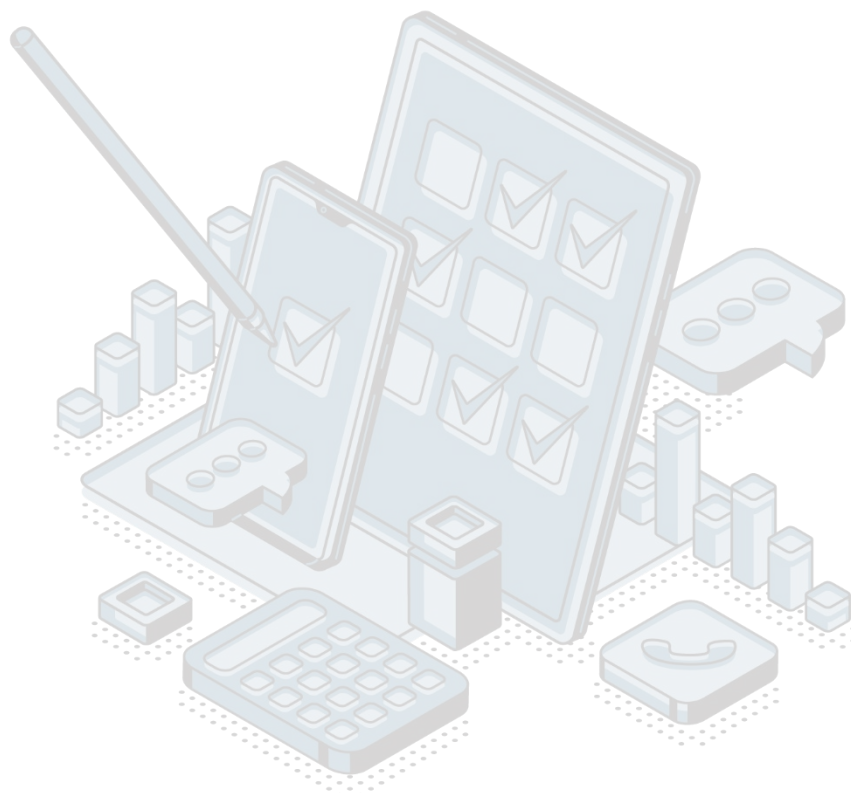


QUALITY REPORT

Innovative activities of enterprises 2022



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Table of contents:

| | |
|--|----------|
| 1. Introduction – Basic information on survey | 3 |
| 1.1 Purpose, goal, and subject of survey..... | 3 |
| 1.2 Legal basis..... | 3 |
| 1.3 Statistical units..... | 3 |
| 1.4 Coverage and scope of survey..... | 3 |
| 1.4.1 Sectors..... | 3 |
| 1.4.2 Statistical population..... | 3 |
| 1.5 Reference geographical area..... | 3 |
| 1.6 Concepts and definitions..... | 3 |
| 1.7 Classifications..... | 4 |
| 1.8 Frequency of data collection..... | 4 |
| 1.9 Dynamics of data collection..... | 4 |
| 1.10 Methodology..... | 4 |
| 1.11 Base period..... | 4 |
| 1.12 Unit of measure..... | 4 |
| 1.13 Data source..... | 4 |
| 1.14 Method of data collection..... | 4 |
| 2. Relevance – data users | 4 |
| 2.1 User needs..... | 4 |
| 2.2 User satisfaction..... | 5 |
| 3. Accuracy and reliability | 5 |
| 3.1 Accuracy – overall..... | 5 |
| 3.2 Sampling error..... | 5 |
| Sampling error indicators..... | 5 |
| 3.3 Non-sampling error..... | 5 |
| 3.3.1 Coverage error..... | 5 |
| 3.3.2 Measurement error..... | 5 |
| 3.3.3 Non-response error..... | 5 |
| 4. Timeliness and punctuality | 5 |
| 4.1 Timeliness..... | 5 |
| Time lag of preliminary results..... | 6 |
| Time lag of final data..... | 6 |
| 4.2 Punctuality..... | 6 |
| 5. Availability and clarity | 6 |
| 5.1 Statistical Release Calendar..... | 6 |
| 5.2 Access to Statistical Release Calendar..... | 6 |
| 5.3 Releases..... | 6 |
| 5.4 Publications..... | 6 |
| 5.5 Online database..... | 6 |
| 5.6 Access to microdata..... | 6 |
| 5.7 Metadata occupancy..... | 7 |
| 6. Comparability | 7 |
| 6.1 Spatial comparability..... | 7 |
| 6.2 Time comparability..... | 7 |
| Time comparability indicator..... | 7 |

