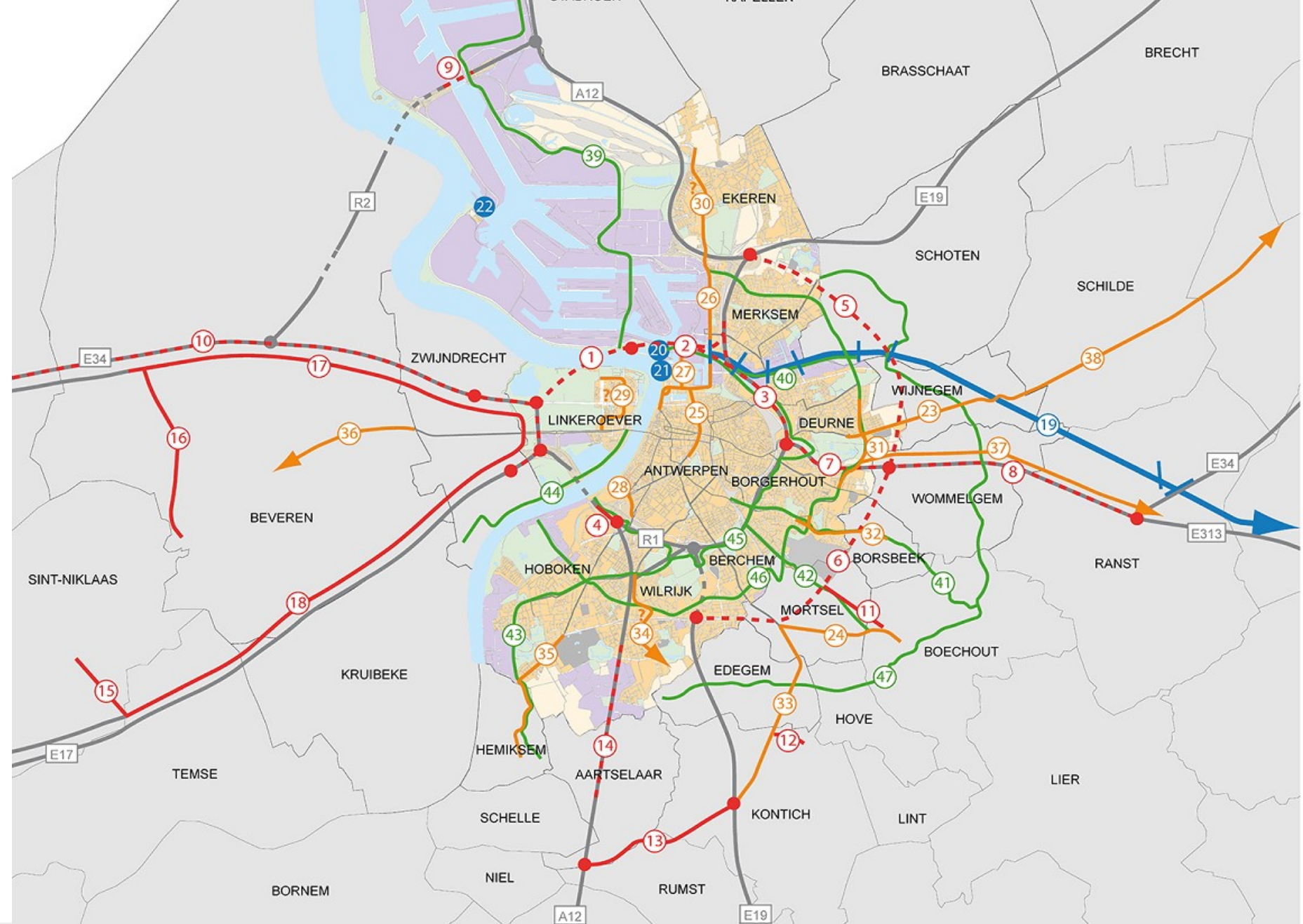


Smart Ways to Antwerp & NXTMobility

Building a next generation modular ecosystem
to support multimodal user-centric mobility.

- City of Antwerp: 204.5km²
- Population: app. 524,000
- Population density: app. 2,654 inh. per km²
- Biggest city in Flanders
 - + 520,000 inhabitants
 - + 250,000 commuters
 - + 50,000 students
- 174 nationalities
- Focus on innovation and creation
- 29,185 self-employed people
- Monthly + 1 million passers-by in city center
- Almost 15 million (day) tourists per year
- Over 60,849 people work in 900 companies in the Port of Antwerp





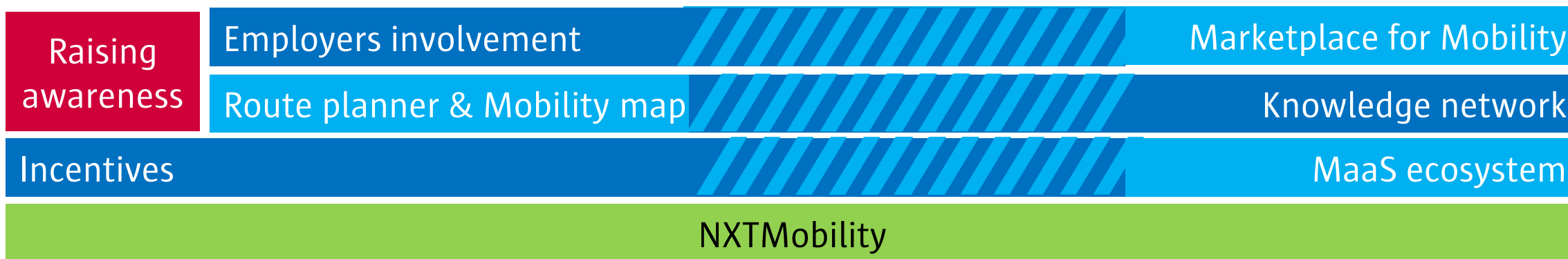
Mind Modal Time Flex

Shift

**An integrated marketing approach and cooperation
framework to change travel behaviour**

7E: Encourage behavioral change

Enthuse Encourage Engage Experience Enable Exemplify Enlighten



Marketplace for Mobility



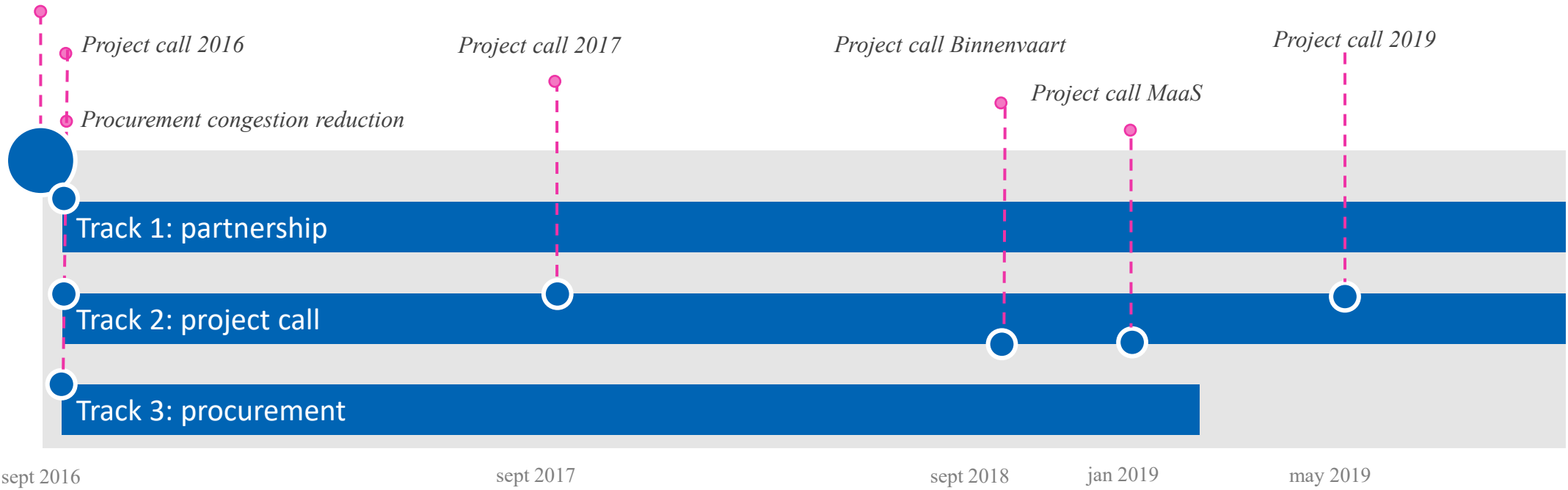
Goal: extend the mobility offering and bring services to the various user groups.

