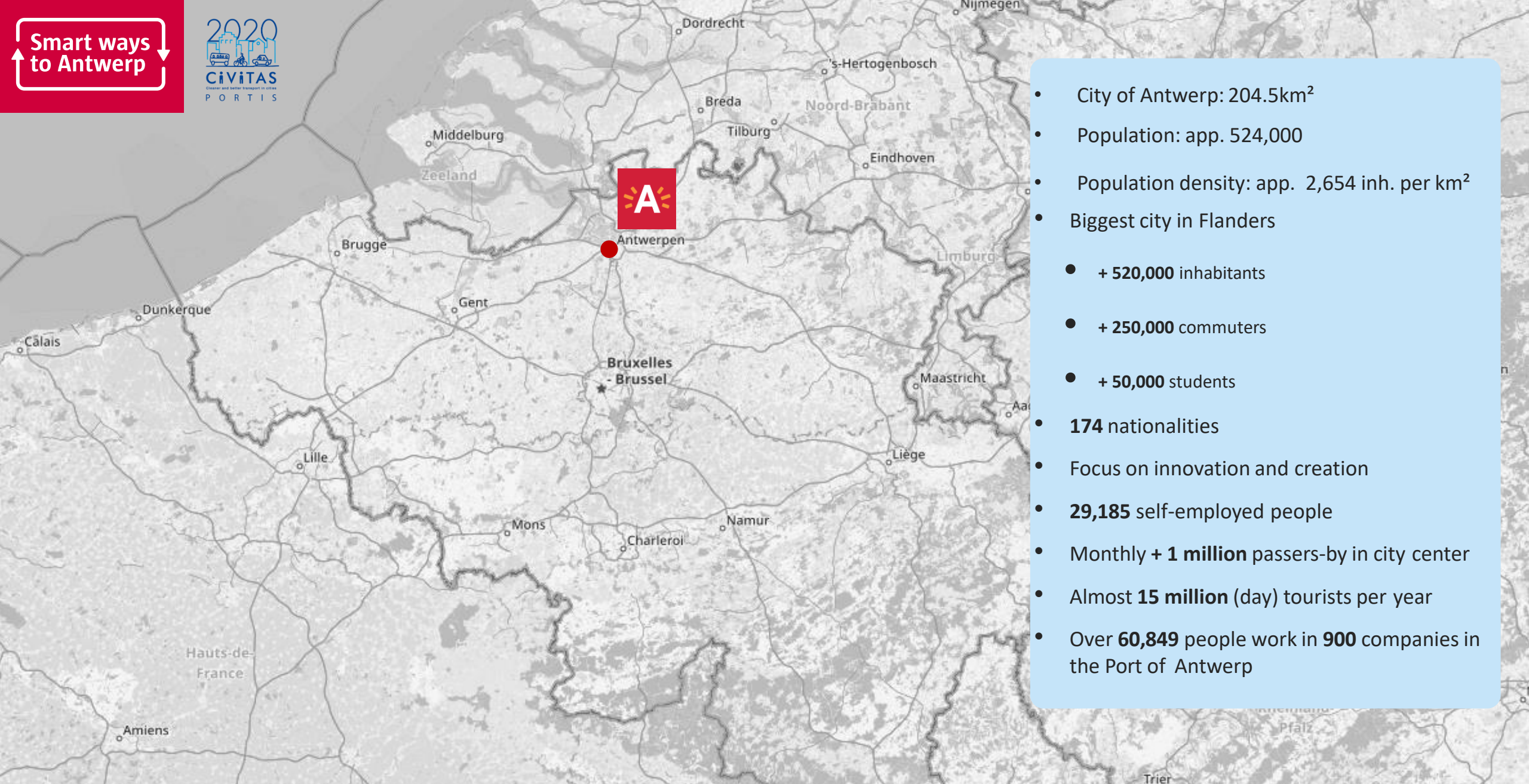


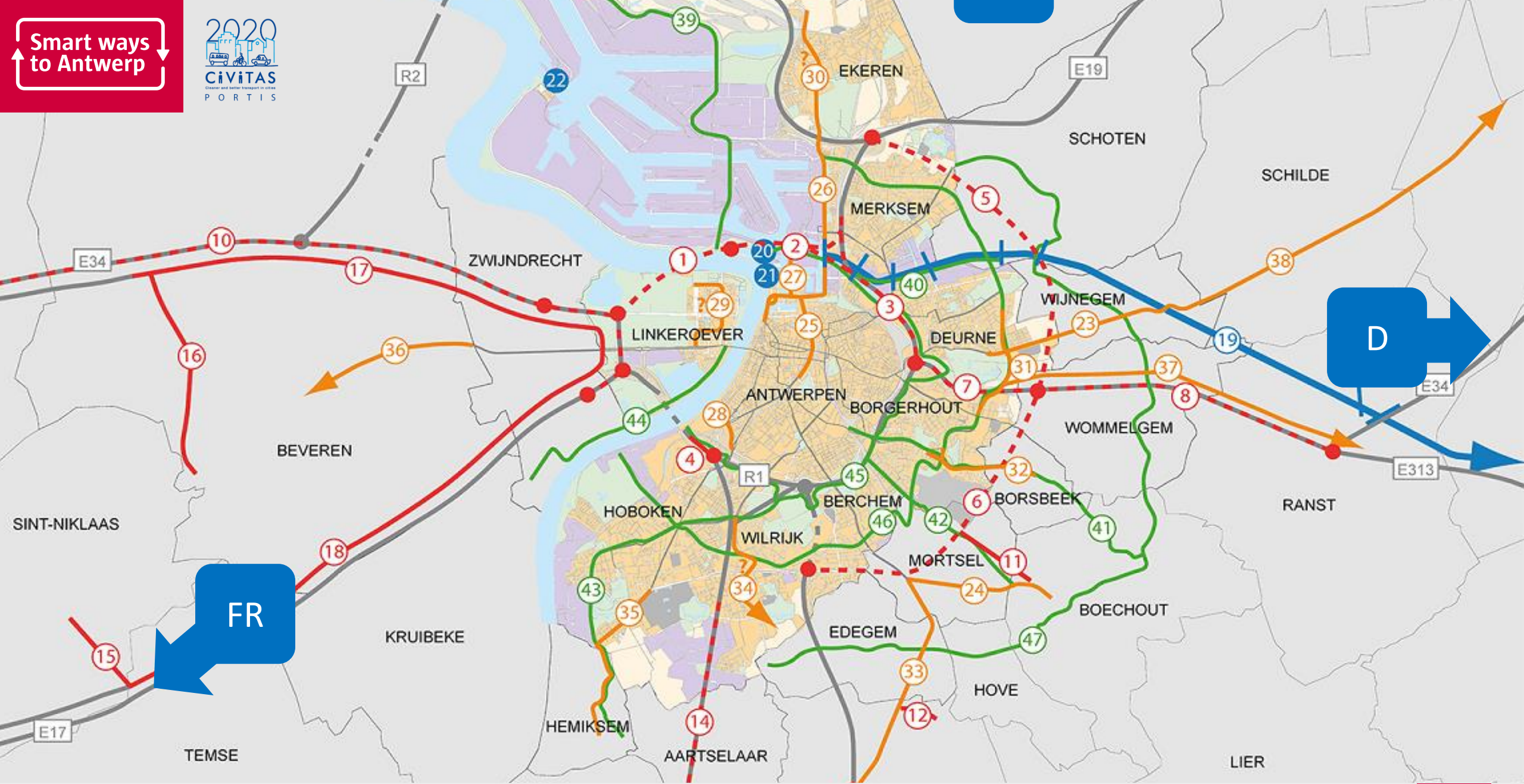
Smart Ways to Antwerp & NXTMobility

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

Smart ways
to Antwerp



Smart Ways to Antwerp & NXTMobility



Mind Modal Time Flex

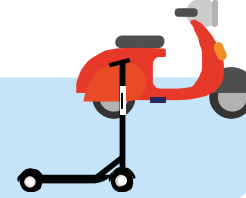
Shift



Put users central



Offer them options



Help them choose

Target & engage groups



Monitor and evaluate

Ambitions

View and control mobility
flows in the city

Travel in a sustainable and
