



РЕПУБЛИКА МАКЕДОНИЈА  
Државен завод за статистика  
REPUBLIC OF MACEDONIA  
State Statistical Office

## Annual report on forest area SUM.13

Reference Metadata in Euro SDMX Metadata  
Structure (ESMS)

Compiling agency: Republic of Macedonia,  
Statistical Office

### 1 Contact

#### 1.1 Contact organisation

State Statistical Office

#### 1.2 Contact organisation unit

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### 2 Metadata update

#### 2.3 Metadata last update

20/01/2017

### 3 Statistical presentation

#### 3.1 Data description

Data for forest area, other forest land, other forest land, artificially raised stands, forests according to the purpose (commercial forests, protective forests and special purpose), volume of growing stock, annual increment.

### 3.2 Classification system

National classification of activities - NKD Rev. 2,  
Nomenclature of agricultural products, forestry, hunting and fishing and related services (NZSRU),  
Nomenclature of territorial units for statistics - NTES, 2013.

### 3.3 Sector coverage

Sector A- Agriculture, Forestry and Fisheries, Department 02-Forestry and exploitation of forests, of NKD Rev. 2.

### 3.4 Statistical concepts and definitions

Forest represents a forest ecosystem spanning on forest land with forest types of trees and bushes, bare lands near forests and other bare lands and meadows within forest, forest nurseries, forest roads, seed plantations, forest fire breaks, wind protection breaks/belts on area larger than 2 a, including forests in protected areas.

Volume of growing stock includes the volume of all live trees, measured in diameter at breast height (1.3 m) expressed in m<sup>3</sup> of a particular area.

Stands are part of a forest, which according to the types of trees, the structure, form and manner of cultivation, are difference from their surroundings and requires special tending measures.

Degraded forest is a forest, which has, to a considerable extent, lost its quality and ability to increase due to the adverse impact of biotic, abiotic and anthropogenic factors

Forest land is land covered with forest or that due to its natural properties is most favorable for the cultivation of forest, and land with facilities intended for forest management

Under artificial forest means classic way (by sowing seeds or planting seedlings), which are three years old and the success of afforestation determined at year-end report that exceeds 30%.

Under plantation forest raised means cultures obtained from selected material from poplar or quality seedlings of coniferous species with rapid growth and use of modern agro-technical measures, two years old.

Commercial forests are primarily used for the permanent production of wood assortments and other forest products and services.

Protective forests are primarily used to protect land, water, settlements, infrastructure systems and facilities, and other property.

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Special function can be defined as: forest and hunting reserves, park forests, memorial forests, forests for production of forest seeds, forests and picnic for the science, teaching and defense.

Forests for the needs of science and teaching are designated for the education of professionals in the field of forestry and for research purposes..

### 3.5 Statistical unit

Statistical units: business entities manage with forests that are engaged and belonging to sector A (Division 02) of NKD Rev. 2.

### 3.6 Statistical population

Trees species from state and private forests belonging to sector A (Section 02) of NKD Rev. 2.

### 3.7 Reference area

Regions

### 3.8 Time coverage

Since of 1955.

### 3.9 Base period

## 4 Unit of measure

### 4 Unit of measure

In hectares, m<sup>3</sup> and m<sup>3</sup>/ha.

## 5 Reference period

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Year.

## 6 Institutional mandate

### 6.1 Legal acts and other agreements

National: Law on State Statistics ("Official Gazette of the Republic of Macedonia" No. 54/97, 21/07, 51/11, 104/13, 42/14 and 192/15), Programme of Statistical Surveys 2013-2017 ("Official Gazette of the Republic of Macedonia" No. 20/13, 24/14 and 13/15)

International: in accordance with the definitions and indicators for Forest Europe UNECE / FAO 2005-2010 and Council Resolution of 15 December 1998, on a forestry strategy for the European Union, OJ C 56

### 6.2 Data sharing

Data are delivered to EUROSTAT and UN/ECE FAO.

## 7 Confidentiality

### 7.1 Confidentiality - policy

Individual data are protected by the Law on State Statistics. Data collected with statistical surveys from the reporting units or indirectly from administrative or other sources are confidential data and are used only for statistical purposes. Results from the statistical processing may also generate information considered as confidential, for example: anonymised individual data, tables with low level of aggregation, as well as unreleased data. The Policy on Statistical Confidentiality contains the basic principles used in the SSO.

### 7.2 Confidentiality - data treatment

All individual or personal data, in each phase of statistical processing, are treated as confidential data and may be used only for statistical purposes. When releasing data from this survey at an aggregated level, there is no need for additional data treatment for the purpose of ensuring confidentiality.

## 8 Release policy

## 8.1 Release calendar

Data are released in accordance with the Release Calendar, which is published on the web site of the State Statistical Office. The Release Calendar is prepared annually before the beginning of each year and is updated quarterly.

## 8.2 Release calendar access

[http://www.stat.gov.mk/Kalendar\\_nov\\_en.aspx](http://www.stat.gov.mk/Kalendar_nov_en.aspx)

## 8.3 User access

In accordance with the dissemination policy, all users have equal access to statistical data at the same time. Data are released on the web site at the same time for all users, which are informed with the Release Calendar, and no user has privileged access.

# 9 Frequency of dissemination

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Annual.

# 10 Dissemination format

## 10.1 News release

## 10.2 Publications

## 10.3 On-line database

MAKStat database available on the website of the SSO.

Number of page views in the MAKStat database - 327.

