

## Metadata in Euro-SDMX format (ESMS)

**Country:** Ellas

**Compiling agency:** ELSTAT

**Domain name:** SURVEY ON THE ENERGY CONSUMPTION IN HOUSEHOLDS, 2011-2012

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1. Contact <a href="#">Top</a>	
1.1 Contact organisation	HELLENIC STATISTICAL AUTHORITY
1.2 Contact organisation unit	POPULATION STATISTICS AND LABOUR MARKET DIVISION
1.3 Contact name	1.Ntouros Georgios 2.Chalkiadaki Maria
1.4 Contact person function	1. Unit Head In charge of the whole project/survey (survey conduct, design of questionnaires, guidelines and other documents, database

	management, data dissemination, etc.)
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<b>2. Metadata update</b> <a href="#">Top</a>	
<b>2.1 Metadata last certified</b>	
<b>2.2 Metadata last posted</b>	
<b>2.3 Metadata last update</b>	

<b>3. Statistical presentation</b> <a href="#">Top</a>	
<b>3.1 Data description</b>	
<p>The Survey on Energy Consumption in Households-SECH is a statistical survey selecting from a representative sample of households detailed data on the type of final energy (heating / cooling, air-conditioning, lightning, cooking, running hot water, electric appliances), as well as on energy sources (liquid and solid fuels, electricity, renewable sources) used by the households, in relation the their demographic and financial characteristics.</p> <p>The survey was a pilot one conducted during October 2011 - September 2012, in the framework of a European grant. Energy data are being collected according to revised Regulation (EC) 1099/2008 on energy statistics, more specifically data concerning energy consumption in the domestic sector, by final use, will arise from 2015 onwards, from the Household Budget Survey, through additional questions and ad hoc module asked every second year.</p>	
<b>3.2 Classification system</b>	
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<b>3.3 Sector coverage</b>	
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<b>3.4 Statistical concepts and definitions</b>	
<p><b>1. Dwelling</b></p> <p>As dwelling is considered a separate and independent structure which has been built or converted to cover the habitation needs of a family (household). Besides, as dwelling is also considered every space neither constructed nor converted for purpose of habitation, used, however, as a dwelling during the reference period.</p> <p>As dwelling is <i>not</i> considered the space which is solely used for other purposes (i.e. office, warehouse, collective household, laboratory etc.)</p>	
<b>2. Household</b>	
<p><b>Household</b></p> <p>Household is defined as either one person living alone or a group of persons, not necessarily related, living at the same address with common housekeeping –i.e. sharing a meal on most days or sharing a living or sitting room etc.</p>	
<p><b>3. Household members</b></p> <p>Persons consisting the household are household members. They usually reside in the household or may be temporarily away from home.</p> <p><b>Present member</b> will be considered every person which stayed during last 6 months in the household, spending most hours of the day and night in the specific dwelling.</p>	

**Person temporarily away** from the household will be considered the member of the household, who is absent during the survey conduct, either being in another private household or in a collective household (e.g. hospital, elderly home, etc.). These persons will be considered household members according to conditions specified in the guidelines.

### 3.5 Statistical unit

Households.

### 3.6 Statistical population

The survey covers all private households of the country, irrespective of their size or their socio – economic characteristics.

The following cases are excluded:

- Collective households, such as hotels, hospitals, elderly homes, camps, reformatories, etc. Collective households will also be considered the dwellings with more than 5 lodgers.
- Households with foreign citizens serving in diplomatic missions.

### 3.7 Reference area

Country

### 3.8 Time coverage

The survey was pilot conducted during October 2011-September 2012.

### 3.9 Base period

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## 4. Unit of measure

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Percentage % of households

## 5. Reference period

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Reference period for energy data are winter months (October 2011 – April 2012) and summer months (May 2012 - September 2012) as well as winter and summer months before the survey conduct (October 2010 - April 2011) and (May 2011 - September 2011), respectively.

