

Willingness to Adopt Survey for Egaleo, Greece (English Version)



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[Introduction to the survey]

Welcome, and thank you for participating in this survey!

This survey is part of the project Bin2Bean (www.bin2bean.eu) to provide insights in strategies that can promote effective biowaste collection by citizens in Athens and Egaleo. In partnership with the City of Egaleo, the survey has been developed by Wageningen University (The Netherlands). By participating in this survey, you inform us about your preferences for participating in a convenient, affordable and environmentally friendly biowaste recycling system.

Please read all instructions carefully and answer as honestly as possible. Participation in the survey is voluntary. All the answers you give will be kept anonymous. This means that your answers cannot be traced back to you. To participate in this study, you must live in Athens and be at least 18 years old.

The survey consists of 4 parts, and answering all the questions will take approximately 12 minutes. At the beginning of each part, we will give you instructions on how to proceed. It would be most helpful if you complete the survey, but you are free to stop at any time without giving a reason.

If you have any questions about the survey or the project Bin2Bean, please contact please contact X. If you have any ethical concerns about the study, please contact the secretariat of the WUR Research Committee at rec@wur.nl. If you have a complaint about how we handle your personal data, please contact privacy@wur.nl. You may also file a complaint with the Dutch Data Protection Authority [here](#).

Informed consent

By participating in this research:

- You give permission to the project partners in Bin2Bean (including the City of Egaleo) to use the information you provide in this survey;
- You understand that participation is voluntary and that you are free to stop participating at any time, without having to give a reason.
- You understand that the information you provide will be completely anonymous and kept securely in accordance with the personal data protection [guidelines of Wageningen University](#).

By continuing with this survey, you confirm that you agree with the statements above.

- Yes – I understand and agree to participate
- No – exit the survey

[Part 1: Biowaste sorting experience]

Biowaste includes organic kitchen waste and green litter (from gardens, trees or pot plants). In this section, we would like to ask you questions related to the disposal of your organic kitchen waste.

1. Have you noticed brown bins in the streets of the City of Athens/Egaleo?
 - ☐ Yes
 - ☐ No

[Skip to question 3 if answer is No]

2. Where is the brown bin closest to your house located?
 - ☐ In front of my house
 - ☐ In my street
 - ☐ A few blocks away
 - ☐ I don't know
 - ☐ Other, namely
3. Do you separate organic kitchen waste?
 - ☐ Yes
 - ☐ No
4. Do you separate other types of waste (e.g., paper, plastic, or glass)?
 - ☐ Yes
 - ☐ No
5. Where are the (paper, plastics, residual) waste bins closest to your house located?
 - ☐ In front of my house
 - ☐ In my street
 - ☐ A few blocks away
 - ☐ I don't know
 - ☐ Other, namely
6. To what extent do you agree with the following statements? [Likert-scale question]
 - ☐ I know what I can put in the brown bin and what not
 - ☐ I have a kitchen bin to collect my organic kitchen waste
 - ☐ It is easy for me to collect organic kitchen waste separately
 - ☐ I know why sorting organic kitchen waste (and green litter) is important

7. Do you know what should go in the brown bins (you can select multiple answers)?

- ☐ Organic kitchen waste
- ☐ Products from paper/carton/wood
- ☐ Products from biobased plastics
- ☐ Green waste (from gardens, plants)
- ☐ Residual waste
- ☐ I don't know

8. What would motivate you to collect and dispose your organic kitchen waste separately? [You can select multiple answers]

- ☐ If it is mandatory
- ☐ If I have a brown bin in my street
- ☐ If I receive a convenient kitchen bin to sort my organic waste in the kitchen
- ☐ If I see that other people (neighbors, friends) are sorting their organic waste
- ☐ To teach my children that organic kitchen waste is a valuable resource for sustainable agriculture and food production
- ☐ To be able to support agricultural soils with compost from my organic waste
- ☐ To be able to support green neighborhoods with compost from my organic waste
- ☐ When it will reduce my waste disposal tax
- ☐ Other (specify any other reasons): _____

5. What would hinder you to collect organic kitchen waste separately? [You can select multiple answers]

- ☐ It attracts flies/insects
- ☐ It is smelly
- ☐ It is not hygienic
- ☐ It takes too much time and/or effort to bring the biowaste to the brown bin
- ☐ I am skeptical that the city does not recycle my organic kitchen waste
- ☐ I don't have the space for an extra bin to separate organic waste in my kitchen
- ☐ The location of the brown bin is too far from my house
- ☐ I don't know why I should collect organic kitchen waste separately
- ☐ I don't know what to put in the organic kitchen waste bin
- ☐ Other (specify any other reasons): _____