<http://makstat.stat.gov.mk/PXWeb/pxweb/mk/MakStat/?rxid=46ee0f64-2992-4b45-a2d9-cb4e5f7ec5ef>

## 10.4 Micro-data access

According to the Law on State Statistics (Article 41) and the Policy on Access to Anonymised Microdata for scientific purposes, data collected for the purpose of official statistics may be used for scientific purposes if there is no risk of direct or indirect identification, i.e. disclosure of data individuality. Access to microdata is possible only in the safe room at the SSO, based on a submitted and approved request and a signed agreement.

## 10.5 Other

Survey data are sent to Eurostat and UN/ECE/FAO.

# 11 Accessibility of documentation

### 11.1 Documentation on methodology

Methodology - Statistics of Forestry, 1998.  
Methodological explanations that are part of the publication 'Forestry'.  
[http://www.stat.gov.mk/PrikaziPoslednaPublikacija\\_en.aspx?id=7](http://www.stat.gov.mk/PrikaziPoslednaPublikacija_en.aspx?id=7)

### 11.2 Quality documentation

## 12 Quality management

### 12.1 Quality assurance

The commitment of the SSO to ensuring quality of products and services is described in the Law on State Statistics, the Strategy of the State Statistical Office ([http://www.stat.gov.mk/ZaNas\\_en.aspx?id=6](http://www.stat.gov.mk/ZaNas_en.aspx?id=6)) and the Quality Policy of the State Statistical Office ([http://www.stat.gov.mk/pdf/Politika\\_za\\_kvalitet\\_en.pdf](http://www.stat.gov.mk/pdf/Politika_za_kvalitet_en.pdf)), as well as in the continuous efforts for harmonisation with the European Statistics Code of Practice. The main aspects and procedures for quality management in the phases and sub-phases of the Statistical Business Process Model, as well as the good practices for ensuring quality are documented in the internal document called "Guide for ensuring quality of statistical processes". Input and output metadata, as well as relevant quality indicators for certain sub-processes are described in the document "Guide for survey managers".

### 12.2 Quality assessment

## 13 Relevance

### 13.1 User needs

Data on forestry has the aim to meet the needs of users in the country, as well as international organizations and users.

Domestic users of data on forestry are the Government, universities and scientific research institutions, associations of forestry, media, students and other individuals and legal entities.

Data on forestry are needed insight available quantities of wood products, production planning for future periods, the preparation of legislation, the adoption of measures to promote forestry, deciding on exports and imports, investments, loans etc.

On the basic data on the land and production provides data on the prevalence of forests and forest land, timber and growth that facilitate planning, management, utilization and preservation of forests and forest land.

### 13.2 User satisfaction

The State Statistical Office conducts the User Satisfaction Survey at the domain level. This Survey is conducted every three years and the last one was in 2015.

[http://www.stat.gov.mk/Dokumenti/izvestai/IzvestajAnketaZadovNaKorisnici2015\\_en.pdf](http://www.stat.gov.mk/Dokumenti/izvestai/IzvestajAnketaZadovNaKorisnici2015_en.pdf)

### 13.3 Completeness

In accordance with terms of indicators Forest Europe UNECE / FAO 2005-2010, the Council resolution of 15 December 1998, the forestry strategy for the European Union, OJ C 56., SSO provides about 80% of them.

## 14 Accuracy and reliability

#### 14.1 Overall accuracy

Data accuracy is ensured by working on decreasing sampling and/or non-sampling errors, as well as with additional data comparisons and analysis before dissemination.

#### 14.2 Sampling error

Survey is not conducted with random sample and there is no calculation of sampling errors

#### 14.3 Non-sampling error

Errors in coverage: It provides 100% coverage. Data providers are reminded to fulfill its obligation.  
Errors in processing: In the application for processing are implemented rules for controls and calculations of output.  
Errors in non-response: As provided full coverage, non-response errors will not ..

### 15 Timeliness and punctuality

#### 15.1 Timeliness

T+180.

#### 15.2 Punctuality

Data are disseminated within the established deadlines in accordance with the Release Calendar.

### 16 Comparability

#### 16.1 Comparability - geographical

There is geographical comparability of the released data at national and regional level. With respect to geographical comparability with other EU countries, it is also ensured because data are collected in line with EU regulations.

#### 16.2 Comparability - over time

Time Series since of 1955 and no interruption of time series.  
Number of reference periods in the time series since the last interruption is 61.

### 17 Coherence

#### 17.1 Coherence - cross domain

The data are coherent between different parts of statistics on forestry.  
Coherence with other areas is not ensured.

#### 17.2 Coherence - internal

Internal coherence of data is ensured.

### 18 Cost and burden

#### 18 Cost and burden

## 19 Data revision

### 19.1 Data revision - policy

In accordance with the Statistical Data Revision Policy.  
<http://www.stat.gov.mk/ZaNas.aspx?id=25>

### 19.2 Data revision - practice

## 20 Statistical processing

### 20.1 Source data

This statistical survey with full coverage, and includes business entities that manage with state and private forests belonging to sector A (Division 02) of NKD Rev. 2.

### 20.2 Frequency of data collection

Annual

### 20.3 Data collection

Data on forest area of state and private forests are collected by statistical questionnaire:  
"Forst area" (SUM.13).

Enterprises fill data for an area of forest the previous year and submit to the SSO within 90 days after the reference period.

### 20.4 Data validation

Data validation is performed in accordance with the defined criteria for control. First data validation is performed by supervisors after obtaining the completed questionnaires. During data entry in the data entry application, mathematical and logical controls are incorporated, as well as additional controls after the data entry. Validation of data is performed on the finished results before their publication.

### 20.5 Data compilation

Editing: Data received from businesses, verification and eventual correction in consultation with the reporting units are entered on an electronic medium by application embedded on-line controls.

Imputation: There is an imputation of nonresponses with data from the previous period.

### 20.6 Adjustment

Data adjustment is not performed.

## 21 Comment

21 Comment

