UNECE LRTAP Convention - Objectives

- To implement the Convention on Long Range Transboundary Air Pollution
- Address the issues of acid deposition, photo-oxidants, heavy metals Persistent organic pollutants
- Reviewing Strategies, Developing Protocols, Testing Compliance, evaluation economic and financial issues

European Environmental Monitoring Programme (EMEP)

- The programme is designed to provide analyses and reports on:
  - emission data submitted by members in accordance with reporting obligations and guidelines
  - the provision of estimates in the absence of reported data,
  - modeling atmospheric transport, chemistry and deposition
  - data analysis tools
Task Force on Emission Inventories

• Scope:
  • Enable improved reporting of emissions to EMEP
  • Developing reporting guidelines (the EMEP/CORINAIR Guidebook)
  • Encourage the use of the EMEP/CORINAIR Guidebook
  • Ensure harmonization with other international inventory activity and prevent duplication of effort.

Achievements (1)

• EMEP/CORINAIR Guidebook
  – a comprehensive source of reference
  – links to the IPCC guidebook
  – an independent inventory verification tool
  – a vehicle to inform the public
Establishing a Database on Greenhouse Gas Emission Factors  Meeting Report : Annex4

Achievements (2)

- Development capability
  - multi media
  - extension to new pollutants
  - incorporation of abatement techniques
  - trends and projections
- Expert network
- International recognition

Table 8.1: Emission factors for gaseous compounds

<table>
<thead>
<tr>
<th>Compound</th>
<th>Emission factor [mg/GJ]</th>
<th>Abatement type</th>
<th>Abatement efficiency [%]</th>
<th>Fuel type (NAPUE code)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOx</td>
<td>499</td>
<td>uncontrolled</td>
<td>N/A</td>
<td>Coke breeze (107)</td>
</tr>
<tr>
<td></td>
<td>658</td>
<td>uncontrolled</td>
<td>N/A</td>
<td>Heating oil heavy (203)</td>
</tr>
<tr>
<td></td>
<td>1410</td>
<td>uncontrolled</td>
<td>N/A</td>
<td>Heating oil light (204)</td>
</tr>
<tr>
<td></td>
<td>4680</td>
<td>uncontrolled</td>
<td>N/A</td>
<td>Natural gas (301)</td>
</tr>
<tr>
<td></td>
<td>5490</td>
<td>uncontrolled</td>
<td>N/A</td>
<td>Coke oven gas (304)</td>
</tr>
<tr>
<td></td>
<td>8600</td>
<td>uncontrolled</td>
<td>N/A</td>
<td>Blast furnace gas (305)</td>
</tr>
<tr>
<td></td>
<td>plus scrubber</td>
<td></td>
<td>90</td>
<td>all fuels</td>
</tr>
</tbody>
</table>

- Data Quality C