Appendix

Our *Smart* Amsterdam

TUDelft

Intro

Thank you for participating in this research, it's a collaboration project between NEMO and TU Delft for enhancing the inclusiveness and involvement of smart city dialogue among Amsterdam citizens. All the personal info in this booklet and the upcoming interview will only be used in academic purpose and will not be released in public. This booklet consists of 6 little activities, each takes roughly 5 minutes a day. Take it easy and we hope that you enjoy it!

I AMsterdam!

Mark the region where you live.

WESTPOORT

NOORD

WEST

CENTRUM

NEIUW WEST

ZUID

OOST

ZUIDOOST
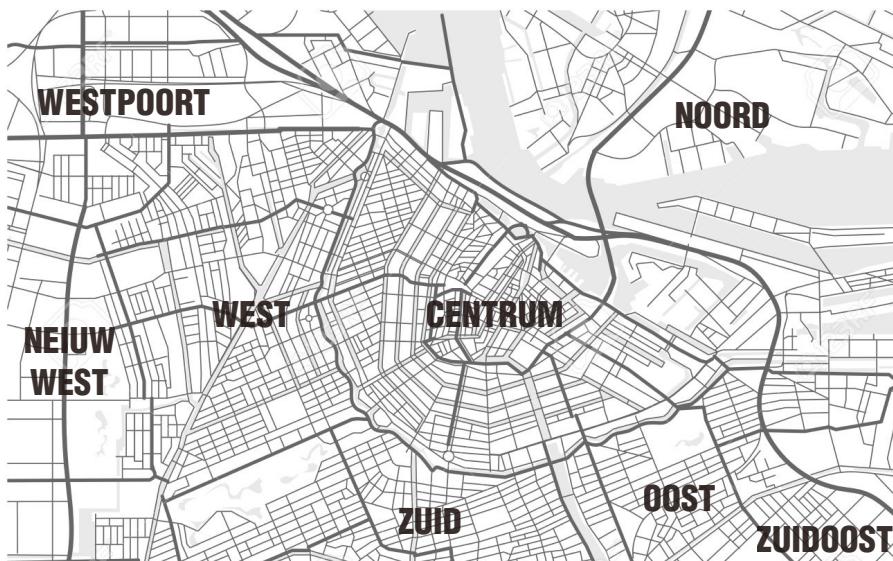
Hi, I am

_____(name).

I come from_____.

I've lived in Amsterdam

for _____ years, and I

plan to stay in Amster-

dam for the upcoming

_____ years.

I do/don't speak Dutch.

# One of a typical weekend day of my life in Amsterdam

Please write down/draw the activities you do on a typical weekend day in Amsterdam on the following timeline. From leaving home till going back home. Please indicate the public spaces, the facilities that you use or the way of transportation etc

leave home

example:

Westerpark · oba library · open market

leave home · bike · bike · drive · drive · back to home
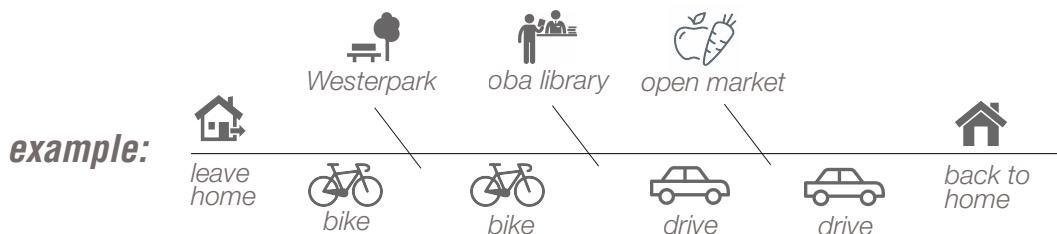
back home