- Track 1: Partnership
 - For existing mobility solution with a high quality of service.
- Track 2: Project calls
 - Various forms of support for high quality solutions for person mobility & logistics in the region of Antwerp.
- Track 3: “spitsmijden” through European procurement
 - Not applicable anymore
- Track 4: Incentives & trial offers
 - Offering various incentives and trials offers to all the target groups.

Marketplace for Mobility: timeline



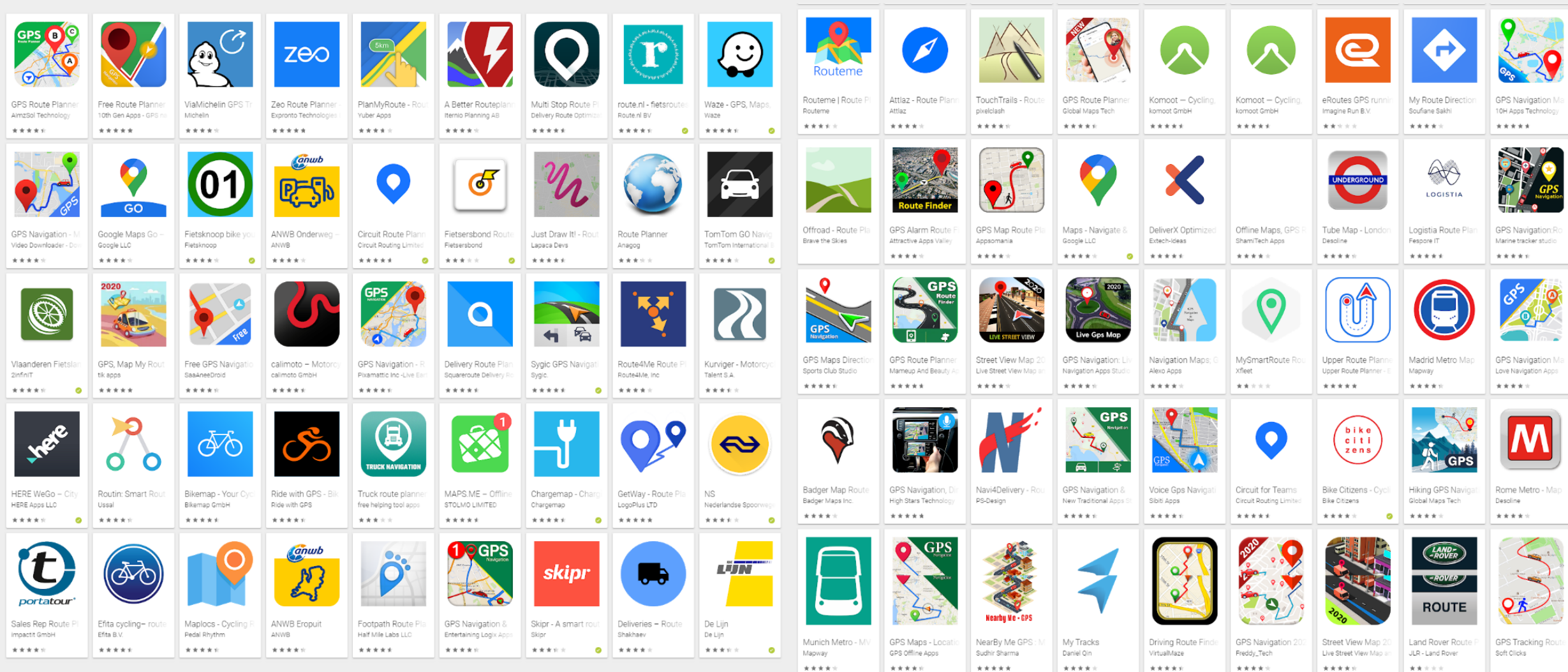
Launch Marketplace for Mobility

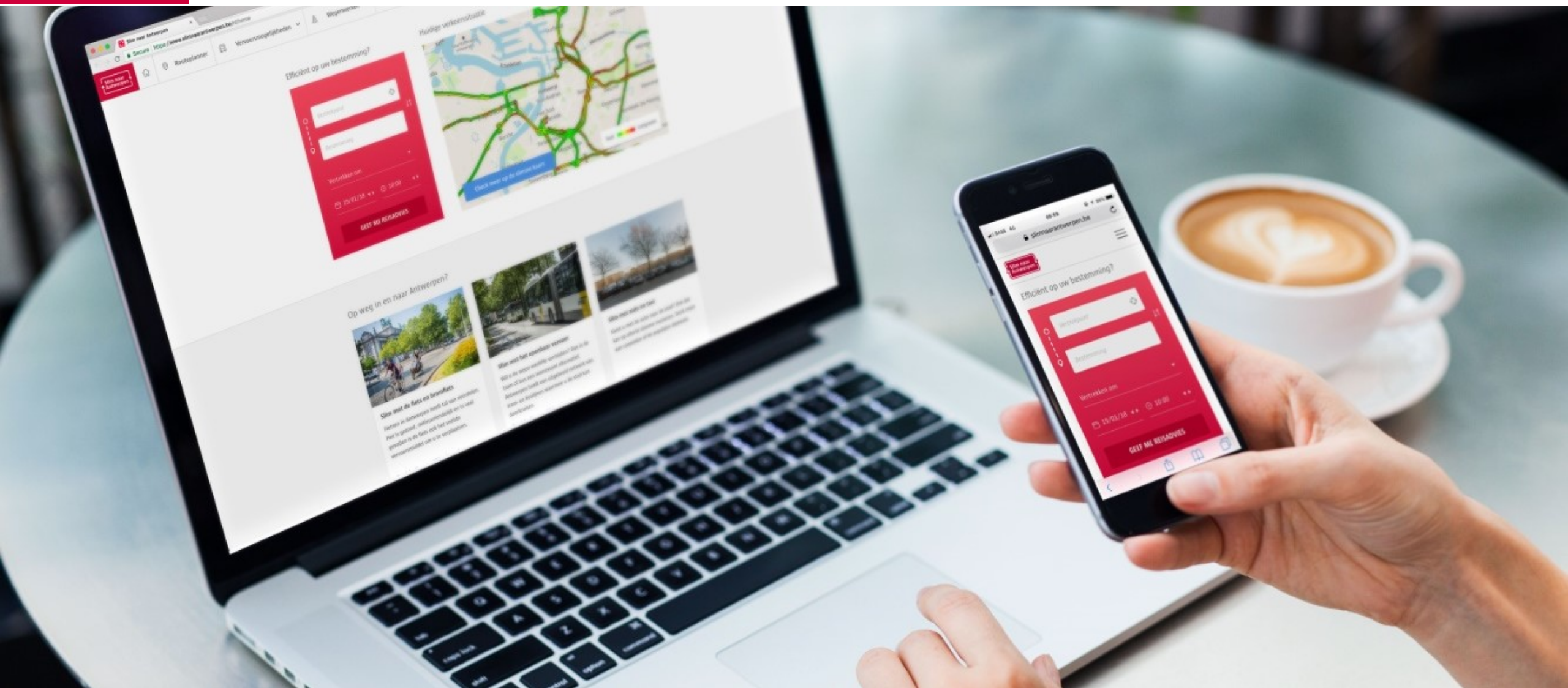


Route planner & Mobility map



Why another route planner?





