



Introduction to Session

Hands-on Exercise Using IPCC Inventory Software: Waste Sector

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INTERGOVERNMENTAL PANEL ON climate change

WMO

UN environment programme

Overview

Hands-on demonstration/exercise on IPCC Inventory Software estimating greenhouse gas (GHG) emissions using

- Dummy data set (Hands on exercise_Dummy data_Waste.xlsx)
- Default emissions factors (EFs) and parameters (incorporated in the Inventory Software)

Goals for Session

Get familiar with the IPCC Inventory Software environment

- Navigate the software interface and worksheets
- Enter activity data (AD) and select EFs
- Use the Waste Type Manager

Be able to estimate emissions using the IPCC Inventory Software

- Set up the Waste Type Manager
- Estimate GHG emissions from Solid Waste Disposal
- Estimate GHG emissions from Domestic Wastewater Treatment and Discharge

Hands-on Demonstration/Exercise

I. Using Waste Type Manager

II. Estimating GHG emissions

- Solid Waste Disposal (CH_4)
- Domestic Wastewater Treatment and Discharge (CH_4 and N_2O)

Exercise I: Using Waste Type Manager

- Updating existing data
- Adding missing data
- Adding user-specific waste category/type and data for associated parameters

Exercise II: Estimating Emissions

SOLID WASTE DISPOSAL

- Worksheet specific features (e.g., initial settings, using historical time series data, etc.)
- Waste Type Parameters for Selected Subdivision (e.g., selecting waste categories/types and associated parameters to be used for calculation, etc.)
- Estimating CH_4 emissions implementing First Order Decay (FOD) method
  - Bulk waste option
  - Waste components option

Exercise II: Estimating Emissions

DOMESTIC WASTEWATER TREATMENT AND DISCHARGE

- Worksheet specific features (e.g., displaying/expanding worksheets, etc.)
- Estimating CH_4 and N_2O emissions
  - Tier 1 method
  - Tier 2 method

THANK YOU

FOR YOUR ATTENTION

STAY IN TOUCH



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STAY CONNECTED

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