## Capital factsheet on separate collection

**Note**: This 'Capital factsheet' has been prepared within the EC study "**Assessment of separate collection schemes in the 28 capitals of the EU**". The document represents the status-quo of the EU Member States capitals in May2015. The information included in this document has been elaborated for all 28 EU-capitals based on expert interviews with various stakeholders on capital level, e.g. capital administrations, waste management operators, associations etc. as well as further publically available reports, statistics and websites.

All information is cited in the factsheet and a complete list of information sources including the interviews held can be found at the end of this document.

Bucharest	Romania

**SUMMARY**: No door-to-door systems in place, the city relies exclusively on bring points. No collection of biowaste, only dry recyclables are targeted. The capture rates of all dry recyclables are low. Improvements needed, as the performance of the bring points' system is limited. Fee system is poorly established, in one District of Bucharest the waste fee was disestablished with the last election. Data about waste management is hardly available.

1 Capital general data	
City population (inhabitants)	1 919 352
City area (km²)	228
City density (persons/km²)	8 065
City climate (mediterranean, continental, oceanic, nordic; relevant for bio-waste collection)	Continental
2. Capital waste data	
Total (municipal) waste generation (t in indicated year)	751 058 t [1]
Total (municipal) waste generation (kg/cap)	391.3 (2012) [1]
Total separate collection (kg/cap) &(% of generation)	11.7 kg/cap [1]
Percentage breakdown of total collection for separate collection by fraction	Not available

#### 3. Description of overall separate collection systems operating in capital

Municipality Bucharest is divided into 6 districts (sectoare). Bucharest City Hall (PMB) is organized and operates according to Local public administration Law no. 215/2001 and in accordance with the decisions of the Bucharest Municipality General Council. Currently waste is collected separately in pilot projects. Municipal waste collection is performed by private sanitation operators holding contracts with District Halls of districts 1 to 6.

Currently, in the Municipality of Bucharest 5 private operators exist responsible for municipal waste collection and transportation, namely:

- SC ROMPREST SERVICE SA;
- SC SUPERCOM SA;
- SC ROSAL SA;
- SC RER Ecologic Service Bucureşti REBU SA;
- SC URBAN SA

In most districts, there are only bring containers of 1.1 m<sup>3</sup> available for all dry recyclables, bell type containers of 2.5 - 3 m<sup>3</sup>. Also, bags for separate waste collection have been distributed to households, schools and businesses. [1]





**Paper and cardboard, glass, plastic and metal:** In several locations in the 1-6 districts bell type containers or bins are placed for the separate collection of all dry recyclable fractions together in one bin. In addition, specific bins were provided to households, schools and businesses in District 4.

In Municipality of Bucharest the separate collection is performed as follows:

**District 1** – in 230 locations, bell type containers of 2,5 m<sup>3</sup> were placed for separate collection of paper, plastic and metal and glass and in 250 locations containers of 1,1 m<sup>3</sup> for separate collection of plastic and metal, paper and cardboard, glass.

**District 2** - in 108 locations 300 bell type containers of 2,5 m<sup>3</sup> were located for separate collection of paper and cardboard, plastic and metal and glass.

**District 3** – in 28 locations 56 bell type containers of 1 m<sup>3</sup> were located for separate collection of paper and cardboard, plastic, and in 31 locations 89 bell type containers of 2,5 m<sup>3</sup> for paper and cardboard, plastic and metal and glass.

**District 4** - in 26 locations 78 bell type containers of 1,2 m<sup>3</sup> were located for separate collection of paper and cardboard, plastic and metal and glass. In addition:

- at 208 households 474 containers of 1,1 m<sup>3</sup> 84 bins of 240 l, 6 bins of 120 l, 2 containers of 4 m<sup>3</sup> were distributed for separate collection of paper -cardboard, plastic, glass waste;
- at 710 businesses and institutions, 778 containers of 1,1 m3, 438 bins of 240 l, 199 bins of 120 l were distributed for separate collection of paper -cardboard, plastic, glass waste
- at 64 schools 12 containers of 1,1 m3, 10 bins of 240 l and bags were distributed for separate collection of papercardboard, plastic waste

**District 5** - in 37 locations 74 containers of 1,1 m<sup>3</sup> were located for separate collection of paper, plastic.

**District 6** - on public domain 120 locations were created and bell type containers of 3 m<sup>3</sup> were placed for seperate collection of paper, plastic and in 113 locations bell type containers of 3 m<sup>3</sup> for separate collection of glass waste. Also, in 23 points containers of 1,1 m<sup>3</sup> are placed for separate collection of paper and plastic, and in 22 points containers of 1,1 m<sup>3</sup> for glass.

The separate collected waste is then transferred separately by private operators via various vehicles (waste trucks, lorries etc.)

Bio-waste: until now, no separate collection of bio-waste takes place. [1]

No separate or co-mingled door-to-door collection of dry recyclables is established in Bucharest.

## Annual Running Costs: Not available

Setup costs: Not available

Coverage: ~ 15% from population [1]

## 4. Elements of the collection system

## MUNICIPALITIES OR THEIR CONTRACTORS



Bring Collection Points - Co-mingled in one container

Fractions collected	Paper, glass, plastic, metal (additional fraction: wood) [1]			
Number of collection	988 (total)			
points	51.5 (per 100 000 inhabitants)			
Collected quantities	Paper: 8 413 t [1]			
in 2014	Plastic: 9 202 t [1]			
	Glass: 3 282t [1]			
	Metals: 915 t [1]			
	Wood: 700t [1]			
Setup costs	Not available			
Running costs	Not available			
Source of funding	Waste budget			
Cost to consumer	Not available, in one district no waste fee/tax			





#### 5. Materials, Quantities and costs

#### **SUMMARY OF COLLECTION SYSTEMS IN PLACE**

Collected waste (t)	Paper	Glass	Plastic	Metal	Bio-waste	City Coverage
Door-to-door						
Co-mingled						
Bring points	8 413	3 282	9 202	915		988 + 15% of population
Civic amenities						
Producer / Retailer take-back						
Total	8 413	3 282	9 202	915		

# SUMMARY OF COSTS FOR SEPARATE COLLECTION SYSTEMS IN PLACE (setup costs should be total, running costs annual)

Costs (€)		ste management panies	Consumer costs				
	Setup (€)	Running (€/year)	Funding type	Amount (€)			
Door-to-door							
Co-mingled							
Bring points							
Civic amenities	Not available						
Producer / Retailer take-back							
Total							

## 6. Recycling and losses

#### **RECYCLING OF THE COLLECTED WASTE**

Recycled (t)	Paper	Glass	Plastic	Metal	Bio-waste	Total
Generated	Not available					
Collected	8 413	3 282	9 202	915		22 512 (including wood)
Recycled nationally						
Exported for recycling	Not available					
Rejected						





## References

[1] Data provided by Municipality of Bucharest, Directia Utilitati Publice - Serviciul Managementul Deseurilor si Salubritate by Elena Bercus. March 2015.

