



## A neutral traffic management framework for urban mobility

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Session 2B – The changing face of traffic management







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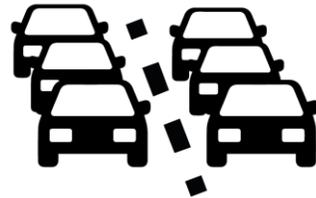
# Ghent

260K inhabitants

156.2 km<sup>2</sup>

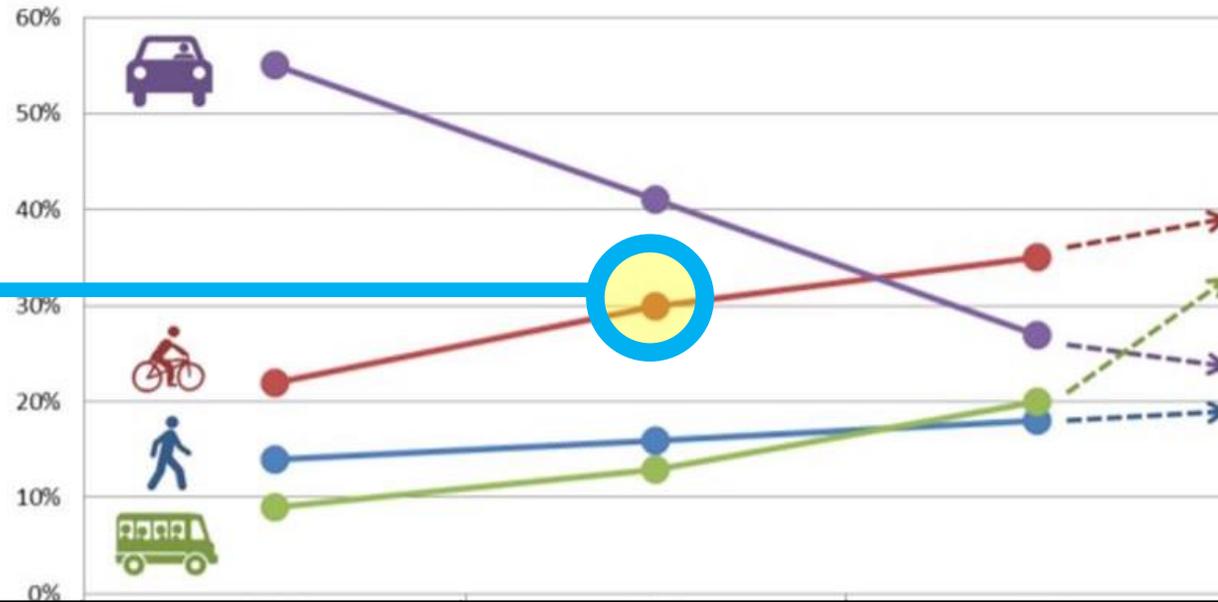
10% growth in 10 years

Mobility challenges



# Modal shift ambitions for Ghent

**gent:** **2018:**  
33% cyclists



	2012	2020	2030
<b>Walking</b>	14%	16%	18%
<b>Cycling</b>	22%	30%	35%
<b>PT</b>	9%	13%	20%
<b>Cars</b>	55%	41%	27%

# Ghent needs

Multi-modal  
More than transport  
and cars



# On offer ITS

Transport & Cars



# TMaas | Traffic Management as a Service



City of Ghent (Belgium)  
In partnership with



This project is co-financed by the European Regional and Development Fund through the Urban Innovative Actions Initiative.





