

The background is a composite image. It shows a view of Earth from space, with the planet's curvature and dark oceans. Overlaid on this are numerous glowing blue lines that represent energy or data connections. These lines are curved and intersect, creating a network-like pattern across the globe. The lines are most prominent over the landmasses, particularly in Europe and North America.

2030 targets based on official statistics quality concerns

Milka Mumovic, electricity and statistics expert

<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

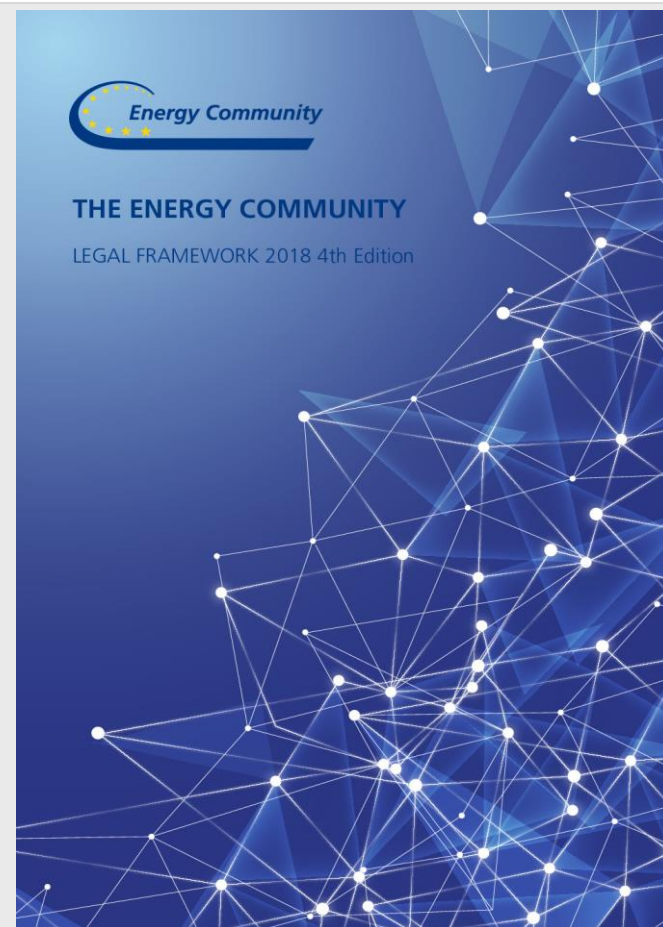
Energy Community legal framework



Treaty establishing the Energy Community

Statistical data

- Electricity
- Natural gas
- Oil
- Energy infrastructure
- Energy from renewable sources
- Energy efficiency
- Environment
- Climate



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

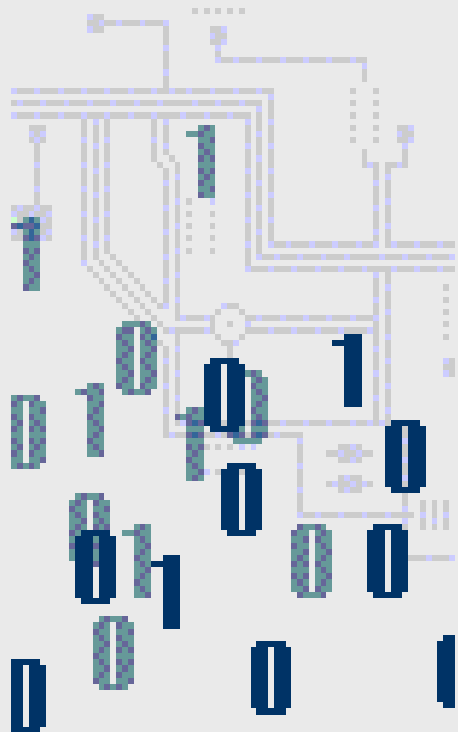


Contracting Parties shall ensure the quality of the data transmitted.

