



Republika e Kosovës/Republika Kosova/Republic of Kosovo  
*Qeveria - Vlada - Government*  
Zyra e Kryeministrit -Ured Premijera -Office of the Prime Minister  
*Agjencia e Statistikave të Kosovës - Agencija za Statistiku Kosova -  
Statistical Agency of Kosovo*

## Series 2: Agriculture and Environment Statistics

# Municipal Waste Survey 2010



ENTI I STATISTIKËS SË KOSOVËS  
ZAVOD ZA STATISTIKU KOSOVA  
STATISTICAL OFFICE OF KOSOVA





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## Foreword

Statistical Agency of Kosovo, namely the Department of Agriculture and Environmental statistics, for the fourth time carried on with the Municipal Waste Survey.

The purpose of this survey is to provide stable statistical data for municipal waste sector in Kosovo.

The results presented in this publication provide a statistically significant source for the current state of this sector.

All statistical instruments used to implement the survey are in line with the EU regulations and recommendations, including Kosovo Waste Law (No. 02/L-30).

SAK thanks Swedish International Development Cooperation Agency (SIDA), Swedish statistics experts for providing technical assistance and Statistics Sweden long-term adviser Mrs. Milva Ekonomi.

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December, 2011

Chief Executive Officer, SAK  
Isa Krasniqi

## Abbreviations and acronyms

|       |   |
|-------|---|
| EU    | European Union  |
| SAK   | Statistical Agency of Kosovo                          |
| MESP  | Ministry of Environment and Spatial Planning          |
| KEPA  | Kosovo Environment Protection Agency                  |
| SIDA  | Swedish International Development Cooperation Agency  |
| WWRO  | Water and Waste Regulatory Office                     |
| MPC   | Municipal Public Company                              |
| DTD   | Door to Door  |
| CD    | Collective Dwelling                                   |
| DPS   | Department of Population statistics                   |
| DAES  | Department of Agriculture and Environment statistics  |
| DPSIR | Driving forces, Pressure, State, Impact and Respons   |
| OECD  | Organisatio for Economic Co-operation and Development |
| EEA   | European Environment Agency                           |

## Symbols

|           |                     |
|-----------|---------------------|
| Kg/person | Kilogram per person |
| kg        | Kilogram            |
| t         | Tonne               |
| %         | Percentage          |

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## **Content**

Municipal waste survey in Kosovo was conducted according to DPSIR model, used by all OECD countries, Eurostat, European Environment Agency (EEA) and in line with the Environment European Agency list of indicators.

### **1. Objective, methodology of survey**

#### **1.1. Objective**

**Objective** of the municipal waste survey 2010 was to obtain information on waste according to;

- Type
- Quantity of collected waste

Also, this publication aims to provide the basis for monitoring municipal waste in the future in this sector.

#### **1.2. Methodology**

##### **1.2.1 Frame survey**

All the survey procedures were prepared during September – October 2011, activities such as:  
Questionnaire preparation, instructions, questionnaire test in the municipal companies that treat (manage) waste before the starting date of the survey.

The prepared material was distributed to all regional statistical of SAK.

### 1.2.2 Field procedures

Fieldwork was conducted by our collaborators in regional offices who conducted direct interviews with managers of companies in their region, based on questionnaires (Anex 1).

Examination of the data is done at two levels:

- (i) Examination of completed questionnaires in the field by field supervisors.
- (ii) Examination of questionnaires completed at the head office in SAK, the staff of the Department of Statistics of Agriculture and Environment

## 2. Definition

**Municipal waste** - is waste from households, as well as waste from other activities which because of their nature and composition, are similar to those of the household.

