

## CAPACITY-BUILDING FOR GHG INVENTORY FOR THE LULUCF SECTOR

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**DATE: 18-20 JANUARY 2024**

### BACKGROUND AND CONTEXT

Country Parties (countries) to the UNFCCC must periodically compile national greenhouse gas (GHG) inventories and communicate them to the UNFCCC secretariat. To achieve this, GHG inventory systems are critical for developing and regularly updating national GHG inventories that, in turn, are foundational to national and international GHG mitigation efforts. Usually, the data for the GHG inventory development are collected from different stakeholders, including line ministries and the private sector. However, stakeholders need a greater understanding of the type and format of the data required.

Most countries have already received capacity-building support on the different aspects of the GHG inventory compilation, including the 2006 IPCC guidelines. However, capacity gaps and lack of awareness remain among the different stakeholders, including countries' central units coordinating the final inventory, mainly because the inventory compilation is often outsourced to external consultants. Furthermore, under the Enhanced Transparency Framework (ETF) of the Paris Agreement, all countries must submit their 1<sup>st</sup> biennial transparency report, including their national GHG inventory under the ETF, at the latest by 31<sup>st</sup> December 2024 and every two years after that. The GHG inventory requirements under the ETF are enhanced compared to the current reporting framework, especially for developing countries. In this context, many developing countries are expected to face challenges in developing a GHG inventory that meets the ETF requirements (e.g., use of the 2006 IPCC guidelines, GHG inventory cross-cutting issues, and data collection).

Based on the assessment done by the CBIT-GSP programme, not much attention has gone towards the building capacity of data providers, which is the focus of this support. Many countries are in the process of developing institutional arrangements and a legal framework for data-sharing between the ministry responsible for the GHG inventory compilation and reporting and data providers, notably the line ministries. These arrangements and agreements need to be operationalized through a series of direct engagements and capacity building for the targeted sector-specific data providers.

The training focuses on the land use, land-use change, and forestry (LULUCF) sector of the national GHG inventory. During the training, participants will have the opportunity to learn in more detail how to develop the LULUCF GHG inventory per the 2006 IPCC guidelines and use the 2006 IPCC software for national GHG inventories. In addition, generally important elements related to the national GHG inventory management systems, such as the institutional arrangements (e.g., data collection, data management), cross-cutting (e.g., QA/QC, uncertainties), and reporting (e.g., common reporting tables) aspects will be covered.

## OBJECTIVES AND TOPICS COVERED

The main objective is i) to improve the capacity of the data providers on GHG inventory requirements, ii) to enhance the knowledge level of GHG inventory compilers, and iii) to increase the efficiency of the coordination among the stakeholders involved in the GHG inventory development. Ultimately, the training aims to enhance the national preparedness level for developing and reporting a LULUCF GHG inventory in accordance with the ETF requirements.

## TARGET AUDIENCE

Data providers and GHG inventory compilers from government and private sector institutions in Zambia.

## TIMEFRAME AND AGENDA

| <i>Date</i>   | <i>Time</i>   |
|---|---------------|
| <i>18 January 2024</i>  |               |
| <i>Registration</i>   | 09:00 – 09:30 |
| <i>Opening session</i><br>- <i>Welcome and opening remarks</i><br>- <i>Self-introduction by participants</i><br>- <i>Presentation of the training objectives and expectations</i>   | 09:30 – 09:50 |
| <i>The introduction to the Biennial Transparency Report content: examples and lessons learned from other countries.</i>   | 09:50 – 10:20 |
| <i>Developing and maintaining a robust and sustainable GHG inventory under the ETF</i><br>- <i>Modalities, procedures and guidelines for the transparency framework for action and support referred to in Art. 13 of the Paris Agreement &amp; GHG inventory</i><br>- <i>The role of institutional arrangements under the ETF</i><br>- <i>The role of quality assurance/quality control under the ETF</i>         | 10:20 – 10:45 |
| <i>Coffee break</i>   | 10:45 – 11:00 |
| <i>Developing and maintaining a robust and sustainable GHG inventory under the ETF (cont.)</i><br>- <i>Modalities, procedures and guidelines for the transparency framework for action and support referred to in Art. 13 of the Paris Agreement &amp; GHG inventory</i><br>- <i>The role of institutional arrangements under the ETF</i><br>- <i>The role of quality assurance/quality control under the ETF</i> | 11:00 – 12:30 |
| <i>Lunch break</i>  | 12:30 – 13:30 |
| <i>The national GHG inventory for the LULUCF sector in accordance with the 2006 IPCC guidelines</i><br>- <i>Overview, general elements of the LULUCF GHG inventory</i><br>- <i>Land representation</i>  | 13:30 – 15:00 |
| <i>Coffee break</i>   | 15:00 – 15:15 |
| <i>The national GHG inventory for the LULUCF sector in accordance with the 2006 IPCC guidelines (cont.)</i>   | 15:15 – 16:00 |

