# The Energy Data Management Center: Overview

Oslo Group meeting Abu Dhabi, May 2014

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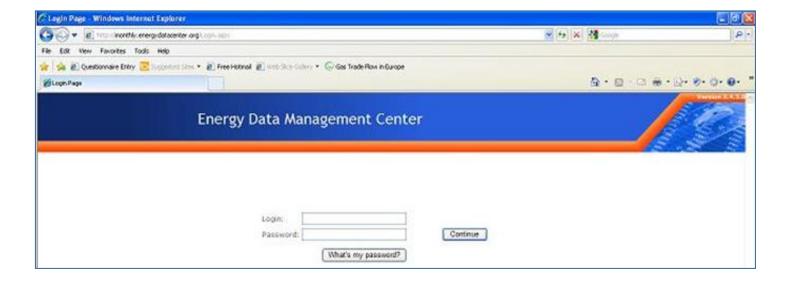


# **The Energy Data Management Centre (EDMC)**

WHAT is it?

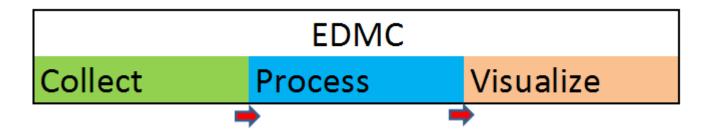
WHY is it Important?

HOW to use it?





