

Metadata in Euro-SDMX format (ESMS)

Country: Greece

Compiling agency: ELSTAT

Domain name: Regional Accounts

ELSTAT metadata

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2. Metadata update

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2.1 Metadata last certified	January 2015
2.2 Metadata last posted	January 2015
2.3 Metadata last update	January 2015

3. Statistical presentation

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3.1 Data description

Regional accounts are compiled in accordance with the European System of Accounts - [ESA 2010](#) of the Council Regulation (EU) No 549/2013 of the European Parliament and of the Council of 21 May 2013. The previous European System of Accounts, ESA95, was reviewed to bring national accounts in the European Union, in line with new economic environment, advances in methodological research and needs of users and the updated national accounts framework at the international level, the [SNA 2008](#).

The revisions are reflected in an updated Regulation of the European Parliament and of the Council on the European system of national and regional accounts in the European Union of 2010 ([ESA 2010](#)). The associated [transmission programme](#) is also updated and data transmissions in accordance with ESA 2010 are compulsory from September 2014 onwards.

They provide information on basic economic variables at regional level (region and prefecture levels of Greece). The main economic variables are gross value added, compensation of employees, employment (total employment, employees), gross fixed capital formation (investments) and gross domestic product for which the available regional data are broken down per sector of economic activity. Data are also provided on regional level for Households Accounts.

3.2 Classification system

The classifications required by ESA 2010 are applied.

Classification per territorial unit

For the classification per territorial unit (geographical breakdown) the nomenclature NUTS is applied and specifically levels 0: total of the country, 1: greater geographical area, 2: region, 3: prefecture.

Classification per economic activity

ESA2010 uses aggregation levels of the NACE Rev.2 classification to define industry breakdowns (NACE stands for Nomenclature générale des Activités économiques dans les Communautés Européennes). NACE Rev.2 is a classification of economic activities widely used in statistics and in other domains. Requirements for the transmission of NACE Rev.2 series have been specified in the [Commission Regulation \(EC\) No 715/2010 of 10 August 2010](#)

The classification NACE Rev2 is applied for the breakdown of economic activities

All industries of economic activity are covered. Data are published at the level of 10 industries (A10):

- Agriculture, forestry and fishing
- Mining and quarrying, manufacturing, energy, water supply, sewerage, waste management, remediation

- Construction
 - Wholesale and retail sale, repair of motor vehicles and motorcycles, transportation and storage, accommodation and food service activities
 - Information and communication
 - Financial and insurance activities
 - Real estate activities
 - Professional, scientific and technical activities, administrative and support service activities
 - Public administration and defence, compulsory social security, education, human health and social work activities
- Arts, entertainment and recreation, repair of household's goods and other services

3.3 Sector coverage

Regional accounts cover all sectors composing the national economy. At institutional sectors analysis, regional data are provided only for the sector of households.

3.4 Statistical concepts and definitions

Following are presented the definitions, according to ESA 2010, of the basic variables for regional accounts.

Gross Value Added

Gross value added is the net production output valued at basic prices minus the intermediate consumption valued at market prices. Gross value added is calculated before the consumption of fixed capital.

Compensation of employees

Compensation of employees is defined as the total earnings in cash or in kind paid from the employer to the employed person as a reward for the work provided during the accounting period. Compensation of employees includes wages and salaries and social security contributions.

Total of employment – total of employees

Total employment includes all persons employed in the productive process (within the production limit of national accounts system). The employed persons are separated into employees (employed persons with some kind of agreement for another permanent resident, receiving a payment) and into self-employed persons.

Gross fixed capital formation

Gross fixed capital formation consists of purchases minus sales from the producers, permanent residents, of capital goods during a given period, plus the additions on the value of non-produced goods arising from the productive process of producers or institutional units. Fixed goods are separated into tangible and intangible, they are the result of a productive process and they are used continuously or repeatedly in the productive process for a period bigger than a year. The term gross fixed capital means that the consumption of fixed capital is included.

Gross domestic product

Gross domestic product at market prices is the final output of the production activity from producers, permanent residents. It is calculated from national accounts under three methods: (a) the production method, (b) the expenditure method and (c) the income method.