## 6. Institutional mandate

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### 6.1 Legal acts and other agreements

The legal framework concerning the organization and operation of ELSTAT is as follows:

- Law 3832/2010 (Government Gazette No 38, Issue A): "*Hellenic Statistical System Establishment of the Hellenic Statistical Authority (ELSTAT) as an Independent Authority*", as amended by article 90 paragraphs 8 and 9 of the Law 3842/2010 (Government Gazette No 58, Issue A): "*Restoration of fiscal justice, confrontation of tax evasion and other provisions*", by article 10 of the Law 3899/2010 (Government Gazette No 212, Issue A): "*Urgent measures for the implementation of the assistance program of the Greek Economy*", by article 45 of the Law 3943/2011 (Government Gazette No 66, Issue A): "*Combating tax evasion, staffing of auditing services and other provisions falling within the competence of the Ministry of Finance*", by article 22 paragraph 1 of the Law 3965/2011 (Government Gazette No 113, Issue A): "*Operations Reform of the Consignment and Loan Fund, Public Debt Management Agency, Public Enterprises and Government bodies, the establishment of the General Secretary of Public Property and other provisions*" and by article 51 of the Law 4021/2011 (Government Gazette No 218, Issue A): "*Enhanced measures for the supervision and restructuring of Credit Institutions – Regulation of issues of financial nature – Ratification of the European Financial Stability Facility (EFSF) Framework-Agreement and its amendments and other provisions.*"
- Regulation (EC) No 223/2009 of the European Parliament and of the Council, on the European statistics (Official Journal of the European Union L 87/164).
- Article 14 of the Law 3470/2006 (Government Gazette No 132, Issue A): "*National Export Council, tax regulations and other provisions*".

- Article 3, paragraph 1c, of the Law 3448/2006 (Government Gazette No 57, Issue A): *"For the further use of information coming from the public sector and the settlement of matters falling within the responsibility of the Ministry of Interior, Public Administration and Decentralization"*.
- European Statistics Code of Practice, adopted by the Statistical Programme Committee on 24 February 2005 and promulgated in the Commission Recommendation of 25 May 2005 on the independence, integrity and accountability of the national and Community statistical Authorities, after its revision, which was adopted on 28 September 2011 by the European Statistical System Committee.
- Presidential Decree 226/2000 (Government Gazette No 195, Issue A): *"Organization of the General Secretariat of the National Statistical Service of Greece"*.
- Articles 4, 8, 9, 10, 12, 13, 14, 15 and 16 of the Law 2392/1996 (Government Gazette No 60, Issue A): *"Access of the General Secretariat of the National Statistical Service of Greece to administrative sources and administrative files, Statistical Confidentiality Committee, settlement of matters concerning the conduct of censuses and statistical works, as well as of matters of the General Secretariat of the National Statistical Service of Greece"*.

The survey is a pilot one conducted in the framework of a European grant. From 2015 onwards, energy data by final use for the domestic sector will be collected according to revised Regulation (EC) 1099/2008 on energy statistics from the Household Budget Survey.

## 6.2 Data sharing

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## 7. Confidentiality

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### 7.1 Confidentiality policy

The issues concerning the observance of statistical confidentiality by the Hellenic Statistical Authority (ELSTAT) are governed by articles 6, 7 and 8 of the Law 3832/2010, as amended by article 90 paragraph 8 of Law 3842/2010 and by article 10 of Law 3899/2010, as well as by article 8 of Law 2392/1996, which was brought back into force, in accordance with article 90 paragraph 8 of Law 3842/2010.

Furthermore, ELSTAT disseminates the statistics in compliance with the statistical principles of the European Statistics Code of Practice and in particular with the principle of statistical confidentiality.

