

## METHODOLOGICAL NOTES

- 1. Data source** for the production of electricity in classic power stations (including biomass) and hydropower stations is represented by the Monthly statistical survey on short-term indicators in industry (IND TS) and the Monthly statistical survey on the production of electric and thermal energy (IND E), in compliance with Council Regulation no. 1165/1998, the Regulation of the European Parliament and of the Council no. 1158/2005 and the European Commission Regulation no. 1503/2006 on short-term statistics. C.N. TRANSELECTRICA S.A. supplies data on the production of electricity in wind power stations and photovoltaic power stations. As for the nuclear heat, primary energy means the energy of fissionable material corresponding to the achieved production (considering a station yield of 35.11%).

**The electric energy balance** is drawn up based on the data concerning the production and consumption in economy, as well as on those supplied by C.N. TRANSELECTRICA S.A. and by commercial companies distributing the electric energy and refers to the electricity consumption for public lighting, population consumption and the own technological consumption in networks and stations.

- 2. The statistical survey IND TS is based on sampling.** The sampling type in use and the way of sample taking over is the one of stratified sampling with simple random selection without recurrence within each layer, where the stratification variables are represented by: the economic activity and the size class of the enterprise in terms of the employees' number. Due to the needs of results comparability by group of homogeneous activities and at enterprise level from one period to another, the category of economic operators with high economic potential (50 employees and over) is exhaustively surveyed. The basis of sample selection ensures a 99.1% representativeness calculated based on turnover of total number of active units for the activities of coal mining and preparation and for hydrocarbons extraction and annex services and of 95.4% for the activities of crude oil processing, coal coking and nuclear fuels treatment and of electricity production. Data are collected from about 150 economic operators carrying out primary and transformed energy production. The maximum admissible error of estimations is  $\pm 3\%$ .

**The statistical survey IND E is exhaustive.**

- 3. Data on international trade in goods** are obtained as follows:

- for the extra-community trade from the General Directorate of Customs (GDC) within the National Agency for Fiscal Administration which carries out the collection and processing of exports and imports custom declarations (Extrastat Statistical System);
- for the intra-community trade, based on Intrastat statistical declarations collected by INS from economic operators which performed intra-community exchanges of goods (in compliance with Law No. 422/2006) and based on custom declaration related to intra-community commercial exchanges supplied by GDC (Intrastat Statistical System);
- for electricity and natural gas, network operators (C.N. Transelectrica S.A. and SNTGN Transgaz S.A.) provide quantitative data.

Imports and exports do not include the physical quantities of electricity in transit over the national territory.

- 4. Data for the current period are provisional and could be further revised** based on rectifications retroactively done by the economic operators included in the sample.