

Dear Sir or Madam,

This survey is carried out by the University of Warsaw. The purpose of this questionnaire is to gather information about the opinions and preferences for the management of municipal waste.

Your answers are of great importance to us – they can be used in the planning of changes in a solid municipal waste management policy in Cracow/Warsaw/Bialystok/Lublin.

Individual responses will be kept confidential. Answering all the questions, remember that we want to know your honest opinion and none of the answers is either right or wrong.

SECTION A

1. Do you currently segregate your home waste?

- a. Yes, I do -> skip the question 1a.
- b. No, I do not

1a. If you currently do not segregate your home waste, what is the main reason behind it?

- a. It's too expensive.
- b. It's too time-consuming.
- c. It takes up too much space.
- d. I'm not convinced about desirability of sorting.
- e. I prefer waste sorting to be done in a sorting station.
- f. I'd like to sort my home waste at source, but I wasn't allowed to participate in decision making.
- g. Other reason -> Please write what is the reason:

-> go straight to the question 2.

1b. What is the number of the categories by which you divide the waste?

- a. 2 categories
- b. 3 categories
- c. 4 or 5 categories
- d. more than 5 categories

1c. Please specify how do you sort your household waste: what categories to you sort your waste into:

- 1) Category 1:

- 2) Category 2:
- 3) Category 3:
- 4) Category 4:
- 5) Category 5:
- 6) Category 6:
- 7) Category 7:
- 8) ...

1d. For how long the waste has been sorted in your household?

- a. no longer than for a year
- b. for 1-2 years
- c. for 2-3 years
- d. for longer than 3 years

2. As a result of the new law implementation, on July 1, 2013 the rules of waste management were changed in many cities. Did you segregate your home waste before the new rules were put into effect?

- a. No, our home waste were not sorted.
- b. Yes, our home waste were sorted by **the same number** of categories as it is now.
- c. Yes, it was sorted, but we sorted it by **less** categories than we do now.
- d. Yes, it was sorted, but we sorted it by **more** categories than we do now.

3. Are you satisfied with the waste management changes?

- a. Completely satisfied
- b. Somewhat satisfied
- c. Neither satisfied nor dissatisfied/ DK
- d. Somewhat dissatisfied
- e. Completely dissatisfied

4. Do you think that these changes in waste management made sorting home waste at source easier for all Polish households?

- a. Definitely yes
- b. Rather yes
- c. Neither yes nor no/ DK
- d. Rather no
- e. Definitely no

5. How did the fee paid by your household for waste disposal change since 1 July, 2013?

- a. strongly increased
- b. slightly increased
- c. remained unchanged
- d. slightly decreased
- e. strongly decreased

6. Do you consider the fee for waste disposal in your city to be higher than in other Polish cities?

- a. Definitely yes
- b. Rather yes
- c. Neither yes nor no/DK
- d. Rather no
- e. Definitely no

7. What is the approximate monthly cost of waste disposal for your household?

_____ zł

8. What was the approximate monthly cost of waste disposal for your household before the implementation of new rules in waste management (1 July, 2013)?

_____ zł

9. Which factor do you consider the most important while choosing the method of sorting your household waste?

- a. A concern for environmental protection
- b. Simplicity of the chosen method (convenience)
- c. Economic factors (price)
- d. Other factors -> Please write what is the most important factor for you:

10. How often is all the garbage collected from the building in which you live?

- a. Every day
- b. Few times a week
- c. Once a week
- d. Twice a week
- e. Once a month
- f. DK

11. What is your gender?

- a. Female
- b. Male

12. In which year were you born?

19 _____

13. What is your level of education?

- a. Primary or lower secondary
- b. Secondary or basic vocational
- c. Post-secondary or professional vocational
- d. Tertiary

14. How many people are in your household (your household size should include yourself)?

_____ people

15. What is the number of children (all people under the age of 18) who live in your household?

_____ people

16. You live in:

- a. a single family home (eg. detached-house, cottage, semi-detached house)
- b. an apartment building (eg. apartment in a block, rented room)

SECTION B

The objective of this study is to get to know your opinion on the possible methods of waste management that could then be implemented with all households in your city.

In a moment we will present some hypothetical possibilities of waste collection methods in your city. For **each** of the following situations, please choose one option that is the best for your household from your point of view, and which you would choose if you were asked.

Presented options differ in:

- the way that waste is sorted;
- the frequency of its collection;
- monthly cost for a household.

Let us now look at what these mean:

Methods of waste sorting

Law regulations and concern for the environment require all the waste to be sorted. Owing to this fact:

- If the municipal waste **is not collected separately**, it has to be segregated in a specialized waste sorting station.
- If the municipal waste **is collected separately**, then at a waste sorting station it is only necessary to check whether it was done properly and optionally it can be sorted to some further sub-categories.