- 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





Data Collection

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

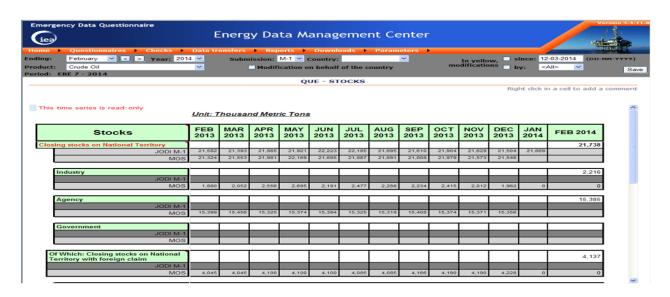
■ Collect data for 34 OECD Countries





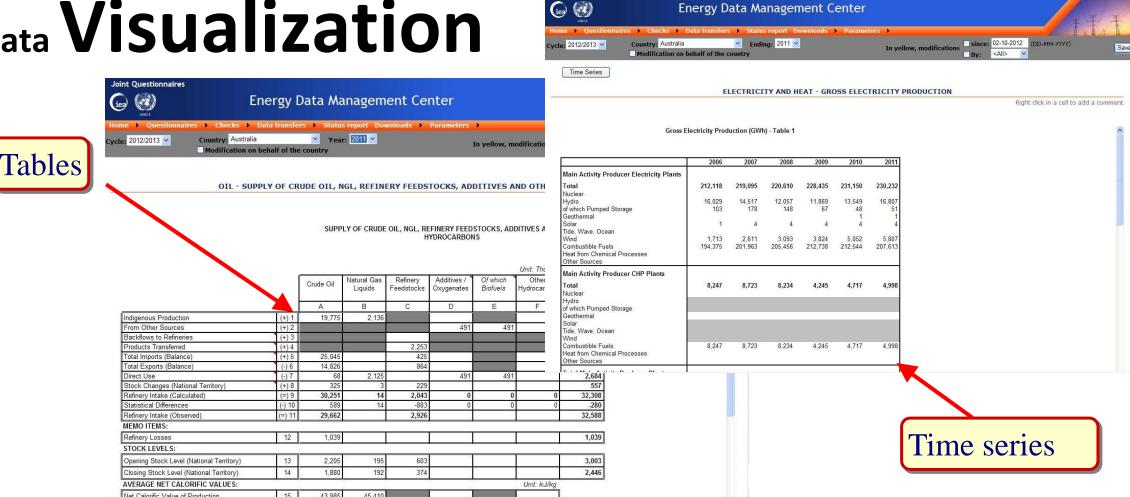
# Data Checking

■ Check data according to a predefined set of **rules** 





Data Visualization



**Energy Data Management Center** 



# **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



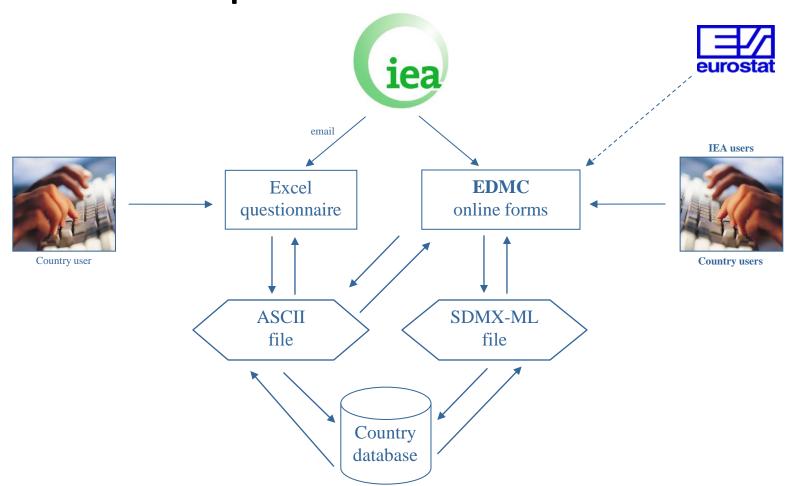
## WHY is EDMC Important?

- Guarantees the CONSISTENCY of the forms being used
- A client-server solution for a better dissemination of new questionnaires





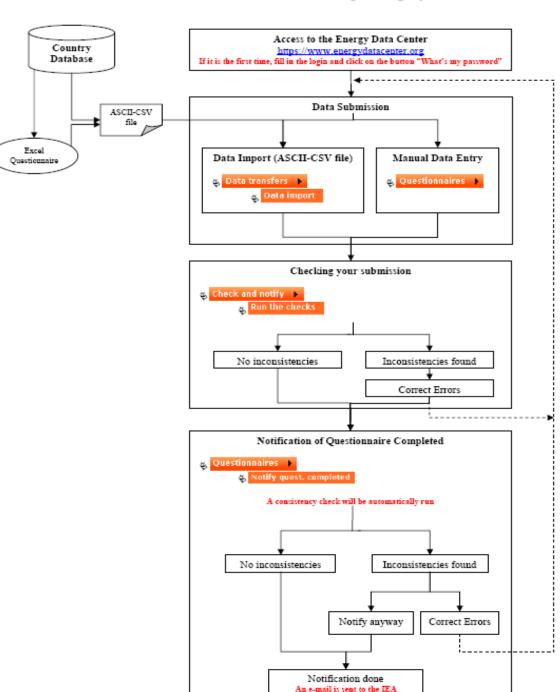
■ The EDMC: Excel Templates and Forms





#### How can countries use EDMC?

#### Data Submission via the Online Reporting System





- **EDMC Questionnaires**
- **5** independent Annual Questionnaires (Electricity, Coal, Gas, Oil, Renewables). Questionnaires sent with prefilled time series.
- Monthly Questionnaires (MOS Oil, MOS Gas, Maxi JODI, JODI Gas, JODI). Empty templates.
- 1 flexible Emergency Reporting Questionnaire (QuE).

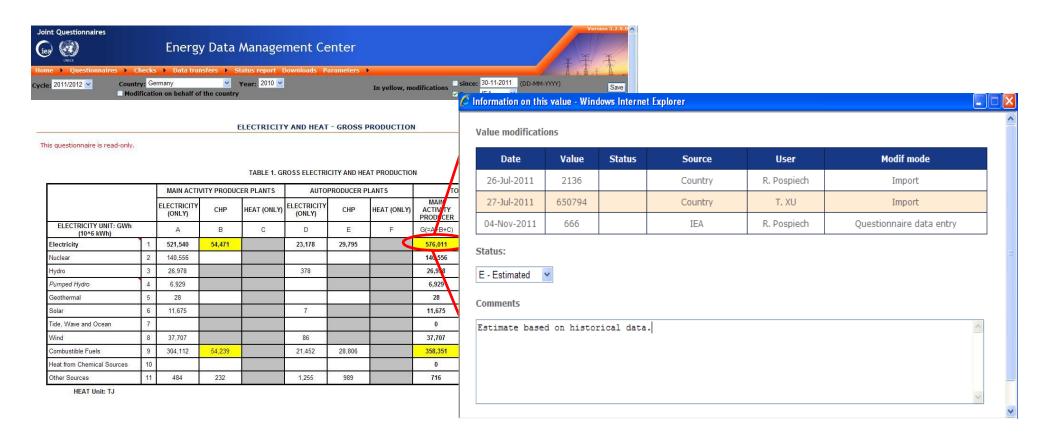


- Data transfers from **CSV** (comma separated value)
- From a CSV file created from the annual/monthly IEA excel questionnaire.
  - Use the "Export" button on the menu page in excel questionnaire.

