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QUALITY REPORT 2017

Municipal waste

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1. Introduction – Basic information about the survey

1.1 Purpose, goal and subject of the survey

Data on municipal waste are collected through three surveys: Survey on municipal waste, Survey on amount of waste imported to landfill sites and Survey on collection and processing of waste. The aim of these surveys are collected, processing and dissemination data on quantities of collected municipal waste by Public utility enterprises, quantities of collected municipal waste by enterprises and natural persons and quantities of produced municipal waste.

1.2 Legal basis

The Law on Official Statistics and Official Statistical System ("Official Gazette of Montenegro" No 18/12) defines provisions for collection, processing, and dissemination of data. The Law provides to the Statistical Office clear and wide 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. As an annex to legal provisions, Statistical Office has signed several memoranda on cooperation with administrative data providers. During the developing of instruments for survey were used Regulation 2150/2002 of the European parliament and of the council of 25 November 2002 and Regulation 849/2010 amending Regulation (EC) No 2150/2002 of the European Parliament and of the Council on waste statistics of 27 September 2010.

1.3 Statistical units

Reporting units for Survey on municipal waste are public utility enterprises which the Secretariat for Local Government issued a permit for performance public service of communal waste collection and transportation, and they perform this activity on the whole territory of Montenegro; for survey on amount of waste imported to landfill sites reporting units are enterprises that manage landfill sites and for survey on collection and processing of waste are enterprises that engaged in the import, processing or disposal of waste in the reference year, and which have a permit from Nature and Environment Protection Agency.

1.4 Coverage and scope of survey

1.4.1 Sectors

Not available.

1.4.2 Statistical population

All public utility enterprises, enterprises that manage landfill sites and enterprises that engaged in the import, processing or disposal of waste in the reference year, and which have a permit from Nature and Environment Protection Agency.

1.5 Reference geographical area

Montenegro

1.6 Concepts and definitions

Waste is any substance or object which the holder discards or intends to or is required to discard according to Law on waste management ("Official Gazette of Montenegro" No 064/11 from 29.12.2011, 039/16 from 29.06.2016).

Municipal waste is the waste that appeared in households or during operations which are similar by their characteristics to the waste appeared in households.

Mixed municipal waste is the waste from the household left after separation of some municipal waste fractions for which the possibility of selective collection is envisaged including communal waste packaging.

1.7 Classification

Rulebook on waste classification and waste catalogue ("Official Gazette of Montenegro" No 59/13 from 26.12.2013) European List of Waste - LoW Statistical classification of waste

<http://www.monstat.org/eng/page.php?id=473&pageid=104>

Statistical classification of waste <http://www.monstat.org/eng/page.php?id=473&pageid=104>

1.8 Frequency of data collection

Data are collected annually.

1.9 Frequency of data dissemination

Data dissemination frequency is annual. Data are submitted to Eurostat in November each year for the previous year.

1.10 Methodology

Not available.

1.11 Unit of measure

kg, tonnes

1.12 Data source

Data are collected from public utility enterprises which the Secretariat for Local Government issued a permit for performance public service of communal waste collection and transportation, enterprises that manage landfill sites and enterprises that engaged in the import, processing or disposal of waste in the reference year, and which have a permit from Nature and Environment Protection Agency.

1.13 Method of data collection

Reporting method is used for data collection.

2. Relevance - data users

2.1 User needs

International users:

1. Eurostat;
2. World Bank;
3. UN organizations;
4. International Monetary Fund.

National users:

1. Ministries and other public administration bodies;
2. Local government and other local government bodies;
3. Central bank;
4. non-governmental organizations;
5. students;
6. researchers;
7. media.