### 7.2 Confidentiality – data treatment

- ELSTAT protects and does not disseminate data it has obtained or it has access to, which enable the direct or indirect identification of the statistical units that have provided them by the disclosure of individual information directly, received for statistical purposes, or indirectly, supplied from administrative or other sources. ELSTAT takes all appropriate preventive measures so as to render impossible the identification of individual statistical units by technical or other means that might reasonably be used by a third party. Statistical data that could potentially enable the identification of the statistical unit are disseminated by ELSTAT if and only if:
  - a) these data have been treated, as it is specifically set out in the Regulation on Statistical Obligations of the agencies of the Hellenic Statistical System (ELSS), in such a way that their dissemination does not prejudice statistical confidentiality or
  - b) the statistical unit has given its consent, without any reservations, for the disclosure of data.
- The confidential data that are transmitted by ELSS agencies to ELSTAT are used exclusively for statistical purposes and the only persons who have the right to have access to these data are the personnel engaged in this task and appointed by an act of the President of ELSTAT.
- Issues referring to the observance of statistical confidentiality are examined by the Statistical Confidentiality Committee (SCC) operating in ELSTAT. The responsibilities of this Committee are to recommend on:
  - the level of detail at which statistical data can be disseminated, so as the identification, either directly or indirectly, of the surveyed statistical unit is not possible;
  - the anonymization criteria for the microdata provided to users;
  - the granting to researchers access to confidential data for scientific purposes.

<b>8. Release policy</b>	<a href="#">Top</a>
<b>8.1 Release calendar</b>	
Press released was announced in 29 October 2013.	
<b>8.2 Release calendar access</b>	
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<b>8.3 User access</b>	
Users are informed on data release dates through ELSTAT's website. The equal access of users to data is governed by the European Statistics Code of Practice.	

<b>9. Frequency of dissemination</b>	<a href="#">Top</a>
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<b>10. Dissemination format</b>	<a href="#">Top</a>
<b>10.1 News release</b>	
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<b>10.2 Publications</b>	
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<b>10.3 On-line database</b>	
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<b>10.4 Micro-data access</b>	
The microdata of the survey are available to users, upon request submitted to the Department of Statistical Information Dissemination (e-mail: <a href="mailto:datadissem@statistics.gr">datadissem@statistics.gr</a> )	
<b>10.5 Other</b>	
<a href="http://dlib.statistics.gr/portal/page/portal/ESYE/">http://dlib.statistics.gr/portal/page/portal/ESYE/</a>	

<b>11. Accessibility of documentation</b>	<a href="#">Top</a>
<b>11.1 Documentation on methodology</b>	
Basic methodological information on the survey (in Greek) is included in the survey's guidelines (Greek document), posted on the website of ELSTAT, at: <a href="http://www.statistics.gr/portal/page/portal/ESYE/BUCKET/A0805/Other/A0805_SFA40_MT_5Y_00_2012_00_2012_02_F_GR.pdf">http://www.statistics.gr/portal/page/portal/ESYE/BUCKET/A0805/Other/A0805_SFA40_MT_5Y_00_2012_00_2012_02_F_GR.pdf</a> Detailed methodological information is included in the survey's Quality Report. <a href="http://www.statistics.gr/portal/page/portal/ESYE/BUCKET/A0805/Other/A0805_SFA40_MT_5Y_00_2012_00_2012_03_F_EN.pdf">http://www.statistics.gr/portal/page/portal/ESYE/BUCKET/A0805/Other/A0805_SFA40_MT_5Y_00_2012_00_2012_03_F_EN.pdf</a>	
<b>11.2 Quality documentation</b>	
Quality documentation is included in the survey's Quality Report.	

<b>12. Quality management</b>	<a href="#">Top</a>
<b>12.1 Quality assurance</b>	
The quality of the survey has been assured by the existence of methodological guidelines from ESTAT and by the implementation of the European Statistics Code of Practice.	
<b>12.2 Quality assessment</b>	
Quality assessment is carried out by ELSTAT. Although the survey is pilot, the samples' size allows results representative for the reference population. Additionally all necessary steps are taken so as to make all appropriate checks and minimize measurement errors in data collection.	

<b>13. Relevance</b>	<a href="#">Top</a>
<b>13.1 User needs</b>	
Among the basic users of energy data are Ministry of Environment and supervised agencies, researchers, etc.	
<b>13.2 User satisfaction</b>	
The Department of Statistical Information and Dissemination of ELSTAT conducts a survey on users' satisfaction. <a href="http://www.statistics.gr/portal/page/portal/ESYE/BUCKET/General/library_news_letter.pdf">http://www.statistics.gr/portal/page/portal/ESYE/BUCKET/General/library_news_letter.pdf</a>	
<b>13.3 Completeness</b>	
Since the survey was conducted for the first time its completeness is considered satisfactory as covering all requirements of projects' grant.	