Zwemdoklei 71, Brasschaat, 2930

Den Bell

Leave now

Transport options

GIVE ME TRAVEL ADVICE

Earlier

Later

1,3km

2,2km

17:50 → 18:22

SMARTEST ROUTE

32 min

12,2km

17:28 → 18:09

CHEAPEST ROUTE

41 min

1,3km

570m

17:50 → 18:31

41 min

1,3km

570m

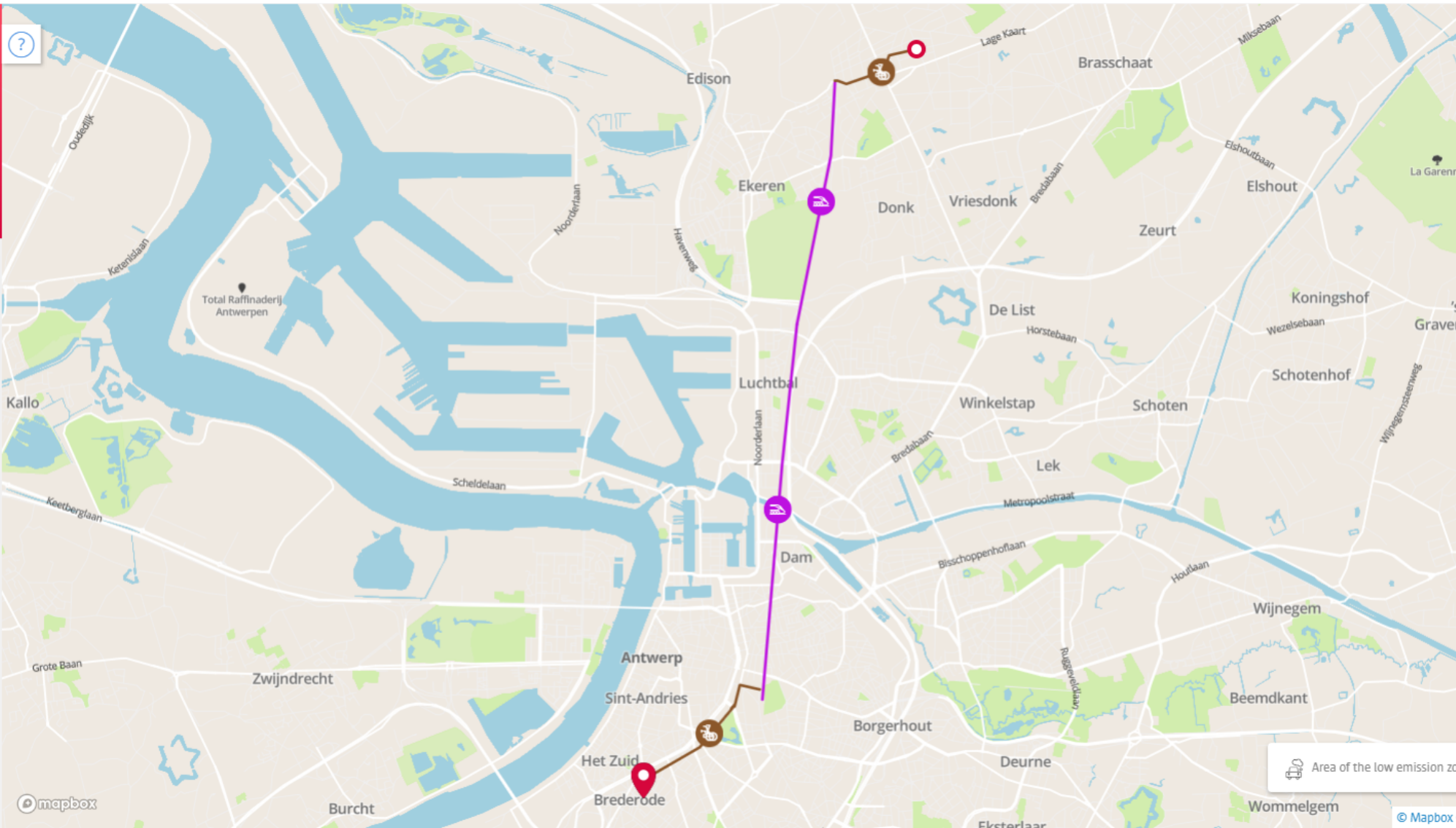
17:39 → 18:31

52 min

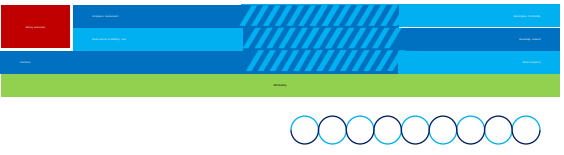
2,2km

17:30 → 18:03

33 min



Multimodal trips



Zwemdoklei 71, Brasschaat, 2930

Den Bell

Leave now

Transport options

GIVE ME TRAVEL ADVICE

17:30 → 18:0333 min

5,5km

17:28 → 18:0840 min

600m

730

1

17:44 → 18:3955 min

2,2km

17:49 → 18:2234 min

414m

970m

17:30 → 18:1444 min

11,9km

17:28 → 20:022 hr(s) 34 min

MOST ACTIVE ROUTE

Car + Train + Tram + Shared bike

THE CIVITAS INITIATIVE IS CO-FINANCED BY
THE EUROPEAN UNION

Van: Zwemdoklei 71, Brasschaat, 2930 Antwerp...
Naar: Den Bell

1,3km 570m

1 876m

17:50 → 18:40 50 min

17:50 Zwemdoklei 71, Brasschaat, 2930 Antwerp...
5 min- 1,3km
Route Instructions

17:55 Sint-Mariaburg

17:56 Sint-Mariaburg
S322588
Puurs
6 min- 3,3km
Intermediate stops

18:02 Anvers-Noorderdokken / Antwerpen-No...
S322588
Puurs

18:02 Anvers-Noorderdokken / Antwerpen-No...
S322588
Puurs

Ticket info

Close x

Ticket info

Train

Sint-Mariaburg - Anvers-Central /
Antwerpen-Centraal

Order ticket

Tram, Bus

1 Antwerpen Opera - Antwerpen
Bolivarplaats

Ticket info

1 ticket(s) required for this ride.

Shared bike

Velo stations Day pass

Day pass

Combine modes

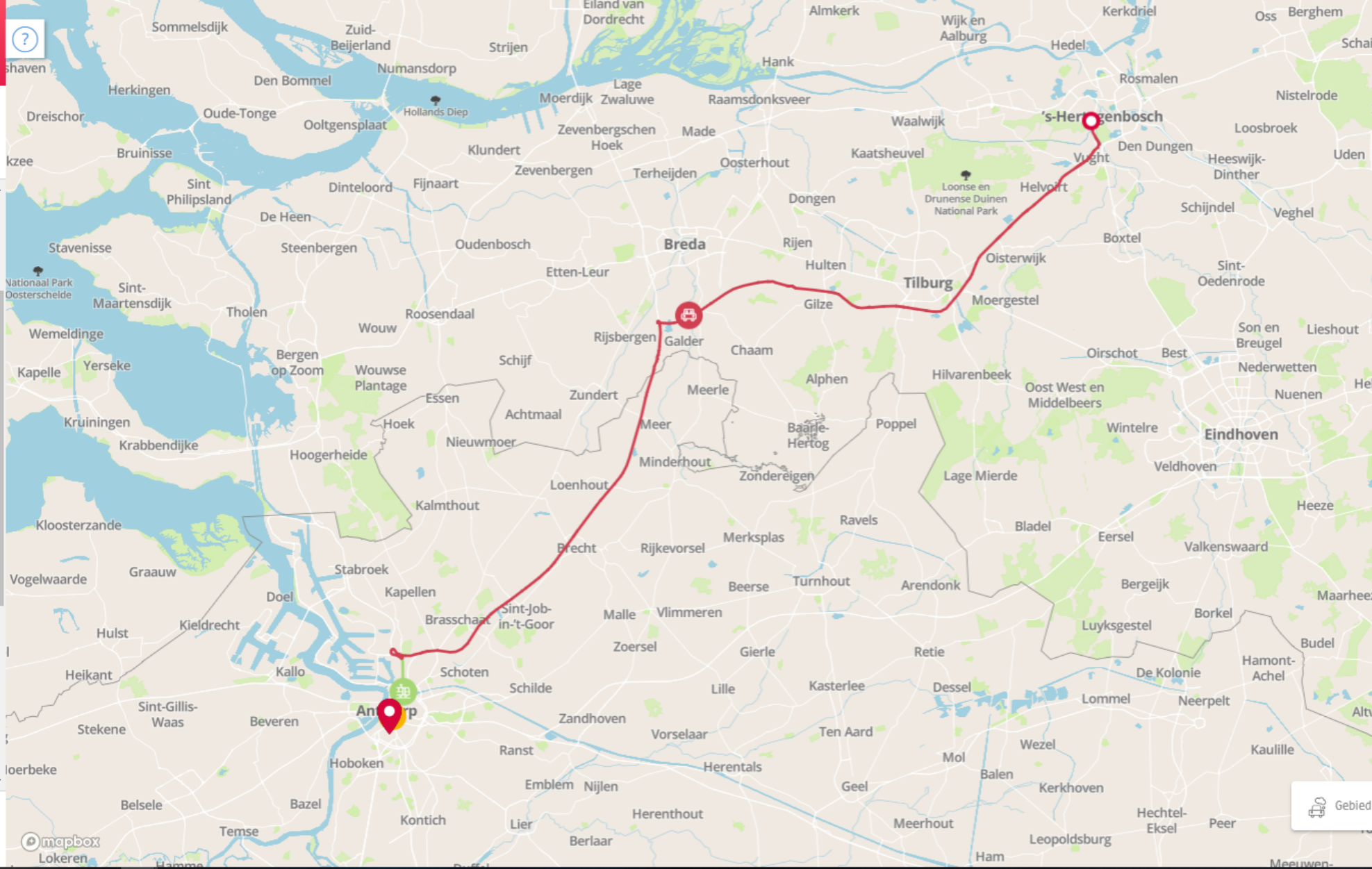


← Van: Hofvijver 4, 5223 MC 's-Hertogenbosch, Ne...
Naar: Vlemincveld, Antwerpen, 2000 Antwerpe...

