



Behavioural Intervention Study: Introductory Questionnaire

Section I : Socio- Demographic and Personal details

You are welcome as a participant of the behavioural intervention study to improve air quality of Guildford. This study is a collaboration between the University of Surrey and Transportation Research Institute, University of Hasselt and is part of a wider project called iSCAPE looking at how to improve the smart control of air pollution across Europe. This project is funded by the European Commission through their Horizon 2020 program.

The prime focus of the study is to implement and test solutions for reducing the negative effects of air pollution. The solution under study aims to change the activity-pattern of the citizens by offering customized guidance and to improve the air quality. We will record your activity-travel routine for an entire day via a smartphone-based mobile app. Along with this data, we will acquire few more information from you e.g. your socio-demographic characteristics and also your opinions in relation to environmental issues.

This Questionnaire is basically designed to get the above mentioned information. Your response in this regard is highly appreciated.

Section-I. We are asking few questions regarding Socio-Demographic and Personal aspects.

Q1. Age

Years

Q2. Gender

MALE

☐

FEMALE

☐

Q3. Nationality

Q4. Current Address (only Street name and Town)

Q5. How long have you been living at the above address?

Q6. Employment status: Are you currently...?

- | | | |
|--|--|--------------------------------------|
| <input type="radio"/> Employed for wages | <input type="radio"/> Out of work but not currently looking for work | <input type="radio"/> Military |
| <input type="radio"/> Self employed | <input type="radio"/> A homemaker | <input type="radio"/> Retired |
| <input type="radio"/> Out of work and looking for work | <input type="radio"/> Student | <input type="radio"/> Unable to work |

Q7. What is the highest degree or level of degree you have completed? If currently enrolled, highest degree received

- | | |
|---|---|
| <input type="radio"/> Lower than high school degree | <input type="radio"/> Bachelor's degree |
| <input type="radio"/> High school graduate, diploma or the equivalent | <input type="radio"/> Master's Degree |
| <input type="radio"/> Trade/technical/vocational training | <input type="radio"/> Professional Degree |
| <input type="radio"/> Associate degree | <input type="radio"/> Doctorate Degree |

Q8. What was your total household income before taxes during the past 12 months?

- | | | |
|---|---|---|
| <input type="radio"/> Less than 10,000 Pounds | <input type="radio"/> 50,000 to 74,999 Pounds | <input type="radio"/> 150,000 to 199,999 Pounds |
| <input type="radio"/> 10,000 to 24,999 Pounds | <input type="radio"/> 75,000 to 99,999 Pounds | <input type="radio"/> 200,000 Pounds and up |
| <input type="radio"/> 25,000 to 49,999 Pounds | <input type="radio"/> 100,000 to 149,999 Pounds | <input type="radio"/> Prefer not to answer |

Block 3

Q9. Select one that describes your family setup best

- | | |
|---|--|
| <input type="radio"/> Single adult without children | <input type="radio"/> Couple with children |
| <input type="radio"/> Couple without children | <input type="radio"/> Other with children |
| <input type="radio"/> Single adult with children | <input type="radio"/> Other without children |

Q10.

Your Family composition: Please provide no of person in the household

Adults (above 18 years)

Q11.

Your Family composition: Please provide no of person in the household

Teenagers (12 - 18 years)

Q12.

Your Family composition: Please provide no of person in the household

Children (6 - 12 years)

Q13.

Your Family composition: Please provide no of person in the household

Children (below 6 years)

Block 4

Q14. Driving License

Yes

☐

No

☐

Q15. When did you obtain the driving license ?

Year e.g 2010

Q16. Number of Cars in your house

0

☐

1

☐

2

☐

3

☐

4 +

☐

Q17. Car details (mostly) in your personal use

Brand

Q18. Car details (mostly) in your personal use

Model Year

Q19. Car details (mostly) in your personal use: Fuel type

- | | |
|--|--|
| <input type="radio"/> Diesel | <input type="radio"/> Liquid Petroleum Gas |
| <input type="radio"/> Compressed Natural Gas | <input type="radio"/> Diesel plugin Hybrid |
| <input type="radio"/> Petrol | <input type="radio"/> Petrol plugin Hybrid |
| <input type="radio"/> Electric Vehicle | <input type="radio"/> Hydrogen Vehicle |

Q20. Do you have a bike?

Yes

☐

No

☐

Q21.

How would you rate your level of satisfaction with your daily commuting time? (please consider your commute time from home to work or any other place you need to reach on a daily base, i.e. school, child care, etc.).

High

☐

Medium

☐

Low

☐

. If you answered low, please explain why you are not satisfied with your daily commuting routine

Q22. What is your mother language?

Q23. Contact No (Optional)

Q24. E-mail:

Section II : Environmental Issues, Human values & Interest

Section-II.

We are asking few questions regarding environment problems and issues along with your opinion about human values. You need to give your opinion in the form of degree to which you are agree or disagree to the statements shown below:

(a) Questions in relation to Environment issues and concerns

Please indicate how much you agree /disagree with the following statements.
1= Strongly disagree, 2 = Disagree, 3 = Neutral, 4= Agree, 5= Strongly Agree

Q25.

Environmental Pollution is a problem in Guildford (your area of residency)

| | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 1 | 2 | 3 | 4 | 5 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Q26.

Environmental pollution may affects your health

| | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 1 | 2 | 3 | 4 | 5 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Q27.

The environment is deteriorating, it is clearly notable and visible

| | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 1 | 2 | 3 | 4 | 5 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Q28.

