GHG Inventory System
- Quality Assurance and Quality Control (QA/QC) Presentation – UNFCCC Secretariat
 - Practice of the QA/QC Template
 - Exercise #2

10:45 - 11:00 *Coffee break*

- 11:00 - 11:30 - Country Presentations: Georgia and Lebanon– National GHG Inventory Management System – Archiving System

- 11:30 - 12:30 - US-EPA Template Workbook on Developing a National GHG Inventory System
- Developing an Archiving System Presentation – UNFCCC Secretariat
 - Practice of the Archiving System Template

12:30 - 14:00 *Lunch break*

- 14:00 - 14:30 - Country Presentation: Lebanon – National GHG Inventory Management System – Key Category Analysis

- 14:30 - 15:30 - US-EPA Template Workbook on Developing a National GHG Inventory System
- Key Category Analysis Presentation – UNFCCC Secretariat
 - Practice of the Key Category Analysis Template
 - Exercise #3

15:30 - 15:45 *Coffee break*

- 15:45 - 16:45 - Country Presentation: Mongolia – National GHG Inventory Management System – National Inventory Improvement Plan

- US-EPA Template Workbook on Developing a National GHG Inventory System
- National Inventory Improvement Plan Presentation – UNFCCC Secretariat
 - Exercise #4

- 16:45 - 17:15 - Group Discussion:
- Experience of countries in using the proposed templates to support the establishment/refinement of their national GHG inventory management systems
 - Action plan for disseminating and utilizing proposed templates

Tuesday, 24 September 2019

Session 3 – 2006 IPCC Guidelines - General guidance and reporting

- 09:00 - 10:30 - Overview of 2006 IPCC Guidelines for National Greenhouse Gas Inventories – including differences between the Revised 1996 IPCC Guidelines and the 2006 IPCC Guidelines – IPCC TFI TSU
- Key category Analysis – IPCC TFI TSU
 - Approaches to Data Collection – IPCC TFI TSU
 - Questions and answers

10:30 - 10:45 *Coffee break*

10:45 - 12:30 ***2006 IPCC Guidelines - General guidance and reporting (cont.)***

- Introduction to, and hands-on session on, the IPCC Emission Factor Database (EFDB) – IPCC TFI TSU
- Introduction to, and installation of, the IPCC Inventory software – IPCC TFI TSU

12:30 - 14:00 *Lunch break*



Session 4 – Methodology on each sector (two break-out Groups in parallel: Group A on Energy, IPPU and Waste, Group B on AFOLU)

14:00 - 15:45	Session 4A1: Energy Sector – IPCC TFI TSU <ul style="list-style-type: none">- Energy sector – source categories, methodologies and improvements under 2006 IPCC Guidelines- Hands-on session on the IPCC software based on an exercise for the sector	Session 4B1: Agriculture Sector – IPCC TFI TSU <ul style="list-style-type: none">- Agriculture sector – source categories, methodologies and improvements under 2006 IPCC Guidelines- Hands-on session on the IPCC software based on an exercise for the sector
15:45 - 16:00	<i>Coffee break</i>	
16:00 - 16:30	- Country Presentation: India – National GHG Inventory - Energy Sector	- Country Presentation: Thailand -National GHG Inventory – Agriculture Sector
16:20 - 18:00	Session 4A1: Energy Sector – IPCC TFI TSU <ul style="list-style-type: none">- Energy sector – source categories, methodologies and improvements under 2006 IPCC Guidelines- Hands-on session on the IPCC software based on an exercise for the sector	Session 4B1: Agriculture Sector – IPCC TFI TSU <ul style="list-style-type: none">- Agriculture sector – source categories, methodologies and improvements under 2006 IPCC Guidelines- Hands-on session on the IPCC software based on an exercise for the sector

Wednesday, 25 September 2019

Session 4 – Methodology on each sector (cont.)

08:00 - 10:00	Session 4A2: Industrial Processes and Product Use Sector – TFI TSU <ul style="list-style-type: none">- Country Presentation: Rep. of Korea – National GHG Inventory – Industrial Processes and Product Use Sector- Industrial Processes and Product Use sector – source categories, methodologies and improvements under 2006 IPCC Guidelines- Hands-on session on the IPCC software based on an exercise for the sector	Session 4B2: Forestry and Other Land Use Sector – FAO <ul style="list-style-type: none">- Country Presentation: Myanmar – National GHG Inventory – Forestry and Other Land Use Sector- Forestry and other land use sector – source categories, methodologies and improvements under 2006 IPCC Guidelines- Hands-on session on the IPCC software based on an exercise for the sector
10:00 - 10:15	<i>Coffee break</i>	
10:15 - 12:30	Session 4A2: Industrial Processes and Product Use Sector (cont.) – IPCC TFI TSU <ul style="list-style-type: none">- Industrial Processes and Product Use sector – source categories, methodologies and improvements under 2006 IPCC Guidelines- Hands-on session on the IPCC software based on an exercise for the sector	Session 4B2: Forestry and Other Land Use Sector (cont.) – FAO <ul style="list-style-type: none">- Forestry and other land use sector – source categories, methodologies and improvements under 2006 IPCC Guidelines- Hands-on session on the IPCC software based on an exercise for the sector
12:30 - 14:00	<i>Lunch break</i>	
14:00 - 15:45	Session 4A3: Waste Sector – IPCC TFI TSU <ul style="list-style-type: none">- Country Presentation: Sri Lanka – National GHG Inventory – Waste Sector- Waste sector – source categories, methodologies and improvements under 2006 IPCC Guidelines- Hands-on session on the IPCC software based on an exercise for the sector	Session 4B2: Forestry and Other Land Use Sector – FAO <ul style="list-style-type: none">- Country Presentation: Vietnam – National GHG Inventory – Forestry and Other Land Use Sector- Hands-on session on the IPCC software based on an exercise for the sector – continued



15:45 - 16:00	<i>Coffee break</i>	
16:00 - 18:00	<ul style="list-style-type: none">- Session 4A3: Waste Sector (cont.) – IPCC TFI TSU- Waste sector – source categories, methodologies and improvements under 2006 IPCC Guidelines- Hands-on session on the IPCC software based on an exercise for the sector	<ul style="list-style-type: none">- Session 4B2: Forestry and Other Land Use Sector (cont.) – FAO- Hands-on session on the IPCC software based on an exercise for the sector – continued

Thursday, 26 September 2019

Session 5 – Integration of work done for each sector – IPCC TFI TSU

- 8:00 - 10:00
- Time series consistency
 - Hands-on session on ensuring time-series consistency using an Excel file

10:00 - 10:15 *Coffee break*

10:15 - 12:30 **2006 IPCC Guidelines - General guidance and reporting**

- Uncertainty Analysis in national GHG inventories – UNFCCC secretariat

12:30 - 14:00 *Lunch break*

Session 5 – Integration of work done for each sector – IPCC TFI TSU

- 14:00 - 15:30
- Simulation exercise on inventory compilation using the IPCC Inventory Software
 - Key category analysis using the IPCC Inventory Software
 - Producing reporting tables using the IPCC Inventory Software
 - Questions and answers (overall)

15:30 - 15:45 *Coffee break*

Session 6 – Closing – Moderated by the UNFCCC Secretariat

- 15:45 - 16:30
- Discussion on lessons learnt throughout the workshop
 - Closing remarks
 - Workshop evaluation
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