smart way

Frontrunner in the field of
user-centric mobility



Layers

- Website & app
- Notification
- Mobility-as-a-Service
- Intermodal routeplanner
- Navigator
- Bike & Walk planner
- MyMobility profile

Users needs

Digital services

Mobility options

Infrastructure

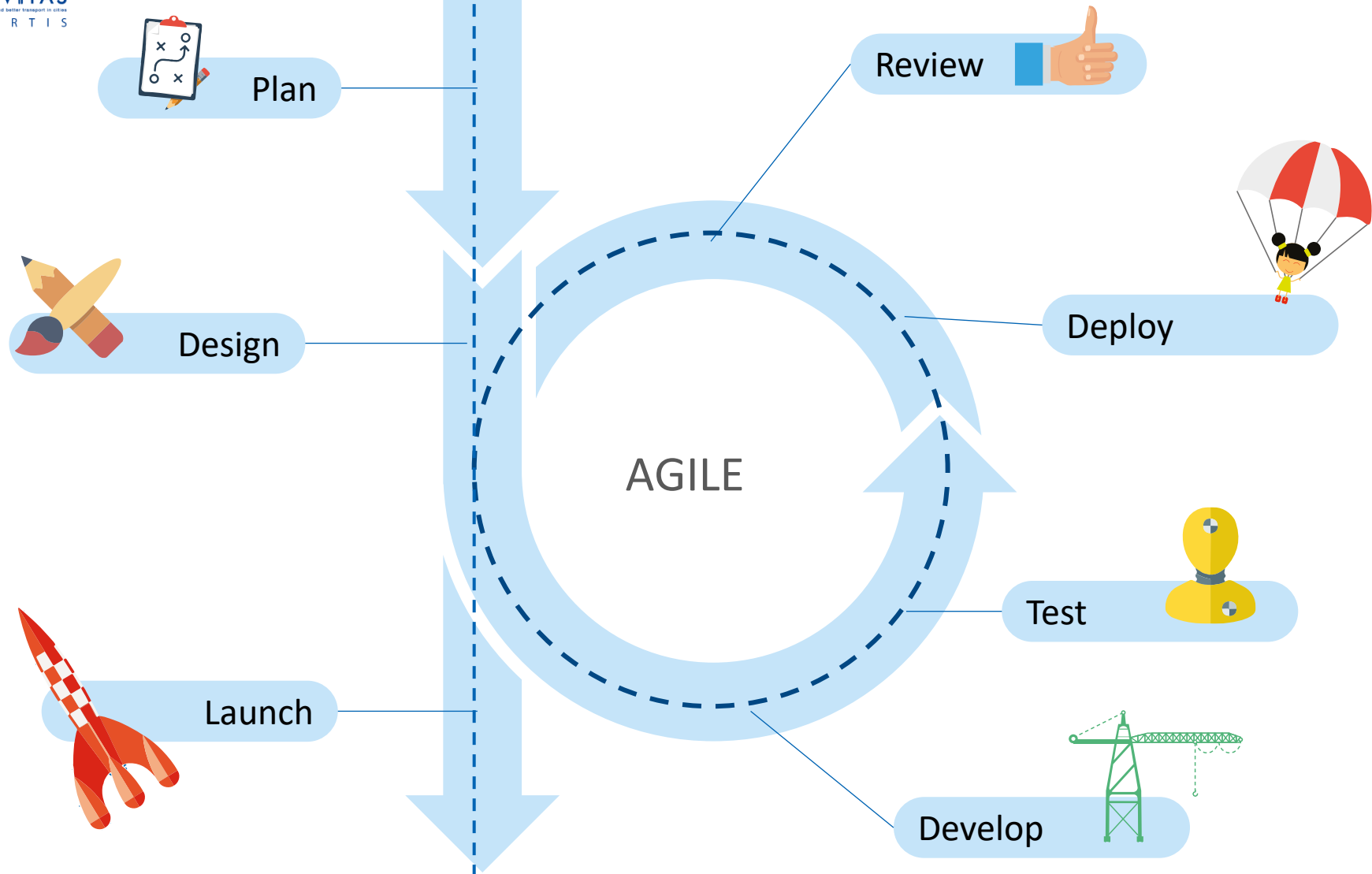
Network

- Operating license
- Requirement to integrate with MaaS
- Project calls
- Technical support
- Communication support
- Data collection
- Marketplace for Mobility

