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Reference Metadata in ESMS 2.0 structure

Statistical survey on business entities operating with geothermal water/energy (annual)

E_ENE.58_A_EN_2021_1

Reference Metadata in ESMS 2.0 structure

1	Contact
1.1	Contact organisation
State Statistical Office	
1.2	Contact organisation unit
Department for environmental statistics, energy and transport	
1.3	Contact name
Stojna Maneva	
Gjurgjica Miloshevska	
1.4	Contact person function
Senior Associate	
1.5	Contact mail address
Dame Gruev 4, 1000 Skopje, Republic of Macedonia	
1.6	Contact email address
stojna.maneva@stat.gov.mk	
gjurgjica.milosevska@stat.gov.mk	

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1.7	Contact phone number
3295-650	
3295-750	
1.8	Contact fax number
2	Metadata update
2.1	Metadata last certified
13/01/2022	
2.2	Metadata last posted
13/01/2022	
2.3	Metadata last update
13/01/2022	
3	Statistical presentation
3.1	Data description
Data on used geothermal heat/ water, own consumption, and losses.	
3.2	Classification system
National Classification of Activities - NKD.Rev.2; List of energy commodities and types of energy.	
3.3	Sector coverage
Section D - Electricity, gas, steam and air conditioning supply; Class 35.30, according to NKD Rev.2.	
3.4	Statistical concepts and definitions
Geothermal energy is exhausted from boreholes/springs. Energy available as heat exhaust from earth's crust usually appears in the form of hot water or heat.	

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3.5	Statistical unit
Statistical units: business entities that exploit geothermal energy/water and belong to Section D - Electricity, gas, steam and air conditioning supply; Class 35.30, according to NKD Rev.2. Statistical units: business entities that exploit geothermal energy/heat and do not belong to section D, but belong to sections: agriculture, manufacture, etc.	
3.6	Statistical population
Business subjects that exploit geothermal energy/water and belong to Section D - Electricity, gas, steam and air conditioning supply; Class 35.30, according to NKD Rev.2.	
3.7	Reference area
Republic of North Macedonia	
3.8	Time coverage
Since 1998 year.	
3.9	Base period
4	Unit of measure
GJ, 000' toe.	
5	Reference period
Year.	
6	Institutional mandate
6.1	Legal acts and other agreements

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National: Law on State Statistics ("Official Gazette of the Republic of Macedonia" No. 54/97, 21/07, 51/11, 104/13, 42/14, 192/15, 27/16, 83/18, 220/18 and 31/20) and Programme of Statistical Surveys 2018-2022 ("Official Gazette of the Republic of Macedonia" No. 22/18 and 224/18).

International: Regulation (EC) No 1099/2008 of the European Parliament and of the Council
Commission Regulation (EU) No 431/2014, amending Regulation (EC) No 1099/2008
Energy Statistics Methodology, Eurostat, 1998
Energy Statistics Manual, OECD/IEA/Eurostat, 2004
SHARES (SHort Assessment of Renewable Energy Sources) Tool Manual, Eurostat, 2015

6.2 Data sharing

Data are transmitted to IEA/Eurostat/UNECE with joint questionnaire JQ IEA - Eurostat - UNECE.

7 Confidentiality

7.1 Confidentiality - policy

Individual data are protected by the Law on State Statistics. Data collected with statistical surveys from the reporting units or indirectly from administrative or other sources are confidential data and are used only for statistical purposes. Results from the statistical processing may also generate information considered as confidential, for example: anonymised individual data, tables with low level of aggregation, as well as unreleased data. The Policy on Statistical Confidentiality contains the basic principles used in the SSO.

7.2 Confidentiality - data treatment

All individual or personal data, in each phase of statistical processing, are treated as confidential data and may be used only for statistical purposes. When releasing data from this survey at an aggregated level, there is no need for additional data treatment for the purpose of ensuring confidentiality.

8 Release policy

8.1 Release calendar

Data are released in accordance with the Release Calendar, which is published on the web site of the State Statistical Office. The Release Calendar is prepared annually before the beginning of each year and is updated quarterly.

8.2 Release calendar access

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Release calendar**8.3 User access**

In accordance with the dissemination policy, all users have equal access to statistical data at the same time. Data are released on the web site at the same time for all users, which are informed with the Release Calendar, and no user has privileged access.

9 Frequency of dissemination

Annually.

10 Accessibility and clarity**10.1 News release**

Annual news release: " Energy balances ".

