

Dear Respondents,

I would very much like to ask you to answer the following questions. This questionnaire is for the purpose of investigating behaviours related to the implementation of the circular economy by households and assessing the impact of these behaviours on their quality of life.

The questionnaire is anonymous and the results will only be used for scientific purposes.

Thank you for your time!

dr Elżbieta Szczygieł, PhD

Q.1. A circular economy is an economic system in which, among other things:

[Note: multiple-choice question]

- waste is reduced
- natural resources are reused
- materials are recycled and recovered in production, distribution or consumption processes
- isolates the national economy from other economies
- only what has already been used in products is used

Q.2. Please assess the following statements:

[Options: 1 - completely disagree, 5 - completely agree]

- waste separation helps protect the environment and save resources
- there is no need to separate waste because all waste goes to landfill anyway
- I am very interested in waste separation because it allows me to get involved in environmental activities
- the individual waste segregation carried out by my household makes little difference to the environment as a whole
- the segregation of waste shows the personal hygiene of the household members
- one rubbish truck comes to collect the different separated wastes, so this activity does not make sense
- segregated recyclable waste can be sold to generate additional income
- I can set an example to my children or relatives by separating my waste
- separating waste is just a catchy marketing exercise
- waste separation can help the country to reduce the costs of pollution control
- waste separation is a key element of a closed loop economy (circular economy)
- waste segregation mainly makes money for waste disposal companies

Q.3. What kind of waste does your household separate?

[Options: 1 - Never, 2 - Rarely, 3 - Sometimes, 4 - Often, 5 - Always]

- waste paper / waste cardboard
- used batteries, electronic equipment
- used light bulbs
- food leftovers, kitchen waste
- used oil
- plastic bottles
- cans, metal
- renewable plastics
- glass packaging
- used clothing, textiles

Q.4. Please evaluate the following aspects of waste separation:

[Options: Yes, No, Hard to say/I don't know]

- I have enough time to sort my waste

- there is enough storage space in my house for the waste I sort
- the local authority or local community provides me with all the equipment I need to separate my waste (e.g. sorting bags, sorting bins)
- I know how waste is separated into different categories and which ones can be recycled
- I know which recycling bins to put this sorted waste in
- the recycling bins are near my house
- there is a suitable container for so-called hazardous waste near my home

Q.5. Please indicate how much time per day it takes you to separate your waste:

- 5 minutes
- 10 minutes
- 15 minutes
- 20 minutes
- more than 20 minutes

Q.6. Please indicate the frequency of circular activities undertaken in the household:

[Options: 1 - Never, 2 - Rarely, 3 - Sometimes, 4 - Often, 5 - Always]

- I use used plastic packaging for other purposes
- before throwing things away, I disassemble components that I think may be useful
- I recycle paper several times (e.g. one side of the paper is printed and used as a dirty pen)
- I reuse plastic packaging several times
- I use a reusable bag when shopping
- I use paper and recyclable packaging
- I separate rubbish into dry and wet fractions
- I separate my rubbish into glass, metal and plastic, paper, recyclables and mixed rubbish.
- I share clothes I don't need with others
- donate unwanted food to food banks or share with family and friends
- I use second-hand electronic and technical equipment (e.g. phone from a consignment shop, leased laptop computer)
- I repair broken small electronic and technical equipment (e.g. phone, kettle, iron)
- repair large electronic and technical equipment (e.g. computer, television, washing machine, refrigerator)
- buy second-hand clothing
- repair shoes and clothing
- buy second-hand furniture and home furnishings and repair or refurbish them to make them usable
- collect parts from other products to make the product I need
- I use a service to maintain the products I use

Q.7. Who supports your household in separating waste?

[Note: multiple-choice question]

- Other household members
- Neighbours
- Friends
- Local authorities
- Higher authorities
- Local community
- Environmental organisations
- Nobody

Q.8. Please rate the frequency of your environmental activities:

[Options: 1 - Never, 2 - Rarely, 3 - Sometimes, 4 - Often, 5 - Always]

- I choose recyclable products when shopping
- I switch off lights when I'm not in the room
- Unplug devices when not in use (e.g. remove phone charger when phone is fully charged)
- I don't use the standby function of electrical appliances.
- I take good care of small electronic and technical equipment, thus prolonging its life.
- I buy the right amount of food for my household's consumption capacity
- When shopping, I only buy products that I have on my list
- I use rechargeable batteries
- I choose electronic and technical appliances according to their energy class
- I use water sparingly
- I do laundry when I have enough for a full load in the washing machine
- I dry my laundry outdoors
- using solar panels or photovoltaic collectors at home
- I use renewable energy resources
- I share the use of my car with other people (e.g. family, friends)
- I only fly long distances (e.g. more than 6 hours travelling time)
- I prepare my own food at home and for work/school
- I use public transport for trips up to 30 km
- I cycle to work/school
- I buy Fair Trade products
- Clothing made from natural raw materials (cotton, silk, linen)
- I buy 'eco-food' certified food products
- I buy locally produced products
- I buy modestly packaged products
- use organic detergents
- I use organic cosmetics

Q.9. Please indicate what benefits your household derives from applying circular economy measures:

[Note: multiple-choice question]

- save resources - I don't have to have many things
- I use less electricity
- I use less gas
- I use less tap water
- I generate less waste
- saving money - I spend considerably less on groceries
- I save money - I spend considerably less on electronics and technical equipment.
- better mental well-being
- better health and fitness
- I eat more fruit and vegetables
- I have control over the quality of the meals I prepare
- I do something for the world
- I do not gain any benefits, even though I adopt a circular approach
- I do not gain any benefits, because I do not engage in circular behaviour

Q.10. Indicative total household income (net) last month:

[Note: specify the amount]:

Q.11. Taking into account the current needs of your household, please indicate what monthly level of (net) income of your household you would consider to be:

[Note: enter all amounts, increasing scale]

- VERY BAD INCOME
- INSUFFICIENT INCOME
- BARELY SUFFICIENT INCOME
- GOOD INCOME
- VERY GOOD INCOME

Q.12. Please evaluate the following elements of your life:

[Options: 1- very bad, 5 – very good]

- household material situation
- state of health
- relationships with other people
- amount of leisure time available
- state of the environment in my neighbourhood

Q.13. Please indicate whether the following are available in your area:

[Options: Yes, No, Don't know]

- sewerage
- gas connections
- public transport
- refuse collection infrastructure (containers, bags, regular waste collection)
- incineration plant
- selective municipal waste collection point (PSZOK)
- cycle paths
- system/possibility of electronic communication with competent authority (city, commune)

METRIC:

Gender:

- Woman
- Man

Age:

Education:

- elementary
- grammar schools
- VET
- secondary schools
- during studies
- higher

Place of residence:

- village
- town with up to 20 thousand inhabitants
- town with 20 thousand - 50 thousand inhabitants
- town with 50 thousand - 100 thousand inhabitants
- town with 100 thousand - 500 thousand inhabitants
- town with more than 500 thousand inhabitants

Labour market status:

- a person during studies
- unemployed person
- working person
- a person running a farm
- a person running his/her own business
- retirees
- pensioners

Household personal composition:

- single person
- marriage/couple without children
- marriage/couple with 1 child
- marriage/couple with 2 children
- marriage/couple with 3 or more children
- single parent

Country:

Region: