



# Waste management system in Warsaw

## CHALLENGES

Round table: Re-shaping of waste management systems

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## Some demographic data

- **Served population:**
  - 1,753 million (2016) - only the registered inhabitants
  - estimated - as high as 2,5 million
- **Area of intervention (km<sup>2</sup>): 517,24**
- **Population density (inhab/km<sup>2</sup>): 3355 (based on 1,735 million)**



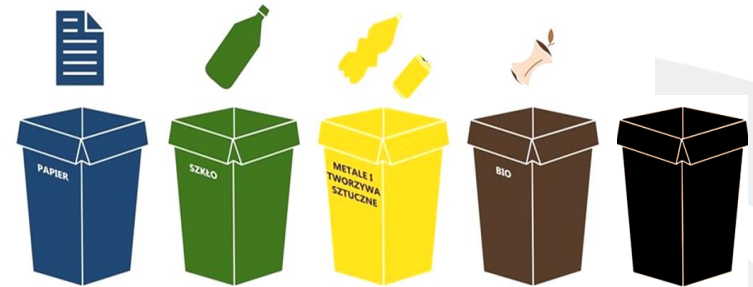
# Challenges faced - volume of waste produced in Warsaw

Type of waste	Weight of waste collected in Warsaw			
	2016		2017	
	[Mg]	[%]	[Mg]	[%]
Unsegregated (mixed) municipal waste 20 03 01	591 910,559	75,58%	585 073,738	76,51%
Waste collected selectively	191 276,704	24,42%	179 614,673	23,49%
<b>Total:</b>	<b>783 187,263</b>	<b>100,00%</b>	<b>764 688,411</b>	<b>100,00%</b>



# New rules for sorting waste (from January 2019)

- paper and cardboard
- glass
- metals, plastics and multi-material packaging
- household biowaste (kitchen waste excluding waste of animal origin such as meat products), also biowaste from HoReCa sector/markets
- „mixed waste” (unsorted mixed municipal waste)



The following will be collected separately:

bulky waste,  
e.g., a sofa, a wardrobe



green waste, e.g., leaves (at least four times a year - twice in spring and twice in autumn)



"electrowaste" - used electrical and electronic equipment will be accepted at the points of selective collection of municipal waste





# GOOD PRACTICES

## Partner – ElektroEko

- collection points in every district of Warsaw, on Saturdays from 10:00 - 14:00;
- directly from homes - the service for large WEEE (eg. washing machines, refrigerators, dishwashers), but on this occasion, also small equipment is taken.

in Civic Amenity Sites (2 points); also collection of CDW.





# Challenges

## main short-term goals

- Revision of the waste management strategy
- Reduce the amount of residual waste
- Reach the recycling level (50%)
- CAS – from 2 to 18
- Build the incineration plant (for residual waste)



# THE CAMPAIGN

promoting new rules for sorting waste – designed to meet the citizens needs

- Big informational campaign – visually attractive, eye-catching photo based campaign presenting new rules for sorting waste;
- Pictograms on dustbins and dustcarts;
- Informational stickers on dustbins or waste when wrongly selected/disposed (applicable f.ex. to CDW).





# EVENTS

## The events promoting sustainable development

- Picnics for citizens
- Meetings with property administrators
- Meetings with enterprises
- Conferences for public administration authorities and experts
- Networking with and for business



Papier



Metale i tworzywa sztuczne



Szkło



Bio



Zielone



Odpady zmieszane



Odpady wielkogabarytowe



Bio  
– gastronomia/  
targowisko





# EDUCATION

## The campaign for schools

- Target: elementary schools
- Topic: responsibility for the environment focused on the recycling and reusing
- Method: lesson plans for teachers
- Final: competition in creative activities



Papier



Metale i tworzywa sztuczne



Szkło



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# Thank you!

## Contacts

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