Replicator Cities Programme

Introduction

Over the course of three years, the TMaaS team's ultimate goal is to develop an on demand modular solution, where cities can create a customised tool by subscribing to services according to their needs. Traffic Management as a Service will be built on an open, modular data platform that facilitates the adaptation to new technological trends and innovations and creates opportunities for new partnerships. TMaaS requires high standards in terms of flexibility and transferability. For this reason, the project foresees a trial of the TMaaS concept in a number of so-called 'Replicator Cities'.

If you're interested in participating with your city in the TMaaS Replicator Programme, please fill in the application form on our website before June 30th 2019. Publication of the selected Replicator Cities will be announced on this website in October 2019.

Find out what it takes to become a TMaaS Replicator City!

What do we expect from a TMaaS Replicator City?

Level of commitment

The Replicator City is expected to reserve and provide the necessary resources to work with the TMaaS team. This can essentially be summarized as follows:

1. Get acquainted with the project.

2. Provide a motivated person with knowledge of traffic management who has the mandate to communicate about mobility in the Replicator City. This will not be a full-time occupation, but rather variable during the lifetime of the project: approximately 2 days/week during the startup phase to ½ day once the dashboard has been launched. It is essential obligation of the Replicator City to foresee sufficient availability of one staff member.

3. Give input on local context and requirements.

4. Assist with connecting the local data sources (e.g. connect with the IT department at the city, local start-up, etc).

5. Participate at the monthly Replicator City meetings in an online conference call. Willingness to travel abroad is not required.

6. Recruit at least one hundred end citizens to test the platform.

7. Give feedback on the dashboard, requirements, end user evaluation.

8. Help with dissemination and reporting of the project results.

The Replicator City needs to respect the following vision in terms of mobility:

1. The Replicator City is interested in setting up a traffic management centre, or upgrading the existing one.

2. The Replicator City wants to make (better) use of existing (local) traffic data sources for traffic monitoring.

3. The Replicator City has ongoing or planned measures that will be supported or facilitated by the TMaaS platform.

4. The Replicator City has a (developing) multimodal mobility policy or sustainable urban mobility plan to deal with these issues.

5. The Replicator City sees reliable traffic information as a means to help citizens optimize their travel behaviour.

The Replicator City should be able to implement the TMaaS platform:

1. The Replicator City should have: the availability of a minimum amount of traffic data. TMaaS team expects at least one local specific data source which can readily be integrated or acquired, and this data source is not yet part of the existing dashboard data sources. The project will assist with the integration of these data sources in the platform.

2. The Replicator City is solely responsible for providing the platform and communication in its local language in a correct and professional fashion. The project can assist where possible but cannot be held to provide financial or other support for enabling translations.

3. As the project language is English, the personnel designated by the Replicator City shall have an expert knowledge of English.

The TMaaS promise to Replicator Cities

The TMaaS project team will:

1. Openly share with the replicator cities the TMaaS implementation experience at the City of Ghent as the first TMaaS demonstrator city and lessons learned in this process.

2. Integrate at least one local data source, in the Replicator City dashboard besides the ones already integrated in the TMaaS dashboard. If needed, assist the Replicator City with the budget of up to € 10,000 for purchasing the digital mobility data needed for the traffic management.

3. Provide replication guidelines on:

• Data planning, integration and storage

• Use of TMaaS APIs

• Use and implementation of citizen preference interface

• TMaaS personalisation (alternatives calculator and analytics)

• Use and implementation of TMaaS dashboard and communications connectors

• Collection of city and citizens requirements.

• Communication and dissemination of the project results.

4. Provide monthly updates and feedback on the questions raised by the replicator cities at the replication meetings.

5. Help increasing the visibility of the replicator city:

• Build Replicator City dedicated website page on www.tmaas.eu

• Include Replicator City in its communication and dissemination materials

• Provide support and, where possible, TMaaS dissemination materials

• Include the story about the Replicator City in the TMaaS documentary

• Integrate dedicated Replicator City section in our TMaaS bookazine

6. Provide the Replicator City with the data integrators already built for city of Ghent for free (until February 2021).

7. Provide the Replicator City with the starting TMaaS platform data package, if available in the city or territory concerned, during the replication (until February 2021) for free.

What is TMaaS?

TMaaS is a **neutral traffic management framework for urban mobility, developed by TMaaS** aimed towards small and medium sized cities. It is used both by mobility managers and citizens.

It accepts and connects **multimodal data and services** from different parties for monitoring, analysis and management

It allows **flexible adaptation** and on-demand use of the system

It is an **open urban TM marketplace** for 3rd parties to bring innovative solutions and business models

It stimulates **citizen participation** and co-creation in urban mobility

TMaaS will be demonstrated in real use cases for the city of **Ghent** and selected **replicator cities**.


TMaaS
Traffic Management as a Service

TMaaS is a partnership between:

Replicator Cities Programme

* example Online Application Form *

1. General*

City:

Country:

Population of the city:

Transport modes available in your city:

The budget your city is willing to invest in a local project roll-out

2. Traffic management center*

Do you already have a traffic management center implemented at your city?

No

We are planning to open one soon and are exploring the potential options

Yes, but the project is in its infancy

Yes, but only/mainly car oriented

Yes, we have a full multi-modal traffic management centre in place

Other:
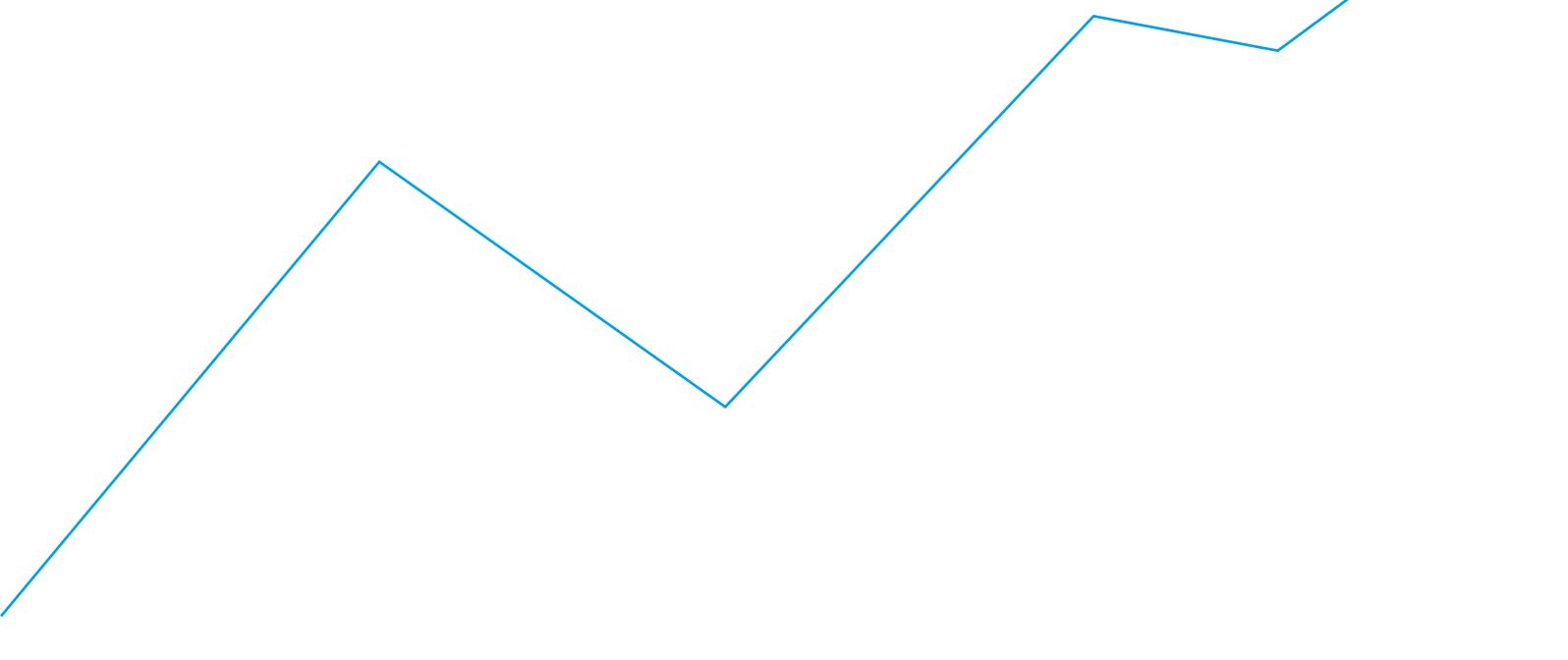
Is you traffic management center:

Legacy and sensor based (e.g. traffic loops, cameras etc.)

Data driven (open data only)

Data driven (commercial data only)

Other

Please indicate to what extent you agree with the statements below (we = the potential replicator city).

Choose between 'totally agree', 'agree', 'neutral', 'disagree', 'totally disagree':

We have a clear political leadership on Open Data/Open Government/Access to information.

Yes, fully
Yes, with some guidelines on TMaaS specifics from the TMaaS Ghent team
Yes, with some additional training
Not fully, but we are eager to learn
We have very limited in- house knowledge and expertise in this domain

We have a strong legal and policy framework for the protection of personal privacy and for the ownership and licensing of government data.

totally agree
agree
neutral
disagree
totally disagree

We have the relevant capabilities, mandates, project management experience and technical skills to plan and implement an Open Data Programme.

- totally agree
- agree
- neutral
- disagree
- totally disagree

We have actual intra- and inter-government demand for data as well as a demand for data from Civil Society, Development Partners and the media.

- totally agree
- agree
- neutral
- disagree
- totally disagree

We have engaged in activities to promote the re-use of government-held data (e.g., in developing apps or organising co-creation events).

- totally agree
- agree
- neutral
- disagree
- totally disagree

What local traffic data sources are already available for your city?*

Do you believe that the level of expertise within your city/traffic management team is sufficient to implement the TMaaS replication?

- Yes, fully

- Yes, with some guidelines on TMaaS specifics from the TMaaS Ghent team

- Yes, with some additional training

- Not fully, but we are eager to learn

- We have very limited in-house knowledge and expertise in this domain
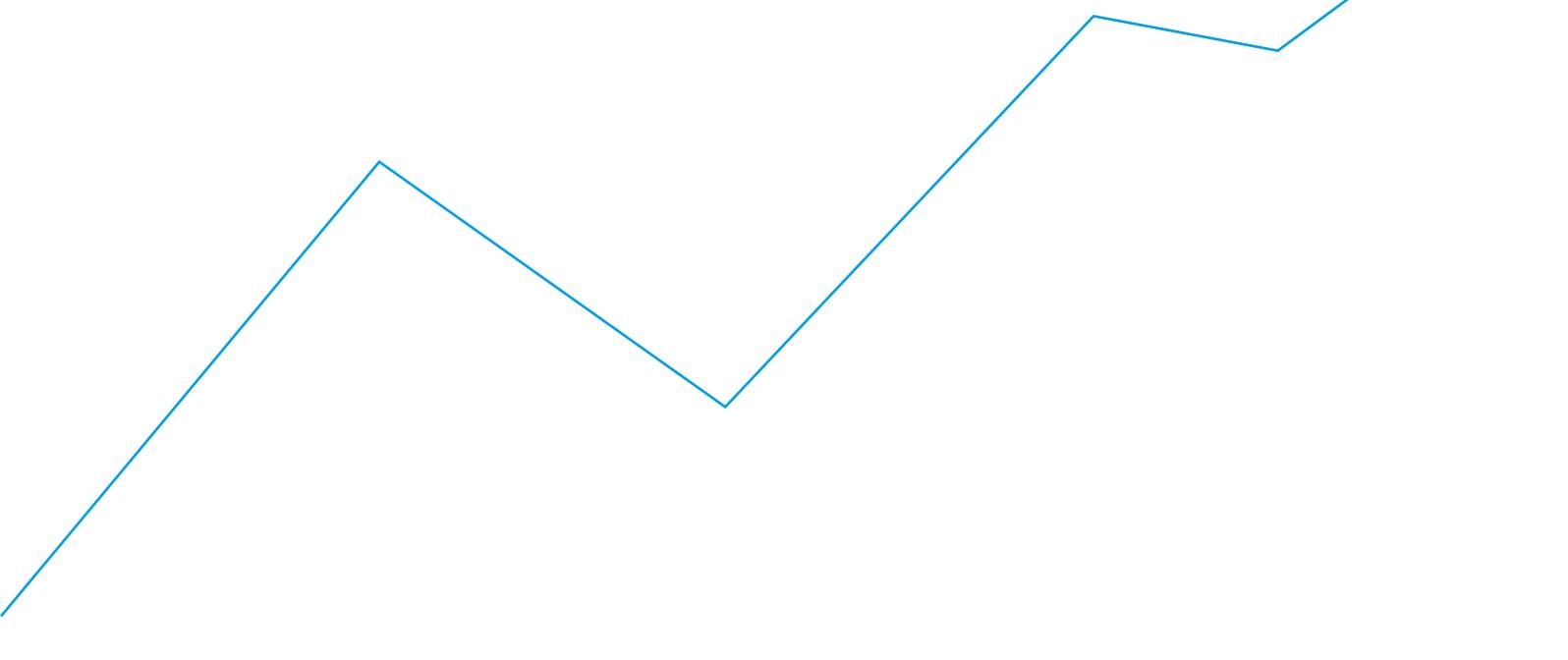
3. Motivation*

Please specify any multimodal mobility related issues for which you would like to test TMaaS and see how it can assist you in your daily operations and/or decision-making.

(More than one example may be given, some examples available here.)

Your main motivation for implementing TMaaS is:

To support traffic management operations

To support strategic decision making on mobility

To support citizens' initiatives and citizens' scientific initiatives

To support citizens-city communications
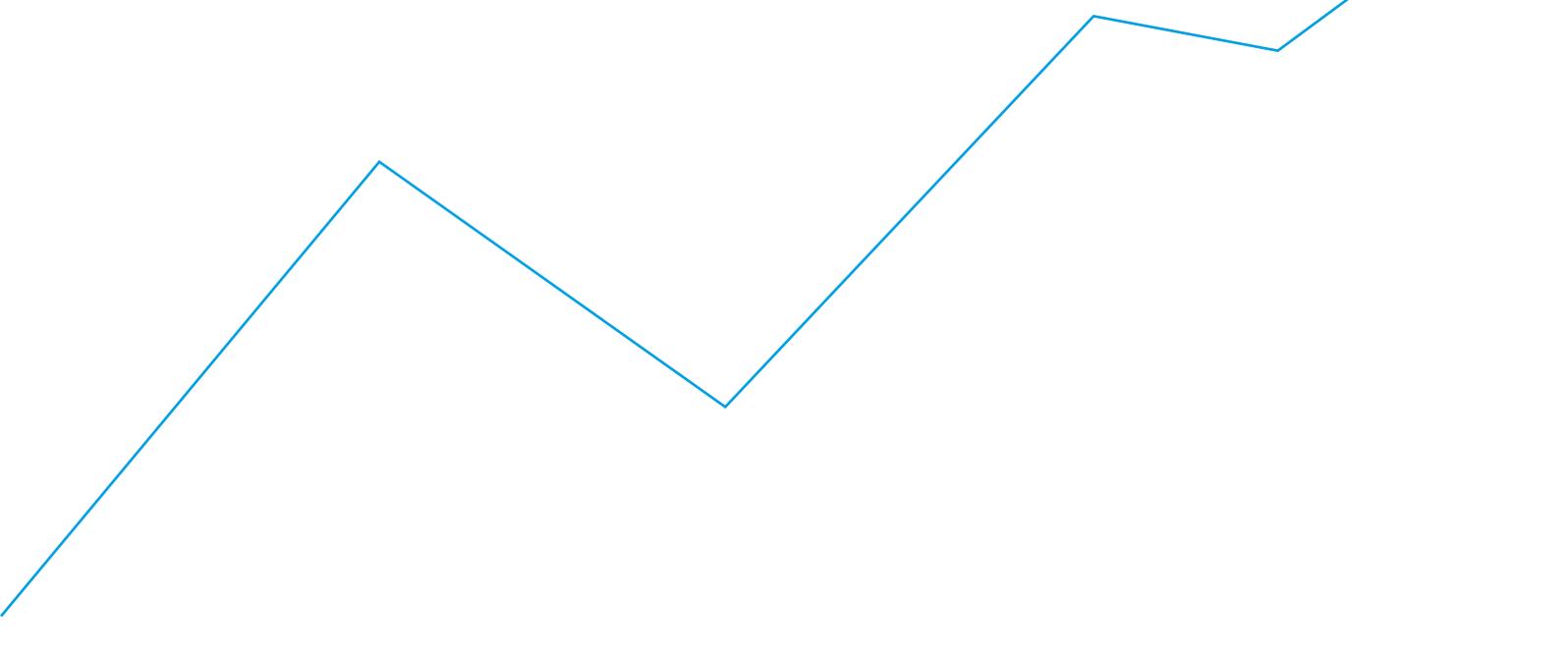
4. Contact details*

Contact person:

Affiliation:

Job title:

Phone:

Mobile:

Email:

Do you have a mandate to present your city as a TMaaS Replicator Candidate?*

Yes

No

Only if the answer to the previous question is 'yes' and the following three questions are marked, the submit button becomes active.

By submitting this form, the replicator city, acknowledges that*:

The project will select the Replicator Cities completely autonomously, without any obligation to provide feedback. Appeal against its decisions is not possible.

It understands the obligations incumbent to it and confirms that it fulfils the criteria for becoming a replicator city. Non-fulfilment of one or more of these criteria may result in the immediate termination of the collaboration.

We agree that our city will be listed on the TMaaS website as candidate TMaaS Replicator City as per this application.