<b>14. Accuracy and reliability</b>	<a href="#">Top</a>
<b>14.1 Overall accuracy</b>	
The survey is sample survey thus sampling errors exist. Also non sampling errors exist (due to non response, measure errors, etc.) being traced and corrected.	
<b>14.2 Sampling error</b>	
Measuring errors have not been calculated as being a pilot survey, with basic target to test questions from which energy data for the domestic sector will be collected in the future.	
<b>14.3 Non-sampling error</b>	
Quality report <a href="http://www.statistics.gr/portal/page/portal/ESYE/BUCKET/A0805/Other/A0805_SFA40_MT_5Y_00_2012_00_2012_03_F_EN.pdf">http://www.statistics.gr/portal/page/portal/ESYE/BUCKET/A0805/Other/A0805_SFA40_MT_5Y_00_2012_00_2012_03_F_EN.pdf</a>	

<b>15. Timeliness and punctuality</b>	<a href="#">Top</a>
<b>15.1 Timeliness</b>	
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<b>15.2 Punctuality</b>	
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<b>16. Comparability</b>	<a href="#">Top</a>
<b>16.1 Comparability - geographical</b>	
Common definitions of variables and methods of data production are applied in all the geographic regions of the country and in all EU countries, therefore, no geographical comparability problem exists.	
<b>16.2 Comparability over time</b>	
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<b>17. Coherence</b>	<a href="#">Top</a>
<b>17.1 Coherence cross-domain</b>	
Statistically significant differences have not been observed in the results of common variables published from the survey and also exist in other ELSTAT surveys (HBS).	
<b>17.2 Coherence - internal</b>	
The common variables of the survey with those of HBS do not present statistically significant differences.	

## 18. Cost and burden

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The burden mostly concerns the time required to get the information from the surveyed households/ individuals. Nevertheless, it seems not possible to lighten this burden.

## 19. Data revision

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### 19.1 Revision policy

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### 19.2 Revision practice

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## 20. Statistical processing

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### 20.1 Source data

The survey is a sampling one conducted in approximately 3.600 households in total country (sampling fraction 0,08%). The two-stage stratified sampling method was adopted for the survey with primary sampling unit the area (one or two continuous blocks) and ultimate unit the household.

For the selection of sampling units (areas) in each NUTS 2 region are divided in 3 strata according to the urbanization degree (urban, semi-urban, rural) of the Municipal / Local communities at which the areas belong. Areas of Greater Athens and of former department of Thessaloniki are divided into 31 and 9 homogeneous clusters, respectively, according to socio-economic characteristics of Municipals included. Total clusters are 79.

In the first stage of selection in each stratum a sample of units is selected with equal probability, according to their size (number of households according to Census 2011) and the sampling frame used comes from the Census 2001. Total sampling areas are 612.

In the ultimate stage of selection in each area selected, the sample of households is common with that of the HBS, being selected with equal probabilities from the updated sampling frame.

### 20.2 Frequency of data collection

Pilot survey

### 20.3 Data collection

The method of collection is personal interview with printed questionnaires (PAPI).

### 20.4 Data validation

Data validation is carried out by qualitative and quantitative tests based on comparisons of key variables with variables / data of other statistical sources (e.g. HBS)

### 20.5 Data compilation

For grossing up procedure please consult the Quality Report.

[http://www.statistics.gr/portal/page/portal/ESYE/BUCKET/A0805/Other/A0805\\_SFA40\\_MT\\_5Y\\_00\\_2012\\_00\\_2012\\_03\\_F\\_EN.pdf](http://www.statistics.gr/portal/page/portal/ESYE/BUCKET/A0805/Other/A0805_SFA40_MT_5Y_00_2012_00_2012_03_F_EN.pdf)

### 20.6 Adjustment

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## 21. Comment

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