The Energy Data Management Center: Overview

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IEA Energy Data Centre
The Energy Data Management Centre (EDMC)

• WHAT is it?

• WHY is it Important?

• HOW to use it?
WHAT is EDMC?

- The EDMC is a complex database available on-line
- Created to facilitate data submission and data exchange
- Profile Based Client-Server application
- Allowing to collect, check and report energy data
WHAT is EDMC?

- Data Collection

- annual and monthly questionnaires by countries using any of the 11 available questionnaires

- Collect data for 34 OECD Countries
WHAT is EDMC?

- Data Checking

- Check data according to a predefined set of rules
WHAT is EDMC?

- Data Visualization

Tables

Time series
WHY is EDMC Important?

- Data submissions are more **secure and transparent**
- More **efficient** co-operation with partners (countries, EuroStat, ...)
- The country users can **automate** the data submission
- Cross-questionnaire **checking**
- A **faster** data quality process
WHY is EDMC Important?

- Guarantees the **consistency** of the forms being used
- A client-server solution for a better **dissemination** of new questionnaires
HOW to use EDMC?

- The EDMC: Excel Templates and Forms
How can countries use EDMC?
HOW to use EDMC?

EDMC Questionnaires

5 independent Annual Questionnaires (Electricity, Coal, Gas, Oil, Renewables). Questionnaires sent with prefilled time series.

5 Monthly Questionnaires (MOS Oil, MOS Gas, Maxi JODI, JODI Gas, JODI). Empty templates.

1 flexible Emergency Reporting Questionnaire (QuE).
HOW to use EDMC?

- Data transfers from **CSV** (comma separated value)

- From a CSV file created from the annual/monthly IEA excel questionnaire.
  - Use the “Export” button on the menu page in excel questionnaire.

- Directly from your own database:
  - via a CSV file
HOW to use EDMC?

- EDMC Online Forms
HOW to use EDMC?

- **EDMC Consistency checks**
- Internal consistency checks
- Cross-questionnaires consistency checks
- Running the checks online
### QUE - STOCKS

This time series is read-only

**Unit: Thousand Metric Tons**

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### Comparison:
QuE / MOS / JODI

- The EDC facilitates data entry (Excel or Manual)
- Consistency checks
HOW to use EDMC?

- EDMC Notify
- Once you complete a questionnaire inform us
- A consistency check will be run automatically
HOW to use EDMC?

EDMC Monitoring

The EDMC consists of over 170 data sheets!

- And it keeps track on:
  - New Submissions:
  - Which data have been modified?
  - By whom?
  - What was the previous value?

- Data changes are transparent. User can follow data “history”
Conclusion

● WHAT is EDMC?
  ◆ Online reporting tool to facilitate gains in timeliness, completeness and consistency of data submissions.
  ◆ Collects, Checks and Reports Energy Data from National Administration

● WHY is EDMC Important?
  ◆ Integrated tool for data quality (consistency checks, log historical changes)
  ◆ A faster and secure way for Data Submissions

● HOW to use EDMC?
  ◆ Use Online Forms or CSV files for Data Submissions
  ◆ Monitor and check submitted energy data. And assure its quality.
Now let’s practice the interaction between the excel files and the energydatacenter website (test)

http://monthly.energydatacenter.org