Environment issues need to be considered properly, people who do not take this into account are escaping their responsibility

| | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 1 | 2 | 3 | 4 | 5 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Q29.

Humans have the right to modify the natural environment to suit their needs.

| | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 1 | 2 | 3 | 4 | 5 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Q30.

Mankind is severely abusing the environment.

| | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 1 | 2 | 3 | 4 | 5 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Q31.

When humans interfere with nature, it often produces disastrous consequences.

| | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 1 | 2 | 3 | 4 | 5 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Q32.

We are approaching the limit of the number of people the earth can support.

| | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 1 | 2 | 3 | 4 | 5 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Q33.

Given the opportunity, you would like to take action that are in-line with pro-environmental behaviour

| | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 1 | 2 | 3 | 4 | 5 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Q34.

Whether I perform pro-environmentally is entirely up to me

| | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 1 | 2 | 3 | 4 | 5 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Q35.

Environment Pollution is a society problem, and everyone has to take part in it to resolve it.

| | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 1 | 2 | 3 | 4 | 5 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Q36.

It is worthless for the individual consumer to do anything about pollution.

| | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 1 | 2 | 3 | 4 | 5 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Q37.

When I buy products, I try to consider how my use of them will affect the environment and other consumers.

| | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 1 | 2 | 3 | 4 | 5 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Q38.

Process of designing programs/activities/events for encouraging pro-environmental behaviour also involve citizens

| | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 1 | 2 | 3 | 4 | 5 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Q39.

I will be more inclined to behave pro-environmentally when *peers/people in my neighbourhood* are also engaged in that behaviour

| | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 1 | 2 | 3 | 4 | 5 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Q40.

There are opportunities available to change your daily routine which could lead to lesser exposure to pollution (e.g change in activity location, flexibility in opening hours of shops)

| | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 1 | 2 | 3 | 4 | 5 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Q41.

Public transport (buses frequency, bus stop locations) in your area is good and you are satisfied with it.

| | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 1 | 2 | 3 | 4 | 5 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Q42.

Bicycle facilities (e.g. bike share programs, bike parking availability, safe and segregated bicycle paths) in your area is good and you are satisfied with it.

| | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 1 | 2 | 3 | 4 | 5 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Q43.

Pedestrians facilities (e.g. Footpaths, restricted traffic zones, zebra crossings, pelican signals, traffic observing priority to pedestrians) in your area is good and you are satisfied with it.

| | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 1 | 2 | 3 | 4 | 5 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Q44.

There should be more restrictions on the use of car in your area (e.g. speed control, Car free zones, increase in parking cost, increase of taxes etc.)

| | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 1 | 2 | 3 | 4 | 5 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

(b) Questions related to human values.

Please rate to what extent these values are guiding principles in your life
-1 = Opposed to my values, 0 = not important, 1 = Important, 2 = Very Important,
3 = Supremely Important

Q45.

Social justice (Correcting Injustice, Care for the weak)

| | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| -1 | 0 | 1 | 2 | 3 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Q46.

Equity (Equal Opportunity for all)

| | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| -1 | 0 | 1 | 2 | 3 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Q47.

A world of peace (no wars, no conflict)

| | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| -1 | 0 | 1 | 2 | 3 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Q48.

Protecting the environment (preserving nature)

| | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| -1 | 0 | 1 | 2 | 3 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Q49.

Preventing pollution (conserving the natural resources)

| | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| -1 | 0 | 1 | 2 | 3 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Q50.

Self-discipline (resistance to temptations)

| | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| -1 | 0 | 1 | 2 | 3 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Q51.

Family security (Safety for loved ones)

| | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| -1 | 0 | 1 | 2 | 3 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Q52.

Influential (Having an impact on people and events)

| | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| -1 | 0 | 1 | 2 | 3 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Q53.

Wealth (material possessions, money)

| | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| -1 | 0 | 1 | 2 | 3 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Q54.

Authority (the right to lead or command)

| | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| -1 | 0 | 1 | 2 | 3 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Q55.

Curious (interested in everything, exploring)

| | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| -1 | 0 | 1 | 2 | 3 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Q56.

A varied life (filled with challenges, novelty and changes)

| | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| -1 | 0 | 1 | 2 | 3 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Q57.

An exciting life (stimulating experiences)

| | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| -1 | 0 | 1 | 2 | 3 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

(c) Questions related to ecological behaviours

Please indicate how much you agree /disagree with the following statements.
1= Yes always, 2 = Yes, 3 = Very seldom, 4= No, 5= I don't know

Q58.

I try only to buy products that can be recycled.

| | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 1 | 2 | 3 | 4 | 5 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Q59.

When there is a choice, I always choose that product which contributes to the least amount of pollution.

| | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 1 | 2 | 3 | 4 | 5 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Q60.

To save energy, I drive my car as little as possible.

| | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 1 | 2 | 3 | 4 | 5 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Q61.

I try to buy energy efficient household appliances

| | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 1 | 2 | 3 | 4 | 5 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Q62.

If I understand the potential damage to the environment that some products can cause, I don't purchase these products

| | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 1 | 2 | 3 | 4 | 5 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Q63.

I buy high efficiency light bulbs to save energy

| | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 1 | 2 | 3 | 4 | 5 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Q64.

I usually purchase the lowest price products, regardless of its impact on society.

| | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 1 | 2 | 3 | 4 | 5 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Q65.

I have convinced members of my family or friends not to buy some products which are harmful to the environment.