

# Supplementary materials

## Annex 1: Survey in English

### 1. General transport questions

This first section includes questions about your transport habits and mobility choices in your household. Please answer considering your average habits when it comes to your activities, travelling times, and distances.

#### **1.1. I own... (multiple options)**

- A car (bil)
- An electric car (el bil)
- A bike
- An e-bike
- An e-scooter
- A motorcycle

#### **1.2. My household has... (one option)**

- No car
- Less than one car per adult
- One car per adult
- More than one car per adult

#### **1.3. I have a driver's license (one option)**

- Yes
- No

#### **1.4. I have a public transport card (one option)**

- Yes
- No

#### **1.5. I am member in a car-sharing scheme (one option)**

- Yes
- No

#### **1.6. I have access to information regarding alternative transport choices if I want to change from my current preferred mode of transportation.**

- 1.....7 (I strongly disagree, I disagree, I somewhat disagree, I neither agree or disagree, I somewhat agree, I agree, I strongly agree)

#### **1.7. Average amount of SEK spent on transport per month: [open box]**

#### **1.8. How often do you travel with:**

|  |                 |                 |                 |                     |                     |                  |                          |
|--|-----------------|-----------------|-----------------|---------------------|---------------------|------------------|--------------------------|
|  | 6-7 days a week | 4-5 days a week | 1-3 days a week | A few times a month | A few times a years | Less than yearly | I don't use this mode of |
|--|-----------------|-----------------|-----------------|---------------------|---------------------|------------------|--------------------------|

|            |  |  |  |  |  |  |                |
|------------|--|--|--|--|--|--|----------------|
|            |  |  |  |  |  |  | transportation |
| Car        |  |  |  |  |  |  |                |
| Bus        |  |  |  |  |  |  |                |
| Train      |  |  |  |  |  |  |                |
| Taxi       |  |  |  |  |  |  |                |
| Bicycle    |  |  |  |  |  |  |                |
| Walk       |  |  |  |  |  |  |                |
| Motorcycle |  |  |  |  |  |  |                |
| E-scooter  |  |  |  |  |  |  |                |
| Plane      |  |  |  |  |  |  |                |
| Other      |  |  |  |  |  |  |                |

**1.9. Average traveling distance when traveling with:**

|                      | 0-5 km | 6-10 km | 11-15 km | 16-20 km | 21-30 km | 31-40 km | 41- 50 km | More than 50 km | I don't use this mode of transportation |
|----------------------|--------|---------|----------|----------|----------|----------|-----------|-----------------|-----------------------------------------|
| Car                  |        |         |          |          |          |          |           |                 |                                         |
| Bus                  |        |         |          |          |          |          |           |                 |                                         |
| Train                |        |         |          |          |          |          |           |                 |                                         |
| Taxi                 |        |         |          |          |          |          |           |                 |                                         |
| Bicycle              |        |         |          |          |          |          |           |                 |                                         |
| Walk                 |        |         |          |          |          |          |           |                 |                                         |
| Motorcycle/<br>Moped |        |         |          |          |          |          |           |                 |                                         |
| E-scooter            |        |         |          |          |          |          |           |                 |                                         |
| Other                |        |         |          |          |          |          |           |                 |                                         |

**2. Leisure, social relations, and citizen participation**

Although the COVID pandemic may have temporarily changed your travel behavior in the recent past, please answer the following questions in terms of your expectations regarding your normal travel behavior over the foreseeable future.”

**2.1. : Please pick the 8 activities that are most important to you for your quality of life from the list below (in order of importance)**

|                                                                                                                                                                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Shopping food                                                                                                                                                                                    |
| Other forms of shopping                                                                                                                                                                          |
| Work                                                                                                                                                                                             |
| Studying/training                                                                                                                                                                                |
| Taking children to school or nursery                                                                                                                                                             |
| Attending health appointments                                                                                                                                                                    |
| Going to the cinema or to live performances                                                                                                                                                      |
| Visiting cultural sites                                                                                                                                                                          |
| Attending sports events or trainings                                                                                                                                                             |
| Going on vacation                                                                                                                                                                                |
| Being in contact or doing things with family or relatives                                                                                                                                        |
| Being in contact or doing things with friends                                                                                                                                                    |
| Participating in voluntary activities (this is, unpaid non-compulsory work to help other people, the environment, animals, the wider community, etc. Political activities are excluded)          |
| Getting help and personal support in case of need                                                                                                                                                |
| Participating in citizen activities, such as activities of a political party or an interest group, attending a public hearing or public consultations, or participating in a protest or campaign |
| Voting                                                                                                                                                                                           |
| Visiting an urban park or being in nature                                                                                                                                                        |