# The TMaaS project

## Year 1

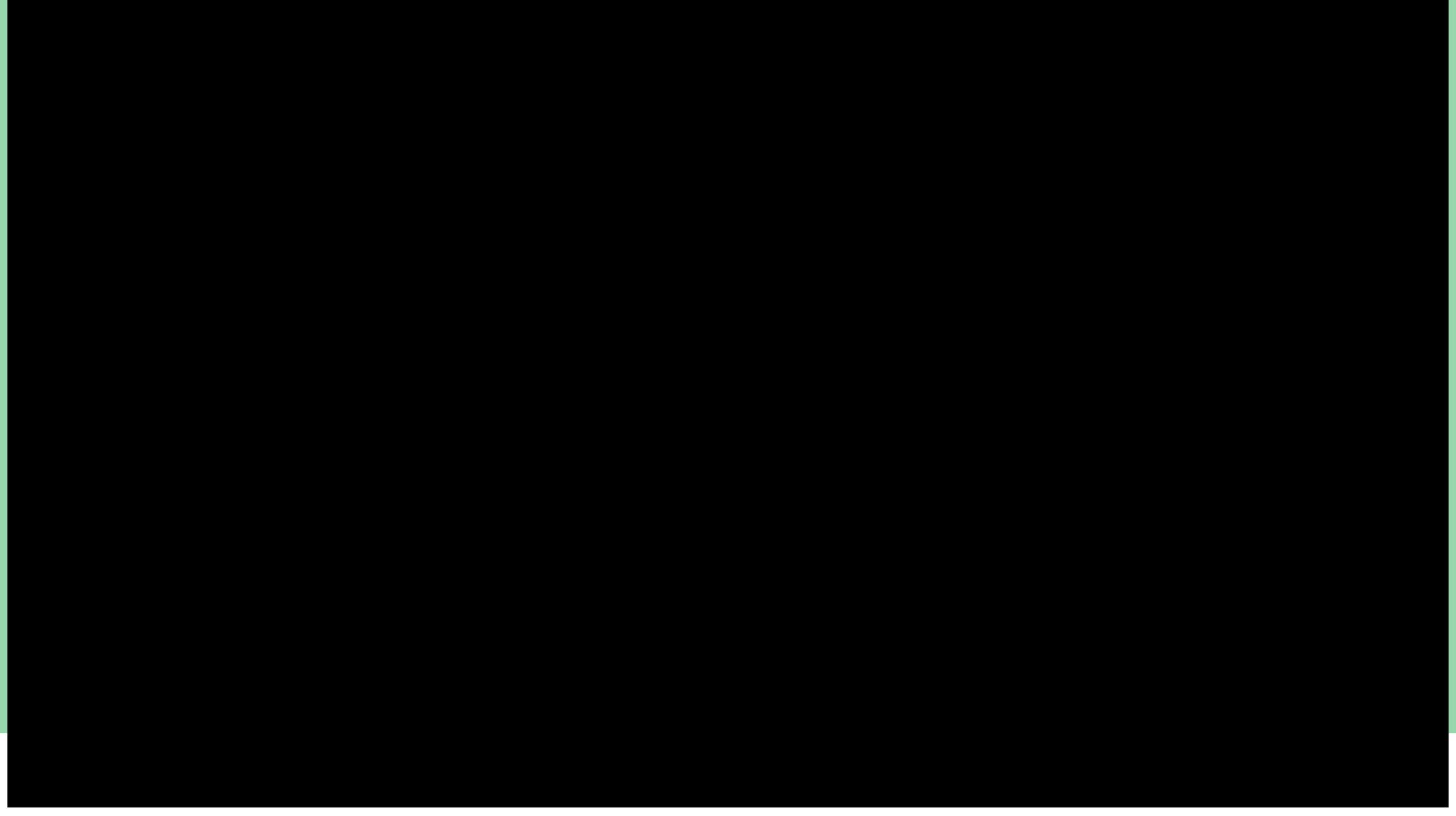
Research activities

## Year 2

Implementation for City of Ghent  
(Nov) Start Replicator Programme

## Year 3

Optimization and Implementation in Replicator Cities



Warnings on pre-defined routes



Data editor



Real-time / historical statistics of KPI's



Show useful Points of Interest on a map



Immediate insights in real-time traffic events



Innovations for traffic managers and citizens

Asset monitoring



Dynamic Vehicle Positions on a map



Two-way communication



# TMaaS Replicator Cities



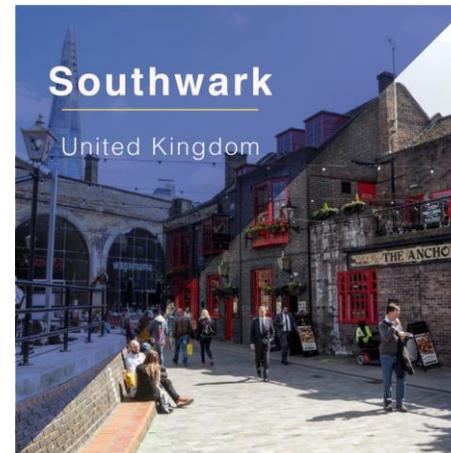
**Antwerp**  
Belgium

Focus on the two-way communication with citizens



