

Single Integrated Metadata Structure (SIMS)

Country: Greece

Compiling agency: ELSTAT

Domain name: Material Flow Accounts

ELSTAT metadata

Reference metadata

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1.1	Organization	HELLENIC STATISTICAL AUTHORITY (ELSTAT)
1.2	Contact organization unit	SECONDARY SECTOR STATISTICS DIVISION (G3) Construction and Environment Statistics Section (G32)
1.3	Contact name	Vlachos Panagiotis
1.4	Contact person function	Compilation of Material Flow Accounts
1.5	Contact mail address	Peiraios 46 & Eponiton, 185 10 Piraeus
1.6	Contact e-mail address	p.vlachos@statistics.gr
1.7	Contact phone number	+30 213 1353102

1.8	Contact fax number	+30 213 1354453
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2. Introduction

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The purpose of the Material Flow Accounts (MFA) is to estimate the environmental impacts due to the extraction of raw materials from natural environment. Furthermore, the Material Flow Accounts also record imports and exports of raw material in EU Member States and third countries. ELSTAT, fully responding to this obligation, compiles the Material Flow Accounts in accordance with the methodological principles of Eurostat.

3. Metadata Update

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3.1 Metada last certified	November 2014
3.2 Metadata last posted	November 2014
3.3 Metadata last updated	November 2014

4. Statistical Presentation

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4.1 Data description

The data on Material Flow Accounts refer to the quantities of materials that are extracted, in any way, as raw, crude or virgin material from natural environment. Data on raw materials are grouped into the following three categories:

- a) Materials that constitute biomass components. It refers to products of agricultural production, timber, fishing and hunting.
- b) Mineral ores
- c) Non-metallic minerals
- d) Energy products

These data are presented in a series of tables pertaining to domestic production and extraction, imports and exports.

It is obvious that the primary data of the Material Flow Accounts are a combination of statistical data that are collected, processed and published by various data sources.

More specifically, these sources are as follows: As regards agricultural products, the data are collected from the Ministry of Rural Development and Food (YPAAT). The Ministry collects and transmits to Eurostat and to other international organizations the data on agricultural production. These data are the official data of Greece. The data on forestry products and especially on timber are collected from the Special Secretariat for Forests of the Ministry of Environment, Energy and Climate Change (YPEKA). The data on fishery products are collected from the Division of Primary Sector Statistics of ELSTAT. The hunting products are collected from the Hunting Confederation of Greece, which collects the relative data from the local hunting associations. The data on metal ores, non-metallic minerals and energy materials are collected from the Division of Secondary Sector Statistics of ELSTAT and more specifically they derive from the Survey on Mines-Quarries.

As regards data on imports and exports of raw material, they are collected from the Division Statistics on Trade & Services of ELSTAT.

4.2 Classification system

The classification system used is in compliance with Regulation (EU) No 691/2011 on European environmental economic accounts (Annex III- Module MFA).

4.3 Sector coverage

The MFA tables cover the sectors of the economy that are involved in the extraction, import or export of raw material that pertain to production, intermediate consumption, as well as final consumption of all the institutional units of the economy.

4.4 Statistical concepts and definitions

The concepts and definitions of the relevant variables are fully in line with the corresponding concepts laid down in Regulation (EU) No 691/2011 on European environmental economic accounts.
4.5 Statistical unit
The data used for the compilation of Material Flow Accounts refer to the extraction of materials by all the institutional units of the economy. The necessary statistical data are collected from the competent agencies and cover total economy.
4.6 Statistical population
All materials within the scope of the Regulation (EU) No 691/2011.
4.7 Reference area
Data on materials refer to Greece total.
4.8 Time coverage
Reference period of data is from 2008 until 2012.
4.9 Base period
Not applicable.

5. Unit of measure	<u>Top</u>
Metric ton.	

6. Reference period	<u>Top</u>
One calendar year, with first reference year the year 2008.	

7. Institutional mandate

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7.1 Legal acts and other agreements

The legal framework concerning the organization and operation of ELSTAT is as follows:

Law 3832/2010 (Government Gazette No 38, Issue A): *"Hellenic Statistical System Establishment of the Hellenic Statistical Authority (ELSTAT) as an Independent Authority"*, as amended by article 90 paragraphs 8 and 9 of the Law 3842/2010 (Government Gazette No 58, Issue A): *"Restoration of fiscal justice, confrontation of tax evasion and other provisions"*, by article 10 of the Law 3899/2010 (Government Gazette No 212, Issue A): *"Urgent measures for the implementation of the assistance program of the Greek Economy"*, by article 45 of the Law 3943/2011 (Government Gazette No 66, Issue A): *"Combating tax evasion, staffing of auditing services and other provisions falling within the competence of the Ministry of Finance"*, by article 22 paragraph 1 of the Law 3965/2011 (Government Gazette No 113, Issue A): *"Operations Reform of the Consignment and Loan Fund, Public Debt Management Agency, Public Enterprises and Government bodies, the establishment of the General Secretary of Public Property and other provisions"*, by article first of the Law 4047/2012 (Government Gazette No 31, Issue A): *"Ratification of the Act of Legislative Content "Very urgent measures for the implementation of the Medium-term Fiscal Strategy 2012-2015 and of the State Budget for 2011" and of the Act of Legislative Content "Regulation of very urgent issues for the implementation of law 4024/2011 "Pension provisions, uniform pay scale - grading system, labour reserve and other provisions for the implementation of the Medium-term Fiscal Strategy Framework 2012-2015" and of issues falling within the competence of the Ministries of Administrative Reform and E-Governance, Interior, Finance, Environment, Energy and Climate Change, and of Education, Lifelong Learning and Religious Affairs and related to the implementation of the Medium-term Fiscal*

Strategy Framework 2012-2015" and other provisions", by article 323 of the Law 4072/2012 (Government Gazette No 86, Issue A): "Improvement of the business environment New corporate form - Trade Marks - Realtors - Regulating maritime, port and fishing matters and other provisions" and by article 7 paragraph 1 of the Act of Legislative Content dated 18/11/2012 (Government Gazette No 228, Issue A): "Financial rules and other provisions", by Article 93 of the Law 4182/2013 (Government Gazette No 185, Issue A): "Code of charitable estate, inheritances in abeyance and other provisions", by Article 6 paragraph 8 of the Law 4244/2014 (Government Gazette 60, Issue A): "Integration in Greek law of the Council Directive 2013/1/EU of 20 December 2012 amending Directive 93/109/EC as regards certain detailed arrangements for the exercise of the right to vote and stand as a candidate in elections to the European Parliament for citizens of the Union residing in a Member State of which they are not nationals and amendment of law 2196/1994 (A` 41) and other provisions", by Article first subparagraph C.3 of the Law 4254/2014 (Government Gazette No 85, Issue A): "Measures for the support and development of the Greek economy, in the context of the implementation of Law 4046/2012, and other provisions of law" and by Article 33, paragraphs 5a and 5b of the Law 4258/2014 (Government Gazette No 94, Issue A): "Demarcation process and arrangements of matters for streams - arrangements of Urban Planning legislation and other provisions".

Regulation on the Operation and Administration of the Hellenic Statistical Authority (ELSTAT), 2012, (Government Gazette No 2390, Issue B, 28-8-2012)

Regulation (EC) No 223/2009 of the European Parliament and of the Council, on the European statistics (Official Journal of the European Union L 87/164).

Article 14 of the Law 3470/2006 (Government Gazette No 132, Issue A): *"National Export Council, tax regulations and other provisions"*.

Article 3, paragraph 1c, of the Law 3448/2006 (Government Gazette No 57, Issue A): *"For the further use of information coming from the public sector and the settlement of matters falling within the responsibility of the Ministry of Interior, Public Administration and Decentralization"*.

European Statistics Code of Practice, adopted by the Statistical Programme Committee on 24 February 2005 and promulgated in the Commission Recommendation of 25 May 2005 on the independence, integrity and accountability of the national and Community statistical Authorities, after its revision, which was adopted on 28 September 2011 by the European Statistical System Committee.

Presidential Decree 226/2000 (Government Gazette No 195, Issue A): *"Organization of the General Secretariat of the National Statistical Service of Greece"*.

Articles 4, 12 , 13, 14, 15 and 16 of the Law 2392/1996 (Government Gazette No 60, Issue A): *"Access of the General Secretariat of the National Statistical Service of Greece to administrative sources and administrative files, Statistical Confidentiality Committee, settlement of matters concerning the conduct of censuses and statistical works, as well as of matters of the General Secretariat of the National Statistical Service of Greece"*.

Regulation (EU) No 691/2011 of the European Parliament and of the Council on European environmental economic accounts – Annex 3 (Module MFA).

7.2 Data sharing

No.

8. Confidentiality

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8.1 Confidentiality policy

The issues concerning the observance of statistical confidentiality by the Hellenic Statistical Authority (ELSTAT) are arranged by articles 7, 8 and 9 of the Law 3832/2010 as in force, by Articles 8, 10 and 11(2) of the Regulation on Statistical Obligations of the agencies of the Hellenic Statistical System and by Articles

10 and 15 of the Regulation on the Operation and Administration of ELSTAT.