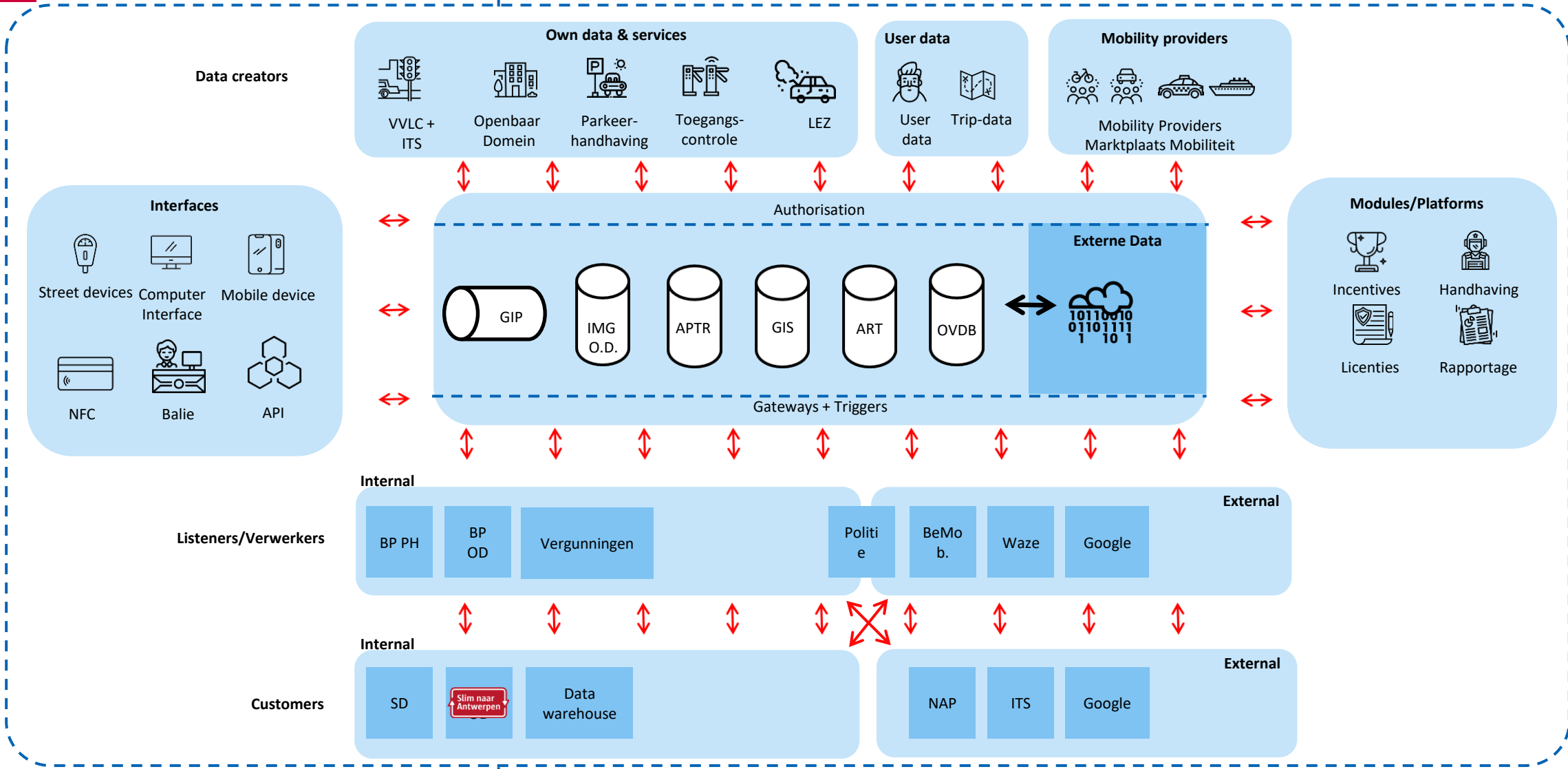
- Routing API
- Realtime data
- Marketplace for mobility
- Support for MaaS-players
- Standardization
- Data license agreement
- Service level agreement
- Clear procurement
- OSLO, TOMP,...

- Charging infrastructure
- Smart bicycle parking
- Parking data
- Edge computing
- Digitalisation transfer points
- Dynamic traffic lights
- ISA & speed regulation