The public space I like most and dislike in Amsterdam

Take a picture/write/make a drawing of your favorite & disliked public space in Amsterdam, and shortly explain why you like it/dislike it.
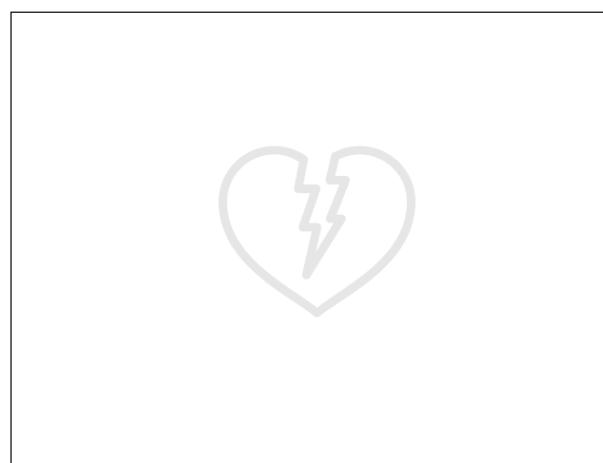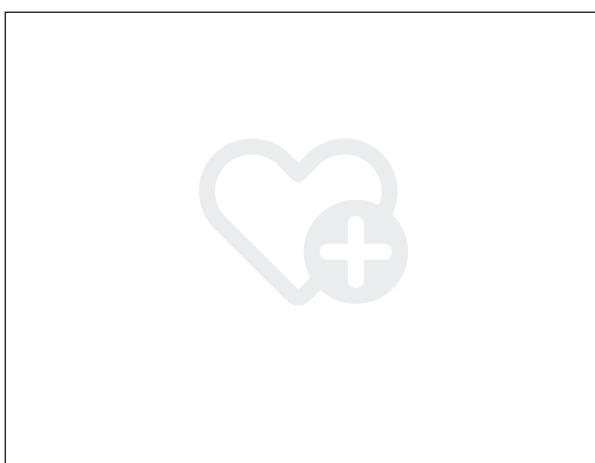
Interests in public developments in Amsterdam?

Please select three of the following smart city topics in Amsterdam which you would like to know more about. Write them down on the next page and shortly describe why.

intelligent efficient transportation system

sustainable waste management

Smart community services

safety first schools

circular power plants

AI-powered fair law enforcement

smart water supply network

intelligent hospitals

ubiquitous smart library

topics

## reasons why I am more interested in these topics

1. _____

_____

_____

2. _____

_____

_____

3. _____

_____

_____

What do you think of when talking about a smart city?

Write down anything that pops up into your mind when think of "smart city".
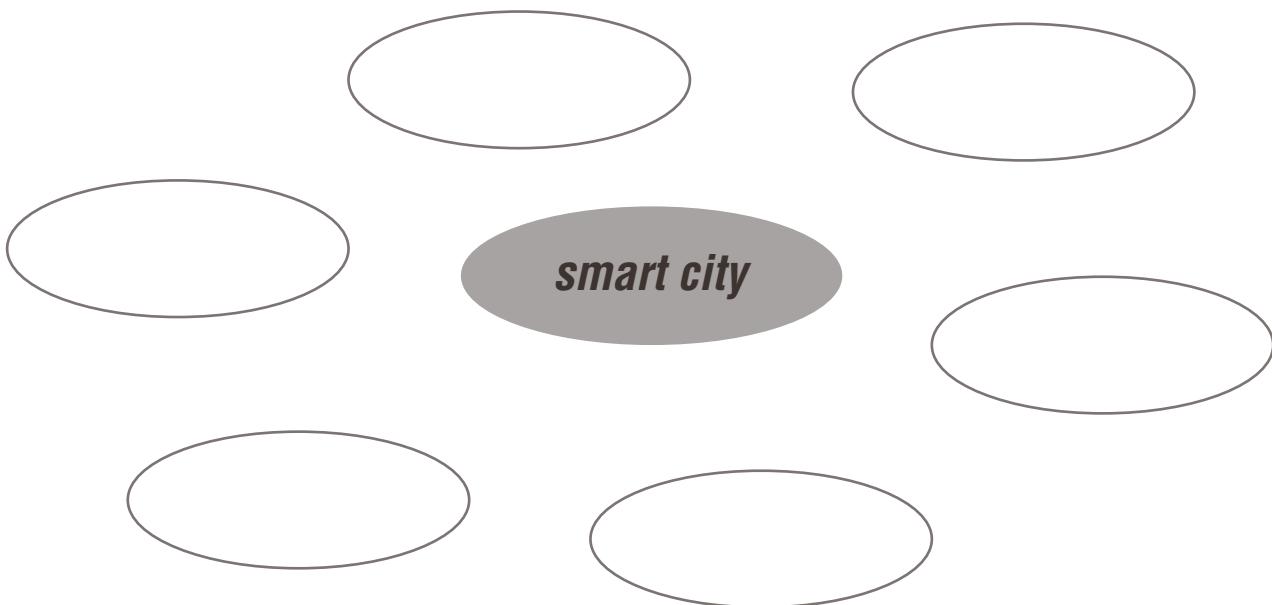
smart city

Search two pictures from magazines or newspaper

that can express your feeling toward "smart city" and shortly explain why.
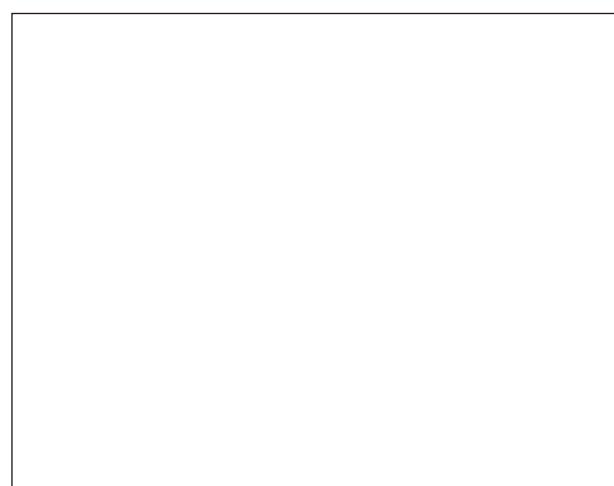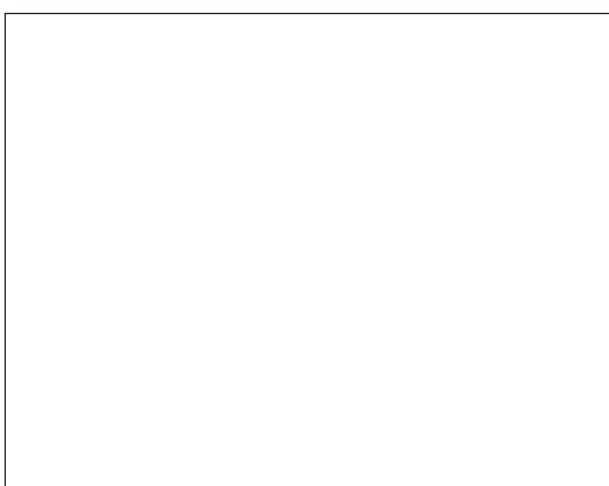
Thank you.

Thank you very much and congrats that you finish this booklet! Please don't hesitate to contact me whenever you have any questions. Looking forward to seeing you in the upcoming interview (playful session)!

Haoyung Chang
howdai1026@gmail.com
0620951733

Question list for semi-structured interview
About the current situation of public issue engagement of the citizens

involvement of public issue

- ☒ What are the ways that you engage in public issues now?
  (Watching news, read newspaper, listen to radios, watch political programs, reading articles from social media)

- ☒ What programs/platform exactly, and do you like/dislike about them?

- ☒ Is there other ways that you engage in public issues? (leave it open first)
  ex: talk with friends, participate in the activities (climate march, community meetings...etc.)

- ☒ When was the last time you engage in public issue?

- ☒ What was the topic about? How was it to do this? How did this feel?

- ☒ Are you more often engage with this topic, why/why not?

- ☒ There are different ways to engage in public issues, like to have a dialogue with your neighbors or the government.
  - ☒ Would you like to do so?
  - ☒ What stops you from engaging in this different way of engaging with public issues? (take too much effort, don't have time, not interested in...etc)

Amsteram Times

Amsterdam Times, the most trustworthy news in the universe since 2019.

New fingerprint trash-tracing system pilot testing.

As one of the most sustainable city in the world, The city of Amsterdam plans to transit to a circular city as quickly as possible – by 2050 at the very latest. The first step is to increasing the recycling rate up to 85% and reducing 50% of the total amount by 2025. With the fingerprint tracing technology, we trace each piece of garbage in Amsterdam and nothing can be thrown without scanning one's fingerprint.

The smart trash bins in Amsterdam

This year, 2024, all of the garbage bin in Amsterdam are redesigned into smart bins. No ID card required makes the life of citizens in Amsterdam more convenient and sustainable!

How do Amsterdamers say?

"Science fiction in real life!"

Yeah, it's fantastic! Almost like science fiction in real life. What a smart system! I think in this case, it largely reduces the amount of garbage. We made the right decision and great progress to protect our environment! -said Tom, 32

"Too much contrains."

Well, I feel so much constrains in my life. Whenever I need to throw garbage, I have to worry about the size of the garbage, whether it's put into the right bin, and what's worse, the bill by the end of the year! Life is a struggle.- said Sjors, 62

How do you say?

title

picture

text
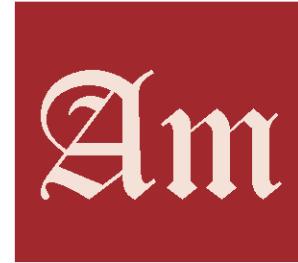
Amsterdam Times

The most trust-worthy news in the universe since 2019.

Date ___ ___ _____

title

picture

content of the news

Am Amsterdam Times

The most trust-worthy news in the universe since 2019.

Date ___ ___ _____

title

picture	content of the news

Future News Brainstorming

Purpose
Future news brainstorming is a way to trigger the imagination of future scenario on a particular topic. It can be used together with Future News Stand to trigger discussions of the future scenario on a specific topic.

Timeframe: 20 minutes/topic

Number of facilitator/participants: 1 to 2~20

group size: 2-5 people/group

materials:
printed future news brainstorming template, pens, post-it notes

Instruction:
There are 4 steps in the future news brainstorming process

1. Brief the topic to the participants
The topic can start with "the future of _____" (ex: transportation, air quality, sound quality... in Amsterdam.)

2. In 6 minutes, each participant generates 1 headline every 1 minute and draw/write on the post-it. In the end, each participant will have 6 draft headlines.

3. Idea sharing and discussion
One by one, the participants share their ideas in the group, and together with the team they choose one most interesting headline from each 6 ideas.

4. Detailed the chosen idea
Each participant gets one future news brainstorming template, and use it to further develop the news by detailing the content of the news and draw a picture of the news to tell the story.

Tip!: Guide the participants to think toward possible dark scenarios in the future help to enhance the excitement!

Am Amsterdam Times

The most trustworthy news radio in the universe since 2019.

Headlines

24 August 2040

1 headline - 1

2 headline - 2

3 headline - 3

4 headline - 4

the description of the topic for discussion

Am **Amsterdam Times**
The most trustworthy news radio in the universe since 2019.

Headlines *24 August 2040*

**1** headline - 1

2 headline - 2

3 headline - 3

4 headline - 4

the description of the topic for discussion

Template of
Future News Headline

Purpose
Future News Headline template and Future News Radio template are part of the design of Future News Stand. This set of co-creation tools aims at helping to create future scenarios to trigger more in-depth discussions with citizens.

Instruction
1. Selection of news
After Future News Brainstorming, the generated future news will be selected base on the primary goal of the specific project and the plausibility of the news.

Notice: One should consider the plausibility of the news since it will influence participants engagement on the discussion. The future scenario should be plausible enough that the participants can position themselves in it and express their thoughts on it.

2. Editing the content of news radio
While editing the content of Future News Radio, we should pay attention to use the words in a precise and straightforward way. Besides, with shorter sentences to ensure it's easy for the public to understand.