**2.2. How often do you travel for the following activities?**

[illegible]

|                                                                                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|
| Getting help and personal support in case of need                                                                                                                                                |  |  |  |  |  |  |  |  |  |
| <b>Citizen participation</b>                                                                                                                                                                     |  |  |  |  |  |  |  |  |  |
| Participating in citizen activities, such as activities of a political party or an interest group, attending a public hearing or public consultations, or participating in a protest or campaign |  |  |  |  |  |  |  |  |  |
| Voting                                                                                                                                                                                           |  |  |  |  |  |  |  |  |  |
| <b>Living environment</b>                                                                                                                                                                        |  |  |  |  |  |  |  |  |  |
| Visiting an urban park or being in nature                                                                                                                                                        |  |  |  |  |  |  |  |  |  |

**2.3. Transport mode for activities: Which mode(s) of transportation do you use to conduct/participate in the following activities? Please pick up to three per activity. [Multiple options possible].**

[illegible]

|                                                                                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|--|--|
| Participating in voluntary activities (this is, unpaid non-compulsory work to help other people, the environment, animals, the wider community, etc. Political activities are excluded)          |  |  |  |  |  |  |  |  |  |  |  |
| Getting help and personal support in case of need                                                                                                                                                |  |  |  |  |  |  |  |  |  |  |  |
| <b>Citizen participation</b>                                                                                                                                                                     |  |  |  |  |  |  |  |  |  |  |  |
| Participating in citizen activities, such as activities of a political party or an interest group, attending a public hearing or public consultations, or participating in a protest or campaign |  |  |  |  |  |  |  |  |  |  |  |
| Voting                                                                                                                                                                                           |  |  |  |  |  |  |  |  |  |  |  |
| <b>Living environment</b>                                                                                                                                                                        |  |  |  |  |  |  |  |  |  |  |  |
| Visiting an urban park or being in nature                                                                                                                                                        |  |  |  |  |  |  |  |  |  |  |  |

**2.4. Which activities in the list below would you like to do more of, but you cannot because of current mobility constraints? – select (multiple options possible)**

*Same list of activities as in question 2.2*

**2.5. How influential are the following factors in your choice of transport mode? (Likert scale for each option)**

|                                                   | <i>Not at all important</i> | <i>Not important</i> | <i>Slightly important</i> | <i>Neutral</i> | <i>Moderately important</i> | <i>Very important</i> | <i>Extremely important</i> |
|---------------------------------------------------|-----------------------------|----------------------|---------------------------|----------------|-----------------------------|-----------------------|----------------------------|
| <b>Cost</b>                                       |                             |                      |                           |                |                             |                       |                            |
| <b>Travel Time</b>                                |                             |                      |                           |                |                             |                       |                            |
| <b>Travel Distance</b>                            |                             |                      |                           |                |                             |                       |                            |
| <b>Travel Flexibility</b>                         |                             |                      |                           |                |                             |                       |                            |
| <b>Physical accessibility</b><br>(tillgänglighet) |                             |                      |                           |                |                             |                       |                            |
| <b>Safety</b><br>(trygghet)                       |                             |                      |                           |                |                             |                       |                            |

|                                                                            |  |  |  |  |  |  |  |
|----------------------------------------------------------------------------|--|--|--|--|--|--|--|
| <b>Environmental impact</b> (such as on air quality and climate change)    |  |  |  |  |  |  |  |
| <b>Reliability</b> (tillförlitlighet)                                      |  |  |  |  |  |  |  |
| <b>Punctuality</b> (punktlighet)                                           |  |  |  |  |  |  |  |
| <b>Social approval</b>                                                     |  |  |  |  |  |  |  |
| <b>Comfort</b>                                                             |  |  |  |  |  |  |  |
| <b>Stress</b>                                                              |  |  |  |  |  |  |  |
| <b>Ability to do physical exercise while going from a place to another</b> |  |  |  |  |  |  |  |
| <b>Sense of community</b> (to feel connected with others when traveling)   |  |  |  |  |  |  |  |

### 3. Living environment

Transportation infrastructure consists of the physical structures that provide a basis for moving people and goods, such as roads, parking lots, railroads, light rail systems, airports, bike paths, and pedestrian ways such as sidewalks or bike paths. These are dominant features of the built environment and affect our experience of where we live, even when we are not directly using them.