1. Introduction – Basic information on survey

1.1 Purpose, goal, and subject of survey

The purpose of innovation statistics is to obtain data on innovative activities in industry and selected services, on the number of enterprises engaged in the process and/or production of innovations in the observed period, on enterprises that have ongoing or no innovative activities, how many funds have been invested in innovative activities, cooperation with other enterprises, institutions and users of innovations in development, as well as the effects of innovative activities.

1.2 Legal basis

The Law on Official Statistics and Official Statistical System (Official Gazette of Montenegro No 18/12 i 47/19) defines provisions for collection, processing, and dissemination of data. The Law provides to the Statistical Office legal powers to collect and access the data necessary for the implementation of Programme and Annual Plan. The Law gives a priority to the use of administrative data and right of access to individual data that are a result of survey of other official statistical producers.

1.3 Statistical units

Statistical units are enterprises that have 10 or more persons employed from certain sectors according to NACE Rev. 2

1.4 Coverage and scope of survey

1.4.1 Sectors

Statistical units are enterprises that have 10 or more persons employed from certain sectors according to NACE Rev. 2: Section B - "Mining and quarrying"; Section C - "Manufacturing"; Section D - "Electricity, gas, steam and air conditioning supply"; Section E - "Water supply, sewerage, waste management and remediation activities"; Section F - "Construction"; Section G - "Wholesale and retail trade; repair of motor vehicles and motorcycles"; Section H - "Transport and storage"; Section I - "Accommodation and food service activities"; Section J - "Information and communication"; Section L - "Real estate activities"; Section M - "Professional, scientific and technical activities"; Section N - "Administrative and support service activities";

1.4.2 Statistical population

The sampling frame is based on the data from the Business Register of the Statistical Office of Montenegro, which includes all enterprises from certain sectors according to the NACE Rev. 2 classification that have 10 or more persons employed.

1.5 Reference geographical area

Montenegro

1.6 Concepts and definitions

Innovations are new or improved products (goods or services) or processes that meet three requirements:

1. Differs significantly from products previously offered on the market or processes used within the enterprise;
2. Implemented: on the market or in use by the enterprise;
3. At a minimum it is new to the enterprise. An innovation does not have to be „new to the market“ nor „new to the world“.

Innovation activities include all developmental, financial and commercial activities, undertaken by a business, that are intended to or result in an innovation for the business.

A product innovation is a new or improved good or service that differs significantly from the enterprises previous goods or services and that has been introduced on the market.

A business process innovation is a new or improved business process for one or more business functions (production process, distribution method, product support activity, etc.) that differs significantly from the enterprises previous business processes and that has been brought into use in the enterprise. Innovation should have a visible impact on the level of productivity, product/service quality, production/distribution cost. Introduced procedures that enabled the introduction of product innovations are also counted as process innovations.

1.7 Classifications

Statistical classification of economic activities - NACE Rev. 2

1.8 Frequency of data collection

Two-year survey.

1.9 Dynamics of data collection

Two-year survey dynamics - final data.

1.10 Methodology

Methodological guide for marriage statistics is available at the website of Statistical Office, link: [https://www.monstat.org/uploads/files/inovacije/Innovation%20activities%20of%20enterprises_Methodology_ENG\(1\).pdf](https://www.monstat.org/uploads/files/inovacije/Innovation%20activities%20of%20enterprises_Methodology_ENG(1).pdf)

1.11 Base period

Not relevant.

1.12 Unit of measure

The unit of measurement in the survey are percentages (%).

1.13 Data source

Reporting method.

1.14 Method of data collection

Reporting method/ Paper form.