- Smart cameras
- Mobility central
- Smart logistics

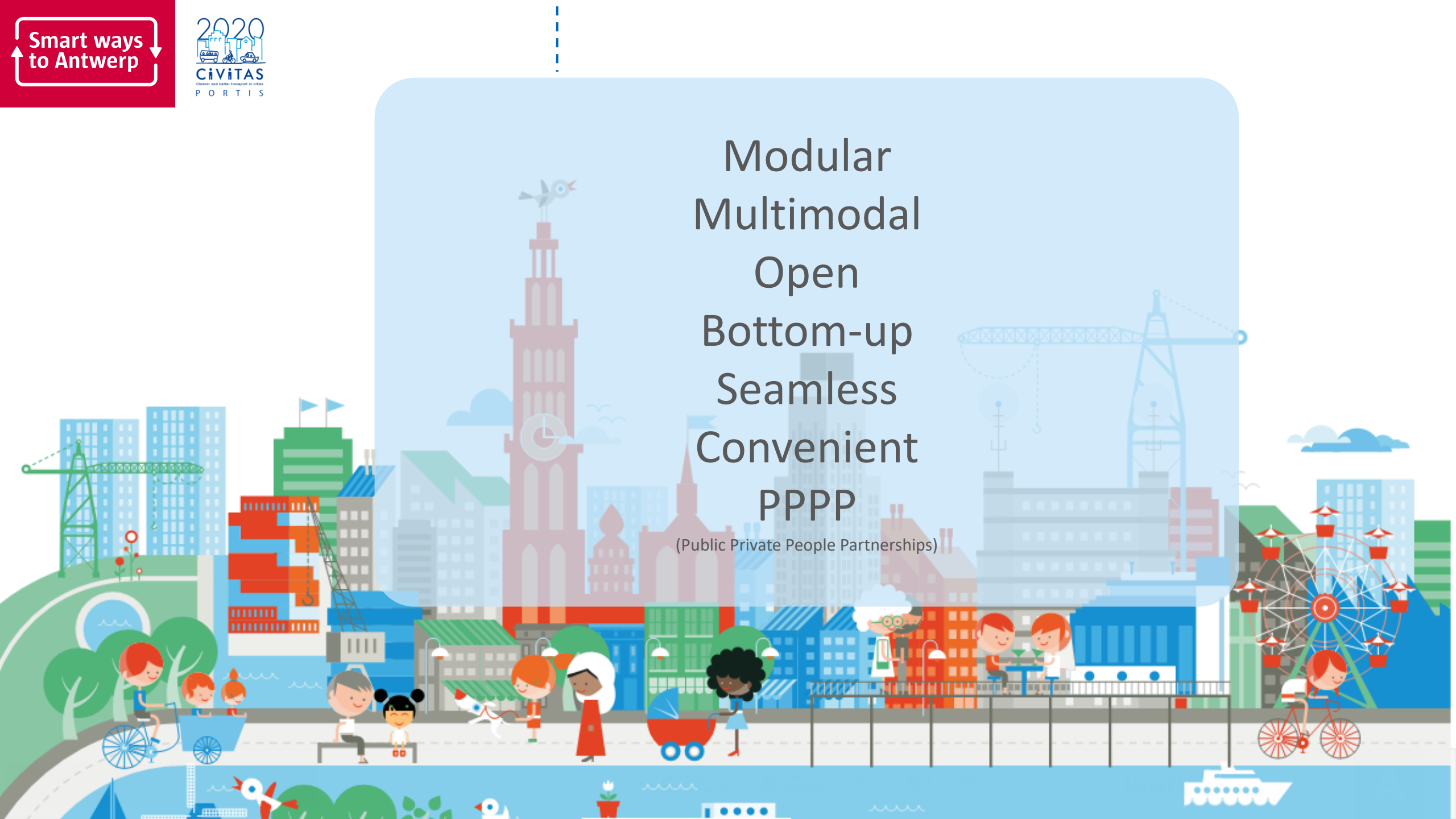


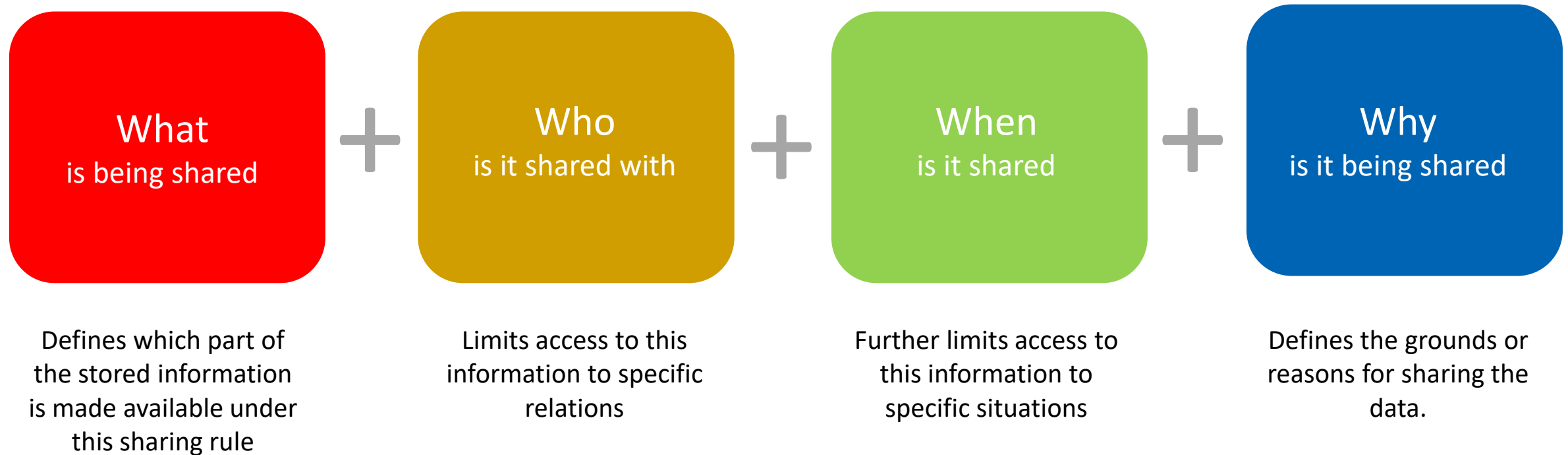
Concept



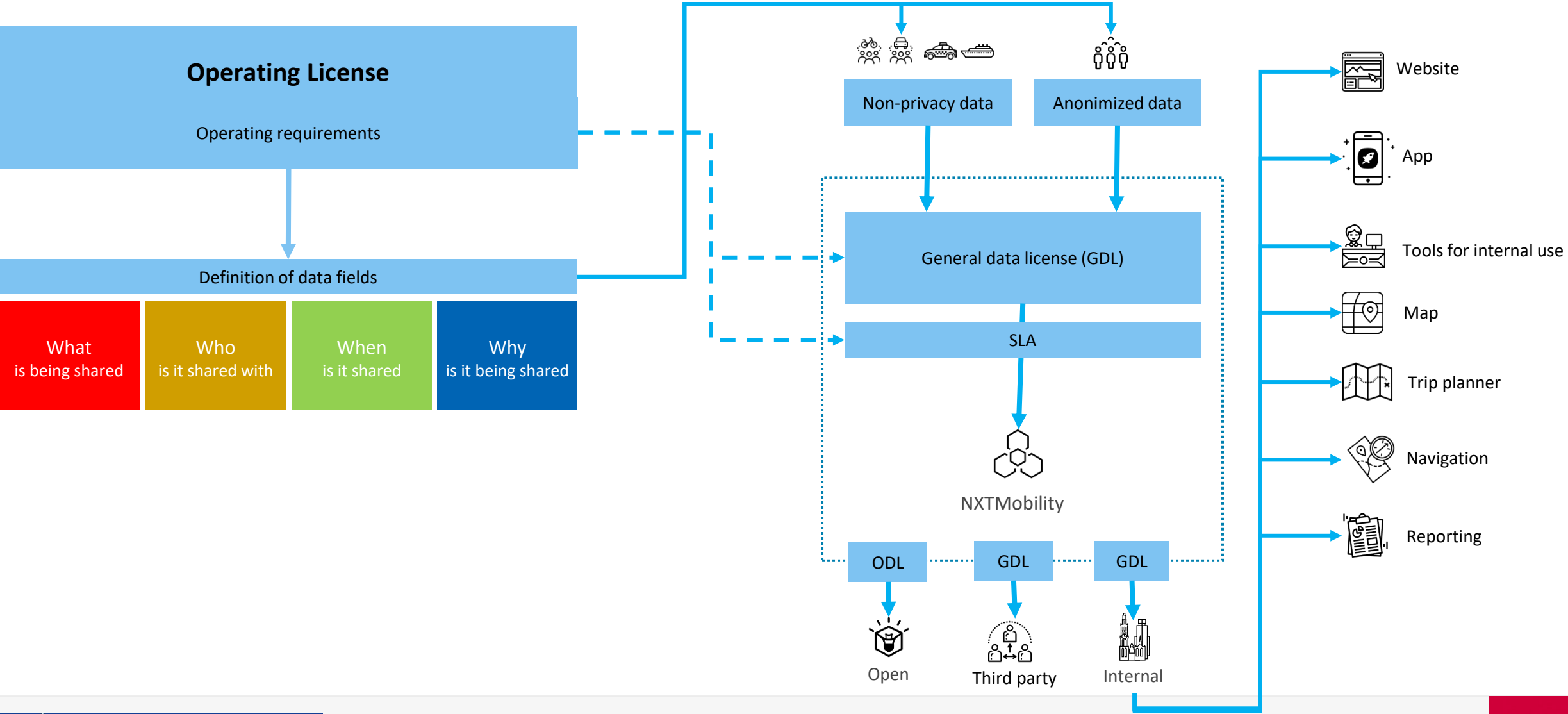
Modular Multimodal Open Bottom-up Seamless Convenient PPPP

(Public Private People Partnerships)





Getting the data...



