Proposals for strengthening harmonisation between organisations

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Why is harmonisation essential?



Data vary between sources

Data vary from source to source

APEC IEA OLADE OPEC UN

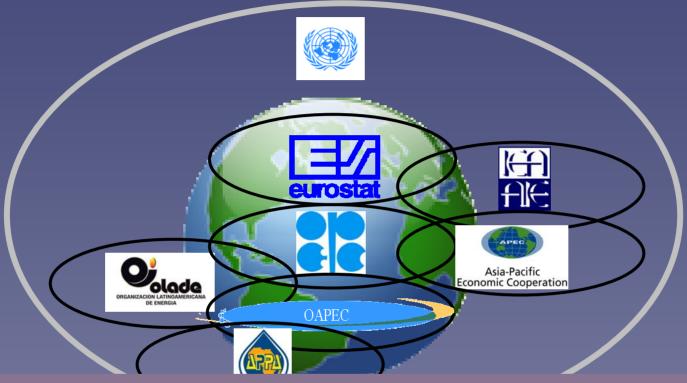
Mexico Oil Production

Burden to statisticians





Burden to Organisations



Overlapping membership means that each organisation collects and processes information for their own members. Some of which are covered by other organisations. Resource efficient?

Problem: Definitions need to be harmonised, standards and methodologies agreed upon.



Harmonisation is essential

Because:

- It can avoid confusion when analysing data
- It can reduce the burden for countries with multiple membership
- It can reduce the international organisations burden (provided harmonisation)



What needs harmonising?



Different areas for harmonisation

- Definitions: products and flows
- Questionnaires
- Methodologies
- Units and conversion factors
- Verification procedures / Quality standards
- Presentation of data



Where and How to start?



First Step

- Know the differences and similarities
- InterEnerStat Website offers this

possibility

InterEnerStat







Organisations Definitions

Units Reference Documents Databases/

Meetings Contact Us Natural Gas

Asia-Pacific Economic Cooperation (APEC)

Natural gas comprises gases, occurring in underground deposits, whether liquefied or gaseous, consisting mainly of methane. It includes both "non-associated" gas originating from fields producing hydrocarbons only in gaseous form, and "associated" gas produced in association with crude oil as well as methane recovered from coal mines (colliery gas). They are defined as follows:

- Associated Gas: natural gas produced in association with crude oil.
- Non-Associated Gas: natural gas originating from fields producing hydrocarbons only in gaseous form.
- Colliery Gas: methane produced at coal mines, piped to the surface and consumed at collieries or transmitted by pipelin to consumers

Notes: Liquid Natural Gas (LNG) is produced by liquefaction of natural gas and is consumed after re-gasification

Manufactured gas (produced from municipal or industrial waste, or sewage) is covered under Renewables ar

European Commission - Eurostat

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International Energy Agency (IEA)

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Latin American Organisation for Energy (OLADE)

This is a gaseous mixture of hydrocarbons. It includes both free and associated natural gas and is also found in coal mines or zones of geo-pressure. For the purpose of the Energy Balance, both the free and associated net gas produced are considered nart of the same source, being of similar nature and use

Definitions used by different **Organisations**

Shows similarities and differences



Second Step

Basis of differences and similarities can be used to find a compromise





Examples of Harmonisation

- ✓ Common Questionnaires
- ✓ JODI
- ✓ Harmonisation of definitions
- ✓ Exchange of information

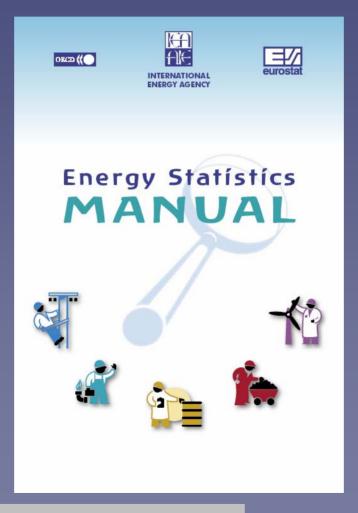


Common Questionnaires

- Annual Fuel Questionnaires were harmonised between Eurostat, IEA and UNECE late 80s.
- More recently, APEC adopted the harmonised questionnaires to a large extent

InterEnerStat – Paris 19-20 November 20

Common Energy Statistics Manual



Joint manual between Eurostat and IEA



JODI

- A small harmonised questionnaire on oil (42 data points)
- Used to collect data worldwide
- Common format and definitions for flows and products, shared between:









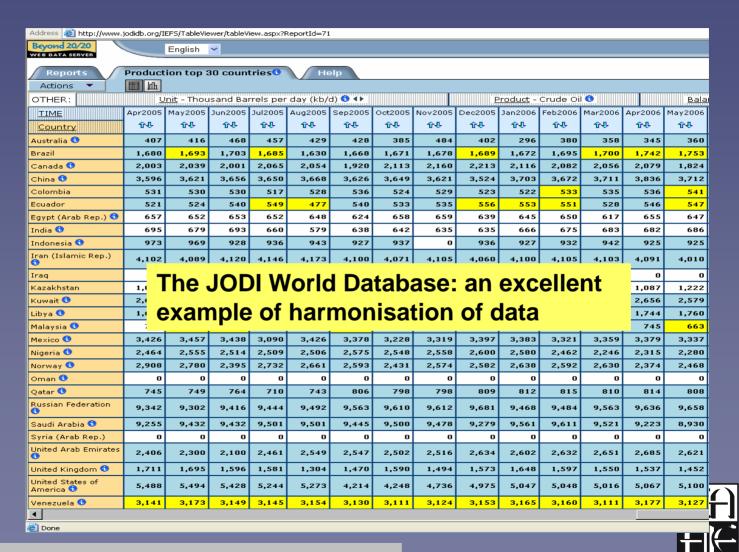






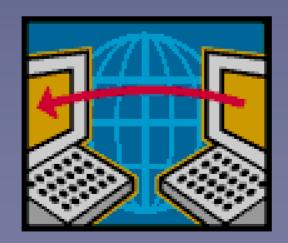
No common Unit – but conversion factors

A common manual and database



Harmonisation of Definitions Exchange of Information

- Harmonisation of Definitions
 - E.g. between IPCC and IEA
- Exchange of Information
 - E.g. between IEA, UNSD, APEC, UNFCCC and WEC





Reactions by International Organisations

- ✓ Suggestions for strengthening harmonisation
- ✓ To the preparations for common definitions



How to further strengthen harmonisation?

Main Suggestions by Organisations: 3 Categories

- > Harmonisation of:
 - ✓ Definitions flows, products (UNSD)
 - ✓ Terminology (UNECE)
 - ✓ Units (UNSD)
 - ✓ Quality control (EEA)
 - ✓ Level of detail (EEA)
 - √ Compilation (UNSD)



How to further strengthen harmonisation? (ctd)

➤ Education and Training material

- ✓ A common statistics manual (APEC)
- ✓ Collaboration in training courses (APEC, OAPEC)
- ✓ Joint policy studies using energy statistics (APEC)



How to further strengthen harmonisation? (ctd)

➤ Dialogue and co-operation

- ✓ Regular InterEnerStat meetings (IPCC)
- ✓ Technical Working groups (OPEC, UNFCCC)
- ✓ Extend quality and quantity of dialogue between organisations (OAPEC)
- ✓ Organisations should take an open and flexible approach (IAEA)
- ✓ More exchange of information
- ✓ Exchange of personnel



Preparations for common definitions

- Majority support for an expert(s): 12 out of 13 (1 No)
- However, divided opinions on number of experts
 - One Expert



- ✓ EEA
- ✓ Eurostat
- ✓ IPCC
- ✓ OAPEC
- ✓ OPEC
- ✓ Oslo City Group
- ✓ UNFCCC
- No
 - ✓ Eurelec: Depends on the expert, but probably will not help







- **✓** UNECE
- ✓ UNSD



- Main reasons cited: difficult
 - ✓ to find expert in all domains
 - ✓ Independent expert



Some questions raised

- Some questions
 - Difficult to find an "independent" expert
 - Who will finance the expert(s)?
 - Adoption of harmonised definitions need to be discussed within each organisation
 - What are the implication for historical data series if definitions are harmonised?
 - There is an impact on existing mandatory reporting
 - A scoping study to ensure all considerations are taken into account and a complete TOR are established

A few Suggestions

- IAEA: cooperate and collaborate with Oslo City group
- **UNECE:** UNECE Group of Experts on the Harmonization of Fossil Energy and Mineral Resources (AHGE) is prepared to respond to international needs for energy statistics
- **UNSD:** Group of experts to make recommendation to Inter-Secretariat Working Group on Energy Statistics and Oslo City Group



Some reasons for harmonisation of definitions

- We support the idea of having consistency between different organisations to allow fair comparisons between different countries (EEA)
- The expert should be required to determine the differences in definitions and propose new definitions acceptable to all parties (APEC)
- The expert would be able to standardise and harmonise definitions to make them more accurate and suitable for all users (OAPEC),

Thank you!