**Durán**  
Ecuador

Overview of public transport in the city



**Southwark**  
United Kingdom

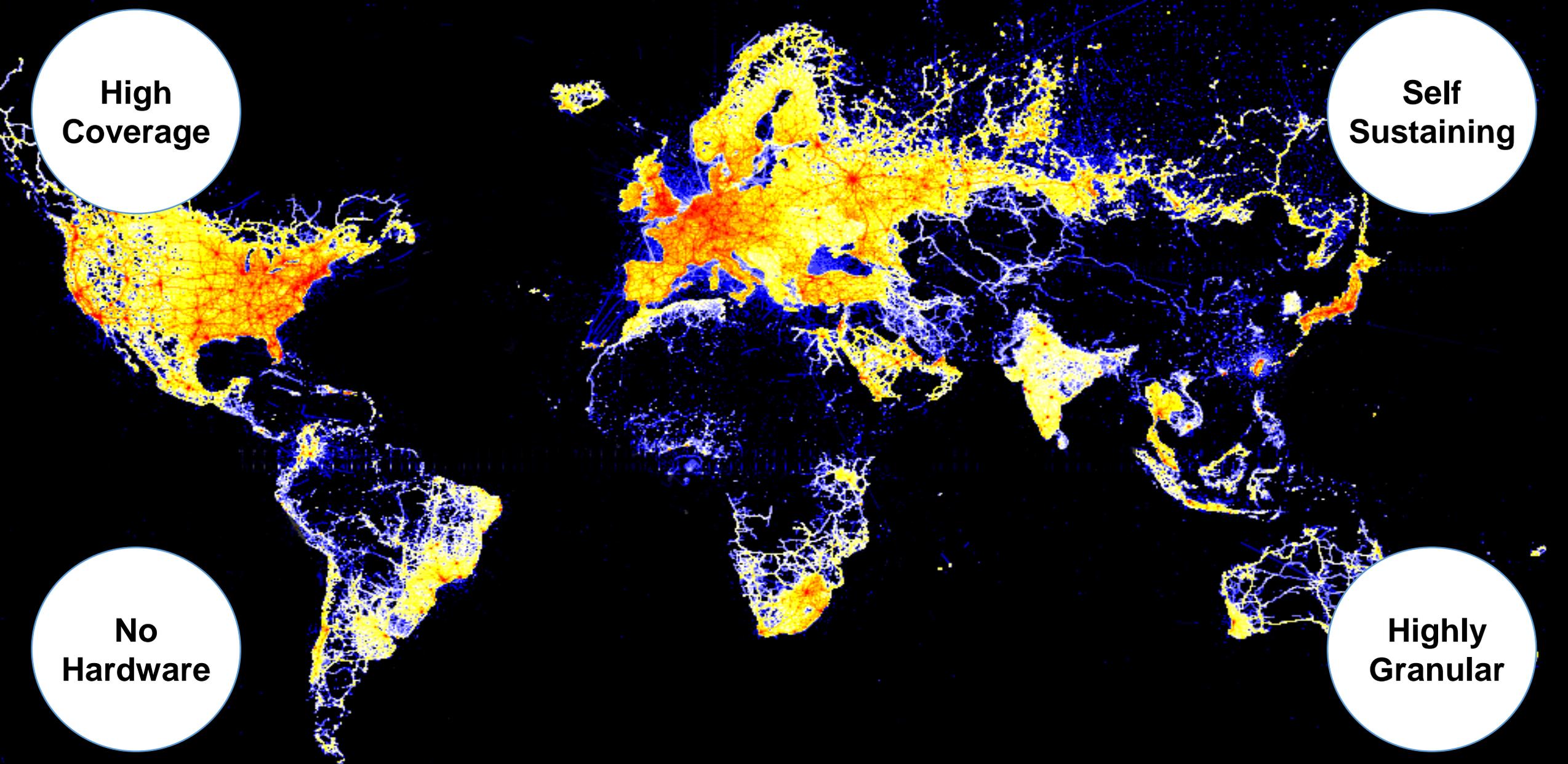
Monitor and improve efficiency on the highway using the traffic lights

# 2020

**Q1**  
Dashboard development

**Q2-3**  
Implementation and testing

**Q3-4**  
Evaluation of the Replicator dashboards

A world map with a network overlay. The network is represented by a dense web of lines connecting various points across the globe. The lines are color-coded, with yellow and orange indicating higher density or activity, and blue indicating lower density. The map is set against a dark background with a starry pattern, suggesting a global or space-based network.

