

User oriented quality report

Survey on Energy Consumption in Households, 2011-2012

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.

The survey was a pilot one conducted during October 2011 - September 2012, in the framework of a European grant. Energy data according to revised Regulation (EC) 1099/2008 on energy statistics, will arise from 2015 onwards, from the Household Budget Survey, through additional questions and ad hoc module asked every second year.

The survey is conducted by face to face interview, to all private households throughout the country, irrespective of their size or socioeconomic characteristics.

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.
- Dwellings with more than 5 lodgers.
- Households with foreign citizens serving in diplomatic missions.

The survey is a sampling one conducted in a sample of 3.643 households in the country (sampling fraction 0,085%). The two-stage stratified sampling method was applied with primary sampling unit the area (one or more unified blocks) and ultimate the household.

In each Region (NUTS 2), the stratification of primary units was conducted by allocating the Municipalities and Communes according to the degree of urbanization (urban, semi-urban, and rural regions). Except for the two Major City Agglomerations (Athens and Thessaloniki) the produced strata according to the degree of urbanization are:

Urban	Stratum	1	Municipal Communities with 10.000 inhabitants or more
Semi-urban	"	2	Municipal and Local Communities with 2.000 to 9.999 inhabitants
Rural	"	3	Local Communities up to 1.999 inhabitants

The Greater Athens Area was divided into 31 strata of about equal size (equal number of households) on the basis of the lists of city blocks of the Municipalities that constitute it and taking into consideration socio-economic criteria. Similarly, the Greater Thessaloniki Area was divided into 9 equally sized strata. The two Major City Agglomerations account for 40% of total population and for even larger percentages in certain socio-economic variables. The total number of strata is equal to 79.

In the first stage of sampling, from any stratum primary units are drawn, with probability proportional to their size (number of households according to the general population census of the year 2001) from the sampling frame drawn from census 2001 data. Total number of primary sampling units are 612 areas.

In the final stage in each selected area the sample of households is common with the sample of the Household Budget Survey, selected with equal probabilities from the updated sampling frame.

More information (press release, guidelines, etc.) on the survey can be found in ELSTAT's website www.statistics.gr / Statistical Themes / Income – Expenditure – Energy consumption in households.