Please be aware that, whichever of the two options above is decided on, the final effects on how much waste is recycled in your area are the same.

This process will provide us with the recovery of maximal possible amount of recycled materials (such as metal, plastic, paper, glass) and it also enables capturing and proper management of household hazardous waste (such as batteries, fluorescent lamps).

There is a list of possible **methods of waste sorting which households are asked to do**:

- **No sorting by households** – all the waste is then sorted in a waste sorting station;
- Sorting into **2 categories**: all the recyclable waste is collected in one container, whilst other trash is collected separately. At a waste sorting station it is only necessary to check if recycling material is segregated properly before it is further divided into specific subcategories;
- Sorting into **5 categories**: paper, glass, metal, plastic and other trash (each category is collected in a separate container) – at a waste sorting station it is only necessary to check if waste is segregated properly and it is further divided into specific subcategories.

Increasing the amount of categories will require more containers for sorting in a household and it will also increase the workload.

Frequency of waste collection

Available **frequency of waste collection** are:

- once a week
- once every 2 weeks
- once every 4 weeks

The less frequently the waste is collected, the longer it must be stored in a household.

Costs

The last characteristic of presented below waste management options is the monthly cost for your household. Please note that the fee for waste collection in each variant would have to be paid **monthly** by your household.

Selection of the best method of waste segregation

Please note that any of the following options should be treated independently – they are random variants. The choice of the best option for your household will enable us to assess the importance of each individual feature and project a system of municipal waste disposal, which best meets the expectations of all residents of **Cracow/Warsaw/Bialystok/Lublin**.

If in your opinion each of presented options seems to be less favorable than your current method of waste disposal, please select the last alternative – ‘current method of waste disposal’.

Before you tell us about your preferences, you might find it helpful to learn something about how much recycling is already going on.

In 2011, 10% of all municipal waste collected from households in Poland was collected separately (data source: GUS).
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In 2012, 44% of households in Poland stated that they sort waste regularly (data source: MOS).
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In 2012, 69% of households in Poland declared that they sort waste (data source: MOS).
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In 2013, 80% of households in Poland stated in their declarations that they will sort waste at source (data source: PAP).

In 2011, **15/11/6/9%** of all municipal waste collected from households **in Cracow/Warsaw/Bialystok/Lublin** was collected separately.
The average for Poland is 10% (data source: GUS).

In 2011, **72/65/58/75%** of households **in Cracow/Warsaw/Bialystok/Lublin** declared that they sort waste.
The average for Poland 69% (data source: CBOS).

Situation 1.	Option 1	Option 2	Option 3	Current method of waste disposal
Method of waste sorting	No sorting at source	Sorting into 5 categories	Sorting into 5 categories	
Frequency of waste collection	Once a week	Once every 4 weeks	Once a week	
Monthly cost for your household	25 PLN	50 PLN	75 PLN	
Your choice:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

x 12 choice situations

SECTION C

-> If the respondent chose 'current method of waste disposal' at least once in section B:

17. You chose last option 'current method of waste disposal' at least once in section B.

What was the main reason of your decision to chose this option?

- a. I'm not interested in this subject
 - b. Other options were too expensive
 - c. I didn't like characteristics of other options
 - d. I don't believe that any changes in waste disposal management can be introduced
 - e. I don't like current system of charging fees for waste disposal
 - f. I don't want any subsequent changes in the system of waste disposal and sorting
 - g. Other reason -> Please write what is the reason:
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18. Please indicate to what extent do you agree or disagree with all following statements:

	Totally agree	Tend to agree	DK	Tend to disagree	Totally disagree
Sorting waste at home will be more thorough than at a sorting station					
Sorting waste at home is fatiguing					
Sortitng waste at home will give me a satisfaction					
If I sort rubbish, I'll do it carefully					
I know how to sort waste					
Sorting waste at home is my moral/ethical obligation					
My neighbours will judge me unfavourably, if I don't sort waste at home					
I judge unfavourable these neighbours, who don't sort waste at home					
Everyone is responsible for sorting waste and should do it at his home					
Sorting waste will reduce my household bills					

Possible other: E.g. <ul style="list-style-type: none"> – People state in questionnaires that they do sort waste, but their answers needn't be truthful – Poles do not care about the environment protection – My city dwellers do not care about the environment protection 					
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- 19. What is the net monthly (after-tax) income of your entire household? Please note that you should include all sources of income in your calculation such as salaries, pensions, old-age pensions, capital gains etc.**
- a. lower than 2000 PLN
 - b. 2000 – 2499 PLN
 - c. 2500 – 3499 PLN
 - d. 3500 – 4499 PLN
 - e. 4500 – 8999 PLN
 - f. 9000 – 14999 PLN
 - g. higher than 15000 PLN

It was our last question. Thank you for taking the time to participate in this survey.