3. Put the news content onto Future News Headline template
In this step, we suggest keeping the consistency of the headline description in the news radio and on the headline list of the template. This can help the audiences to catch the news radio with ease.

An example of filled-in Future News Headline

Am **Amsterdam Times**
The most trustworthy news in the universe since 2019.

How would future public transport in Amsterdam be like?

Headlines   *24 August 2040*

1 MASS: the largest transportation service in Amsterdam

2 7 minutes commuting time reduction & free transportation

3 You don't bike? Your Insurance fee will increase.

4 Would MASS be the largest surveillance system in Amsterdam?

Template of Future News Radio

Instruction
According to the chosen main topic, the orange texts can be changed to adapt. After finishing editing the file, any online text-to-voice tool can be used to make it into radio format!

[template]
Good afternoon everybody, Welcome to the Future News Radio Amsterdam.
The most trustworthy News in the universe since 2019.
Today is the twentieth of August 2040.
This is the reporter, Anna van der Berg.

Let's have a look at the headlines on the board. Today, we have these 4 pieces of future news about public transport in Amsterdam.

First news,
MASS, the largest transportation service in Amsterdam.

MASS has become the largest transportation service provider in Amsterdam. They combine all the transportation ways in one system. From electric bikes to scooters, and from trains to even self-driving taxis. Travel everywhere in Amsterdam with MASS!

Second news,
7 minutes commuting time reduction & free transportation.

Due to the advanced development of data gathering and analysis technology, MASS can precisely calculate and let commuters (or passengers) save 7 minutes every day. To better develop this algorithm, MASS provides free transportation as long as the passengers pay with their commute data such as total commute time and routine. With more data collected in the system, MASS expects to save up to 18 minutes per person per day.

Third news,
You don't bike? Your insurance fee will increase.

Recently, some citizens reported that their health insurance fee increased since they don't ride a bike. This may be revealed as a result of data leakage, or even transaction between the insurance company and MASS. Amsterdam police are conducting the investigation now.

Fourth news,
MASS, the largest surveillance system in Amsterdam?

MASS holds a huge amount of personal data since Amsterdamers pay with their transportation habits. This brings the question of whether MASS is the largest surveillance system that knows you better than your wife or husband!

OK, so far are the news from the future. Let's go back to the present. Can you give your opinion on this news to Haoyung, the woman next to me? Thanks in advance!

IDE Master Graduation
Project team, Procedural checks and personal Project brief

This document contains the agreements made between student and supervisory team about the student's IDE Master Graduation Project. This document can also include the involvement of an external organisation, however, it does not cover any legal employment relationship that the student and the client (might) agree upon. Next to that, this document facilitates the required procedural checks. In this document:

- The student defines the team, what he/she is going to do/deliver and how that will come about.
- SSC E&SA (Shared Service Center, Education & Student Affairs) reports on the student's registration and study progress.
- IDE's Board of Examiners confirms if the student is allowed to start the Graduation Project.

USE ADOBE ACROBAT READER TO OPEN, EDIT AND SAVE THIS DOCUMENT
Download again and reopen in case you tried other software, such as Preview (Mac) or a webbrowser.

STUDENT DATA & MASTER PROGRAMME
Save this form according the format "IDE Master Graduation Project Brief_familyname_firstname_studentnumber_dd-mm-yyyy".
Complete all blue parts of the form and include the approved Project Brief in your Graduation Report as Appendix 1 !

family name _____

initials _____ given name _____

student number _____

street & no. _____

zipcode & city _____

country _____

phone _____

email _____

Your master programme (only select the options that apply to you):

IDE master(s): (IPD) (Dfl) (SPD)

2nd non-IDE master: _____

individual programme: ____ - ____ - ____ (give date of approval)

honours programme: (_____)

specialisation / annotation: (_____)

(_____)

(_____)

SUPERVISORY TEAM **
Fill in the required data for the supervisory team members. Please check the instructions on the right !

** chair _____ dept. / section: _____

** mentor _____ dept. / section: _____

2nd mentor _____

organisation: _____

city: _____ country: _____

comments (optional)

Chair should request the IDE Board of Examiners for approval of a non-IDE mentor, including a motivation letter and c.v..

Second mentor only applies in case the assignment is hosted by an external organisation.

Ensure a heterogeneous team. In case you wish to include two team members from the same section, please explain why.

Procedural Checks - IDE Master Graduation

APPROVAL PROJECT BRIEF
To be filled in by the chair of the supervisory team.

chair _____   date ____ - ____ - _____   signature _____

CHECK STUDY PROGRESS
To be filled in by the SSC E&SA (Shared Service Center, Education & Student Affairs), after approval of the project brief by the Chair.
The study progress will be checked for a 2nd time just before the green light meeting.

Master electives no. of EC accumulated in total: _____ EC

Of which, taking the conditional requirements
into account, can be part of the exam programme _____ EC

List of electives obtained before the third
semester without approval of the BoE

( ) YES   all 1st year master courses passed

( ) NO   missing 1st year master courses are:

name _____   date ____ - ____ - _____   signature _____

FORMAL APPROVAL GRADUATION PROJECT
To be filled in by the Board of Examiners of IDE TU Delft. Please check the supervisory team and study the parts of the brief marked **.
Next, please assess, (dis)approve and sign this Project Brief, by using the criteria below.

- Does the project fit within the (MSc)-programme of the student (taking into account, if described, the activities done next to the obligatory MSc specific courses)?
- Is the level of the project challenging enough for a MSc IDE graduating student?
- Is the project expected to be doable within 100 working days/20 weeks ?
- Does the composition of the supervisory team comply with the regulations and fit the assignment ?

Content: ( ) APPROVED   ( ) NOT APPROVED

Procedure: ( ) APPROVED   ( ) NOT APPROVED

comments

name _____   date ____ - ____ - _____   signature _____

Initials & Name _____   Student number _____

Title of Project _____

Personal Project Brief - IDE Master Graduation

_____ project title

Please state the title of your graduation project (above) and the start date and end date (below). Keep the title compact and simple. Do not use abbreviations. The remainder of this document allows you to define and clarify your graduation project.

start date _____ - _____ - _____   _____ - _____ - _____ end date

INTRODUCTION **
Please describe, the context of your project, and address the main stakeholders (interests) within this context in a concise yet complete manner. Who are involved, what do they value and how do they currently operate within the given context? What are the main opportunities and limitations you are currently aware of (cultural- and social norms, resources (time, money,...), technology, ...).

space available for images / figures on next page

Initials & Name _____ Student number _____

Title of Project _____

introduction (continued): space for images

image / figure 1: _____

image / figure 2: _____

Initials & Name _____ Student number _____

Title of Project _____

Initials & Name _____   Student number _____

Title of Project _____

**PLANNING AND APPROACH **

Include a Gantt Chart (replace the example below - more examples can be found in Manual 2) that shows the different phases of your project, deliverables you have in mind, meetings, and how you plan to spend your time. Please note that all activities should fit within the given net time of 30 EC = 20 full time weeks or 100 working days, and your planning should include a kick-off meeting, mid-term meeting, green light meeting and graduation ceremony. Illustrate your Gantt Chart by, for instance, explaining your approach, and please indicate periods of part-time activities and/or periods of not spending time on your graduation project, if any, for instance because of holidays or parallel activities.

start date _____ - _____ - _____   _____ - _____ - _____ end date

Initials & Name _____   Student number _____

Title of Project _____

Personal Project Brief - IDE Master Graduation

MOTIVATION AND PERSONAL AMBITIONS

Explain why you set up this project, what competences you want to prove and learn. For example: acquired competences from your MSc programme, the elective semester, extra-curricular activities (etc.) and point out the competences you have yet developed. Optionally, describe which personal learning ambitions you explicitly want to address in this project, on top of the learning objectives of the Graduation Project, such as: in depth knowledge a on specific subject, broadening your competences or experimenting with a specific tool and/or methodology, ... Stick to no more than five ambitions.

FINAL COMMENTS

In case your project brief needs final comments, please add any information you think is relevant.

Initials & Name _____   Student number _____

Title of Project _____