



METHODOLOGICAL EXPLANATION

NAMEA – AIR EMISSIONS, SLOVENIA

This methodological explanation relates to the data releases:

- Air Emission Accounts, Slovenia, annually (First Release)

Content:

1. PURPOSE
2. LEGAL BASIS
3. UNIT DESCRIBED BY THE PUBLISHED DATA
4. SELECTION OF OBSERVATION UNIT
5. SOURCES AND METHODS OF DATA COLLECTION
6. DEFINITIONS
7. EXPLANATIONS
8. PUBLISHING
9. REVISION OF THE DATA
10. OTHER METHODOLOGICAL MATERIALS

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1 PURPOSE

The purpose of data publication NAMEA – Air Emissions is display of data on emissions, emitted into air by industry and households.

Key statistics are emissions of greenhouse gasses and other air pollutants, allocated by source. Those statistics are: e.g. amount of CO₂ emissions in air transport, amount of NO_x emissions in manufacturing etc.

2 LEGAL BASIS

- [Annual Programme of Statistical Surveys \(LPSR\)](#) (only in Slovene),
- [National Statistics Act](#) (OJ RS, No. 45/95 and 9/01),
- Regulation (EC) No 691/2011 of the European Parliament and of the Council on European environmental economic accounts (CELEX: 32011R0691).

Published data are fully comparable with data, which are published by Eurostat for EU and EFTA countries.

3 UNIT DESCRIBED BY THE PUBLISHED DATA

Units described by published data are air emissions, emitted from industry, divided by economical activities based on NACE classification and households. Units are expressed in Mega grams (Mg) and Giga grams (Gg).

Data on amounts of HFC, PFC and SF₆ emissions are expressed in CO₂ equivalents.

4 SELECTION OF OBSERVATION UNIT

The coverage is complete; i.e. all business units (divided by NACE classification) and households are covered, based on residence principle. This means that data covers all emissions on national area, emitted by Slovenian citizens and emissions emitted by Slovenian citizens abroad (e.g. tourists, transportation business units).

5 SOURCES AND METHODS OF DATA COLLECTION

Included are data collected for reporting to the United Nations Framework Convention on Climate Change UNFCCC (IPCC) and the Convention on Long Range Transboundary Air Pollution CLRTAP (EMEP / CORINAIR). These data, based on territory principle (gasses and pollutants emitted within national territory) and generally not divided by NACE classification, are collected by Slovenian Environment Agency (ARSO). SURS carry out the conversion of data from NFR to NACE classification and from territory to residence principle.

For the purpose of the emissions allocation by NACE activities the data from supply and use tables (input-output tables, supply and use tables (ESR 2010)) are used. In order to adjust data to residence principle the data on traffic and transportation is used (i.e. data on registered road vehicles, average distance travelled and fuel consumption

of passenger cars). These data are collected with other surveys, also published on SURS Web Pages and SI-STAT Data Portal. Methodological explanations on these surveys are available via links listed in chapter “Other Methodological Materials.”

6 DEFINITIONS

NAMEA is National Accounting Matrix including Environmental Accounts.

UNFCCC is United Nations Framework Convention on Climate Change.

IPCC is Intergovernmental Panel on Climate Change.

CLRTAP is Convention on Long Range Transboundary Air Pollution.

EMEP is European Monitoring and Evaluation Programme.

CORINAIR is CORE INventory of AIR emissions.

SNAP is Selected Nomenclature for sources of Air Pollution.

NFR (Nomenclature for Reporting) is the classification used to report data to the CLRTAP.

NACE is Statistical classification of economic activities in the EU.

SKD is National classification of economic activities.

The emission of substances is releasing or discharging of substances from individual devices into the air and is expressed as:

- concentration of substances in waste gases,
- mass flow of substances in waste gases,
- amount of fibres in waste gases,
- emission share,
- emission factor or
- number of odour units due to emission of an odour-causing substance.

7 EXPLANATIONS

7.1 CLASSIFICATIONS

Data are published based on NACE classification. National classification of economic activities as a version of NACE classification is published on SURS Web Page (Methods and Classifications – Classifications – Economic Classifications):

<http://www.stat.si/StatWeb/en/mainnavigation/methods-and-classifications/classifications>

The conversion of data to NACE classification is partially made from NFR classification. Data based on this classification and detailed explanation of this classification itself is available in European Environment Agency (EEA) web publications (Publications – EU LRTAP Convention Emission Inventory):

<http://www.eea.europa.eu/publications>

Data are compiled for the following emissions:

- carbon dioxide without emissions from biomass - CO₂,
- carbon dioxide from biomass – biomass CO₂,
- methane - CH₄,
- dinitro monoxide - N₂O,
- hydrofluorocarbons – HFC,
- perfluorocarbons – PFC,
- sulphur hexafluoride - SF₆,
- nitrogen oxides - NO_x,
- sulphur oxides - SO_x,
- ammonia - NH₃,
- non-methane volatile organic compounds – NMVOC,
- carbon monoxide – CO,
- particulate matter PM₁₀ and PM_{2,5}.

CO₂ emissions from biomass are shown separately, since international organizations (EEA, UN institutions) do not add them to amounts of greenhouse gas emissions.

7.2 DATA PROCESSING

STATISTICAL DATA EDITING

Data control is carried out automatically by comparing the data reported from Slovenian Environmental Agency and data calculated in SURS.

For more, see the general methodological explanations [Statistical data editing](#).

8 PUBLISHING

Data are published:

Annually:

- SI-STAT Data Portal: Environment and Natural Resources – Environment – [NAMEA Air Emissions](#). The published data are absolute, divided by NACE activities)
- First release (Environment – Environmental Accounts): »Air Emission Accounts, Slovenia, annually«.
- Statøbook.
- Eurostat.

9 REVISION OF THE DATA

9.1 PUBLISHING OF PRELIMINARY AND FINAL DATA

Data on air emissions accounts are never published as final. Data are annually revised by the Slovenian Environment Agency, which means that data published by SURS are also revised on annual basis (from year 2008 onwards).

9.2 BREAKS IN TIME SERIES

Data divided on the basis of the new NACE Rev. 2 are available for years from 2008 onwards. Older data divided on the basis of the old NACE Rev. 1.1 are not updated and also not completely comparable with data divided on the basis of the new NACE Rev. 2.

Methodological explanation on revision of statistical data is available on <http://www.stat.si/dokument/5299/RevisionOfStatisticalDataMEgeneral.pdf>.

10 OTHER METHODOLOGICAL MATERIALS

- Standard quality report for the survey
 - NAMEA – air emissions (NAMEA) – Only in Slovene, theme: Environment, sub-theme: Environmental Accounts. <http://www.stat.si/StatWeb/glavnanavigacija/metode-in-klasifikacije/porocila-o-kakovosti>
- Annual quality report for the survey
 - NAMEA – air emissions (NAMEA), theme: Environment, sub-theme: Environmental Accounts. <http://www.stat.si/StatWeb/glavnanavigacija/metode-in-klasifikacije/porocila-o-kakovosti>
- Methodological explanation for surveys:
 - Input-output tables, supply and use tables, theme: GDP and National Accounts, sub-theme: Supply and use tables, input-output tables
 - Annual Energy Statistics, theme: Energy, sub-theme: Energy Production and Consumption
 - Registered road vehicles, theme: Transport, sub-theme: Road transport<http://www.stat.si/StatWeb/glavnanavigacija/metode-in-klasifikacije/metodoloska-pojasnila>