

Activities of the UNFCCC in relation to GHG inventories and views on the IPCC emission factors database

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Outline of the presentation

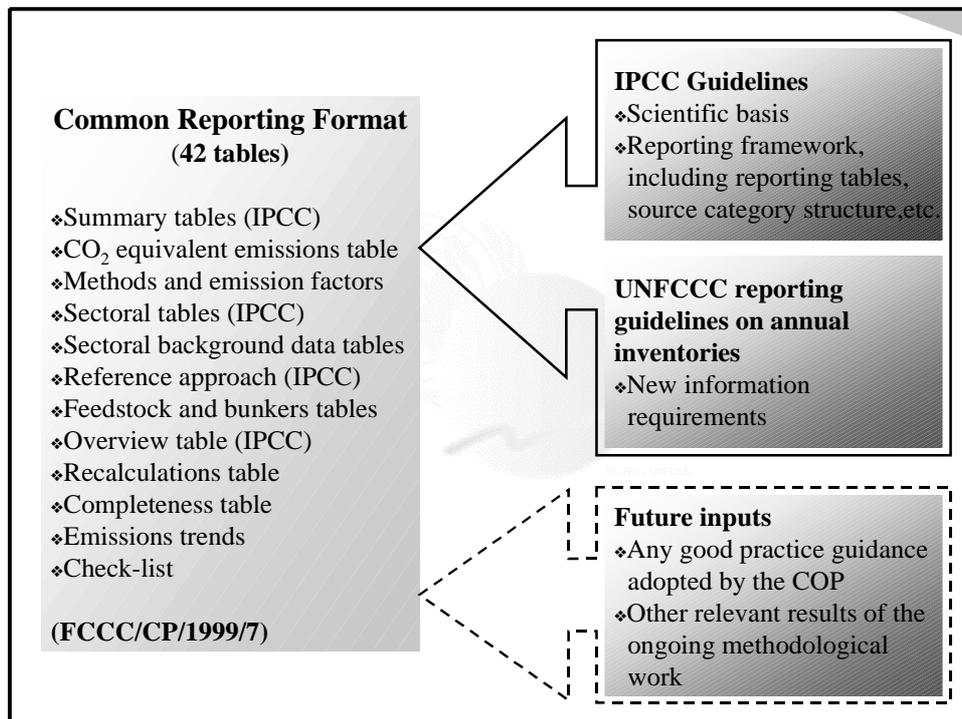
- Common Reporting Format
- UNFCCC database
- Views on the development of the IPCC emission factors database

Common Reporting Format (1)

- Electronic submission of inventory data in a standardized/uniform format from Annex I Parties
- General information on methods, sources of activity data and emission factors and other inventory information
- Information on recalculations

Common Reporting Format (2)

- Comparison of activity data and emission factors over time
- Comparison of implied emission factors among Parties
- Quick identification of possible errors and/or omissions in inventory data



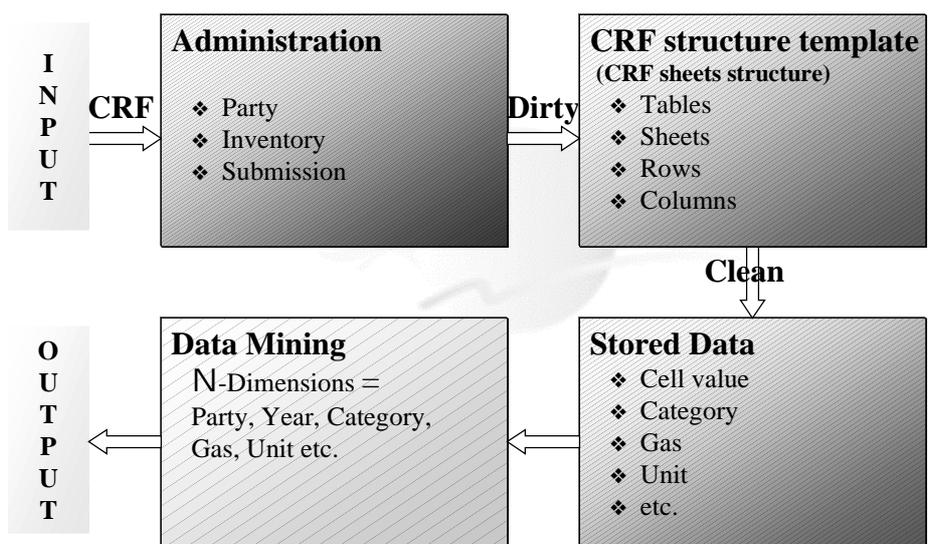
The UNFCCC database (1)

- CRF Import
 - ❖ Administrative data (Party, Year, Submission etc.)
 - ❖ Check CRF structure
 - ❖ All inventory data as submitted ("**Dirty**" database)
- Consistency Check
 - ❖ CRF formulas (IEF, Totals, etc) - Redundancy
 - ❖ Reduced set of data eliminating inconsistencies and redundancy ("**Clean**" database)

The UNFCCC database (2)

- Gap Reports
 - ❖ Completeness
 - ❖ Content overview (browsing)
- Data Analysis
 - ❖ Data Mining
 - ❖ N-Dimensional data cube

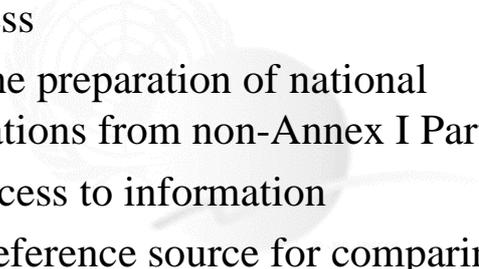
The UNFCCC database



Views on the emission factors database

- Purpose
 - Approach
 - Users
 - Features
 - What should be included
- 

Purpose

- Improve national GHG inventory quality and completeness
 - Facilitate the preparation of national communications from non-Annex I Parties
 - Improve access to information
 - Provide a reference source for comparing national emission factors
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Approach

- Review English and non-English language literature
- Ensure broad participation (non-Annex I and Annex I Parties)
- Involve international organisations
- Consider small expert meetings to review EFs data on selective sources/sinks
- Phased approach

Users

- Near Term
 - ❖ Inventory experts (non-Annex I and Annex I Parties)
 - ❖ Scientific community
- Longer term
 - ❖ Expert review teams
 - ❖ Project developers (CDM and JI)
 - ❖ Corporations (Emissions trading)
 - ❖ IPCC (future update of inventory guidelines)

Features

- Knowledge base - expert system
- Flexible structure to allow for expansion
- Flexible queries
 - ◆ technology/sources
 - ◆ regions/climatic zones
- “Simple” quality indicators
- User-friendly interface

What should be included

- Greenhouse gases
 - No precursor gases
 - IPCC source/sink categories
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- Technologies
- Test factors