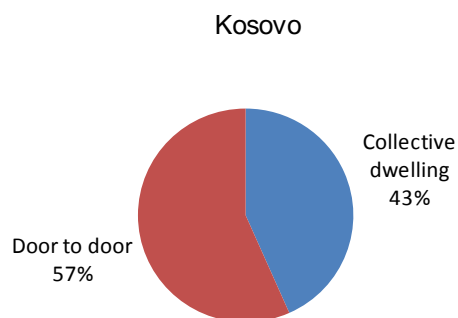
### 3 Results

**Table 1: Amount of municipal waste collected by plac of disposal, 2010**

| Place of collection                  | Collective dwelling | Door to door | Total |
|--------------------------------------|---------------------|--------------|-------|
| Unit                                 | 1000 ton            |              |       |
| Pristina and the region <sup>1</sup> | 92                  | 130          | 222   |
| Other regions in Kosovo              | 131                 | 162          | 293   |
| Kosovo total                         | 223                 | 292          | 515   |

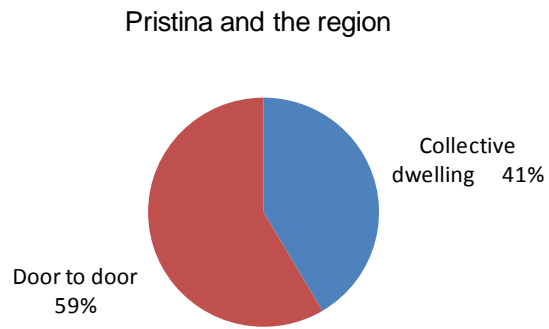
Total amount of municipal waste collected in Kosovo in 2010 was 515 000 tonnes.

**Figure 1: Structure of the waste collected in 2010**

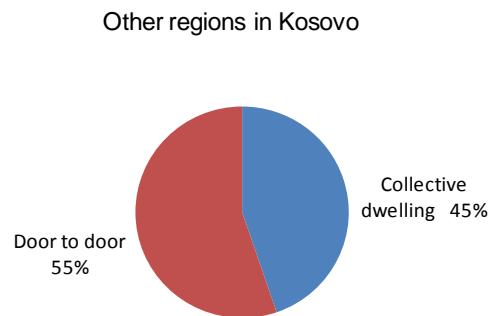


<sup>1</sup>Pristina, Obiliq, Glogoc, Fushë Kosova, Lipjan, Graçanica and Podujeva

**Figure 2: Structure of the waste collected for Pristina and region**



**Figure 3: Structure of the collected waste to other regions in Kosovo**



**Table 2: Amount of municipal waste per person in 2010**

| Place of collection       | Collected quantity | Population <sup>2</sup> | kg./banorë/ vit | Waste / person per day |
|---------------------------|--------------------|-------------------------|-----------------|------------------------|
| Unit                      | 1000/ton           |                         |                 | kg/inhabitants         |
| Pristina and the region   | 222.000            | 434.754                 | 511             | 1.4                    |
| Other region sin Kosovo   | 293.000            | 1.299.118               | 226             | 0.6                    |
| Kosovo total <sup>3</sup> | 515.000            | 1.733.872               | 297             | 0.8                    |

In Kosovo, the 2010 data show that the average municipal waste generated was 297 kg per person per year. While significant differences are observed between regions, as for example, in other regions in Kosovo the amount of municipal waste collected was 226 kg per capita per year.

In Kosovo, waste collection door to door was 57 percent, while the collective dwelling was 43 percent.

In other regions in Kosovo municipal waste collection was 45 percent compared to collective dwelling and 55 percent in residential door to door.

In Pristina and its region the amount of municipal waste was 1.4 kg per day per person.

For the rest of Kosovo, the quantity of municipal waste collected per person per day was 0.6 kg (see Table 2).

<sup>2</sup> SOK-PCO, preliminary data from the Population Census, Household and Dwellings in Kosovo in 2011.

<sup>3</sup> Total Kosovo; not included data for municipalities, Zvecan, Zubin Potok, Leposavic and part of Mitrovica in the 2011 Census.