15:50 → 17:39
1 u 48 min

- 17:04 Park&Ride Luchtbal
1 min- 88m
Route Instructies
- 17:05 Antwerpen P+R Luchtbal
- 17:05 Antwerpen P+R Luchtbal
1 P+R Luchtbal - Zuid
23 min
Tussenstops
- 17:28 Antwerpen Nationale Bank
- 17:28 Antwerpen Nationale Bank
2 min- 118m
Route Instructies
- 17:30 Nationale Bank
- 17:31 Nationale Bank

Ticket informatie



Multimodal BeNeLux



Search: Hofvijver 4, 5223 MC 's-Hertogenbosch

Search: K Zeppos, Vleminckveld

Leave now

Transport options

GIVE ME TRAVEL ADVICE

Earlier Later

451m 8

1,7km

17:44 → 19:26 | SMARTEST ROUTE 1 hr(s) 42 min>

1,3km 1,6km

17:54 → 19:37 1 hr(s) 43 min>

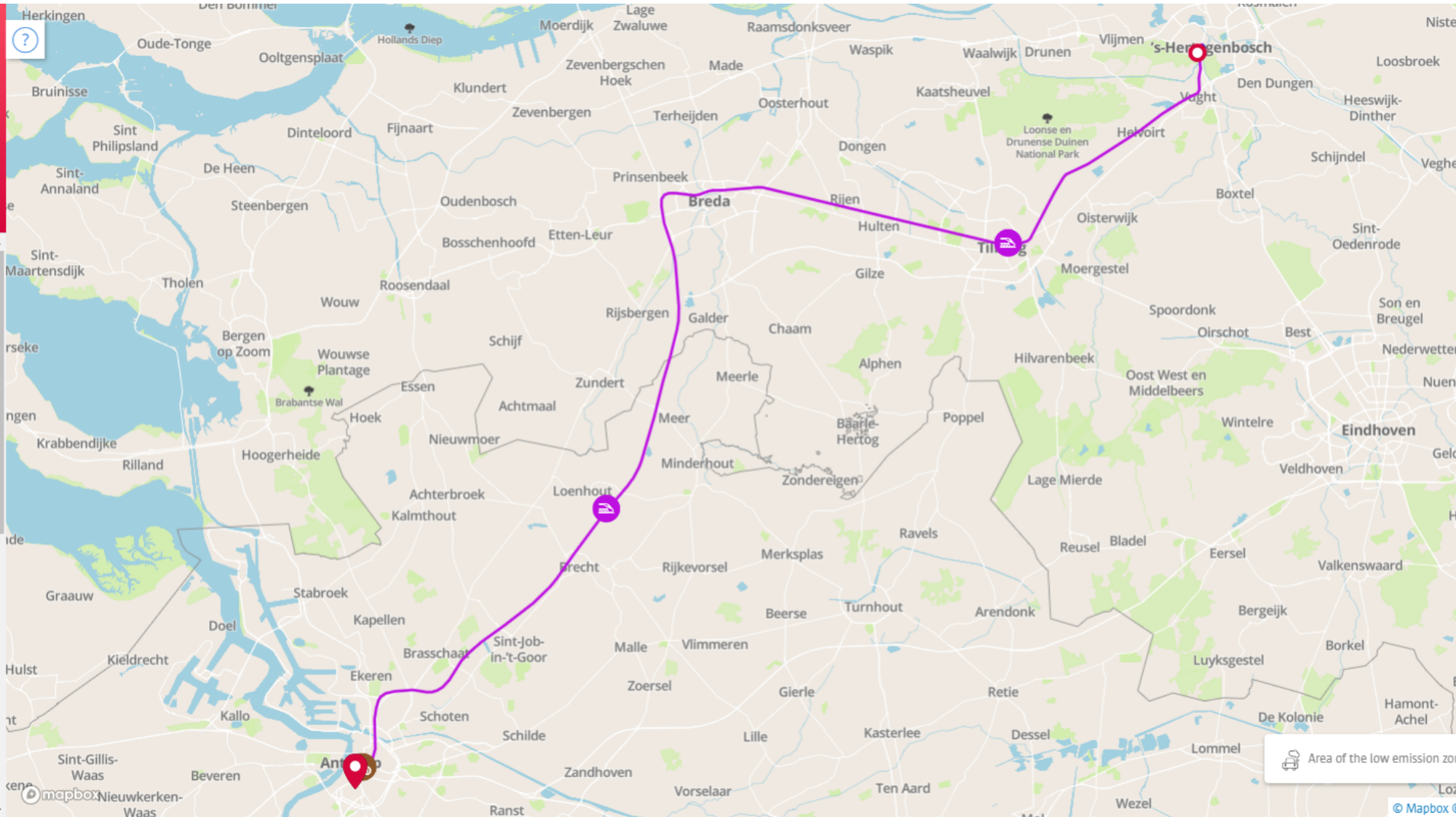
1,8km 319m 1,6km

18:00 → 20:37 2 hr(s) 37 min>

1,6km

17:47 → 19:37 1 hr(s) 50 min>

1,6km 1,6km



Creating an account

Enter your information below

First name

Name

E-mail *

Password *

Confirm password *

☐ I agree with the [Privacy policy](#)



User information






Mobility preferences

Devices






Hello, John!

Choose your favourite means of transport and get advice
tailored to your needs from our route planner.

Private transport

- | | | | |
|--|-------------------------------------|--|-------------------------------------|
|  Car | <input type="checkbox"/> |  Walking | <input checked="" type="checkbox"/> |
|  Bike | <input checked="" type="checkbox"/> |  Folding bike | <input checked="" type="checkbox"/> |
|  E-bike | <input checked="" type="checkbox"/> | | |

Public transport

- | | | | |
|--|-------------------------------------|--|-------------------------------------|
|  Share bike | <input checked="" type="checkbox"/> |  Bus | <input checked="" type="checkbox"/> |
|  Tram | <input checked="" type="checkbox"/> |  Water mobility | <input checked="" type="checkbox"/> |
|  Train | <input checked="" type="checkbox"/> | | |

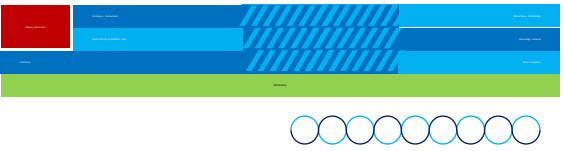
Proceed

Skip

Edit

Edit

Around me



Nearby

Search: Den Bell

Walking distance 5 minutes

- Transport methods**
- Tram
 - Bus**
 - Car
 - Taxi
 - Water mobility
 - Bike
 - Train
 - Walking

- Shared mobility**
- Bike**
 - Scooters**
 - Moped**
 - Car

- Zones**
- Low emission zone
 - Parking zones

- Traffic**
- Roadworks
 - Traffic situation



Diagram illustrating the structure of a 3D block copolymer. The structure consists of a red block (polymer A) and a blue block (polymer B) connected by a hatched interface. The blocks are embedded in a green matrix. Below the diagram is a row of 10 circles, each containing a number from 1 to 10.