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

National statistic institute - entity responsible for official statistics

- National:

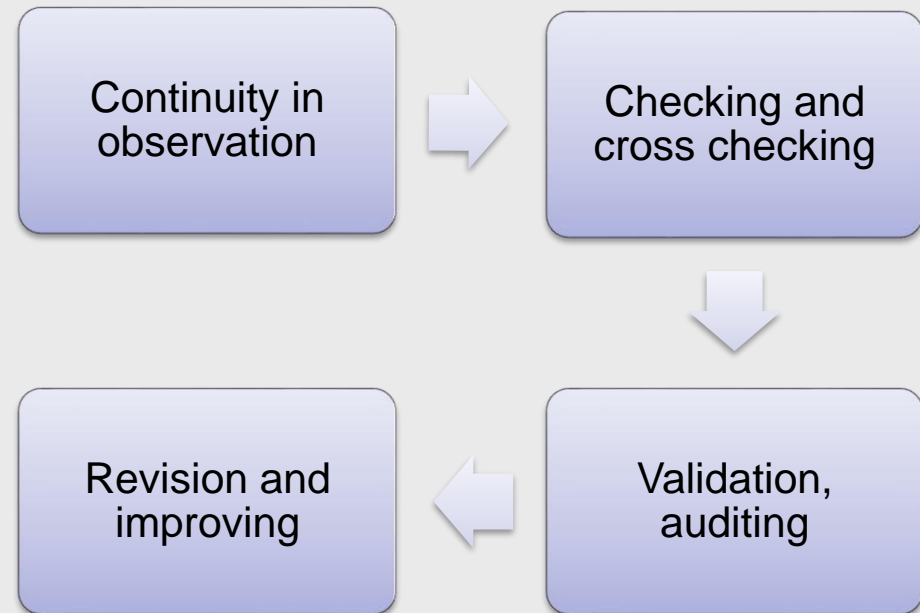
- Energy regulator,
- Administration in charge of energy (ministry, agencies for renewable energy, energy efficiency,
- Business associations, Consumers associations, Nongovernmental organisation.

- 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

Energy data may be reconciled with statistics in

- ✓ **Transport,**
- ✓ **Forestry,**
- ✓ **Agriculture,**
- ✓ **Environment**
- ✓ **...**



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 an 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***

