What is IEA?

Share of OECD in World TPES

- **1973**: 61%
- **2009**: 43%
What data do we collect and how?

**OECD**
- 5 annual questionnaires
- Quarterly questionnaire on prices and taxes
- Monthly questionnaire
  - Electricity
  - Oil and gas (M-2)
  - Oil and gas (M-1)
- Exceptional questionnaires

**Non-OECD**
- Joint IEA/UNECE/Eurostat countries
- Network of statistics contacts in 130 countries
- Cooperation with international organizations
  - UN
  - FAO
  - OAPEC
  - OPEC
ESCWA is a key region for energy

- Major energy producing and exporting region
- But also a fast growing consumer

**Total primary energy supply of ESCWA**

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<th>Year</th>
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**TPES/GDP PPP in 2009**

- Non-OECD Europe and Eurasia
- ESCWA*
- OECD
- China
- Asia excl. China
- Latin America

**TPES/capita in 2009**

- OECD
- Non-OECD Europe and Eurasia
- ESCWA*
- China
- Latin America
- Asia excl. China

*ESCWA calculations are based on 2011 IEA data for the 13 ESCWA members for which IEA data has separate data available.
Collecting energy data for ESCWA countries is challenging

- Difficult access to key sources and contacts
- Unharmonized definitions
- Complex energy flows
- “Shadow” energy data
Challenge n°1: communication

In each country, we are looking for:

- A primary official source of data
- A full set of energy statistics
- A contact well connected to all national energy data producing organizations

Examples of our relationships with ESCWA countries
Challenge n°2: definitions

- IEA definition of marketed natural gas production
  = gross production
  - flared
  - vented
  - re-injected
  - natural gas liquids including own use

- IEA units of measure
  cubic meters standard conditions / TJ GCV
Challenge no3: complex energy flows

Input → Refinery → Output

- Losses
- Refinery Fuel

Output:

- PETROCHEMICAL PLANTS
- GAS SEPARATION PLANTS
- GAS TO LIQUID PLANTS
Challenge n°4: “shadow” energy data

- Illegal trade
- Autoproducers
- Solar
But we are moving forward together
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