←

Antwerpen Bres

×

14

Hemiksem - Hoboken - Opera

5 min

📶

>

13

Polderstad - Hoboken - Opera

19 min

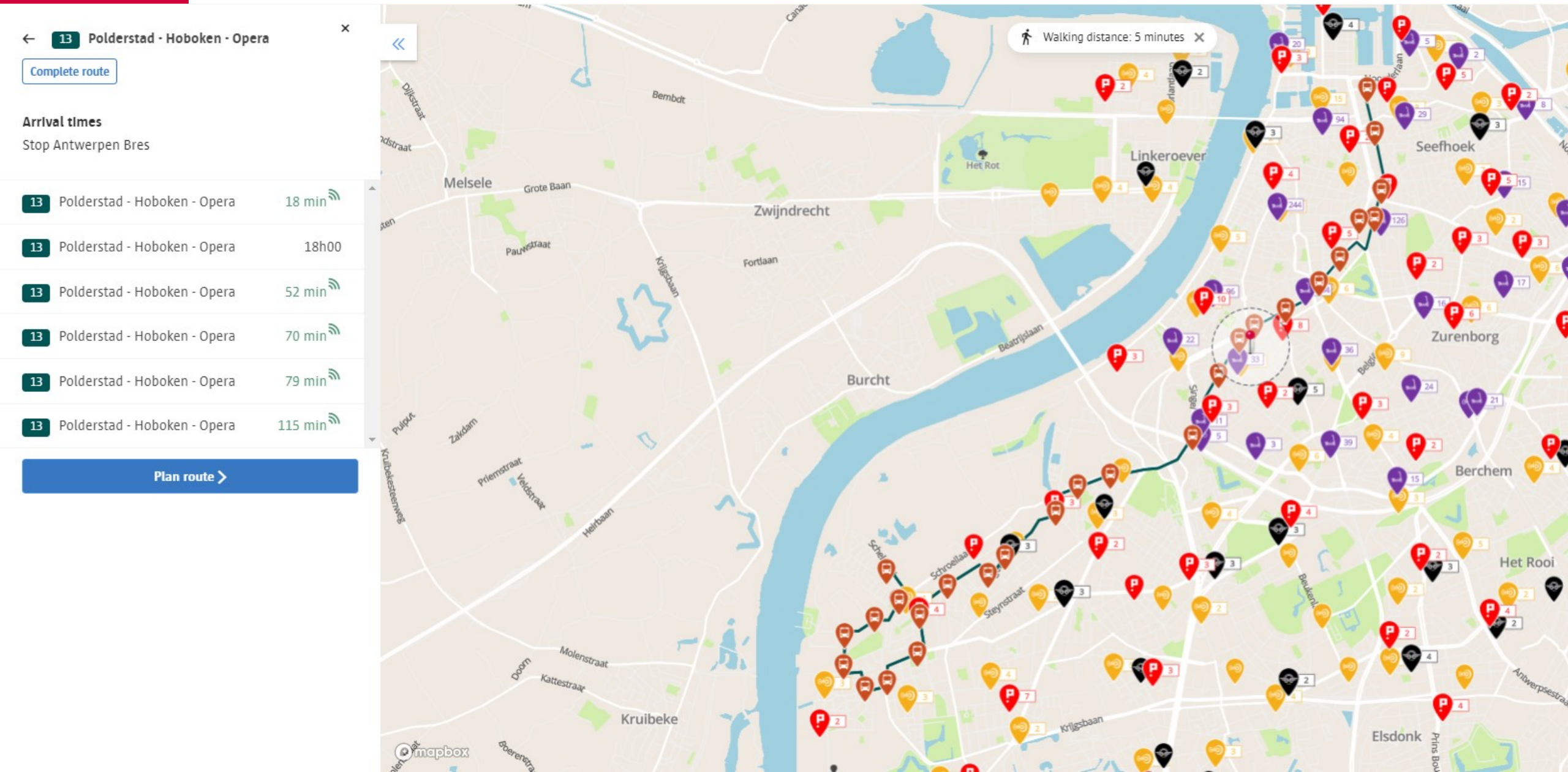
📶

>

Plan route >



Around me: realtime PT-data



Around me: shared mobility info

← Poppy moped



Download the Poppy app to book and pay for your scooter, moped, or car. You can use the Poppy vehicles in a designated zone in Antwerp.

How much does it cost?

Registration is free.