Furthermore, ELSTAT disseminates the statistics in compliance with the statistical principles of the European Statistics Code of Practice and in particular with the principle of statistical confidentiality.

8.2 Confidentiality – data treatment

ELSTAT protects and does not disseminate data it has obtained or it has access to, which enable the direct or indirect identification of the statistical units that have provided them by the disclosure of individual information directly received for statistical purposes or indirectly supplied from administrative or other sources. ELSTAT takes all appropriate preventive measures so as to render impossible the identification of individual statistical units by technical or other means that might reasonably be used by a third party. Statistical data that could potentially enable the identification of the statistical unit are disseminated by ELSTAT if and only if:

- a) these data have been treated, as it is specifically set out in the Regulation on Statistical Obligations of the agencies of the Hellenic Statistical System (ELSS), in such a way that their dissemination does not prejudice statistical confidentiality or
- b) the statistical unit has given its consent, without any reservations, for the disclosure of data.

The confidential data that are transmitted by ELSS agencies to ELSTAT are used exclusively for statistical purposes and the only persons who have the right to have access to these data are the personnel engaged in this task and appointed by an act of the President of ELSTAT.

ELSTAT may grant researchers conducting statistical analyses for scientific purposes access to data that enable the indirect identification of the statistical units concerned. The access is granted provided the following conditions are satisfied:

- a) an appropriate request together with a detailed research proposal in conformity with current scientific standards have been submitted;
- b) the research proposal indicates in sufficient detail the set of data to be accessed, the methods of analyzing them, and the time needed for the research;
- c) a contract specifying the conditions for access, the obligations of the researchers, the measures for respecting the confidentiality of statistical data and the sanctions in case of breach of these obligations has been signed by the individual researcher, by his/her institution, or by the organization commissioning the research, as the case may be, and by ELSTAT.

Issues referring to the observance of statistical confidentiality are examined by the Statistical Confidentiality Committee (SCC) operating in ELSTAT. The responsibilities of this Committee are to make recommendations to the President of ELSTAT on:

- the level of detail at which statistical data can be disseminated, so as the identification, either directly or indirectly, of the surveyed statistical unit is not possible;
- the anonymization criteria for the microdata provided to users;
- the granting to researchers access to confidential data for scientific purposes.

The staff of ELSTAT, under any employment status, as well as the temporary survey workers who are employed for the collection of statistical data in statistical surveys conducted by ELSTAT, who acquire access by any means to confidential data, are bound by the principle of confidentiality and must use these data exclusively for the statistical purposes of ELSTAT. After the termination of their term of office, they are not allowed to use these data for any purpose.

Violation of data confidentiality and/or statistical confidentiality by any civil servant or employee of ELSTAT constitutes the disciplinary offence of violation of duty and may be punished with the penalty of final dismissal.

ELSTAT, by its decision, may impose a penalty amounting from ten thousand (10,000) up to two hundred thousand (200,000) euros to anyone who violates the confidentiality of data and/or statistical confidentiality. The penalty is always imposed after the hearing of the defence of the person liable for the breach, depending on the gravity and the repercussions of the violation. Any relapse constitutes an aggravating factor for the assessment of the administrative sanction.

9. Release policy

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9.1 Release calendar

Not applicable.

9.2 Release calendar access

Not applicable.

9.3 User access

In compliance with Community legislation and the European Statistics Code of Practice, ELSTAT releases all national statistical data on its webpage, fully observing professional independence and with a view to ensuring the simultaneous, equal and timely access of all users to statistical data.

Neither users nor any government bodies have access to data before their official release.

10. Frequency of dissemination

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Annual.

11. Dissemination Format

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11.1 News release

No press release is compiled.

11.2 Publications

No publications.

11.3 On-line database

Data on Material Flow Accounts are not posted on the database of ELSTAT.

11.3.1 Data tables - consultations

There are no available data on data-tables consultations for 2013. The data on Material Flow Accounts are published for the first time.

11.4 Micro-data access

Microdata are made available to users after their submitting a request to the:

Division of Statistical Information and Publications

46, Peiraios and Eponiton Str.,

18510 Piraeus

Tel: +30 213 135 2173

Fax: +30 213 135 2022

e-mail: data.dissem@statistics.gr

11.5 Other

Data can be provided to users (given the fact that statistical confidentiality is always observed) usually by fax or e-mail, by submitting a relevant data request. Users have to submit their request, describing in details the requested data, to the Division of Statistical Information and Publications. The requests must be submitted

electronically to the following e-mail address: data.dissem@statistics.gr and data.supply@statistics.gr

11.5.1 Metadata - consultations

Total access to the website as regards the metadata on Material Flow Accounts for the year 2013 amounts to 465 hits.