Part 2: Choice experiment

Treatments:

Random assignment to one of the following treatment groups:

1) No Information

2) Flyer detailing how to separate waste (what goes into the bin and what doesn't)



3) Flyer detailing how to separate waste + Benefits of separating waste (soil health, compost, renewable energy, and healthy food)



[[Introduction to the choice experiment](#)]

[[Scenario description](#)]

Imagine that you have access to a brown bin to put in your organic kitchen waste regularly. Now you have the opportunity to let us know what will help you to sort most of your organic kitchen waste separately.

On the next page we explain possible characteristics of a biowaste collection system with brown bins in your neighborhood. **Please read it carefully.** All characteristics not mentioned, for example, frequency and times of collection, collection fees, etc. are the same for all the options you can choose from. Therefore, **please focus only on the characteristics mentioned on the next page.**

[[Explanation of the attributes and levels](#)]

1. Location of the brown bin in your neighborhood

All households in Athens/ Egaleo will get access to a brown bin for the separate collection of bio waste. The location of the brown bin may vary. These are the possible options:

a. At public collection points – you can put your biowaste in brown bins located in public spaces, such as schools and kindergartens in your neighborhood.

b. On the street near your house – you can put your biowaste in brown bins located on your street or a street nearby.

c. In front of your house – you can put your biowaste in brown bins located in front of your building.

2. Provision of kitchen bins for biowaste

If you want to sort your biowaste, you need a separate bin in your kitchen. There are different ways to get one:

a. Free kitchen bin - you can get a kitchen bin for free (max. 1 per household)

b. Paid kitchen bin – you can purchase a kitchen bin of your choice

3. Access to information about biowaste separation

To help you sort your waste correctly, you can receive information on how to separate your biowaste. This information is available through different ways:

a. Online – you can access biowaste separation guidelines (e.g., flyers, stickers) online through a website or mobile app

b. Printed version by mail – a printed version biowaste separation guidelines (e.g., flyers, stickers) is sent to your home.

c. Available at the collection point – you can pick up biowaste separation guidelines (e.g., flyers, stickers) at the waste collection points.

4. Feedback on the quality of collected biowaste

It is important that collected biowaste is free from non-organic materials. Waste collectors may use color tags to give feedback on the quality of biowaste in your brown bin.

- a. **Yes** - your brown bin will receive a color tag indicating the quality of the collected biowaste.
- b. **No** – your brown bin will not receive a color tag indicating the quality of the collected biowaste.

5. Time and effort to recycle biowaste

Sorting biowaste takes some time and effort. This includes both the time spent sorting waste in your kitchen and the time needed to bring it to the nearest brown bin. Depending on your situation, this may vary:

- a. **10 minutes per week**
- b. **20 minutes per week**
- c. **45 minutes per week**

6. Waste management fee

The city spends money to collect your waste. Part of this cost is covered by the waste management fee you pay. This fee is based on unsorted waste (in the green bin) and can be collected in different ways:

- a. **Flat fee** – you pay the same amount every month, no matter how much or what kind of waste you throw away.
- b. **Pay as you throw** – you pay a different amount each month, depending on how much unsorted waste you throw in the green bin.

[[Choice experiment tasks](#)]

Time to choose!

We will now ask you a few times to choose between different options that may help you to sort and dispose your organic kitchen waste separately. The options are identical, except for

the characteristics explained earlier. Each time, please indicate which of the options you would prefer.

You may feel inclined to “cherry-pick” one characteristic from Option A and another from Option B or C, to design your own scenario. Unfortunately, this is not possible.

We understand that it may be difficult to imagine how you would behave in a situation that you have not experienced. Therefore, in each of the following tasks, **please consider carefully in which situation you would actually be able and willing to sort your organic kitchen waste correctly.**

Insert Choice Experiment Tasks here, this is one example in Greek:

Ποια επιλογή θα προτιμούσατε;

Παρακαλούμε αφιερώστε λίγα λεπτά για να σκεφτείτε προσεκτικά και να απαντήσετε ειλικρινά. Η συμβολή σας θα βοηθήσει τον Δήμο Αιγάλεω να διερευνήσει τρόπους ώστε η συλλογή βιοαποβλήτων να γίνει πιο αποτελεσματική για όλους.