3.5 Statistical unit

For the compilation of regional accounts data from a broad field of basics statistics are combined, without the existence of a common sampling framework, in which distinct statistical units are distinguished.

According to ESA 2010 the basic unit used for the analysis of the economic behaviour is the institutional unit, which is characterized by independence in the decision making regarding its main activity and by the possibility of keeping a complete series of accounts. For the detailed analysis of the productive process, ESA 2010 uses another type of unit, the local unit of economic activity which groups all the parts of the institutional unit with its attribute as producer located in one or in neighbouring sights and which contribute in the realisation of a specific activity. The local units of economic activity are grouped into sectors of economic activity.

3.6 Statistical population

National Accounts combine data from many source statistics. The concept of statistical population is not strictly applicable in a national accounts context.

3.7 Reference area

The total of Greece with breakdown into region and prefecture level.

3.8 Time coverage

On annual basis the years of the period 2000-2012.

3.9 Base period

The data of regional accounts are compiled at current prices. Base period does not exist.

4. Unit of measure

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The variables concerning values are expressed in million of euros, apart from the per capita values which are expressed in euros. All the employment variables are counting number of persons.

5. Reference period

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The calendar year.

6. Institutional mandate

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6.1 Legal acts and other agreements

National legislation

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" 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".

EU Legislation

Regulation (EC) No 223/2009 of the European Parliament and of the Council, on the European statistics.

National accounts are compiled in accordance with the European System of Accounts) ([ESA 2010](#)) which was published in the Official Journal as Annex A of Regulation (EU) No 549/2013.

The European System of Accounts(ESA 2010) transmission programme is covered in Annex B of the Council Regulation (EU) No 549/2013.

Regulation (EC) No 715/2010 amending Council Regulation (EC) No 2223/96 as regards adaptations

following the revision of the statistical classification of economic activities NACE Revision 2 and the statistical classification of products by activity (CPA) in national accounts

Commission Decision 98/715 and Commission Decision 2002/990 on measurement of price and volumes in national accounts.

Commission Regulation 1500/2000 on General Government expenditure and revenue data

Council Regulation 448/98 on FISIM and 1889/2002 on implementing act.

Commission Decision 94/168 on Exhaustiveness decision

Commission Decision 195/309 on Dwelling services

Council Regulation 359/2002 on the Use of ESA95 for VAT own resource

Commission Regulation 113/2002 on Functional classifications

6.2 Data sharing

Not available

7. Confidentiality

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7.1 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.

More precisely:

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.

7.2 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 defense 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.

8. Release policy

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8.1 Release calendar

According to the release calendar, the Press Release is published in January of each year (t) referring to the data of the year t-2.

8.2 Release calendar access

The release calendar is provided on the website of ELSTAT:

<http://www.statistics.gr/en/calendar>

8.3 User access

Users have access to the results of regional accounts through the website of ELSTAT:

<http://www.statistics.gr/en/home>

9. Frequency of dissemination

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The dissemination is on a yearly basis.

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10.1 News release
Press releases are published on the website of ELSTAT:
10.2 Publications
Not available
10.3 On-line database
On ELSTAT website: http://www.statistics.gr/en/home On EUROSTAT website: Website of Eurostat
10.4 Micro-data access
Not relevant.
10.5 Other
Not relevant.

11. Accessibility of documentation Top
11.1 Documentation on methodology
The general methodological framework for the compilation of national accounts is defined by the European System of Accounts (ESA 2010) and the Manual on regional accounts methods European system of accounts 2010 Manual on regional accounts methods
11.2 Quality documentation
The sources and methods used for the calculation of the results are described analytically in the inventory of regional accounts: http://www.statistics.gr/en/statistics/-/publication/SEL45/-

12. Quality management Top
12.1 Quality assurance
Quality is assured by strict application of ESA 2010 concepts and rules and by thorough validation of the data used and the final results.
12.2 Quality assessment
Along with the annual transmission of regional statistical data to Eurostat, a relevant quality report is submitted. The assessment is realised by Eurostat.