Scooter 1 euro + 0,20 euros/minute

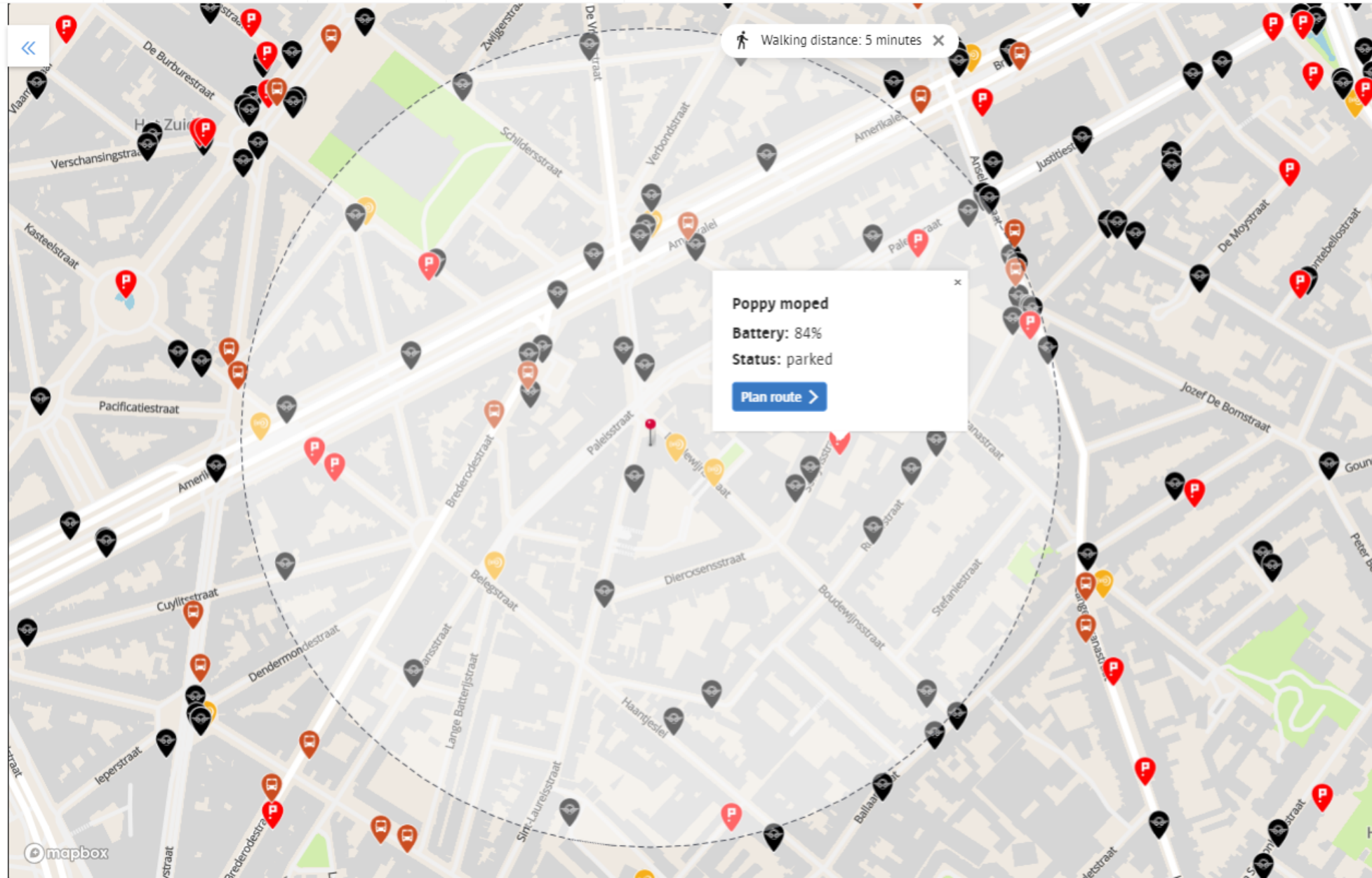
Moped 1 euro + 0,25 euros/minute

Car 1 euro + 0,33 euros/minute

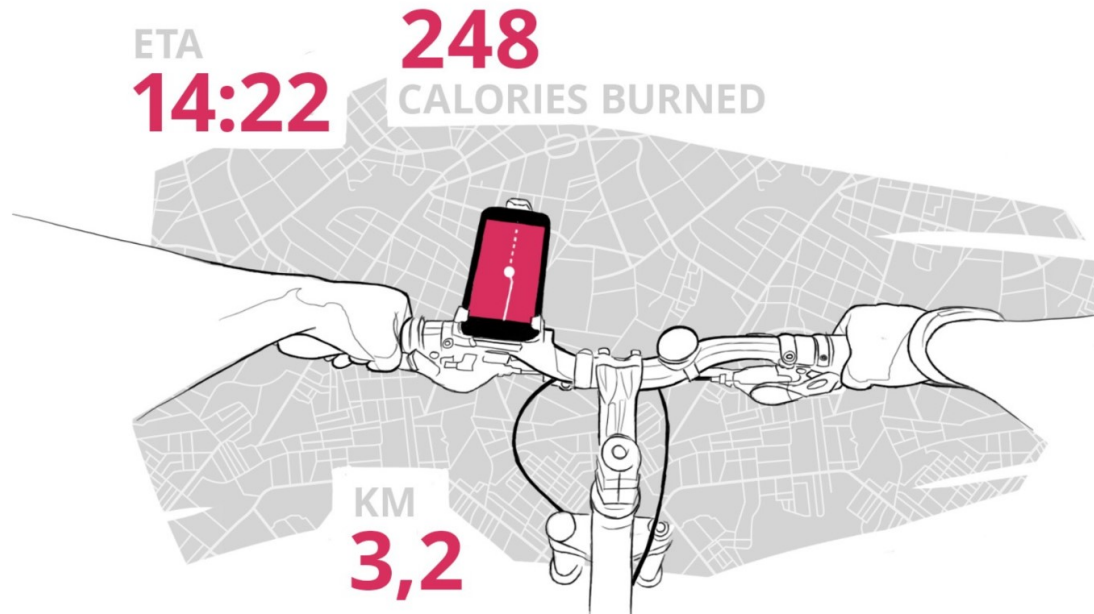
What are the conditions?

- You are 18 years or older.
- You have a credit card.
- You've had a final driving licence (moped and car) for longer than 24 months.

[More info >](#)