Multimodal trips

Zwemdoklei 71, Brasschaat, 2930

Den Bell

Leave now

Travel options

GIVE ME TRAVEL ADVICE

17:30 → 18:03 33 min>

5,5km

17:28 → 18:08 40 min>

600m 730 1

17:44 → 18:39 55 min>

2,2km

17:49 → 18:22 34 min>

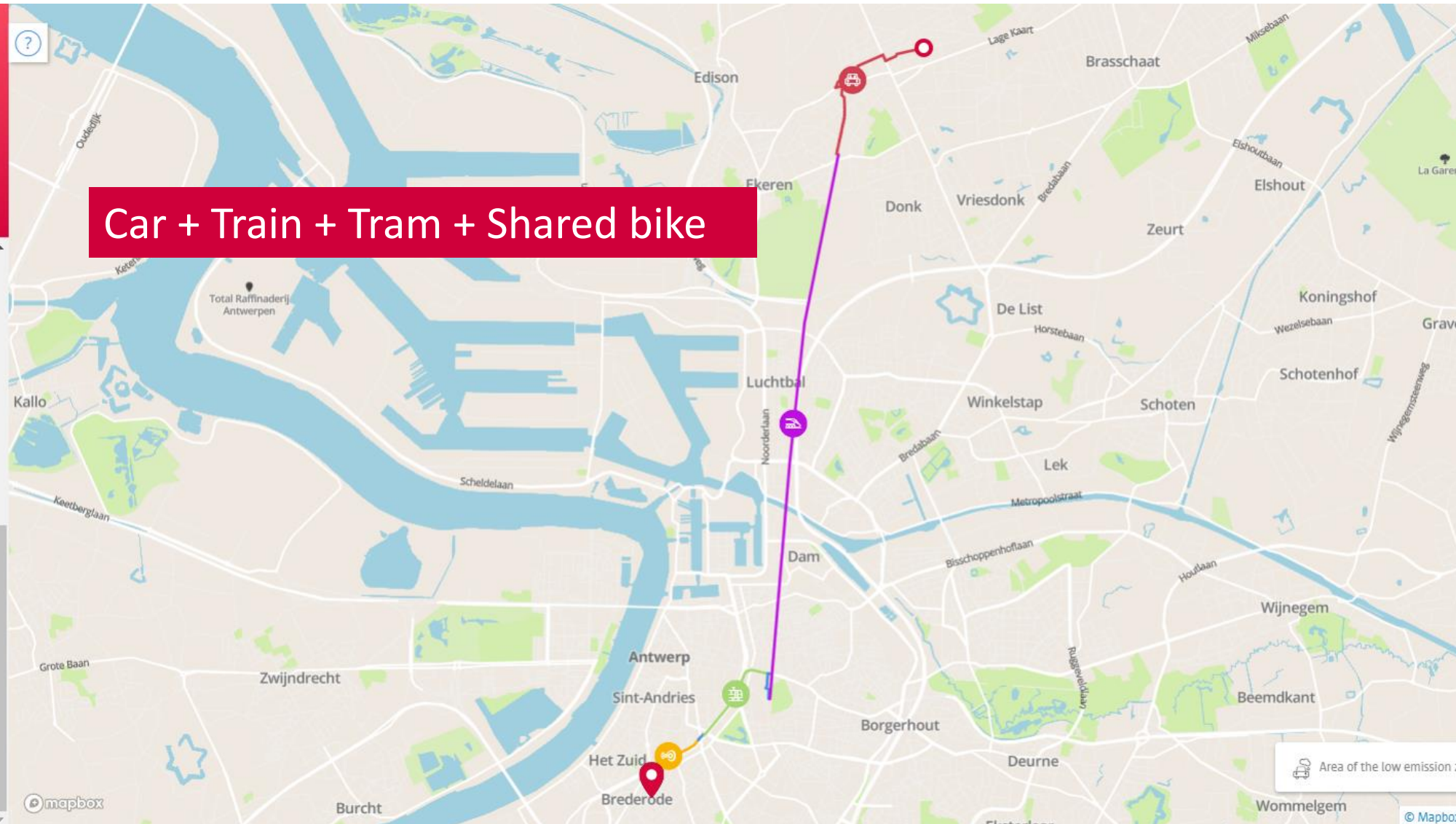
414m 10

970m

17:30 → 18:14 44 min>






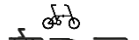






11,9km

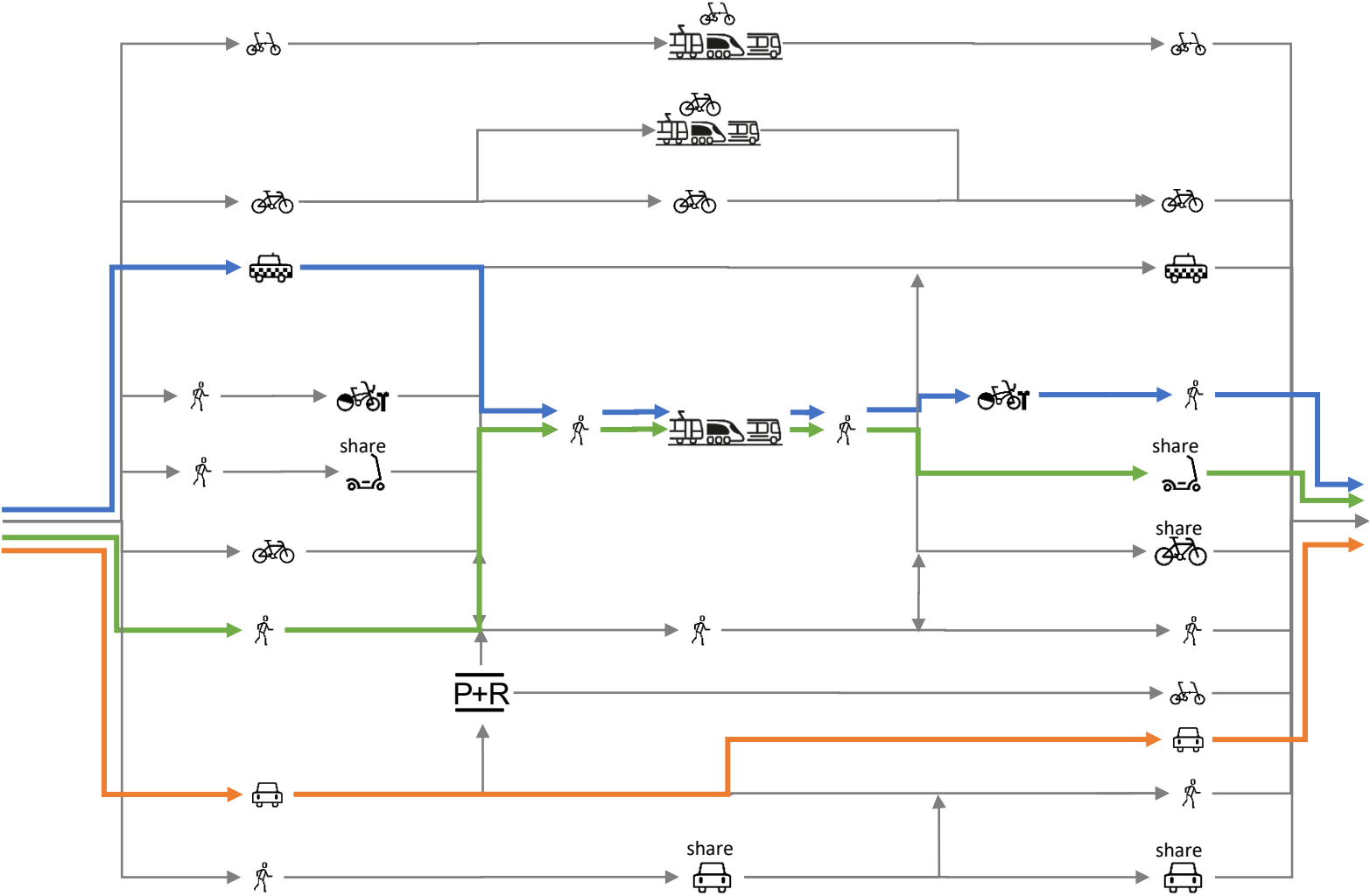
17:28 → 20:02 | MOST ACTIVE ROUTE 2 hr(s) 34 min>