| <i>Date</i>  | <i>Time</i>   |
|--|---------------|
| <ul style="list-style-type: none"> <li>- Overview, general elements of the LULUCF GHG inventory</li> <li>- Land representation</li> </ul>  |               |
| Q&A  | 16:00 – 16:30 |
| <b>19 January 2024</b>   | <b>Time</b>   |
| <i>The national GHG inventory for the LULUCF sector in accordance with the 2006 IPCC guidelines (cont.)</i> <ul style="list-style-type: none"> <li>- Estimating GHG emissions/removals from sources/sinks for the LULUCF sector</li> </ul>         | 09:00 – 10:30 |
| Coffee break   | 10:30 – 10:45 |
| <i>Reporting GHG inventories under the ETF</i> <ul style="list-style-type: none"> <li>- Reporting using the common reporting tables (CRTs)</li> <li>- Allocation of GHG emissions/removals</li> <li>- Assessing uncertainties in LULUCF</li> </ul> | 10:45 – 12:30 |
| Lunch break  | 12:30 – 13:30 |
| <i>The 2006 IPCC software for national GHG inventories</i> <ul style="list-style-type: none"> <li>- Theory</li> <li>- Hands-on exercises</li> </ul>  | 13:30 – 15:00 |
| Coffee break   | 15:00 – 15:15 |
| <i>The 2006 IPCC software for national GHG inventories</i> <ul style="list-style-type: none"> <li>- Theory</li> <li>Hands-on exercises</li> <li>End of day one</li> </ul>  | 15:15 – 16:30 |
| <b>20 January 2024</b>   | <b>Time</b>   |
| <i>The 2006 IPCC software for national GHG inventories</i> <ul style="list-style-type: none"> <li>- Theory</li> <li>- Hands-on exercises</li> </ul>  | 09:00 – 10:30 |
| Coffee break   | 10:30 – 10:45 |
| <i>The 2006 IPCC software for national GHG inventories</i> <ul style="list-style-type: none"> <li>- Theory</li> <li>- Hands-on exercises</li> </ul>  | 10:45 – 12:30 |
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| Coffee break   | 15:00 – 15:15 |
| <i>The 2006 IPCC software for national GHG inventories</i> <ul style="list-style-type: none"> <li>- Theory</li> <li>Hands-on exercises</li> </ul>  | 15:15 – 16:00 |
| <i>Closing</i> <ul style="list-style-type: none"> <li>- Lessons learned</li> <li>- Evaluation using Mentimeter</li> <li>- Closing remarks</li> </ul>   | 16:00 – 16:30 |

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## SPEAKERS AND ROLES



copenhagen  
climate centre



Food and Agriculture  
Organization of the  
United Nations

Mr. Iordanis Tzamtzis, Office of Climate Change, Biodiversity and Environment, Food and Agriculture Organization of the United Nations.

Sheila Kiconco, Network Coordinator Anglophone Africa, Capacity-building Initiative for Transparency - Global Support Programme (CBIT-GSP), UNEP CCC.

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#### CONTACT AND FURTHER INFORMATION

The training is organized by the Capacity-building Initiative for Transparency - Global Support Programme (CBIT-GSP) with the support of the Food and Agriculture Organization of the United Nations, Office of Climate Change, Biodiversity and Environment.

For more details about the training, please contact [sheila.kiconco@un.org](mailto:sheila.kiconco@un.org) and [iordanis.tzamtzis@fao.org](mailto:iordanis.tzamtzis@fao.org).