#### 4 Comparison of data in 2008-2010 for municipal waste

**Table 3: Amount of municipal waste collected in Kosovo per person per day 2008 - 2010**

| Place of collection     | 2008               |                |                  | 2009               |                |                  | 2010               |                |                  |
|-------------------------|--------------------|----------------|------------------|--------------------|----------------|------------------|--------------------|----------------|------------------|
|                         | Collected quantity | Waste          | Waste/person/day | Collected quantity | Waste          | Waste/person/day | Collected quantity | Waste          | Waste/person/day |
| Unit                    | 1000/ ton          | Kg/inhabitsnts |                  | 1000/ ton          | Kg/inhabitsnts |                  | 1000/ ton          | Kg/inhabitsnts |                  |
| Pristina and the region | 198                | 396            | 0.9              | 218                | 436            | 1.2              | 222                | 511            | 1.4              |
| other regions in Kosovo | 153                | 95             | 0.3              | 187                | 117            | 0.3              | 293                | 223            | 0.6              |
| <b>Kosovo total</b>     | <b>351</b>         | <b>167</b>     | <b>0.5</b>       | <b>405</b>         | <b>193</b>     | <b>0.5</b>       | <b>515</b>         | <b>297</b>     | <b>0.8</b>       |

In 2010, the collection of municipal waste calculated per day per person in Pristina and its region was 1.4 kg, while in other regions of Kosovo 0.6 kg.

In Kosovo, the average waste collected per person per day was 0.8 kg

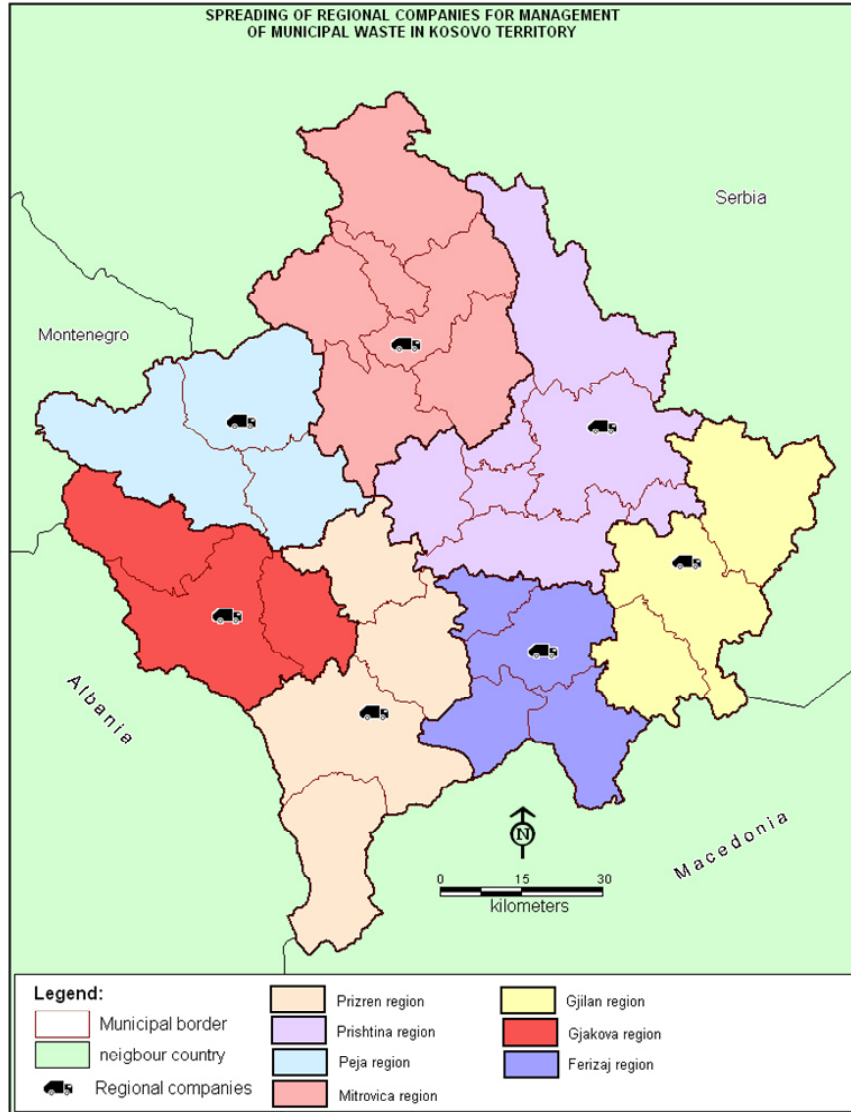
In Pristina and its region data for 2010 show that there was an increase in waste collection for residents to 17 percent, compared to 2009.

