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Reference Metadata in ESMS 2.0 structure

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

E\_ENE.8\_M\_EN\_2022\_12

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<b>1</b>	<b>Contact</b>
<b>1.1</b>	<b>Contact organisation</b>
State Statistical Office	
<b>1.2</b>	<b>Contact organisation unit</b>
Department for environmental statistics, energy and transport	
<b>1.3</b>	<b>Contact name</b>
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Senior Associate	
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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**

ENE.8 Monthly survey on business entities operators of geothermal heat/ water collect data for used geothermal water, its technical characteristics, used geothermal energy, losses etc.

**3.2 Classification system**

National Classification of Activities Rev.2; List of energy commodities and types of energy.

**3.3 Sector coverage**

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B- mining and quarrying, C - manufacturing industry, D - electricity supply, F - construction;

### 3.4 Statistical concepts and definitions

The collected data are presented in the form of energy balances. The structure and categories contained in the balance sheet are in accordance with the EU Regulation on energy statistics.

### 3.5 Statistical unit

business entities that exploit geothermal heat/water

### 3.6 Statistical population

business entities that exploit and distribute geothermal water/heat

### 3.7 Reference area

Republic of North Macedonia

### 3.8 Time coverage

Since January 2005.

### 3.9 Base period

## 4 Unit of measure

GJ, '000 toe.

## 5 Reference period

Month.

## 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 submitted in 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**

Month.

**10 Accessibility and clarity****10.1 News release**

Monthly news release: " Energy."

**10.2 Publications****10.3 On-line database**

MAKSTAT database available on web page on SSO.

**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.

**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**

Methodological explanations are published on web page of SSO.

## 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 business community for : preparation of planned balances for next year, for preparation of longterm strategies related to energy needs and its share in planned consumption on national level, analysis of use of renewable sources, share of renewables in total consumption in the country, 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. Data providers, on time are reminded to fulfill its obligations. Processing errors: In processing are implemented control rules and calculations of output data. Non response errors: Regarding provided complete coverage, there isn't non response errors.

## 14 Timeliness and punctuality

### 14.1 Timeliness

T+ 55.

### 14.2 Punctuality

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

## 15 Coherence and comparability

### 15.1 Comparability - geographical

There is geographical comparability of the released data at national level. With respect to geographical comparability with other EU countries, it is also ensured because data are collected in line with EU regulations.

### 15.2 Comparability - over time

Time series since 2005 and there is no break in 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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<b>16</b>	<b>Cost and burden</b>
<b>17</b>	<b>Data revision</b>
<b>17.1</b>	<b>Data revision - policy</b>
Revision of data is in accordance with the <a href="#">Statistical Data Revision Policy</a> .	
<b>17.2</b>	<b>Data revision - practice</b>
Data are published as preliminary and final (revised) data.	
<b>18</b>	<b>Statistical processing</b>
<b>18.1</b>	<b>Source data</b>
reporting units	
<b>18.2</b>	<b>Frequency of data collection</b>
<b>18.3</b>	<b>Data collection</b>
in to SSO through regional departments of statistics	
<b>18.4</b>	<b>Data validation</b>
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.	
<b>18.5</b>	<b>Data compilation</b>
Editing: Received data from business subjects, after checking and eventual correction in consultations with reporting units, are entered on electronic media, over application with built-in online controles. Imputations: Monthly energy statistics are processed in accordance with scheme in Joint Questionnaires of IEA/Eurostat/UNECE.	
<b>18.6</b>	<b>Adjustment</b>

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No data adjustment is made.

<b>19</b>	<b>Comment</b>
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<b>A.1</b>	<b>Annexes</b>
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