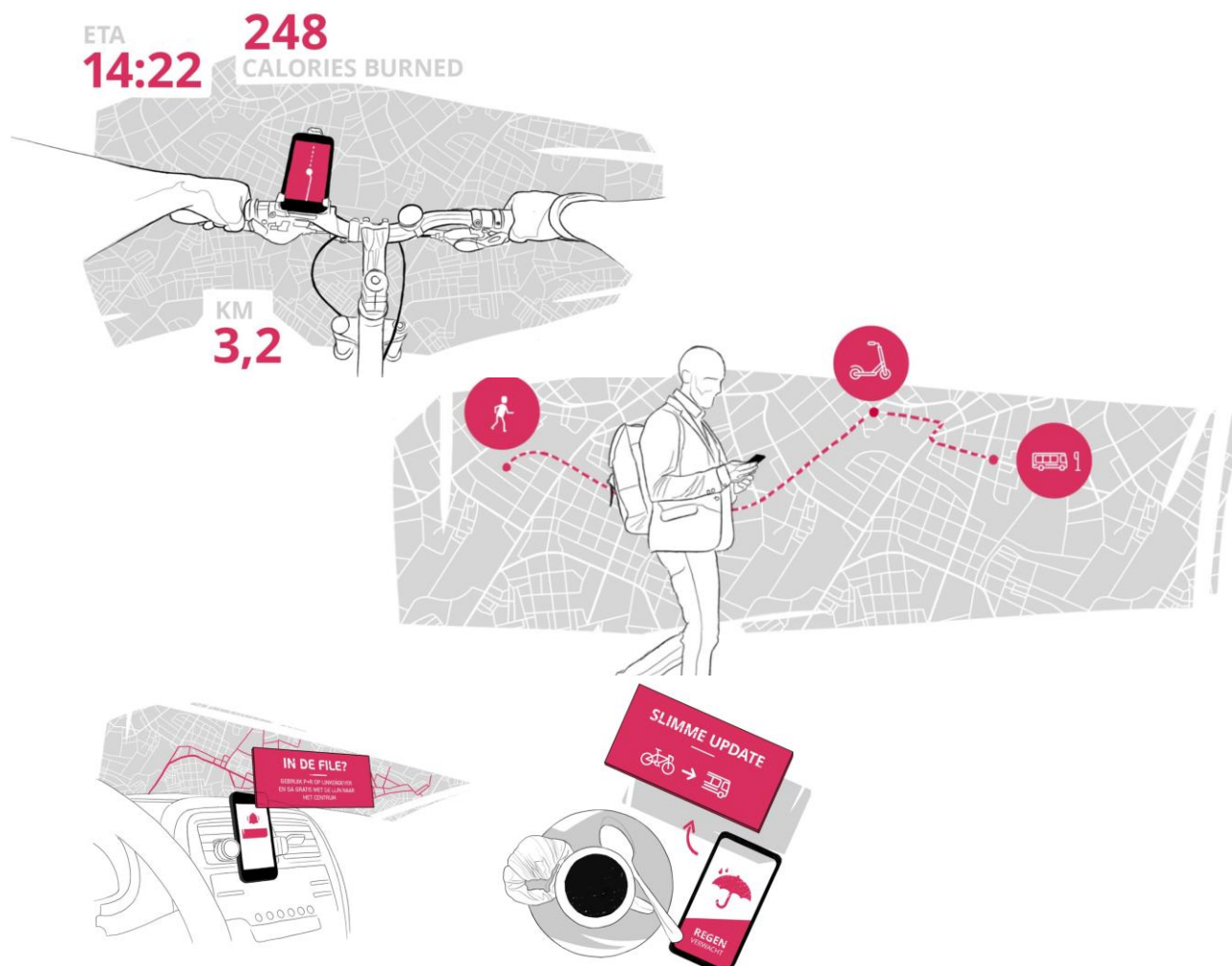
Complex possibilities

Modal Choices

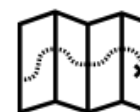
-  Car
-  By foot
-  Bike or eBike
-  Foldable bike
-  Public Transport
-  Public Transport + foldable bike
-  Public Transport + bike
-  Taxi
-  Shared care with fixed parking
-  Station 2 Station bikesharing
-  Free-floating shared micromobility
-  Shared bikes with fixed parking



Future developments



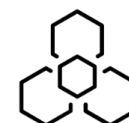
Incentives



Trip planner API



Quality framework



NXTMobility



SnA-profile (MyData/SOLID?)

A man with a shaved head, wearing a light blue suit jacket, a blue shirt, and a dark red tie, is seated at a wooden dining table. He is looking directly at the camera with a slightly open mouth, as if speaking. On the table in front of him is a silver laptop, a glass of orange juice, a small bowl, and some papers. He is wearing checkered shorts and blue patterned loafers. The table is covered with a green fringed tablecloth. The setting is a dining room with wooden cabinets and a lamp in the background.

One more thing...



