

SOURCES OF EMISSIONS

1. Purpose, essence and purpose

The main purpose of the statistical survey is to provide information on the sources of emissions of harmful substances into the atmosphere. The amount of harmful substances emitted depends both on the amount of fuels used, raw materials used in the production process and the produced products, and on the level of the used technologies.

Data on emissions of harmful substances into the atmosphere are based on information from the National Statistical Institute and the Executive Environment Agency (EEA) at the Ministry of Environment and Water (MoEW). The EMEP / EEA air pollutant emission inventory guidebook 2019 (replaced by the old CORINAIR manual) of the European Environment Agency was used to collect the primary information and calculate the emissions of harmful substances¹.

2. Periodicity, scope and units of observation

The survey on sources of the emissions is annual and is conducted with a questionnaire completed by all economic subjects which composition of activities includes:

- processes for production of heat and electricity (covered by the consumed fuels);
- combustion processes in the industry (covered by the consumed fuels, the used raw materials and /or the produced products);
- production processes (covered by consumed raw materials and/or materials, manufactured products, etc.).

The list of these processes, and the units of measure in which data are completed, is given in the accompanying form "Nomenclature of sources of emissions into the atmosphere".

Emissions are estimated by using a the balance method on the basis of the following parameters: fuel consumed, Sulfur content, calorific value, quantity of produced output, input raw materials and/or materials, as well as emission factors applicable for the respective technologies, treatment facilities and pollutants.

Data on emissions by industrial regions, in which the major sources of pollution are concentrated, include data only for industrial combustible (including heating of public and factory buildings) and industrial processes.

3. Deadlines and ways for dissemination of the survey results

The deadlines for dissemination of the results of the statistical survey about sources of emissions in the air is specified in the Calendar for presentation of the results of the statistical surveys carried out by the National Statistical Institute. The data are published once a year - final data. The results of the study are published on the website of NSI - www.nsi.bg and in the following publications:

- Statistical Yearbook Publication;
- "Statistical Reference Book";
- "Environment";
- Bulgaria Brochure.

¹ To distinguish between the guide for calculating emissions of harmful substances into the atmosphere of the European Environment Agency "EMEP / EEA air pollutant emission inventory guidebook 2019" under the Convention on Long-range Transboundary Air Pollution and the guide "IPCC Guidelines for National Greenhouse Gas Inventories" for calculating greenhouse gas emissions under the UN Framework Convention on Climate Change