



Directorate-General
for Energy
and Transport



EUROPEAN
COMMISSION

● The Energy Market Observatory

Power Ring Conference

Internal Market for
Electricity and Gas
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Background

- "An Energy Policy for Europe", adopted by the Commission on 10 January 2007
Action Plan annexed to the Presidency
- Conclusions of the European Council of 8/9 March 2007.
European Parliament's Resolution of 14 December 2006

Broad objective

- "undertake core functions regarding Europe's energy demand and supply, notably increasing transparency regarding the future investments needs in the EU for electricity and gas infrastructure and generation facilities and, via benchmarking and the exchange of best practise, the success of Member States in ensuring that their energy mix evolves in a manner that contributes effectively to the EU's energy goals."*

Tasks of the observatory (1)

- offer a one-stop shop for the large collection of information,
- assess with view to simplifying, Member States' obligations, in the field of energy in relation to various existing legal instruments,
- integrate such information with other sources of energy information, and incorporating them as much as possible in the EMOS data base,
- provide an overall review and assessment mechanism for this information to enable a periodic analysis of the energy situation and its evolution, particularly in respect of: evolution of the energy mix, penetration of renewable, present and future level of investments etc...
- allow for a cross-sectoral approach to energy-related information,

Tasks of the observatory (2)

- develop benchmarking exercises and exchange of best practices between Member States,
 - ensure support and supply information to the Gas Coordination Group, the Oil Supply Group, the Network of Energy Correspondents, Council Working Groups, EP Committees, and other EU bodies as appropriate,
 - enhance cooperation with international agencies such as the IEA, and international financial institutions,
 - include data and information from EU energy suppliers and third countries to provide an international perspective to energy issues.
- A specific task of the Observatory will be to provide
- input for the preparation of the Strategic EU Energy Review, due by the end of 2008

● The origins of EMOS

- Developed as a preparatory action started in
- 2004, aiming at monitoring the supply of gas and oil in EU
- EMOS will enter into production in the next
- weeks
- Additional functionalities to be added by March
- 2008
- EMOS now constitutes the backbone of newly
- created Energy Observatory (unit C4)

What is EMOS ?

- An energy markets “database of databases”
- under Oracle + a reporting tool under software Business Objects, coupled with geospatial representation tool in TREN GIS
- Contains data tables on volumes, prices, indices...
- Covers EU27 + Norway + neighborhood countries
- + worldwide key data
- Covers mainly Oil, Gas, Electricity
- 13 Providers, 188 regularly updated files, 5GB
- currently, 10s of millions of datalines + a documents library

The global benefits of EMOS

A) Tested and selected resources

1. complementary resources covering oil, products, gas and power
2. focus on the data that matter for Europe's energy markets policy-makers and analysts
3. in the case of copyrighted data, user access is controlled to ensure copyright protection

B) Improved and consistent data collection

1. Tested and selected resources
2. Automated and regular data collection
3. New functionalities and ergonomomy
4. Security, flexibility and scalability



O&G
upstream



oil
downstream



gas
downstream



power



CFTC



energy efficiency



NTU Athens



● What EMOS offers

- Integrated access to data from multiple sources (one-stop-shopping), including new ones to TREN staff
 - Simplification of TREN reporting (e.g. Bulletin Pétrolier)
 - Enhanced data processing possibilities
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Expansion possibilities

1. oil & gas reserves by country and type, refining infrastructure
2. document management, advanced search
3. additional fuels: nuclear, coal, biofuels, renewables
4. additional TSOs (Nordel, National Grid...)
5. add new countries in line with European expansion
6. geographical information system for pipelines

■ Thank you for your attention

http://ec.europa.eu/energy/index_en.html