13. Relevance	Top
13.1 User needs	
<p>According to ELSTAT's policy the users needs are reflected at conferences held at regular intervals. Furthermore, users needs are recorded, based on requests made every day.</p> <p>ELSTAT takes into account in planning its operations, activities designed to satisfy user needs.</p>	
13.2 User satisfaction	
<p>ELSTAT assesses the degree of satisfaction of users regarding its statistical products and services through the conduct of a user satisfaction surveys on a continuous basis and the Users Conferences held on an annual basis.</p> <p>Starting from 2013, the results of User Satisfaction Surveys for the years 2011, 2012 and 2013 are made public. Moreover, the minutes of the Users Conferences are available on ELSTAT's website.</p> <p>http://www.statistics.gr/en/user-conference</p>	
13.3 Completeness	
<p>The criterion of completeness is satisfied according to the Regulation.</p>	

14. Accuracy and reliability	Top
14.1 Overall accuracy	
<p>The data sources used for the compilation of regional accounts are the exhaustive data from administrative sources and the microdata or results from sampling surveys. The accuracy and reliability of the produced results depends on the accuracy and the completeness of the data coming from the primary sources. These data from the primary sources are checked as for their accuracy and completeness and they are continuously revised until they are confirmed, in order to achieve the higher possible level of accuracy and reliability.</p>	
14.2 Sampling error	
<p>Not relevant.</p>	
14.3 Non-sampling error	
<p>Not relevant.</p>	

15. Timeliness and punctuality	Top
15.1 Timeliness	
<p>In December of each year the data concerning the period completed two years ago are produced (e.g in December of 2014, the data of the year 2012 were produced).</p>	
15.2 Punctuality	
<p>The produced data are transmitted to Eurostat within the required deadline, which ends on the last working day of December of each year.</p>	

16. Comparability	Top
16.1 Comparability - geographical	
<p>The compiled data are comparable at the levels of Prefecture, Region and Greater Geographical Area</p>	

(NUTS 3, 2, 1 respectively).

Furthermore, the data are comparable between the Member – States because they are calculated on the basis of the common methodology (ESA 2010) and a common data transmission program set by the Regulation.

16.2 Comparability over time

Data for the years 2000-2013 are comparable over time.

17. Coherence

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17.1 Coherence cross-domain

Through the implementation of the principles and concepts of ESA 2010, the coherence between the various sectors is assured, as between the annual national accounts, the quarterly national accounts, the regional accounts and the accounts of institutional sectors.

17.2 Coherence – internal

The implementation of ESA 2010, which defines a cohesive and integrated system of accounts, assures the internal coherence of the produced results.

18. Cost and burden

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No additional cost results from the compilation of regional accounts.

19. Data revision

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19.1 Revision policy

The data of regional accounts are revised on the following occasions: (a) when the annual national accounts data are revised, (b) when they are available data from a new data source, which is considered methodologically, as more adequate and (c) when the primary data used for their compilation are revised considerably.

19.2 Revision practice

Data of regional accounts are revised on regular time intervals, due to the finalization of provisional data or the incorporation of new data that have occurred.

20. Statistical processing

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20.1 Source data

Microdata or results from surveys conducted by ELSTAT (Structural Business Statistics surveys, Labour Force survey etc), data from administrative sources and the results of annual national accounts.

20.2 Frequency of data collection

Data are collected on annual basis.

20.3 Data collection	
The primary data are available mainly in electronic format.	
20.4 Data validation	
Logical tests are applied in order to check that the data used for the production of regional results are characterized by accuracy, consistency at regional level, through comparison with other sources and through the comparison of consequent reference years.	
20.5 Data compilation	
Depending on the data sources used for the production of regional accounts results, the following cases exist:	
<ul style="list-style-type: none"> - When the data source is the micro data from statistical surveys of ELSTAT, as Structural Business Statistics surveys, the data are grouped according to the size of the enterprises and they are smoothed through the implementation of the Small Area Estimation method in order to be reliable at regional level, given that Structural Business Statistics are mainly compiled for reliable results at the level of the country. - When the data source is the results from statistical surveys of ELSTAT, as the Labour Force survey or is administrative data, then these data are tabulated per region and a regional indicator is calculated, which is used for the regionalization of the variables compiled and made available for the total of the country from annual national accounts. 	
20.6 Adjustment	
In cases of time series presenting big variability, corrections are made using moving averages.	
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