2030 targets based on official statistics quality concerns

Milka Mumovic, electricity and statistics expert
Statistics acquis

https://www.energy-community.org/legal/acquis/

- Regulation no 1099/2008 on energy statistics (amended)
- Regulation No 2016/1952(EU) on price statistics

Addressed to all Contracting Parties

Data to be transmitted to EUROSTAT!!

https://ec.europa.eu/eurostat/web/energy/data/main-tables

Methodologies, instructions, explanations

Databases
Energy Community legal framework

Treaty establishing the Energy Community

Statistical data

- Electricity
- Natural gas
- Oil
- Energy infrastructure
- Energy from renewable sources
- Energy efficiency
- Environment
- Climate
Data on Network energy: electricity, natural gas, oil

Basic information for long term planning

- Fuel availability and diversification
- Import dependency - Security of supply
- Efficiency of electricity generation fleet
- Emission and pollution from generation plants...

Market information

- Market concentration
- Price components: wholesale price, network price, fees and duties, taxes
- Costs of electricity and natural gas for households and industry
- Energy poverty
Contracting Parties shall ensure the quality of the data transmitted.

For the purposes of this Regulation, the following **quality assessment dimensions** shall apply to the data to be transmitted:

- Relevance
- Accuracy
- Timeliness
- Punctuality
- Accessibility
- Comparability
- Coherence

Every five years, Contracting Parties shall provide the Commission (Eurostat) with a report on the quality of the data transmitted as well as on any methodological changes that have been made.
Is the official statistics available?
Is it of required quality?
Is it disseminated as required?
How it can be improved?

- Coordination and cooperation (internal, external, regional, international)
- Cross-sector validation

TRUST IN AND RELY ON OFFICIAL STATISTICS
Coordination and cooperation

National statistic institute - entity responsible for official statistics

- National:
  - Energy regulator,
  - Administration in charge of energy (ministry, agencies for renewable energy, energy efficiency,
  - Business associations, Consumers associations, Nongovernmental organisation.

- International:
  - EUROSTAT – methodologies, procedures, standards, instructions, guidelines, best practice, pilot projects, secondment, training /International Energy Agency,
  - Energy Community - assistance projects
  - Peer to peer - exchange and consultations
  - JODI, UN SD
Cross sectoral reconciliations

Energy data may be reconciled with statistics in

✓ Transport,
✓ Forestry,
✓ Agriculture,
✓ Environment
✓ ...

- Continuity in observation
- Checking and cross checking
- Revision and improving
- Validation, auditing
Trust in official sources

- Officially **assigned responsibility to provide reliable information on fuel and energy production, import, export, transformation and final use**
- Where **official information is not available**, information is collected and processed by other interested parties
- Such data providers do not have to obligation to quality - coherent, consistent and accurate information
- Missing official information of the required quality may result in unintended or intended manipulation

**Key word: quality**
Assessment of implementation;
Compliance with the acquis; infringements
Energy statistics to be transmitted to EUROSTAT by officially nominated contact point

1. Quality reports

2. Annual data - unified EUROSTAT/IEA questionnaires
   
   Breakdown of energy consumption in households
   
   SHARES tool (not mandatory under statistics acquis)

3. Monthly statistics
Regulation 2016/1952

Half yearly prices
- of electricity
- of natural gas

- charged to households
- Charged to non-households

Per consumption bands

Per taxation level

Price components
- energy,
- network
- taxes and levies
Quality reports transmitted:
- Albania,
- North Macedonia,
- Moldova
in process:
- Ukraine

Ready:
Bosnia and Herzegovina
Kosovo*
Montenegro
### Status of compliance with Regulation 1099/2008

#### Simplified energy balances [nrg_bal_s]

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<thead>
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<th>Source of data</th>
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<td>Extracted on</td>
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#### NRG_BAL

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<td>Montenegro</td>
<td>1.037,765</td>
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<td>Albania</td>
<td>2.441,104</td>
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<tr>
<td>Serbia</td>
<td>15.763,082</td>
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**Bosnia and Herzegovina**

**Kosovo (under UNSCR 1244/99)**: 2.568,576

**Ukraine**: 4.896,069

**Georgia**: 

#### Problem of Timeliness

**[deadline: November]**

#### Coherence / break in data series

#### Completeness / coverage

**Specific problems – specific solutions**
Status of compliance with Regulation 1099/2008

Breakdown of energy consumption in households

2017 - Questionnaire transmitted by Albania, North Macedonia, Moldova, Serbia, (Kosovo*, Georgia, Ukraine in progress)

2016 - Albania, Georgia, Kosovo*, North Macedonia, Moldova, Serbia

Missing: Bosnia and Herzegovina, Montenegro

SHARES – by Albania, Kosovo*, North Macedonia, Montenegro, Serbia, [Moldova]

Monthly statistics: North Macedonia
Status of compliance with Regulation 2016/1952

Electricity:

Consumption bands for households per taxation level: all CPs

Consumption bands for non-households per taxation level – all CPS except Albania

Price components: Albania, Georgia and Ukraine do not comply

Natural Gas:

(Albania, Montenegro, Kosovo* have no access to NG network)

Consumption bands for households per taxation levels: all CPs

Consumption bands for non households per taxation level: all CPs

Price components: Georgia and Ukraine do not comply.
Opening Procedure for Non compliance

Quality reporting

Monthly statistics
- oil data [oil stocks]

Consumption in households

Price statistics
- price components

WHAT IS THE PROBLEM?

HOW DO YOU PLAN TO RESOLVE IT?
Support and assistance

Completed projects:

*Energy consumption in service sector* in Montenegro 2014

*Energy consumption in households* in FYR Macedonia 2015

*Survey on household energy consumption* in BiH 2015

*Energy consumption in Households* in Moldova 2016

*Energy consumption in households* in Georgia, 2017

Assistance for modelling energy consumption in households to

Bosnia and Herzegovina, FYR of Macedonia, Georgia, Kosovo*, Moldova

EU4Energy Data

Necessary new projects? Apply!
Energy Community approach

Support activities to obtain information in a sustainable manner

Support responsible national institutions

Revision of the targets and policy measures