2. Relevance – data users

2.1 User needs

International users:

 Eurostat;

National users:

 Ministry of science;

- ✚ Ministry of Economic Development;
- ✚ Students;
- ✚ Researchers;
- ✚ Media.

2.2 User satisfaction

The Statistical Office has adopted the Quality Management Strategy, the Guide for the Implementation of the Quality Management Strategy, as well as the Implementation Plan for the Implementation of the Quality Policy. In order to measure the degree to which it fulfills its obligations towards users and as part of the new quality policy, the Directorate for Statistics conducted a survey on user satisfaction.

The results of the research are available on the website of the Statistical Office, link: <https://www.monstat.org/eng/page.php?id=1502&pageid=1>

3. Accuracy and reliability

3.1 Accuracy – overall

In Innovative activities of enterprises usage surveys results are based on the sample of population they are subject to the usual types of errors associated with sampling techniques, such as sampling errors, non-sampling errors, measurement errors, processing errors, and non-response.

3.2 Sampling error

Not relevant.

Sampling error indicators

Not relevant.

3.3 Non-sampling error

Not relevant.

3.3.1 Coverage error

The Statistical Office has adopted 'Revision policy' and it is available on the website: <https://www.monstat.org/eng/page.php?id=1411&pageid=3>

3.3.2 Measurement error

Published data are considered final except in the case of methodological changes and the introduction of new classifications, as a result which are subject to revision.

3.3.3 Non-response error

Not relevant.

4. Timeliness and punctuality

4.1 Timeliness

Release Innovative activities of enterprises were published in July 2022.

Time lag of preliminary results

Not relevant.

Time lag of final data

The data are published on the date provided for in the Annual Plan and the Statistical Data Publication Calendar. There is no difference between the planned and actual announcement.

4.2 Punctuality

Deadlines of dissemination of the innovative activities of enterprises data at the website are defined in the Statistical Release Calendar. Indicator TP3 (punctuality) is 0, there is no difference between the planned and the actual publication. That means that the Release is published in accordance with Statistical Release Calendar.

5. Availability and clarity

5.1 Statistical Release Calendar

The Law on Official Statistics and the System of Official Statistics ("Official Gazette of Montenegro" no. 18/12 and 47/19) prescribes that the producers of official statistics prepare, update and publish the Calendar of publication of statistical data.

It is published on the website of the Administration for Statistics no later than December 20 for the following year, for all producers of official statistics, which includes the dates of publication of statistical data.

Any change in the publication date in the Calendar is announced in advance in accordance with the Procedure on unplanned revisions.

5.2 Access to Statistical Release Calendar

The calendar of publication of statistical data is available at the following link: [Release Calendar](#)

5.3 Releases

The releases is published every second year and is available on the website at the following link: <https://www.monstat.org/eng/page.php?id=1801&pageid=1800>

5.4 Publications

All publications published by the Statistical Office are available at the following link: <https://www.monstat.org/eng/publikacije.php?id=100>

5.5 Online database

Not available.

5.6 Access to microdata

The Law on Official Statistics and the System of Official Statistics ("Official Gazette of Montenegro" No. 18/12 and 47/19) regulates the rules under which external users can gain access to individual data for research purposes. Article 58 defines the types of scientific and research organizations that can receive such data. The provision of individual data without identifiers is possible only at the written request of scientific and research institutions, for the purpose of carrying out scientific and research activities, as well as international

statistical organizations and producers of statistics from other countries. The research subject signs the Agreement with the Statistical Office, as well as the Declaration on respect for the principle of confidentiality. Producers of official statistics keep special records on the users and on the purpose for which the statistical data are made available.

5.7 Metadata occupancy

Metadata completion rate represents the ratio of the number of completed metadata data in relation to the total number of acceptable metadata fields. For this research, the metadata data completion rate is 100%.

6. Comparability

6.1 Spatial comparability

Data publication is in accordance with Eurostat's methodology and national requirements. The survey of innovation activities of enterprises is harmonized with the Implementing Regulation (EU) no. 995/2012 and the Oslo Manual (4th edition).

6.2 Time comparability

A usable time series of data is available since 1921.

Time comparability indicator

Not relevant.