REPUBLIC OF CROATIA
CROATIAN BUREAU OF STATISTICS

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QUALITY REPORT FOR STATISTICAL SURVEY

Physical Energy Flow Accounts for 2023

Organisation unit: Environment and Energy Statistics and Sustainable Development Indicators Department / Energy Statistics and Sustainable Development Indicators Unit
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0. Basic information

- Purpose, goal, and subject of the survey

  Physical Energy Flow Accounts (PEFA) is one of the modules of the European Environmental Economic Accounts – Annex VI to Regulation (EU) 691/2011 of the European Parliament and of the Council of 6 July 2011 on European environmental economic accounts.

  PEFA records energy flows (in terajoules):

  – from the environment to the economy (natural inputs),

  – in the economy (products) and

  – from the economy back to the environment (wastes)

  – using a framework for calculating physical supply and use tables.

- Reference period

  Calendar year

- Legal acts and other agreements

  Physical Energy Flow Accounts (PEFA) are legally covered by Regulation (EU) 691/2011 of the European Parliament and of the Council of 6 July 2011 on European environmental economic accounts.

  This Regulation establishes a common framework for the collection, compilation, transmission and evaluation of European environmental economic accounts for the purpose of establishing environmental economic accounts as satellite accounts for ESA 2010, providing a methodology, common standards, definitions, classifications and accounting rules for the compilation of environmental economic accounts.

- Classification system

  Physical energy flow accounts present data on physical energy flow expressed in terajoules in a way that is fully ESA compliant. Physical energy flow accounts show energy data in relation to economic activities of resident units of national economies, classifying them according to types of economic activities. They represent the supply and use of natural energy inputs, energy sources and energy residues. Economic activities include production, consumption and accumulation.

- Statistical concepts and definitions

  Conceptually, physical energy flow accounts belong to the international System of Environmental Economic Accounts (SEEA – Central Framework). Furthermore, they are one of several physical modules of Eurostat's program on European environmental economic accounts that are covered by Regulation (EU) No 691/2011.

  Physical energy flow accounts are closely related to the concepts and definitions of national accounts. Most importantly, they follow the residency principle, i.e. they record the physical energy flows related to the resident unit's activities, regardless of where they occur geographically.

  Further methodological guidelines are available in various Eurostat publications (Eurostat websites).

- Statistical units

  The data refer to the physical energy flows of all resident economic units in terms of SEEA and National Accounts (ESA).

- Statistical population

  All economic activities of resident units.

1. Relevance

1.1 Data users

European Commission, scientists, students

1.1.1 User needs

The needs of the listed users were met.

1.1.2 User satisfaction

The first user satisfaction survey of the Croatian Bureau of Statistics was conducted in 2013, then in 2015 and 2022, and the last one at the end of 2024. The results of the satisfaction survey can be checked on the website of the Croatian Bureau of Statistics – User satisfaction surveys.

1.2. Completeness

The coverage meets guidelines and regulations of Eurostat, as data producer, and of Directorates General responsible for the European Commission policy areas, as data users.

1.2.1 Data completeness rate

The data completeness rate is 100%.

2. Accuracy and reliability

2.1. Sampling error

The indicator is not applicable to this survey.

2.1.1 Sampling error indicators

The indicator is not applicable.

2.2. Non-sampling error

The indicator is not applicable to this survey.

2.2.1. Coverage error

The indicator is not applicable to this survey.

2.2.2. Over-coverage rate

The indicator is not applicable.

2.2.3. Measurement error

The indicator is not applicable to this survey.

2.2.4. Non-response error

The indicator is not applicable to this survey.

2.2.5. Unit non-response rate

Unweighted non-response rate is 0%.

2.2.6. Item non-response rate

Item non-response rate is 0%.

2.2.7. Processing error

The indicator is not applicable to this survey.

2.2.8. Imputation rate

The indicator is not applicable.

2.2.9. Model assumption error

The indicator is not applicable to this survey.

2.3. Data revision

2.3.1. Data revision – policy

The users of statistical data are informed about revisions on the website of the Croatian Bureau of Statistics, on the link – General Revision Policy of the CBS.

2.3.2. Data revision – practice

Provisional data are not published in the survey; therefore, there are no data revisions.

2.3.3. Data revision – average size

The indicator is not applicable.

2.4. Seasonal adjustment

Not applicable.

3. Timeliness and Punctuality

3.1. Timeliness

26 months

3.1.1. Time lag – first results

Time lag – first results is T + 26 months.

3.1.2. Time lag – final results

Time lag – final results is T + 26 months.

3.2. Punctuality

100%

3.2.1. Punctuality – delivery and publication

Delivery and publication is 1.

4. Accessibility and clarity

The data are disseminated in electronic form – published on the website of the Central Bureau of Statistics in the PC-Axis database. The release contains short methodological explanations,

such as the source and methods of data collection, coverage and comparability, definitions, etc. Metadata is also available in the database.

4.1. News release

Not applicable.

4.2. On-line database

The data is published in the PC-Axis database.

4.3. Micro-data access

The conditions under which certain users can access microdata are regulated by the Ordinance on Conditions and Terms of Access and Use of Confidential Statistical Data of the Croatian Bureau of Statistics for Scientific Purposes (NN, No. 5/23).

4.4. Documentation on methodology

The methodology is available on the website of the Croatian Bureau of Statistics, Physical energy flow accounts - Notes on Methodology.

5. Comparability over time

5.1. Asymmetry for mirror flows statistics

Not applicable.

5.2. Comparability - over time

Since 2006

5.2.1. Length of comparable time series

Length of comparable time series is 18.

5.2.2. Reasons for break in time series

Not applicable.

5.3. Coherence – subannual and annual statistics

The indicator is not applicable.

5.4. Coherence – national accounts

The indicator is not applicable.

5.5. Coherence – administrative sources

The indicator is not applicable.

6. Cost and burden

6.1. Cost

Costs are minimal, as all data are collected by electronic means.

6.2. Burden

About 50 working hours for one PEFA table.