- Directly from your own database:
  - via a CSV file

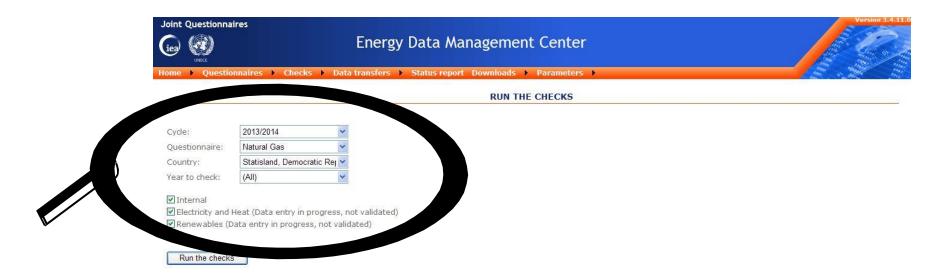


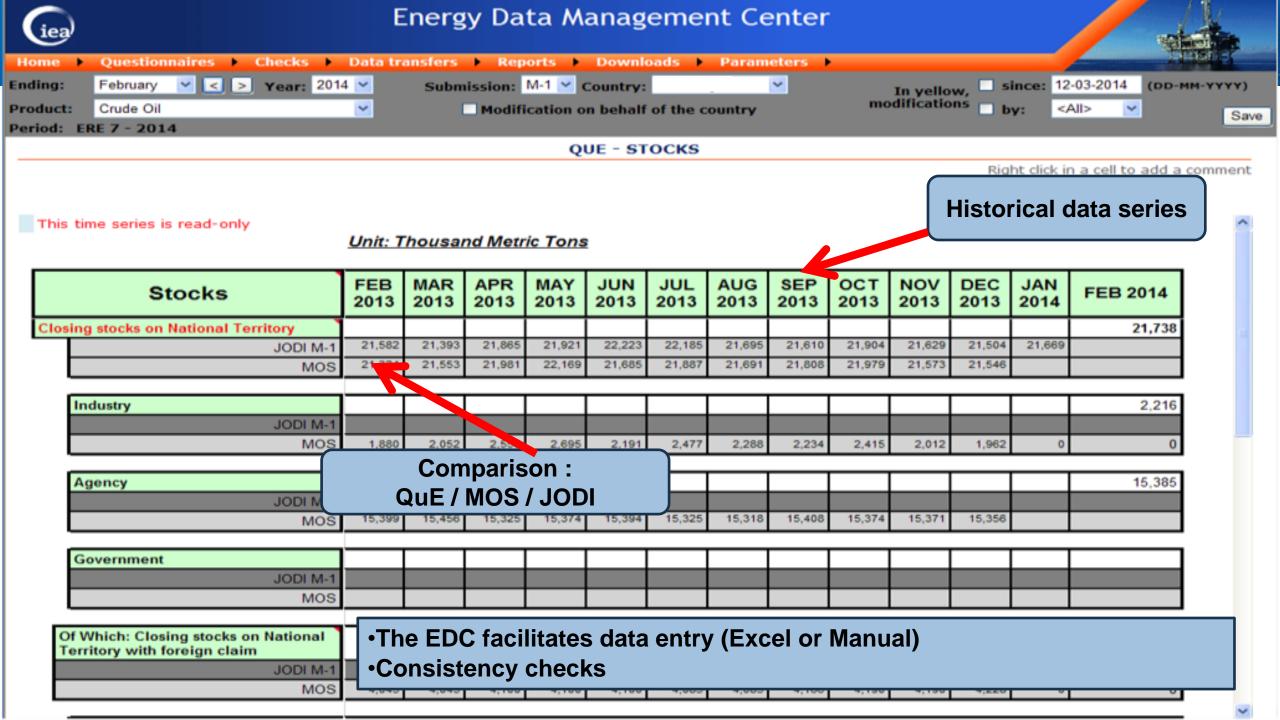
# **EDMC Online Forms**





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







EDMC Notify

Once you complete a questionnaire **inform** us



■ A consistency **Check** will be run automatically



# 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

- 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