10.2 Publications

Not Applicable

10.3 On-line database

MAKStat database available on the State Statistical Office website.

makstat database

10.4 Micro-data access

According to the Law on State Statistics (Article 41) and the Policy on Access to Anonymised Microdata for scientific purposes, data collected for the purpose of official statistics may be used for scientific purposes if there is no risk of direct or indirect identification, i.e. disclosure of data individuality. Access to microdata is possible only in the safe room at the SSO, based on a submitted and approved request and a signed agreement. http://www.stat.gov.mk/ZaNas_en.aspx?id=22

10.5 Other

Survey data are sent to Eurostat and they are released on the web site of this institution.

10.6 Documentation on methodology

The methodological explanations are available on the State Statistical Office website. http://www.stat.gov.mk/MetodoloskiObjasSoop_en.aspx?id=64&rbrObl=21

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10.7	Quality documentation
11	Quality management
11.1	Quality assurance
	The commitment of the SSO to ensuring quality of products and services is described in the Law on State Statistics, the Strategy of the State Statistical Office and the Quality Policy of the State Statistical Office , as well as in the continuous efforts for harmonisation with the European Statistics Code of Practice. The main aspects and procedures for quality management in the phases and sub-phases of the Statistical Business Process Model, as well as the good practices for ensuring quality are documented in the internal document called "Guide for ensuring quality of statistical processes". Input and output metadata, as well as relevant quality indicators for certain sub-processes are described in the document "Guide for survey managers".
11.2	Quality assessment
12	Relevance
12.1	User needs
	The data are used by governmental and scientific institutions, as well as by business community for: preparation of planned balance for next year, preparation of long term strategies related to energy needs and its share in planned consumption on national level, analysis of use of renewable sources, calculation of share of renewable sources in total consumption on national level, etc.
12.2	User satisfaction
	The State Statistical Office conducts the User Satisfaction Survey at the domain level.
12.3	Completeness
	Concerning the indicators required by the Regulation (EC) No. 1099/2008, the SSO provides about 95%.
13	Accuracy and reliability
13.1	Overall accuracy

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Data accuracy is ensured by working on decreasing sampling and/or non-sampling errors, as well as with additional data comparisons and analysis before dissemination.

13.2 Sampling error

Not applicable (survey is with total coverage).

13.3 Non-sampling error

Coverage errors: 100% coverage is provided. Providers of data are reminded on time to fulfil their obligation.

Processing errors: Rules for control and calculations of output are implemented in the application for processing.

Non response errors: As full coverage is ensured, there are no non-response errors.

14 Timeliness and punctuality

14.1 Timeliness

T+290.

14.2 Punctuality

Data are disseminated within the established deadlines in accordance with the Release Calendar.

15 Coherence and comparability

15.1 Comparability - geographical

Data are released at national level. Comparability is ensured at international level.

15.2 Comparability - over time

Since 1998 there is no gap in the time series.

15.3 Coherence - cross domain

Data are coherent between different parts of energy statistics. Cross-domain coherence is ensured in part.

15.4 Coherence - internal

Internal coherence of data is ensured.

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16	Cost and burden
17	Data revision
17.1	Data revision - policy
In accordance with the Statistical Data Revision Policy .	
17.2	Data revision - practice
Data are published as preliminary and final (revised) data. Data were revised in 2016 for the period 2005-2014. In revised energy balances are implemented results from the Survey on energy consumption in households, 2014.	
18	Statistical processing
18.1	Source data
"This statistical survey is with full coverage. Statistical survey ""Annual survey on business entities operating with geothermal water/energy (ENE.58) is fill in by business entities that belong to Section D; Class 35.30, in accordance with NKD Rev.2. Updating of the coverage is carried out annually."	
18.2	Frequency of data collection
Annually.	
18.3	Data collection
"Data on geothermal water/heat are collected by the statistical survey ""Annual survey on business entities operating with geothermal water/heat"" (ENE.58). Business entities fill in data and send the completed forms to the SSO, at latest 25 days from the end of reference period."	
18.4	Data validation
Data validation is made in accordance with defined control criteria. Data control is carried out before and after data entry. For any inconsistencies in data, contact is made with the reporting unit. Final results are also under control before publishing.	
18.5	Data compilation

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Editing: The data received from businesses entities, after verification and correction in consultation with the reporting units, are entered in an electronic application with integrated on-line controls. Imputations: Balances by energy products and energy balances are processed in accordance with scheme in Joint Questionnaires of IEA/Eurostat/UNECE.

18.6 Adjustment

No data adjustment is made.

19 Comment**A.1 Annexes**

State Statistical Office