**3.1. Question: For each of the following, answer according to how the presence of each of the below forms of transportation infrastructure affects your experience of your environment.**

|                                               | Strongly affects negatively | Affects negatively | Somewhat affects negatively | Affects neither positively nor negatively | Somewhat affects positively | Affects positively | Strongly affects positively | No opinion |
|-----------------------------------------------|-----------------------------|--------------------|-----------------------------|-------------------------------------------|-----------------------------|--------------------|-----------------------------|------------|
| Personal cars, roads, parking facilities      |                             |                    |                             |                                           |                             |                    |                             |            |
| Buses, bus stops                              |                             |                    |                             |                                           |                             |                    |                             |            |
| Bicycles, bike paths, bike parking facilities |                             |                    |                             |                                           |                             |                    |                             |            |
| Municipal light rail (e.g., subway) systems   |                             |                    |                             |                                           |                             |                    |                             |            |
| Airplanes, airports                           |                             |                    |                             |                                           |                             |                    |                             |            |

|                                        |  |  |  |  |  |  |  |  |
|----------------------------------------|--|--|--|--|--|--|--|--|
| Pedestrian paths, sidewalks            |  |  |  |  |  |  |  |  |
| E-scooters and their charging stations |  |  |  |  |  |  |  |  |

**3.2. Question: Please indicate your level of agreement with the following statement:**

***I believe the current transport system where I live is positively influencing the following aspects of my quality of life:***

|                                 | Strongly disagree | Disagree | Somewhat disagree | Neutral | Somewhat agree | Agree | Strongly agree | No opinion |
|---------------------------------|-------------------|----------|-------------------|---------|----------------|-------|----------------|------------|
| Physical exercise               |                   |          |                   |         |                |       |                |            |
| Respiratory health              |                   |          |                   |         |                |       |                |            |
| Safety                          |                   |          |                   |         |                |       |                |            |
| Stress                          |                   |          |                   |         |                |       |                |            |
| Sense of community/connection   |                   |          |                   |         |                |       |                |            |
| Access to nature or green space |                   |          |                   |         |                |       |                |            |

**4. Personal background questions**

- To which gender identity do you mostly identify? [Women/Man/Other/Prefer not to say]
- Is anyone in your household dependent on the care of someone else? (e.g. young children, elderly, unwell) [Yes/No/Prefer not to say]
- Which of the following best describes your household? [Single person household; Single with child/children; Couple (with no children); Couple with child/children; Extended family; Shared house; Other; Prefer not to say]
- What is your citizenship (Swedish, other EU, non-EU, stateless, prefers not to say)

## **Annex 2: Detailed information about the panel selection procedure**

Norstat's Gold Panel is recruited offline by telephone to ensure the representativeness of the panellists and the quality of the data collection. Selection is based on the Swedish population register, where all citizens with a registered telephone number have the opportunity to be selected. Norstat does not use self-recruitment, thus avoiding professional respondents who join several panels to chase rewards.

The panel uses information about the respondent's age, gender and postcode, together with answers to profile questions, to determine which surveys to invite people to take part in. This information determines whether the respondent is in the target audience for a survey.

The Panel processes respondents' contact information in order to invite them to surveys and to compensate them for completing surveys. The panel also keeps track of which surveys respondents have been invited to and which they have chosen to complete in order to correctly allocate compensation.

### *Quality control*

The panel is continuously maintained to ensure high quality. For example, ongoing checks are carried out to weed out fraudulent respondents. Panellists are also quarantined after completing a survey to prevent them from taking part in too many surveys. Panellists who have not responded for a long time are also excluded from the panel.

Norstat offers a fair and "just right" attractive reward system for participation. Rewards can be exchanged for gift cards, lottery tickets or donated to charity. A wide range of rewards allows different types of panellists to feel valued and receive something in return. This builds a relationship that elicits serious responses from respondents. The reward system is designed to encourage a good response rate to surveys.

The quality of responses is assured by comparing them with population data. The distribution of respondents is assessed to ensure that it matches the population in terms of age, gender, occupation and education. A quality check of the responses is carried out to filter out frivolous responses from panellists. The methodology is based on speed, anomalies in response patterns and free text responses. This is an effective way of filtering out panellists who have not responded to the survey seriously.

The Panel reserves the right to remove members without prior notice who are suspected of providing poor quality survey responses, including checking response time or response patterns. It is not permitted to register more than one user account or email address per person on the Panel. Duplicate accounts and their associated rewards will be deleted without warning.

### *Protection of respondent data*

As a member of the panel, a respondent gives the panel the right to forward the data provided in his or her profile and the data provided in a survey to clients in a statistically processed and anonymized form. Names, postal addresses, email addresses or other personal information that could identify individuals will not be disclosed to clients or others without prior explicit consent.