Smart Ways to Antwerp

www.slimnaarantwerpen.be

info@slimnaarantwerpen.be

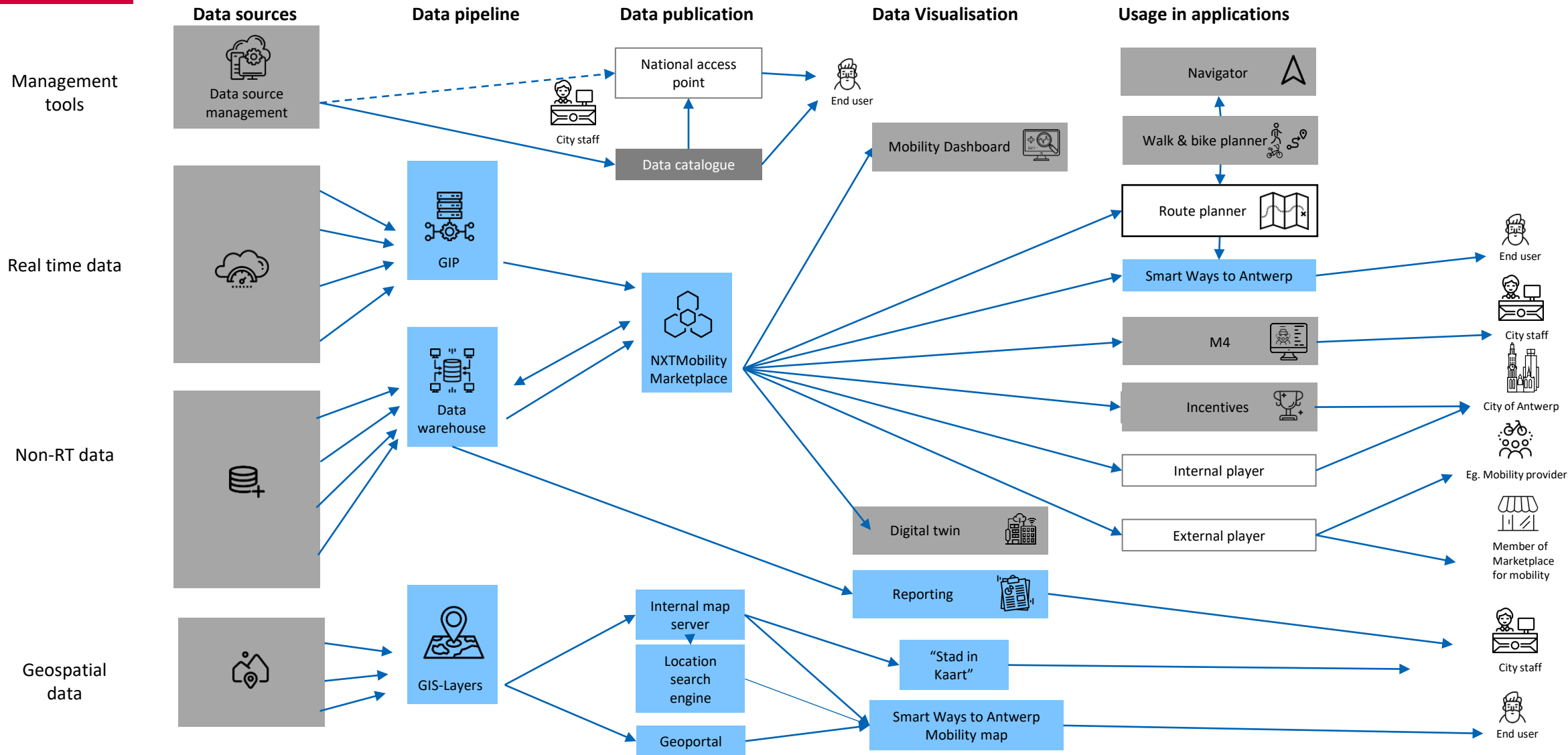
Stijn Vernailen

Mobility Data & MaaS

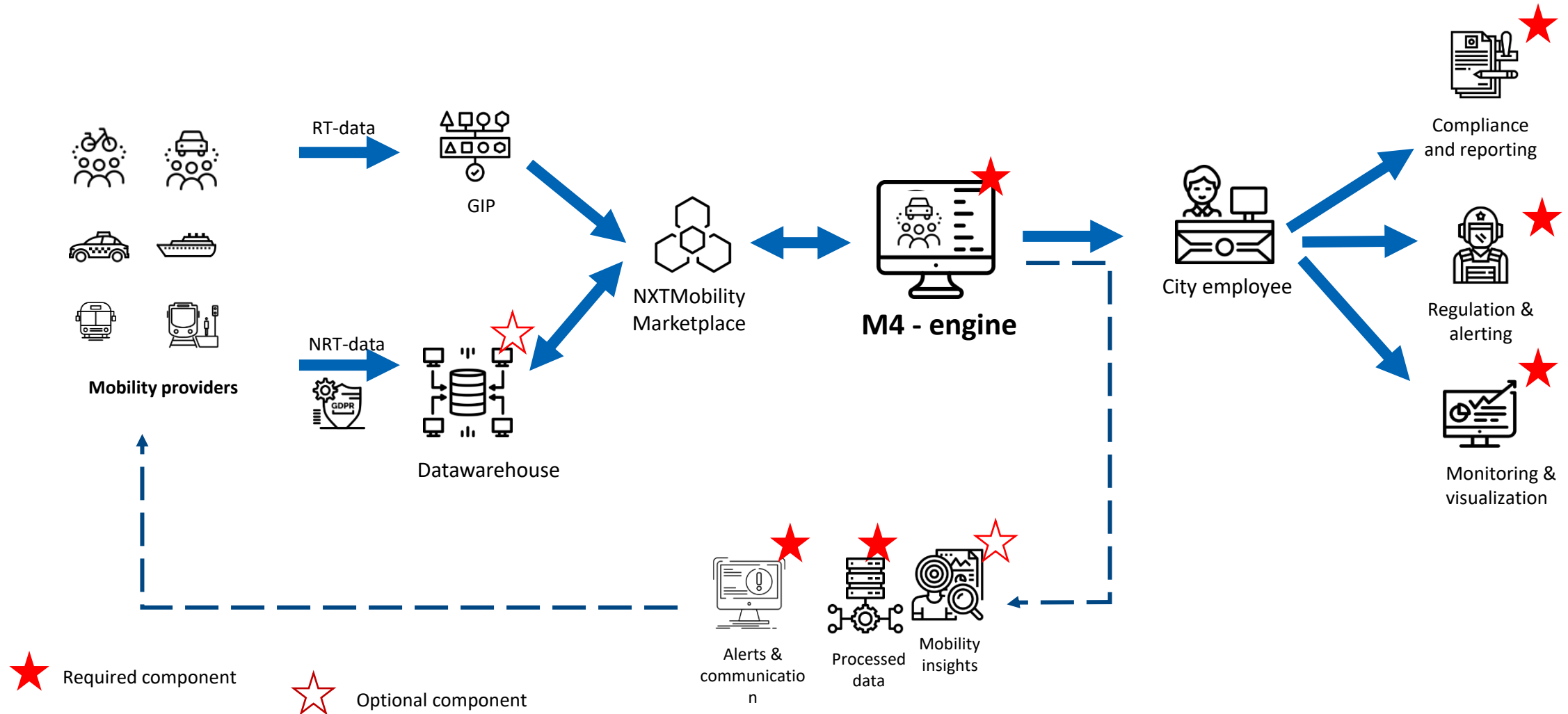
Stijn.vernailen@stad.antwerpen.be

+32 479 64 24 46

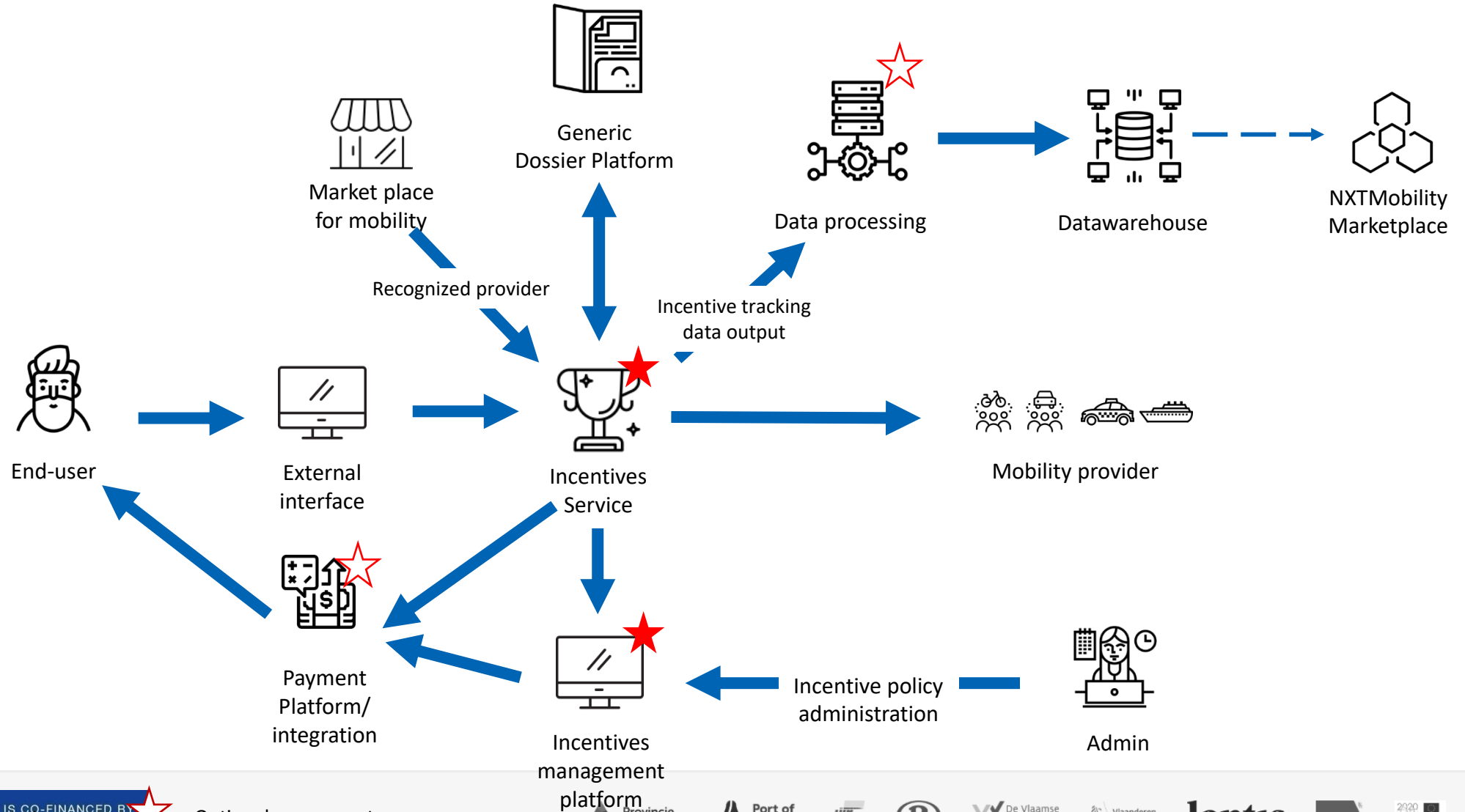