**Table 4: Amount of municipal waste collected in Kosovo 2008-2010**

| Place of collection     | 2008                |              |            | 2009                |              |            | 2010                |              | Total      |
|-------------------------|---------------------|--------------|------------|---------------------|--------------|------------|---------------------|--------------|------------|
|                         | Collective dwelling | Door to door | Total      | Collective dwelling | Door to door | Total      | Collective dwelling | Door to door |            |
| Unit                    | 1000/ton            |              |            |                     |              |            |                     |              |            |
| Pristina and the region | 82                  | 116          | 198        | 98                  | 120          | 218        | 92                  | 130          | 222        |
| Other regions in Kosovo | 45                  | 108          | 153        | 76                  | 111          | 187        | 131                 | 162          | 293        |
| Kosovo total            | 127                 | 224          | <b>351</b> | 174                 | 231          | <b>405</b> | 223                 | 292          | <b>515</b> |

Quantity of municipal waste collected by municipal and private companies in 2010 increased by 27 percent compared to 2009.

# Map of Kosovo





## **Anex 1 Questionnaire**



**Table 1: Municipal waste collected by private and regional companies, by place of generation (01.01-31.12.2010)**

**Location of waste generation**

| Municipality (name) | Municipality Code<br>(filled in by SAK) | Number of<br>settlement used<br>by public<br>services | Amount of municipal waste collected by place of<br>generation |     |       |   |
|---------------------|---|---|---|-----|-------|---|
|                     |   |   | amount (tonnes )  |     |       |   |
|                     |   |   | KD  | DTD | Total |   |
| a                   | 1                                       | 2   | 3   | 4   | 5     | 6 |
| 1                   |   |   |   |     |       |   |
| 2                   |   |   |   |     |       |   |
| 3                   |   |   |   |     |       |   |
| 4                   |   |   |   |     |       |   |
| 5                   |   |   |   |     |       |   |
| 6                   |   |   |   |     |       |   |
| 7                   |   |   |   |     |       |   |
| 8                   |   |   |   |     |       |   |
| 9                   |   |   |   |     |       |   |
| 10                  |   |   |   |     |       |   |
| 11                  |   |   |   |     |       |   |
| 12                  |   |   |   |     |       |   |
| 13                  |   |   |   |     |       |   |
| 14                  |   |   |   |     |       |   |
| 15                  |   |   |   |     |       |   |
| 16                  |   |   |   |     |       |   |
| 17                  |   |   |   |     |       |   |
| 18                  |   |   |   |     |       |   |
| 19                  |   |   |   |     |       |   |
| 20                  |   |   |   |     |       |   |
| 21                  |   |   |   |     |       |   |
| 22                  |   |   |   |     |       |   |
| 23                  |   |   |   |     |       |   |
| 24                  |   |   |   |     |       |   |
| 25                  |   |   |   |     |       |   |
| 26                  |   |   |   |     |       |   |
| 27                  |   |   |   |     |       |   |
| 28                  |   |   |   |     |       |   |
| 29                  |   |   |   |     |       |   |
| 30                  |   |   |   |     |       |   |
|                     | Total                                   |   |   |     |       |   |

\*Note:

- In column 4 enter the waste collected by collective dwellings
- In column 5 enter the waste collected door to door, evaluate to 0, 2 tons a m<sup>3</sup> of waste



## **Statistical Agency of Kosovo, a brief description**

**Statistical Agency of Kosovo (SAK)** is a professional office operating since 1948. The SAK passed through some of the historic phases and it has been structured by the state rule of that time. SOK restarted its work on August 2, 1999, as an independent and professional office working in the frames of the Ministry of Public Administration (MPA). Since 12.12.2011 the Agency operates in the frames of the Prime Minister's Office. SAK is financed by the Kosovo Consolidated Budget and by donors for the various projects.

**Statistical Agency of Kosovo** acts according to the Law No. 04/L-036 which entered into force on 12.12.2011. A medium-term Master Plan is being developed for the statistical system of Kosovo compatible with the European Statistics.

**SAK Mission** is to fulfill the needs of the users with the reliable statistical data and with regular analyses in order to support and provide government departments with the proper information for decision-making process including other users as well.

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