



METHODOLOGICAL EXPLANATION

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ENVIRONMENTAL GOODS AND SERVICES SECTOR ACCOUNTS

This methodological explanation relates to the data releases:

Environmental goods and services sector accounts, Slovenia, annually (First Release)



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1 PURPOSE

The purpose of publishing the data on environmental goods and services sector accounts is to present environmental sector data, i.e. data on production and service activities that prevent, limit, minimise or mitigate environmental damage and depletion of natural resources. Key statistics show these data by employment, output, value added and export by economic activities and activities of environmental protection and resource management.

2 LEGAL FRAMEWORK

- 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) and Regulation (EC) No 538/2014 of the European Parliament and of the Council amending Regulation (EU) No 691/2011 on European environmental economic accounts (CELEX: 32014R0538)

3 UNIT DESCRIBED BY THE PUBLISHED DATA

The units described by the published data are:

- production of environmental technologies, goods and services, where the final purpose is environmental protection and resource management,
- value added and export of these technologies, goods and services,
- employment in the environmental goods and services sector.

The data on output, value added and export are expressed in EUR million, while the data on employment are expressed in full time equivalents. Data are presented by individual activities and groups of activities according to the Standard Classification of Economic Activities in the European Community.

4 SELECTION OF OBSERVATION UNIT

Observation units are the producers of environmental technologies, goods and services where the final purpose is environmental protection and resource management.

The survey covers the data on output, value added, export and employment in the environmental goods and services sector.

5 SOURCES AND METHODS OF DATA COLLECTION

Data are collected annually.

For compiling the environmental goods and services sector accounts, data from different statistical sources are used:

- IND-L survey: Industrial production
- OKI survey: Environmental expenditure
- NA-COFOG survey: General government expenditure by purpose
- NA-SUT survey: Supply and use tables
- EK survey: Organic farming
- GRAD/M survey: Statistical survey of construction
- E1-EE survey: Production of electricity from renewable sources
- E-CEE/M survey: Energy prices
- NA-BDP/L survey: Annual gross domestic product and employment

Data for the survey are not obtained from administrative sources.

6 DEFINITIONS

Environmental goods and services sector accounts are satellite environmental-economic accounts to national accounts as defined by the SEEA (System of Environmental and Economic Accounting) and by the ESEA (European System of Environmental Accounting). The environmental goods and services sector consists of a heterogeneous set of producers of technologies, goods and services that prevent, limit, minimize or mitigate environmental damages to air, water and soil as well as problems related to waste, noise, biodiversity, landscapes and depletion of natural resources.

Environmental goods are e.g. energy efficient electrical appliances (refrigerators, washing machines, etc.), cars with lower emissions, ecological paints, recycled paper, air filters, waste bins, renewable energy, etc.

Environmental services are e.g. waste management and wastewater management activities, activities for the reduction of water leaks and losses, energy and water-saving activities, maintenance services for septic tanks, installation of renewable energy production technologies (solar panels, solar power plants), etc.

Environmental technologies are e.g. solar panels, wind mills, hydroelectric turbines, organic farming, etc.

Output in the observed unit is in the case of **market** output defined as the total of invoiced values of market sale of goods and services to third parties during the reference period. The value of **non-market** output is determined by the cost of producing goods and services (internal current expenditure; compensation of

employees; consumption of fixed capital; other taxes less subsidies on production). Therefore, it does not include stock changes, imported goods and services and value added tax.

Value added is newly created value generated by a company in one year.

Export determines the value of goods produced by the observed units and sold to non-residents.

The number of employees (employment) in the environmental goods and services sector is expressed in full-time equivalents. FTE corresponds to the number of full-time equivalent jobs, i.e. as total hours worked divided by the average annual number of hours worked in full-time jobs within the economic territory.

Analysis by activity - the type of economic analysis that uses data of statistical units aggregated according to the Classification of Activities (NACE).

Environmental domain is a particular class of environmental classifications CEPA and CReMA.