12. Accessibility of documentation

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12.1 Documentation on methodology

Methodological Manual on Material Flow Accounts of Eurostat, 2009, available at:
<http://bookshop.europa.eu>

12.1.1 Metadata completeness (percentage)

Metadata fully describe the data in the relevant tables.

12.2 Quality documentation

The data that are transmitted to Eurostat are accompanied by a relevant Quality Report which outlines the methods of compilation of the Material Flow Accounts.

13. Quality management

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13.1 Quality assurance

Data for the compilation of Material Flow Accounts derive from reliable administrative data sources which provide official national statistics (see chapter 4.1).

13.2 Quality assessment

The quality of the data is considered satisfactory.

14. Relevance

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14.1 User needs

The data on Material Flow Accounts fully meet users' needs. Users are mostly research institutes and students in forestry schools or institutes.

14.2 User satisfaction

The Statistical Information Dissemination Section of ELSTAT conducts a survey on user satisfaction, the results of which are available at the link:

<http://www.statistics.gr/portal/page/portal/ESYE/PAGE-conferences>

14.3 Completeness

The requirements of the Regulation 691/2011 are fully met.

15. Accuracy and reliability

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15.1 Overall accuracy

The compilation of data on Material Flow Accounts refers mostly to the cumulative synthesis of data on material (raw material) that are collected by the competent official national agencies.

15.2 Sampling error

No sampling error.

15.3 Non-sampling error

No non-sampling error.

15.3.1 Coverage error

No coverage error.

15.3.1.1 Over-coverage rate

No over-coverage.

15.3.1.2 Common units (percentage)

Not applicable. The data are collected from administrative sources.

15.3.2 Measurement error

No measurement error. The data are collected from the corresponding regional administrative sources.

15.3.3 Non response error

No non-response error. The data are collected from the corresponding regional administrative sources.

15.3.4 Processing error

No processing error. The data are collected from the corresponding regional administrative sources.

15.3.5 Model assumption error

No model is used.

16. Timeliness and punctuality

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16.1 Timeliness

The data are disseminated 24 months after the end of the reference year.

16.2 Punctuality

Flow Material Accounts data are transmitted to Eurostat without delays.

17. Comparability

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17.1 Comparability -- geographical

The data are fully comparable among EU Member States.

17.1.1 Assymetry for mirror – flows – statistical (coefficient)

Not applicable.

17.2 Comparability – over time

The data are comparable over time.

18. Coherence

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18.1 Coherence cross-domain

Not applicable .

18.1.1 Coherence – sub annual and annual statistics

Not applicable; the results of this survey are compiled only on an annual basis.

18.1.2 Coherence – National Accounts

The produced data are coherent with the corresponding data of National Accounts.

18.2 Coherence – internal

The data on Material Flow Accounts are characterized by completeness and internal coherence.

19. Cost and Burden

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Data derive from administrative sources, such as the Ministry of Rural Development and Food, the Ministry of Environment, Energy and Climate Change, the Special Secretariat for Forests and ELSTAT. Therefore there is no burden for ELSTAT in terms of data collection and data processing. The administrative cost has not been estimated.

20. Data revision

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20.1 Revision policy

The Revision Policy of ELSTAT for 2013 is implemented, which is available at the following link:

http://www.statistics.gr/portal/page/portal/ESYE/BUCKET/General/ELSTAT_Revisions_Policy_22_5_2013_EN.pdf

20.2 Revision practice

The Material Flow Accounts data are revised in accordance with the methodological guidelines set out by Eurostat.

21. Statistical processing

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21.1 Source data

Primary data refer to the quantities of materials, mostly raw materials, which are collected or extracted from natural environment. They are measured in metric tons and pertain to all the products of agricultural production, timbre, fishery and hunting products, any kind of metal ores, inert materials and crude energy materials.

21.2 Frequency of data collection

Annual.

21.3 Data collection

See paragraph 4.1.

21.4 Data validation

Data are validated by Eurostat.

21.5 Data compilation

Once collected, the data undergo logical checks and then the relevant tables are compiled for every material.

21.5.1 Imputation-rate

No imputation.

21.6 Adjustment

No adjustment.

21.6.1 Seasonal adjustment

There is no seasonal adjustment; the data are estimated on a yearly basis.

22. Comment

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