IPCC Inventory Software: Tools, Export/Import of Data and Reporting Tables

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Tools

• Reference Approach
  – Produce a first-order estimate of national greenhouse gas emissions based on the energy supplied to a country

• Uncertainty Analysis
  – Quantitative uncertainty analysis is performed by estimating the 95 percent confidence interval of the emissions and removals estimates for individual categories and for the total inventory

• Key Category Analysis
  – A key category is one that is prioritised within the national inventory system because its estimate has a significant influence on a country’s total inventory of greenhouse gases in terms of the absolute level, the trend, or the uncertainty in emissions and removals
Click “Uncertainty Analysis”

Click to perform analysis
Uncertainty Analysis

The default assumption is that the 1st of January in the year of the analysis is equivalent to an average of 365/2 days (182.5). It is necessary to estimate the AD and EF uncertainties to methane emissions, which are commonly associated with good practice of waste management, but with resources and time constraints, this may not be feasible. The uncertainties can be estimated using the IPCC guidelines, but with limited data on waste composition, it is recommended to use a conservative approach. The model can be used to estimate the amount of waste deposited to a SWDS based on population and waste generated. The uncertainties can be entered by clicking on the 'Click to enter AD and EF uncertainties' button.
Click “Key Category Analysis”

Click to perform analysis
Export/Import of Data

- **Export**
  - Worksheet Data
  - CO$_2$ Equivalents
  - F-Gases Data
  - NAI Reporting Table

- **Import**
  - Worksheet Data
  - CO$_2$ Equivalents
  - F-Gases Data
Export of Data

Click the data to export

Select categories to export data (XML file)
Import of Data

Click the data to import

Select the file to import
## Reporting Tables

### Click "Reports"

### Table 4: MUTE Sectoral Table

<table>
<thead>
<tr>
<th>Emissions (kg)</th>
<th>CO2</th>
<th>CH4</th>
<th>N2O</th>
<th>NOx</th>
<th>CO</th>
<th>NMVOCs (t)</th>
<th>SO2</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Waste</td>
<td>7708.84</td>
<td>177</td>
<td>241</td>
<td>1.08</td>
<td>0.09</td>
<td>0.80</td>
<td>0.00</td>
</tr>
<tr>
<td>1.A - Solid Waste Disposal</td>
<td>8.79</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>1.B - Municipal Solid Waste Disposal</td>
<td>1.56</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>1.C - Composting of Waste</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>2. Biogas Treatment of Solid Waste</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>3. Incineration and Open Burning of Waste</td>
<td>7708.84</td>
<td>0.20</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>4.0 - Waste Incineration</td>
<td>9200</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>4.1 - Open Burning of Waste</td>
<td>2008.10</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>4.2 - Incineration and Open Burning of Waste</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>4.3 - Other (please specify)</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
</tbody>
</table>

**Number of decimal places:**
- [ ] 2
- [ ] Zero padding

**Documentation note:**

1. Countries may wish to report emissions of NMVOCs from waste disposal sites and waste water treatment.
2. Calls to report emissions of NOx, CO, NMVOCs and SO2 have not been shaded although the physical potential for lacking in some categories. Processors are advised.
Task Force on National Greenhouse Gas Inventories

Thank you

IPCC Inventory Software can be downloaded from
http://www.ipcc-nggip.iges.or.jp/software/index.html