7 EXPLANATIONS

7.1 CLASSIFICATIONS

CEPA – Classification of Environment Protection Activities and Expenditure is published on Eurostats website: http://ec.europa.eu/eurostat/ramon/nomenclatures/index.cfm?TargetUrl=LST_NOM_DTL&StrNom=CEPA_2000&StrLanguageCode=EN&IntPcKey=&StrLayoutCode=HIERARCHIC

CReMA – Classification of Resource Management Activities: http://ec.europa.eu/eurostat/ramon/nomenclatures/index.cfm?TargetUrl=LST_NOM_DTL&StrNom=CL_CEPAREM&StrLanguageCode=EN&IntPcKey=&StrLayoutCode=HIERARCHIC

COFOG – Classification of the Functions of Government is published on Eurostats website: http://ec.europa.eu/eurostat/statisticsexplained/index.php/Government_expenditure_by_function

NACE - Statistical Classification of Economic Activities in the EU is published on Eurostats website: http://ec.europa.eu/competition/mergers/cases/index/nace_all.html

PRODCOM - Statistical Classification of Products by Activity in the European Economic Community: http://ec.europa.eu/eurostat/ramon/nomenclatures/index.cfm?TargetUrl=LST_NOM_DTL&StrNom=PRD_2016&StrLanguageCode=EN&IntPcKey=&StrLayoutCode=HIERARCHIC

7.2 DATA PROCESSING

DATA EDITING

Data editing was not performed.

WEIGHTING

Weighting was not performed.

SEASONAL ADJUSTMENT

Seasonal adjustment is not applicable.

DATA PROCESSING OTHER

We obtain data from different statistical sources and recalculate them in line with Eurostat's methodology for environmental goods and services accounts. The tabulation of acquired data follows; processing ends with the preparation of tables arranged according to the values of certain variables. Within the final analysis we compare the data with the data from the previous year by individual variables. Any significant discrepancies are further examined. Data processing is followed by the final calculation and publication of data.

7.3 INDICES

Indices are not published.

7.4 PRECISION

The precision is not calculated.

7.5 OTHER EXPLANATIONS

8 PUBLISHING

- SiStat Database: [Environment and natural resources](#) – Environment –Environmental accounts – Environmental goods and services sector accounts. The published data are absolute divided by NACE activities at the level of Slovenia.
- First Release (Environment, Environmental accounts): »Environmental goods and services sector accounts, Slovenia, annually«.
- Statistical Office of the European Union (Eurostat)

9 REVISION OF THE DATA

9.1 PUBLISHING OF PRELIMINARY AND FINAL DATA

In the case of the revision of the input data, also the data in the environmental goods and services sector accounts are revised.

9.2 FACTORS INFLUENCING COMPARABILITY OVER TIME

There are no breaks in time series, so all points in time are comparable. Data are available for the period 2010–2022.

10 OTHER METHODOLOGICAL MATERIALS

Methodological materials on SURS's website are available at <https://www.stat.si/statweb/en/Methods/QuestionnairesMethodologicalExplanationsQualityReports>.

- Questionnaire:
 - SURS does not collect data for this survey by using a questionnaire.
- Quality report for the survey:
 - Environmental goods and services sector accounts (EGSS)

Theme: environmental, SubTheme: environmental accounts

Methodological explanation for the survey:

- Industrial production,

theme: Industry, sub-theme: Production and Turnover in Industry.

- Gross fixed capital formation and current expenditure for environmental protection and revenues for the environmental protection related activities,

theme: Environment, sub-theme: Investments in Environmental Protection.

- General government expenditure by function,

theme: GDP and National Accounts, sub-theme: Supply and use tables, input-output tables.

- Input-output tables, supply and use tables,

theme: GDP and National Accounts, sub-theme: Supply and use tables, input-output tables.

<http://www.stat.si/StatWeb/en/Methods/QuestionnairesMethodologicalExplanationsQualityReports>

Eurostat

- Environmental goods and services accounts – Handbook, 2016
Methodological explanation

<http://ec.europa.eu/eurostat/documents/3859598/7700432/KS-GQ-16-008-ENN.pdf/f4965221-2ef0-4926-b3de-28eb4a5faf47>

- Environmental goods and services sector accounts - Practical guide
–2016

<http://ec.europa.eu/eurostat/documents/3859598/7741794/KS-GQ-16-011-ENN.pdf/3196a7bc-c269-40ab-b48a-73465e3edd89>