



## 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 Latin America and Caribbean Region

Organized by the UNFCCC Secretariat in collaboration with the FAO, the UNDP/UNEP Global Support Programme for NCs and BURs, and the Consultative Group of Experts on National Communications from Parties not included in Annex I to the Convention

Rodney Bay, Saint Lucia  
12-16 June 2017

**Monday, 12 June 2017**

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

### **Session 1 – Opening**

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

- Welcome – Mrs. Annette Rattigan-Leo, Deputy Chief, Department of Sustainable Development of Saint Lucia
- Opening Remarks – Mr. Donald Cooper, Director, MDA Programme, UNFCCC Secretariat
- Keynote address – Ms. Valerie Leon, Permanent Secretary, Department of Sustainable Development of Saint Lucia
- Self-introduction by participants

10:00 – 10:30 - Presentation of workshop objectives, expectations and agenda – Mr. Dominique Revet, UNFCCC Secretariat

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

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

10:45 - 11:15 - CGE Handbook on Building Sustainable National GHG Inventory Management Systems – Mr. Dominique Revet, UNFCCC Secretariat

11:15 - 11:30 - Country Presentation: Chile – National GHG Inventory Management System and use of the 2006 IPCC Guidelines

11:30 - 12:20 - US-EPA Template Workbook on Developing a National GHG Inventory System

- Institutional arrangements for national inventory systems – Mr. Dominique Revet, 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, – Mr. Dominique Revet, UNFCCC Secretariat
- Exercise #1

14:30 - 15:30 - General discussion on the experience of countries in establishing their institutional arrangements for national GHG inventories – Mr. Dominique Revet, UNFCCC



Secretariat

15:30 - 15:50 *Coffee break*

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

- 15:50 -16:10 - Country Presentation: Saint Lucia – National GHG Inventory Management System – Methods and Data Documentation
- 16:10 – 17:30 - US-EPA Template Workbook on Developing a National GHG Inventory System
- Methods and Data Documentation Presentation – Mr. Dominique Revet, UNFCCC Secretariat
  - Practice of the Methods and Data Documentation Template
- 18:30 - 20:00 Welcome Cocktail Reception hosted by the Ministry of Education Innovation Gender Relations and Sustainable Development of Saint Lucia

**Tuesday, 13 June 2017**

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

- 09:00 - 9:20 - Country Presentation: Brazil – National GHG Inventory Management System – Quality Assurance and Quality Control (QA/QC)
- 9:20 - 10:45 - US-EPA Template Workbook on Developing a National GHG Inventory System
- Quality Assurance and Quality Control (QA/QC) Presentation – Mr. Dominique Revet, UNFCCC Secretariat
  - Practice of the QA/QC Template
  - Exercise #2

10:45 - 11:00 *Coffee break*

- 11:00 - 12:30 - Country Presentation: Belize – National GHG Inventory Management System – Archiving Documentation
- US-EPA Template Workbook on Developing a National GHG Inventory System
- Archiving Documentation Presentation – Mr. Dominique Revet, UNFCCC Secretariat
  - Practice of the Archiving Template

12:30 - 14:00 *Lunch break*

- 14:00 - 14:20 - Country Presentation: Costa Rica – National GHG Inventory Management System – Key Category Analysis
- 14:20 - 15:30 - US-EPA Template Workbook on Developing a National GHG Inventory System
- Key Category Analysis Presentation – Mr. Dominique Revet, UNFCCC Secretariat
  - Practice of the Key Category Analysis Template
  - Exercise #3

15:30 - 15:45 *Coffee break*

- 15:45 - 16:45 - Country Presentation: Uruguay – 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 – Mr. Dominique Revet, UNFCCC Secretariat



- Exercise #4

- 16:45 - 17:30 - 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

### Wednesday, 14 June 2017

#### *Session 3 – 2006 IPCC Guidelines - General guidance and reporting*

- 09:00 - 10:30 - Overview of 2006 IPCC Guidelines for national greenhouse gas inventory – including differences between Revised 1996 and the 2006 IPCC Guidelines – Mr. Paulo Cornejo Guajardo, Chile, and Mr. Takeshi Enoki, CGE Member
- Uncertainty analysis – Mr. Paulo Cornejo Guajardo, Chile
  - Key category analysis – Mr. Paulo Cornejo Guajardo, Chile
  - Approaches to Data Collection – Mr. Paulo Cornejo Guajardo, Chile
  - Questions and answers

10:30 - 10:45 *Coffee break*

- 10:45 - 12:30 **2006 IPCC Guidelines - General guidance and reporting (cont.)**
- Introduction to the IPCC software and Emission Factor Database (EFDB) – Mr. Paulo Cornejo Guajardo, Chile
  - Hands-on session on EFDB – Mr. Paulo Cornejo Guajardo, Chile
  - Introduction to the IPCC Inventory software – Mr. Paulo Cornejo Guajardo, Chile
  - Installation of the IPCC software – Mr. Paulo Cornejo Guajardo, Chile

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)*

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|---------------|---|--|
| 14:00 - 15:45 | <b>Session 4A1: Energy Sector</b> – Mr. Paulo Cornejo Guajardo, Chile                   | <b>Session 4B1: Agriculture Sector</b> – Mr. Sandro Federici, FAO                            |
|               | - Energy sector – source categories, methodology and improvement under 2006 methodology | - Agriculture sector – source categories, methodology and improvement under 2006 methodology |
|               | - Hands-on session on the IPCC software based on an exercise for the sector             | - Hands-on session on the IPCC software based on an exercise for the sector                  |