2.2 User satisfaction

The Statistical Office has adopted the Quality Management Strategy, the Guidebook to the Implementation of the Quality Management Strategy, as well as the Plan for the Implementation of the Quality Policy. In order to measure the degree to which fulfills obligations towards users and within the new quality policy, the Statistical Office conducted User satisfaction survey. Data collection was carried out through a web survey, in the period from 1 September to 20 October, 2017. The results of the survey are available on the Statistical Office website, link: <http://www.monstat.org/userfiles/file/KVALITET/Izvjestaj%20o%20zadovoljstvu%20korisnika%20eng.pdf>

3. Accuracy and reliability

3.1 Accuracy – overall remark

Data are obtained by the reporting method, so they are subject to the usual types of errors - mistakes in processing. In order to prevent the occurrence of errors, appropriate actions are taken to identify and eliminate potential sources of error.

3.1.1 Error of measurement

Error of measurement are corrected based on logic-numeric controls, comparing data with previous years, administrative data sources, the other surveys and contacting reporting units for data verification.

3.1.2 Non-response error

Not available.

Unit non-response rate (A3)

Not relevant.

Item non response rate

Not relevant.

3.1.3 Processing error

Not available.

Imputation rate

Not available.

3.2 Data revision

3.2.1 Data revision policy

The Statistical Office of Montenegro has adopted the audit policy and is available on the web site <http://www.monstat.org/cg/page.php?id=1493&pageid=1493>

3.2.2 Data revision practice

Not available.

3.2.3 Data revision - average size (A6)

Not available.

4. Timeliness and punctuality

4.1 Timeliness

According to the Annual Plan of Official Statistics and Statistical Release Calendar, the deadline for the publication of the Release on municipal waste is April 18 of the current year. Data relate to the previous year.

Time lag of the first results

Not relevant.

Time lag of the final results

Time lag of the final results is the number of months from the last day of the reference period to the day of publication of complete and final results. It is expressed as number of days or months since the last date of the reference period until the date of dissemination of final results (in the form $T + n$, where n is a number of days or months). $T1 = d_{finl} - d_{refp} = 4 (T + 4)$.

4.2 Punctuality

According to the Annual Plan of Official Statistics and Statistical Release Calendar, deadline for publishing the publication of Release on municipal waste data was 18 April, and the data were published on 5 June, 2018 (47 days after the planned deadline).

5. Availability and clarity

5.1 Release calendar

The Law on Official Statistics and Official Statistical System ("Official Gazette of Montenegro" No 18/12) stipulates that official statistical producers prepare, update, and publish Statistical Release Calendar. It is published on the website of Statistical Office not later than 20 December for the next year, for all official statistical producers that includes date of releasing statistical data. Any change in date of releasing in the Calendar is published in advance in accordance with the Procedure on Unplanned Revisions.

5.2 Release calendar access

<http://www.monstat.org/eng/page.php?id=12&pageid=12>

5.3 Releases

Releases on municipal waste are available on the official website at the following link:

<http://www.monstat.org/eng/page.php?id=1011&pageid=64>

5.4 Publication

Not available.

5.5 Online database

Online database is available on the web site of Statistical Office: <http://monstat.org/cg/pxweb.php>

5.6 Availability of microdata

The Law on Official Statistics and Official Statistical System ("Official Gazette of Montenegro" No 18/12) regulates rules under which external users can obtain an access to individual data for needs of research. Article 58 defines types of scientific and research organizations that can obtain such data. Providing individual data without identifier is possible only upon a written request of scientific and research institutions, with purpose of performing scientific and research activities as well as international statistical organizations and statistical producers from other countries. Research entity signs the agreement with Statistical Office, and it signs the statement on respecting the confidentiality principle. Official statistical producers keeps a separate records on users and purpose of using the statistical data given to these users.

5.7 Metadata completeness

Not available.

6. Comparability

6.1 Comparability - geographical

The survey on municipal is in line with international standards and data are comparable with the EU countries.

6.2 Comparability over time

In order to obtain comparable data in accordance with international standards, i.e. Regulations on Waste Statistics 2150/2002, for the period from 2011 to 2015 the data on municipal waste were recalculated.