Some future developments

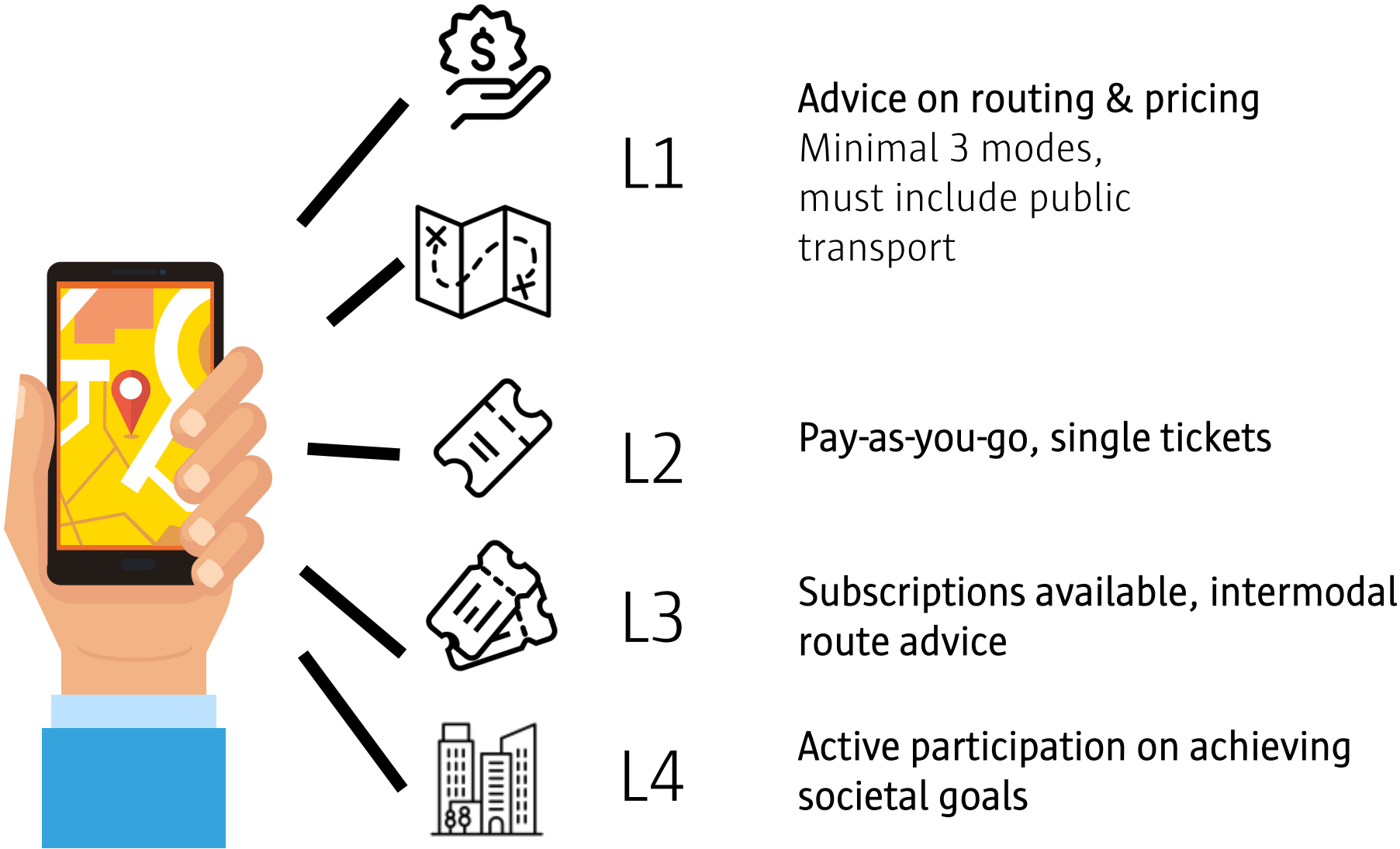




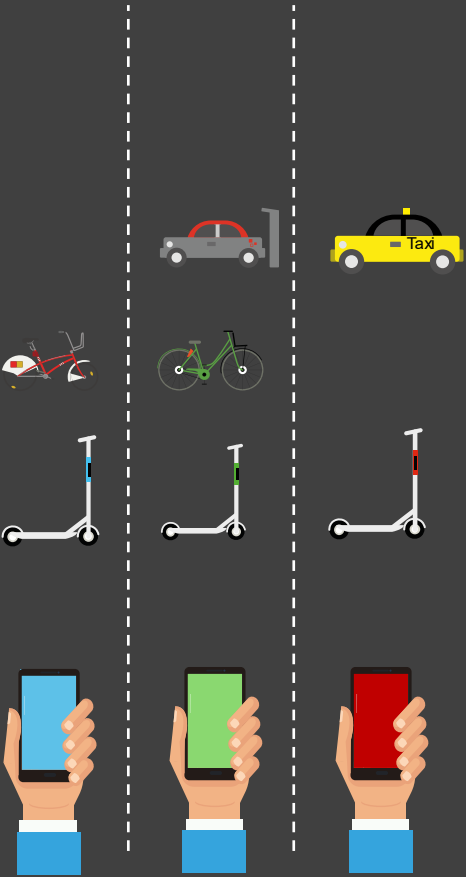
MaaS Ecosystem

An open ecosystem of mobility solutions

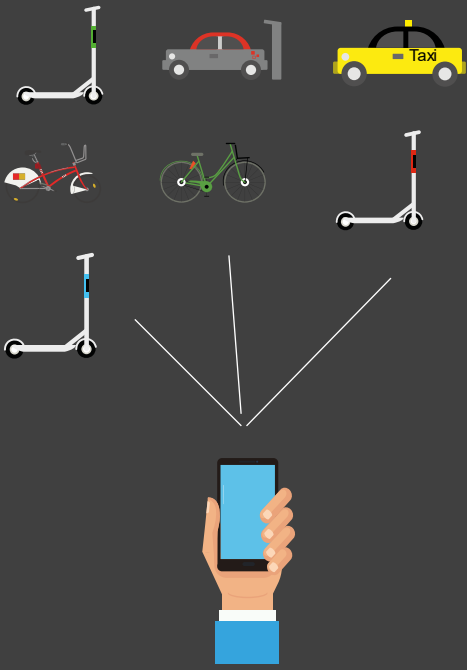
MaaS Levels



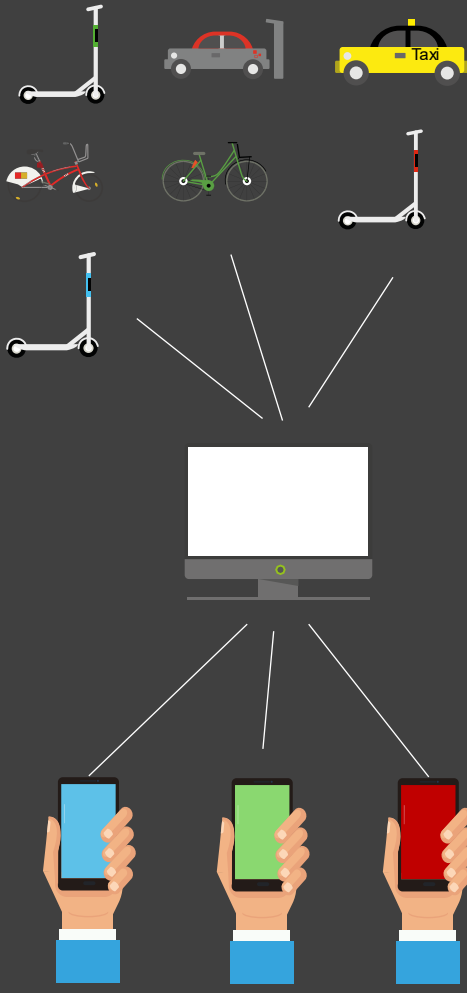
MaaS Models



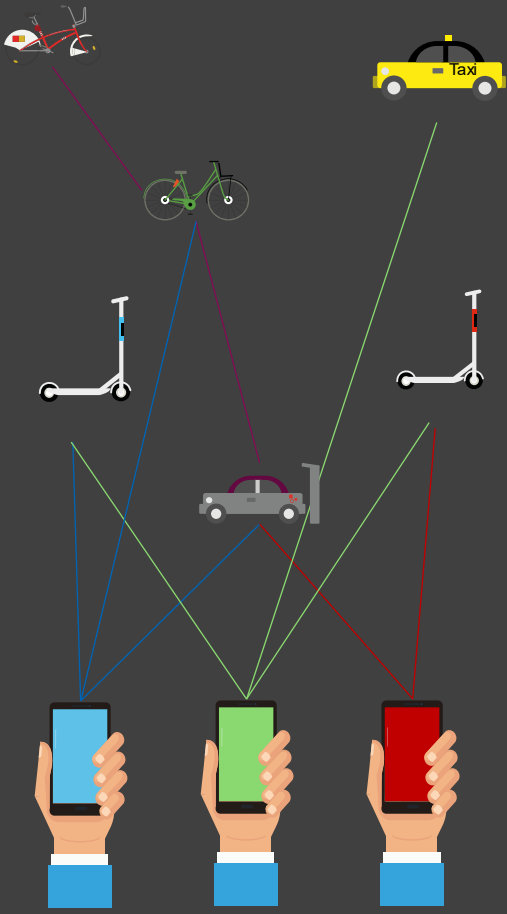
Walled Gardens



Winner takes it all

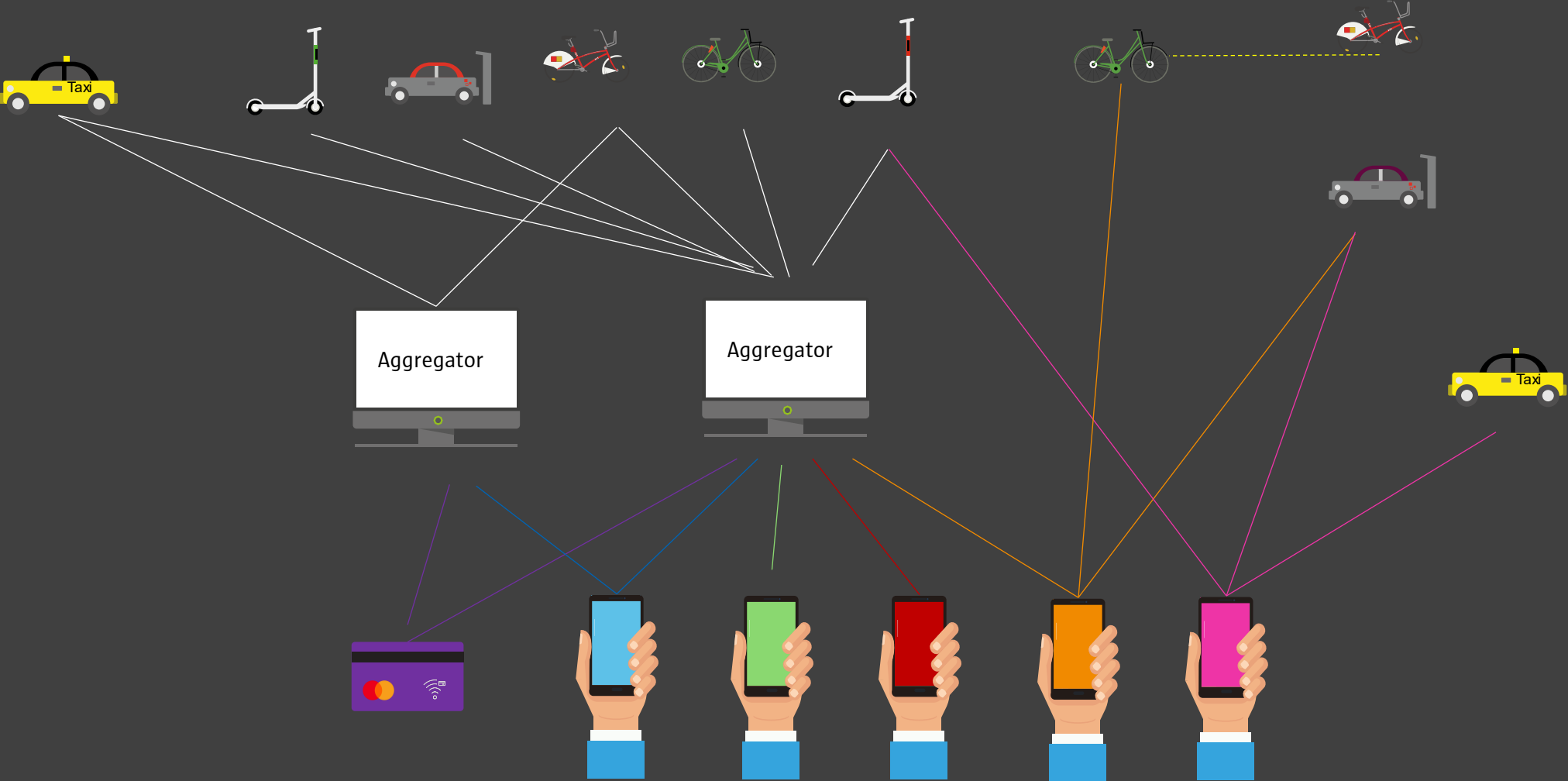


Centralised Backend



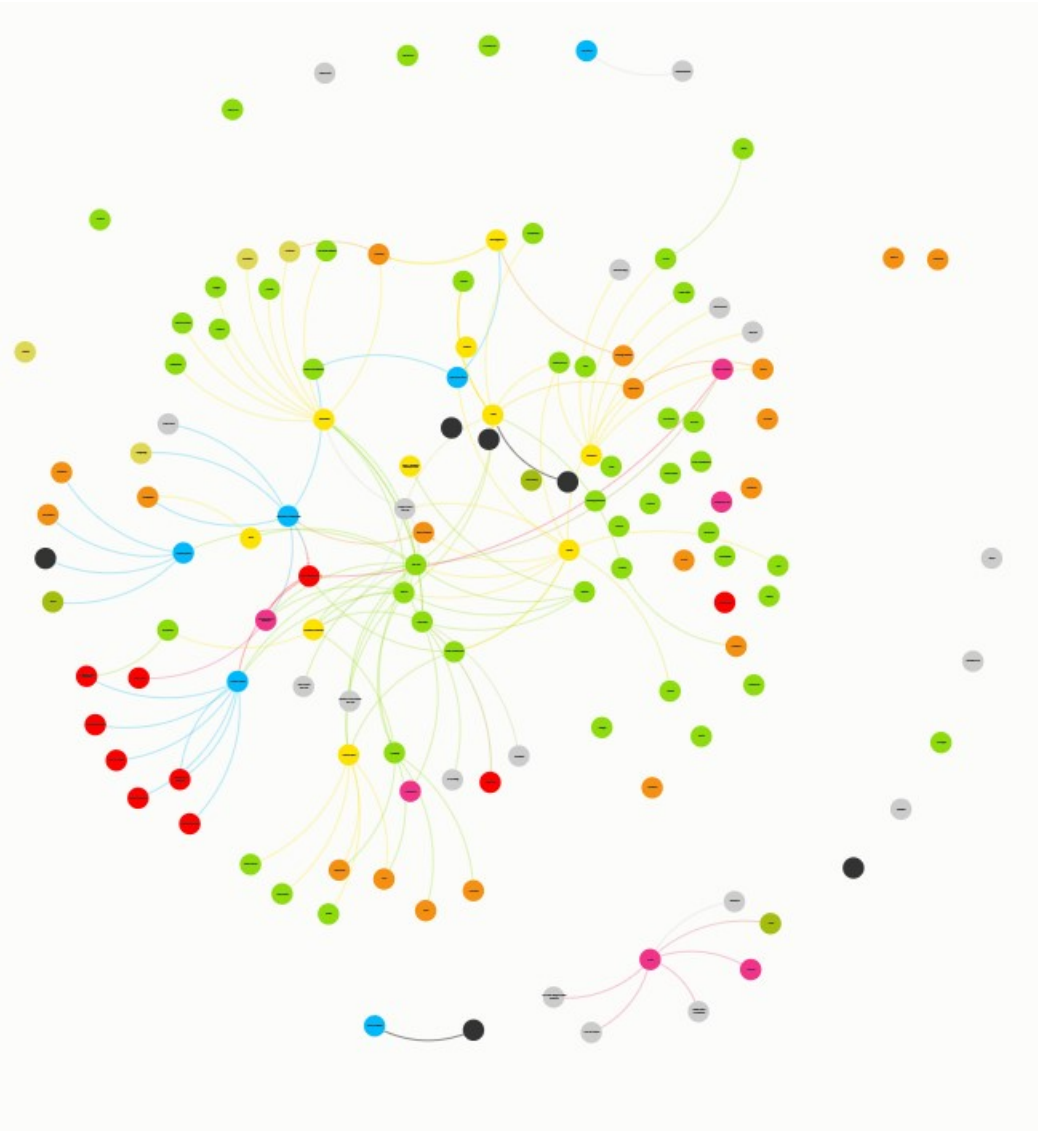
Roaming/Open Ecosystem

Most likely MaaS solution



Hybrid Model

MaaS ecosystem in Antwerp



Mobility providers

Modes

Cars
Bikes
eSteps
eScooters
Public transport

Systems

Free floating
Station based
Back-to-one
Many-to-many

Models

Business-to-Consumer
Government-to-Consumer
Peer-to-peer

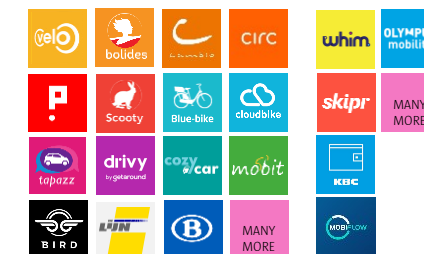
MaaS providers

Payment

Pay-as-you-go
Subscription
Pre-paid
Mobility budget

Models

B2C
B2B
B2B2C
B2B2Employee



Cocreation with all stakeholders



Shared Principles



(Shared)
Mobility
Charter



Quality
framework



Clear transaction
model

Shared Conditions

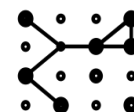


Clear & uniform
licences

Shared Structure



APIs, services and
interfaces



Linked data &
standardisation



Data exchange



Interoperability

(Shared) mobility license framework



License constraints

Max # Providers

Max. # Vehicles

Location constraints

drop-off zones

operational zones