The panel protects respondents' personal data through physical and virtual access control and encryption of sensitive parts of any information you provide to us. Norstat has an internal control system for IT security that has been approved in accordance with the ISAE3000 standard.

They also comply with the ESOMAR International Code on Market, Opinion and Social Research and Data Analysis and are certified to the ISO 9001:2015 quality standard.

The panel processes respondents' personal data in accordance with applicable data protection legislation and the GDPR. Respondents have the right to access the personal data the panel holds



about them at any time, to have their data corrected or deleted, and to withdraw their consent to the processing of their personal data.

The GDPR legislates several ideas about data security, particularly from the Privacy by Design theme:

- Minimise the collection of personal data.
- Delete personally identifiable information that is no longer needed.
- Restrict access and secure data throughout its lifecycle.

Norstat has prepared systems and procedures to implement the GDPR. Norstat's systems and procedures ensure that data is secure, both in terms of GDPR requirements and business protection.

## Annex 3: Description of the sample

### Age

**Table 1.** Representativeness - age

| Age          | Amount in Sweden | Share in Sweden | Amount of answer | Share of answers |
|--------------|------------------|-----------------|------------------|------------------|
| 18-25        | 931 699          | 11 %            | 95               | 9%               |
| 26-35        | 1 474 031        | 18 %            | 203              | 20%              |
| 36-45        | 1 299 527        | 16 %            | 136              | 14%              |
| 46-55        | 1 336 368        | 16 %            | 145              | 14%              |
| 56-65        | 1 205 811        | 15 %            | 128              | 13%              |
| 66+          | 2 006 650        | 24 %            | 298              | 30%              |
| <b>Total</b> | <b>8 254 087</b> | <b>100 %</b>    | <b>1005</b>      | <b>100 %</b>     |

### Income

**Table 2.** Representativeness - Income

| Income                | Amount in Sweden | Share in Sweden | Amount of answer | Share of answers |
|-----------------------|------------------|-----------------|------------------|------------------|
| 0-100.000 SEK         | 1 322 506        | 16%             | 64               | 7%               |
| 100.001-200.000 SEK   | 1 405 687        | 17%             | 105              | 12%              |
| 200.001-300.000 SEK   | 1 563 873        | 19%             | 150              | 17%              |
| 300.001-400.000 SEK   | 1 599 186        | 19%             | 207              | 24%              |
| 400.001-500.000 SEK   | 1 130 168        | 14%             | 148              | 17%              |
| 500.001-600.000 SEK   | 616 100          | 7%              | 78               | 9%               |
| 600.001-800.000 SEK   | 436 643          | 5%              | 30               | 9%               |
| 800.001 SEK eller mer | 257 526          | 3%              | 30               | 3%               |
| <b>Total</b>          | <b>8 331 689</b> | <b>100 %</b>    | <b>859</b>       | <b>100 %</b>     |

### Gender

**Table 3.** Representativeness - gender

| Gender       | Amount in Sweden  | Share in Sweden | Amount of answer | Share of answers |
|--------------|-------------------|-----------------|------------------|------------------|
| Man          | 5 260 707         | 50 %            | 502              | 50%              |
| Woman        | 5 191 619         | 50 %            | 503              | 50%              |
| <b>Total</b> | <b>10 452 326</b> | <b>100 %</b>    | <b>1005</b>      | <b>100 %</b>     |

### Region (NUTS 2)

**Table 4.** Representativeness - NUTS 2

| NUTS 2              | Amount in Sweden  | Share in Sweden | Amount of answer | Share of answers |
|---------------------|-------------------|-----------------|------------------|------------------|
| Stockholm           | 2 415 139         | 23 %            | 242              | 24%              |
| Östra Mellansverige | 1 752 290         | 17 %            | 163              | 16%              |
| Småland med öarna   | 878 580           | 8 %             | 75               | 8%               |
| Sydsverige          | 1 561 362         | 15 %            | 154              | 15%              |
| Västsverige         | 2 085 102         | 20 %            | 193              | 19%              |
| Norra Mellansverige | 859 350           | 8 %             | 91               | 9%               |
| Mellersta Norrland  | 376 247           | 4 %             | 30               | 3%               |
| Övre Norrland       | 524 256           | 5 %             | 57               | 6%               |
| <b>Total</b>        | <b>10 452 326</b> | <b>100 %</b>    | <b>1005</b>      | <b>100 %</b>     |