	Επιλογή Α	Επιλογή Β	Επιλογή C
Τοποθεσία του καφέ κάδου στη γειτονιά σας	Στο δρόμο κοντά στο σπίτι σας	Μπροστά από το σπίτι σας	Σε δημόσια σημεία συλλογής
Παροχή κάδου κουζίνας για βιοαπόβλητα	Δωρεάν κάδος κουζίνας	Αγορά κάδου κουζίνας	Αγορά κάδου κουζίνας
Πρόσβαση σε πληροφορίες για το διαχωρισμό των βιοαποβλήτων	Διαθέσιμες στο σημείο συλλογής	Εντυπη έκδοση που θα ταχυδρομηθεί	Ηλεκτρονικά
Ανατροφοδότηση για την ποιότητα των συλλεγόμενων βιοαποβλήτων	Ναι	Όχι	Ναι
Τέλος διαχείρισης απορριμμάτων	Σταθερό τέλος	Πληρώνεις όσο πετάς	Πληρώνεις όσο πετάς
Χρόνος και προσπάθεια για την ανακύκλωση βιοαποβλήτων	20 λεπτά την εβδομάδα	10 λεπτά την εβδομάδα	45 λεπτά την εβδομάδα

	Επιλογή Α	Επιλογή Β	Επιλογή C
Προτιμώ	☐	☐	☐

Part 3: Debriefing questions

We want to know about your experience answering the questions.

1. How difficult was it to answer the questions?

- ☐ Very easy
- ☐ Easy
- ☐ Neither easy nor difficult
- ☐ Difficult
- ☐ Very difficult

2. What do you think about the characteristics of the waste separation scenarios?

Please rank them starting from the one you find most important to the least.

- ☐ Location of brown bin
- ☐ Provision of kitchen bins
- ☐ Provision of paper bags
- ☐ Access to information how, when and why to sort biowaste
- ☐ Feedback on quality of collected biowaste
- ☐ Time/effort

3. Was there any characteristic that you ignored when making the choices?

- ☐ No
- ☐ Yes

3.1. If yes, which? [Selecting multiple options possible]

- ☐ Location of brown bin
- ☐ Provision of kitchen bins
- ☐ Provision of paper bags
- ☐ Access to information how, when and why to sort biowaste
- ☐ Feedback on quality of collected biowaste
- ☐ Time/effort

[Part 4: Systems thinking and Socio-demographic questions]

To understand the background of the people who participate in our study, in this part, we will ask for some information about yourself. We will start with some questions about your individual beliefs. **Please indicate to what extent you agree with the statements.**

[5 point Likert scale]

[Beliefs and attitudes (related to the treatments)]

- I am confident that correctly sorting my organic kitchen waste will help the city to recycle biowaste effectively
- I am happy that my organic kitchen waste is turned into compost that supports soil health and urban green in and around Athens / Egaleo.
- I am confident that the quality of my sorted biowaste will be high
- I believe that my effort to separate biowaste contributes to a healthier and more sustainable environment.
- Through the sorting of organic kitchen waste, I feel that I am contributing to a common goal.
- I believe that the people around me would appreciate the fact that I separate my biowaste.

[Demographics]

We now want to ask you about yourself and your household.

1. How old are you? [Numeric text entry]
2. Which gender do you identify with?
 - Female
 - Male
 - Other
3. What is the highest level of education which you have completed?
 - No school completed
 - Primary school
 - Secondary school
 - Vocational school / technical college
 - University
4. How many people live in your house? (including you) [Numeric text entry]
5. How many of them are children (below 18 years old)? [Numeric text entry]
6. How do you feel about your household's income nowadays?
 - Living comfortably on present income
 - Coping on present income
 - Difficult on present income

- Very difficult on present income
- Don't know

7. Where do you live?

[Choices of regions in Athens]

8. Which of the following characterizes your living situation?

- Single-family house (detached house)
- Low rise apartment complex (ground floor)
- Low rise apartment complex (not ground floor)
- High rise building (with studios, apartments)
- (student) room
- Other

9. Do you have a garden where you live?

- Yes, a personal one
- Yes, a shared one
- No

10. Do you use compost?

- Yes
- No

[Open questions]

Is there anything else you would like to share about the topic of organic kitchen waste / organic kitchen waste collection? Please write down any recommendations or suggestions that you think will help you in sorting clean organic kitchen waste.

[Last page]

Thank you for participating in this survey!

We appreciate you taking the time to answer our questions. If you have questions about the research, you can contact X.