**High  
Coverage**

**Self  
Sustaining**

**No  
Hardware**

**Highly  
Granular**

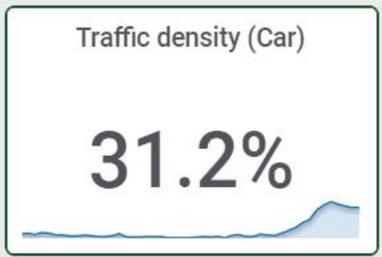
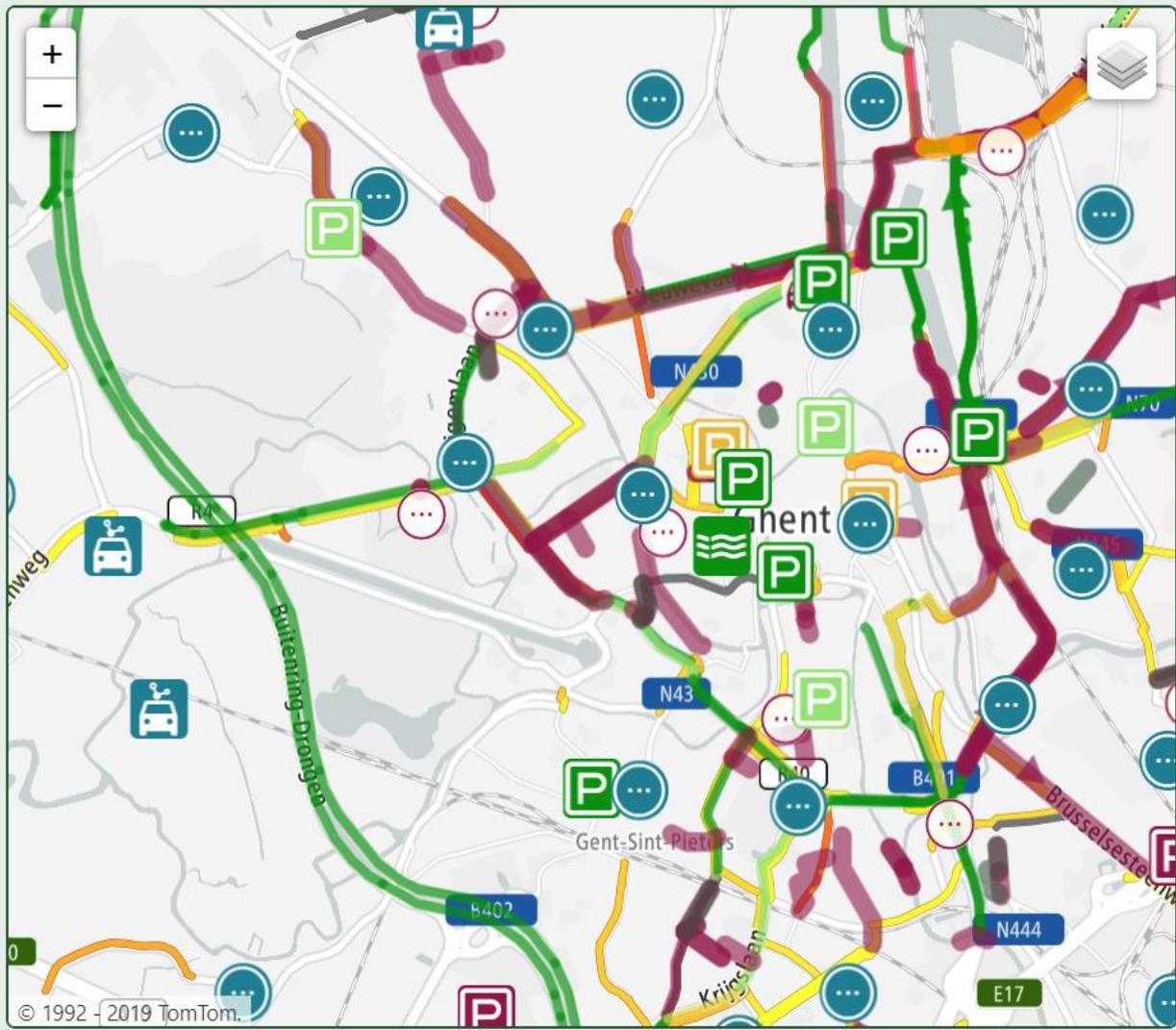


# HOW FAST IS MY CITY MOVING NOW



# WHAT IS CAUSING CONGESTION?





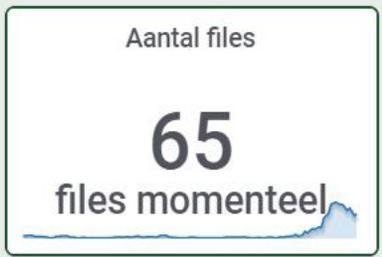
🔔 Stad Gent 3 days ago

TEST123



Alerts

🚫 Bike parking Braunplein is almost full  
**ALERTING** for an hour



Overzicht parkeerdruchte

Naam van de parking	Bezettingsgraad	Vrije parkeerplaatsen
P+R The Loop	100.00%	0
P+R Arsenal	100.00%	0
Ramen	72.96%	73
Reep	62.57%	134
Vrijdagmarkt	55.33%	289
P+R Beurzen	44.90%	120



# What else could TMaaS do for your city?



FCD-Based  
Traffic Light  
Control



Historical  
Traffic  
Analysis  
Services



Predictive  
Traffic  
Services

Customizable

Plug & Play

No Vendor Lock-In



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# Thank you!