no-go zones

Concentration zones

Term of license

Average usage

Action plan

Cost/Reward

For a license

Per vehicle

Per trip



Operational demands

Quality towards users

Service desk

Web/app

Insurance

GDPR

Multilingual

No ads on vehicles

Quality of Vehicles

Replacement

Maintenance

Compliance to traffic regulations

Quality of operations

No hindrance

Spread

Continuity of offer



Data exchange

MaaS integration

Integration offer

TicketingAPI

Usage/Trip data

Regular reports

Operational data

Product offer & Pricing

Contact information

Real-time availability



Societal criteria

Environmental impact

Financial viability

Corporate social responsibility

Ethical chart

Product quality

Safety

Equity



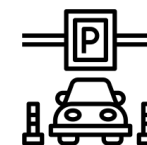
Car sharing



Moped sharing



Carpooling



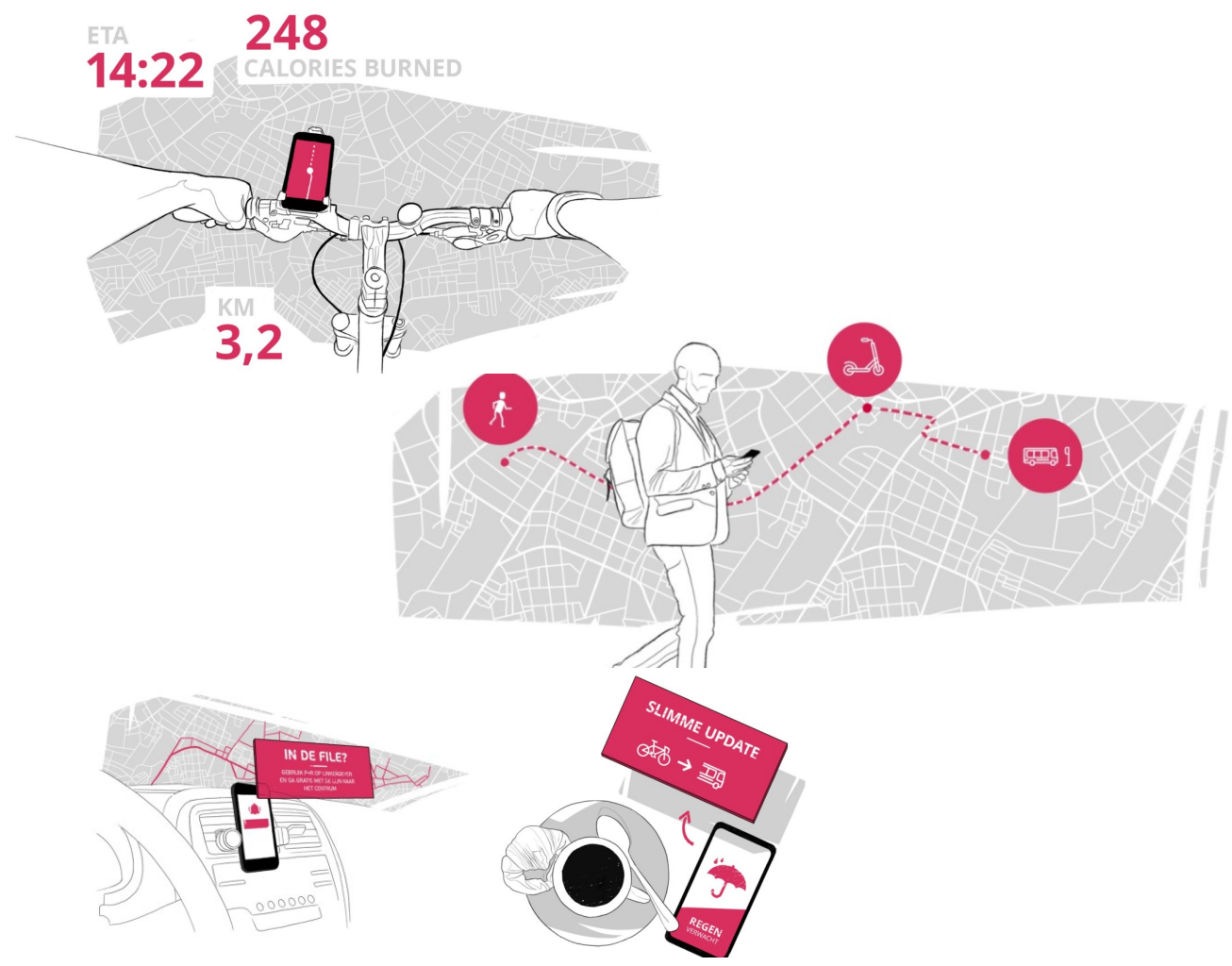
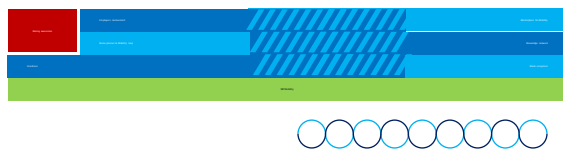
Off-street parking (2x)



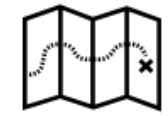
Mobility voucher

Back to Marketplace for Mobility

Future developments



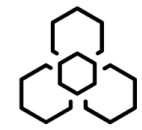
Incentives



Trip planner



Quality framework



NXTMobility



SnA-profile



Smart Ways to Antwerp

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info@slimnaarantwerpen.be

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Mobility Data & MaaS

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