Half yearly prices

- *of electricity*
- *of natural gas*

- *charged to households*
- *Charged to non-households*

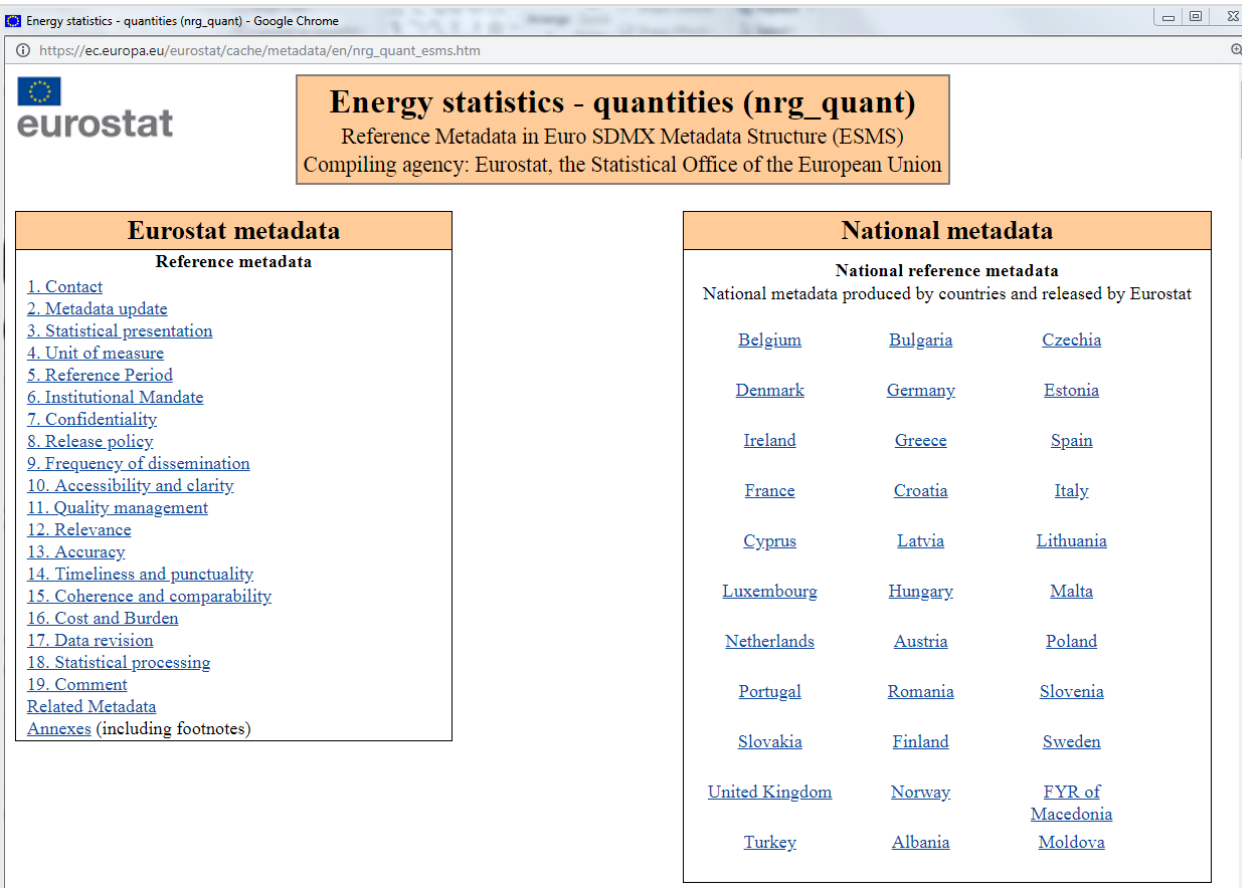
Per consumption bands

Per taxation level

Price components

- *energy,*
- *network*
- *taxes and levies*

Quality and quality reporting



The screenshot shows the Eurostat website page for 'Energy statistics - quantities (nrg_quant)'. The page title is 'Energy statistics - quantities (nrg_quant)' and it is described as 'Reference Metadata in Euro SDMX Metadata Structure (ESMS)'. The compiling agency is Eurostat, the Statistical Office of the European Union.

The page is divided into two main sections: 'Eurostat metadata' and 'National metadata'.

Eurostat metadata
Reference metadata

1. Contact
2. Metadata update
3. Statistical presentation
4. Unit of measure
5. Reference Period
6. Institutional Mandate
7. Confidentiality
8. Release policy
9. Frequency of dissemination
10. Accessibility and clarity
11. Quality management
12. Relevance
13. Accuracy
14. Timeliness and punctuality
15. Coherence and comparability
16. Cost and Burden
17. Data revision
18. Statistical processing
19. Comment

Related Metadata
[Annexes](#) (including footnotes)

National metadata
National reference metadata
National metadata produced by countries and released by Eurostat

Belgium	Bulgaria	Czechia
Denmark	Germany	Estonia
Ireland	Greece	Spain
France	Croatia	Italy
Cyprus	Latvia	Lithuania
Luxembourg	Hungary	Malta
Netherlands	Austria	Poland
Portugal	Romania	Slovenia
Slovakia	Finland	Sweden
United Kingdom	Norway	FYR of Macedonia
Turkey	Albania	Moldova

Quality reports transmitted :

- Albania,
- North Macedonia,
- Moldova

in process:

- Ukraine

Ready:

Bosnia and Herzegovina

Kosovo*

Montenegro

....

Simplified energy balances [nrg_bal_s]	
Last update	20.02.19
Extracted on	12.03.19
Source of data	Eurostat
NRG_BAL	Gross available energy
SIEC	Total
UNIT	Thousand tonnes of oil equivalent (TOE)
GEO/TIME	2017
Montenegro	1.037,765
North Macedonia	2.762,329
Albania	2.441,104
Serbia	15.763,082
Bosnia and Herzegovina	:
Kosovo (under UNSCR 1244/99)	2.568,576
Ukraine	:
Georgia	4.896,069

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

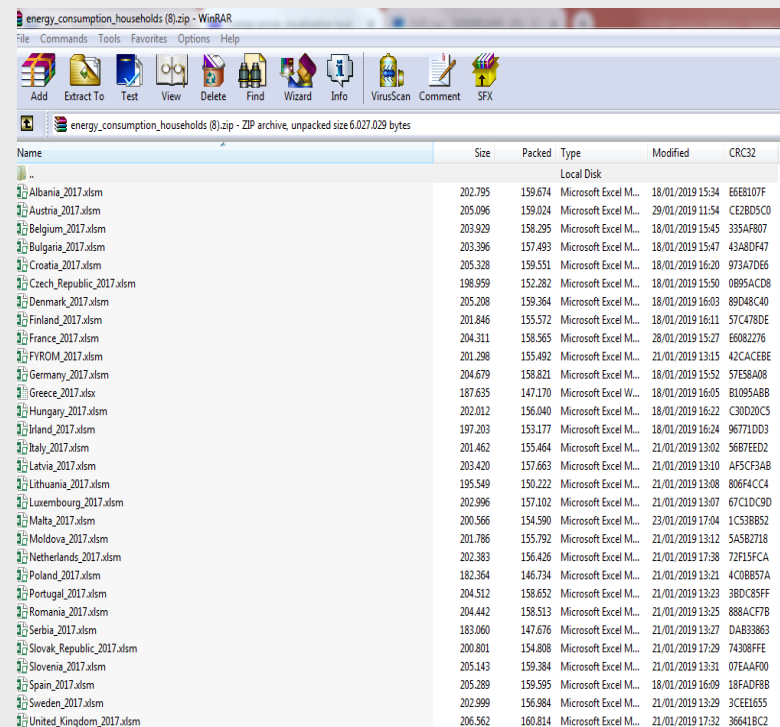
2017 -Questionnaire transmitted by Albania, North Macedonia, Moldova, Serbia, (Kosovo*,Georgia, Ukraine in progress)