@pomgod



NXTMobility M4: MultiModal Mobility Management System

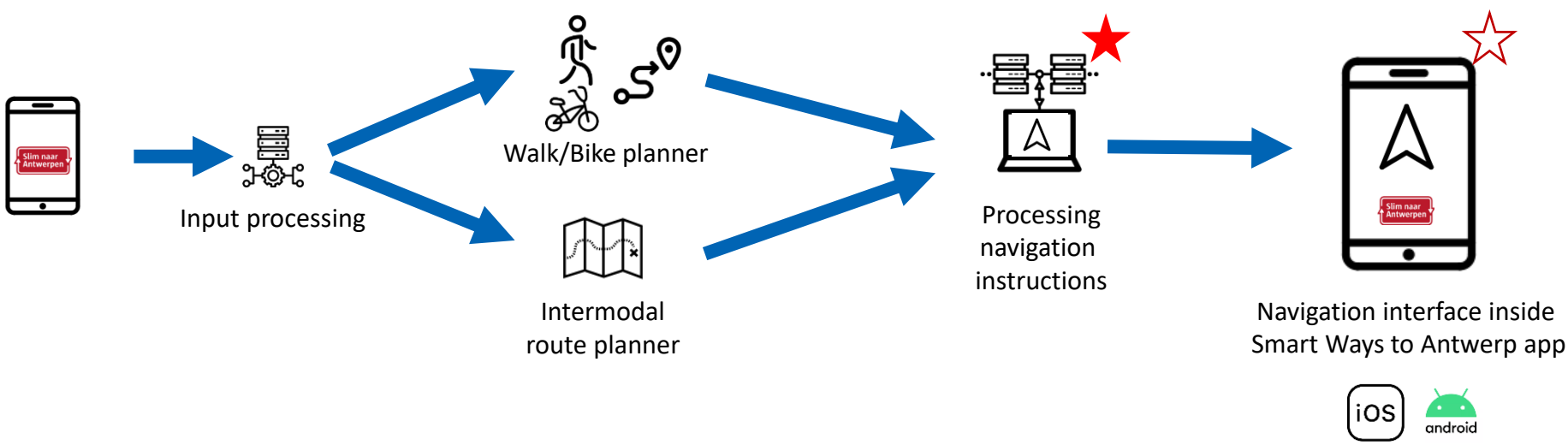


NXTMobility Incentives



NXTMobility: Smart Ways to Antwerp Navigator integration

P O R T I S



NXTMobility: Smart Ways to Antwerp – integration of improved walk and bike planner

PORTIS