15:45 - 16:00 *Coffee break*

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|---------------|---|--|
| 16:00 - 16:20 | - Country Presentation: Trinidad and Tobago – National GHG Inventory - Energy Sector    | - Country Presentation: Argentina – National GHG Inventory – Agriculture Sector              |
| 16:20 - 18:00 | <b>Session 4A1: Energy Sector</b> – Mr. Paulo Cornejo Guajardo, Chile                   | <b>Session 4B1: Agriculture Sector</b> – Mr. Sandro Federici, FAO                            |
|               | - Energy sector – source categories, methodology and improvement under 2006 methodology | - Agriculture sector – source categories, methodology and improvement under 2006 methodology |
|               | - Hands-on session on the IPCC software based on an exercise for the sector             | - Hands-on session on the IPCC software based on an exercise for the sector                  |



**Thursday, 15 June 2017**

**Session 4 – Methodology on each sector (cont.)**

08:00 - 10:00	<b>Session 4A2: Industrial Processes and Product Use Sector</b> – Mr. Paulo Cornejo Guajardo, Chile <ul style="list-style-type: none"><li>- Country Presentation: Brazil – National GHG Inventory – Industrial Processes and Product Use Sector</li><li>- Industrial Processes and Product Use sector – source categories, methodology and improvement under 2006 methodology</li><li>- Hands-on session on the IPCC software based on an exercise for the sector</li></ul>	<b>Session 4B2: Forestry and Other Land Use Sector</b> – Mr. Sandro Federici, FAO <ul style="list-style-type: none"><li>- Country Presentation: Panama - National GHG Inventory – Forestry and Other Land Use Sector</li><li>- Forestry and other land use sector – source categories, methodology and improvement under 2006 methodology</li><li>- Hands-on session on the IPCC software based on an exercise for the sector</li></ul>
10:00 - 10:15	<i>Coffee break</i>	
10:15 - 12:30	<b>Session 4A2: Industrial Processes and Product Use Sector (cont.)</b> – Mr. Paulo Cornejo Guajardo, Chile <ul style="list-style-type: none"><li>- Industrial Processes and Product Use sector – source categories, methodology and improvement under 2006 methodology</li><li>- Hands-on session on the IPCC software based on an exercise for the sector</li></ul>	<b>Session 4B2: Forestry and Other Land Use Sector (cont.)</b> – Mr. Sandro Federici, FAO <ul style="list-style-type: none"><li>- Forestry and other land use sector – source categories, methodology and improvement under 2006 methodology</li><li>- Hands-on session on the IPCC software based on an exercise for the sector</li></ul>
12:30 - 14:00	<i>Lunch break</i>	
14:00 - 15:45	<b>Session 4A3: Waste Sector</b> – Mr. Paulo Cornejo Guajardo, Chile <ul style="list-style-type: none"><li>- Country Presentation: Jamaica – National GHG Inventory – Waste Sector</li><li>- Waste sector – source categories, methodology and improvement under 2006 methodology</li><li>- Hands-on session on the IPCC software based on an exercise for the sector</li></ul>	<b>Session 4B2: Forestry and Other Land Use Sector</b> – Mr. Sandro Federici, FAO <ul style="list-style-type: none"><li>- Country Presentation: Colombia – National GHG Inventory – Forestry and Other Land Use Sector</li><li>- Hands-on session on the IPCC software based on an exercise for the sector – continued</li></ul>
15:45 - 16:00	<i>Coffee break</i>	
16:00 - 18:00	<b>Session 4A3: Waste Sector (cont.)</b> – Mr. Paulo Cornejo Guajardo, Chile <ul style="list-style-type: none"><li>- Waste sector – source categories, methodology and improvement under 2006 methodology</li><li>- Hands-on session on the IPCC software based on an exercise for the sector</li></ul>	<b>Session 4B2: Forestry and Other Land Use Sector (cont.)</b> – Mr. Sandro Federici, FAO <ul style="list-style-type: none"><li>- Hands-on session on the IPCC software based on an exercise for the sector – continued</li></ul>

**Friday, 16 June 2017**

**Session 5 – Integration of work done for each sector**



- 8:00 - 10:00
- Simulation exercise on inventory compilation using the IPCC Inventory Software – Mr. Paulo Cornejo Guajardo, Chile
  - Key category analysis using the IPCC Inventory Software – Mr. Paulo Cornejo Guajardo, Chile
  - Uncertainty analysis using the IPCC Inventory Software – Mr. Paulo Cornejo Guajardo, Chile

10:00 - 10:15 *Coffee break*

10:15 - 12:30 ***Integration of work done for each sector (cont.)***

- Producing reporting tables using the IPCC Inventory Software – Mr. Paulo Cornejo Guajardo, Chile
- Time series consistency – Mr. Paulo Cornejo Guajardo, Chile
- Hands-on session on ensuring time-series consistency using an Excel file – Mr. Paulo Cornejo Guajardo, Chile

12:30 - 14:00 *Lunch break*

***Session 5 – Integration of work done for each sector (Cont.)***

- 14:00 - 15:30
- Hands-on session on ensuring time-series consistency using an Excel file (Cont.) – Mr. Paulo Cornejo Guajardo, Chile
  - 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