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



Name	Size	Packed	Type	Modified	CRC32
Local Disk					
..					
Albania_2017.xlsx	202.795	159.674	Microsoft Excel M...	18/01/2019 15:34	6E6B107F
Austria_2017.xlsx	205.096	159.024	Microsoft Excel M...	29/01/2019 11:54	CE2B05C0
Belgium_2017.xlsx	203.929	158.295	Microsoft Excel M...	18/01/2019 15:45	355AF807
Bulgaria_2017.xlsx	203.396	157.493	Microsoft Excel M...	18/01/2019 15:47	43A8DFA7
Croatia_2017.xlsx	205.328	159.551	Microsoft Excel M...	18/01/2019 16:20	973A7D6E
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Denmark_2017.xlsx	205.208	159.364	Microsoft Excel M...	18/01/2019 16:03	80D48C40
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France_2017.xlsx	204.311	158.565	Microsoft Excel M...	28/01/2019 15:27	E6082276
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Germany_2017.xlsx	204.679	158.821	Microsoft Excel M...	18/01/2019 15:52	57E58A08
Greece_2017.xlsx	187.635	147.170	Microsoft Excel W...	18/01/2019 16:05	B1095ABB
Hungary_2017.xlsx	202.012	156.040	Microsoft Excel M...	18/01/2019 16:22	C30D20C5
Ireland_2017.xlsx	197.203	153.177	Microsoft Excel M...	18/01/2019 16:24	96771D03
Italy_2017.xlsx	201.462	155.464	Microsoft Excel M...	21/01/2019 13:02	56B7EED2
Latvia_2017.xlsx	203.420	157.663	Microsoft Excel M...	21/01/2019 13:10	A5FC3FAB
Lithuania_2017.xlsx	195.549	150.222	Microsoft Excel M...	21/01/2019 13:08	806F4C44
Luembourg_2017.xlsx	202.996	157.102	Microsoft Excel M...	21/01/2019 13:07	67C1DC9D
Malta_2017.xlsx	200.566	154.590	Microsoft Excel M...	23/01/2019 17:04	1C538B52
Moldova_2017.xlsx	201.786	155.792	Microsoft Excel M...	21/01/2019 13:12	5A5B2718
Netherlands_2017.xlsx	202.383	156.426	Microsoft Excel M...	21/01/2019 17:38	72F15FCA
Poland_2017.xlsx	182.364	146.734	Microsoft Excel M...	21/01/2019 13:21	4C0B857A
Portugal_2017.xlsx	204.512	158.652	Microsoft Excel M...	21/01/2019 13:23	38DC85FF
Romania_2017.xlsx	204.442	158.513	Microsoft Excel M...	21/01/2019 13:25	888ACFB7
Serbia_2017.xlsx	183.060	147.676	Microsoft Excel M...	21/01/2019 13:27	DAB33863
Slovak_Republic_2017.xlsx	200.801	154.808	Microsoft Excel M...	21/01/2019 17:29	74308FFE
Slovenia_2017.xlsx	205.143	159.384	Microsoft Excel M...	21/01/2019 13:31	07EAAF00
Spain_2017.xlsx	205.289	159.595	Microsoft Excel M...	18/01/2019 16:09	18FADF88
Sweden_2017.xlsx	202.999	156.984	Microsoft Excel M...	21/01/2019 13:29	3CEE1655
United_Kingdom_2017.xlsx	206.562	160.814	Microsoft Excel M...	21/01/2019 17:32	36641B2C

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.



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!

Support activities to obtain information in a sustainable manner



Support responsible national institutions



Revision of the targets and policy measures