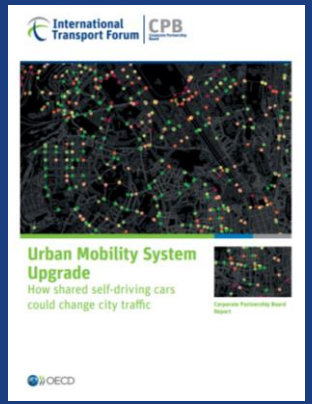
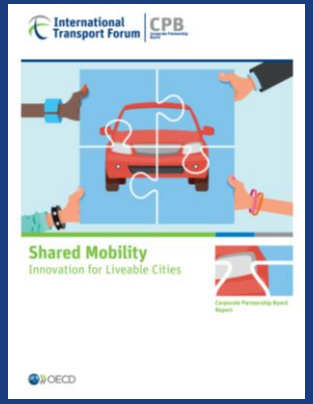
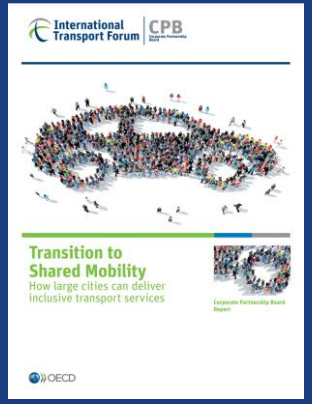
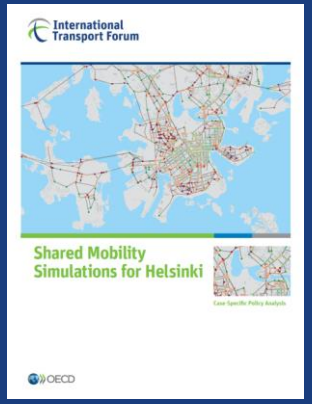
International Transport Forum

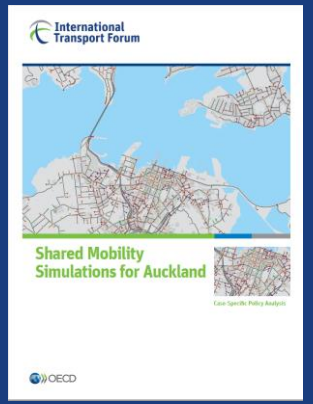
new mobility services

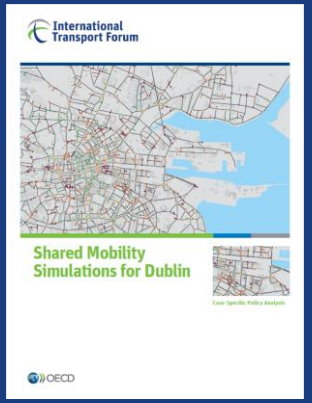


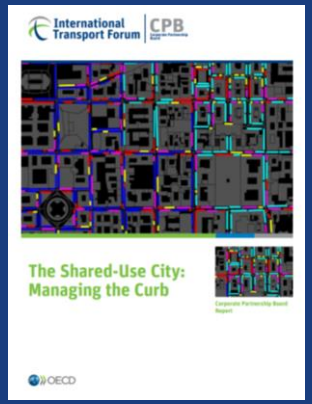


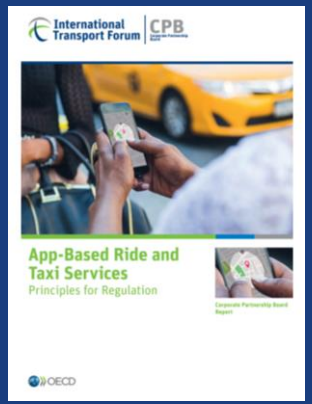


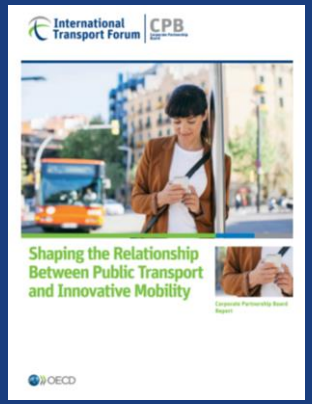




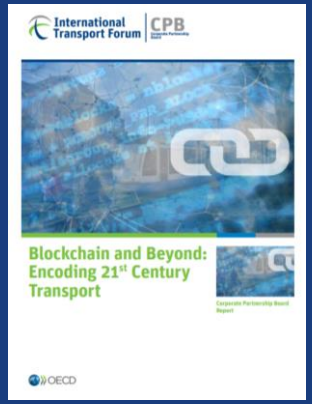


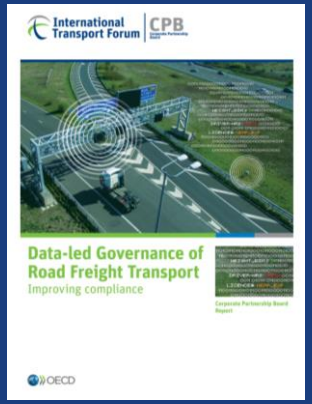


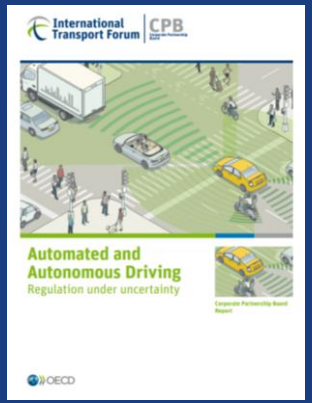


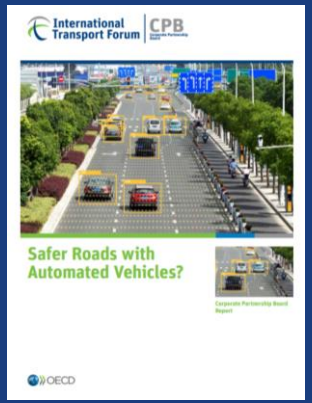


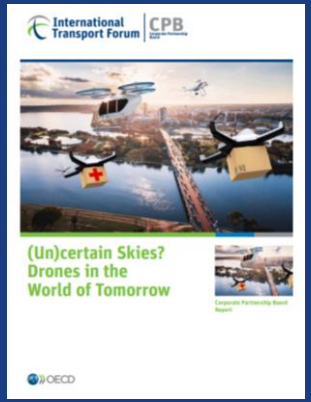
data, data science, new technologies











International Transport Forum

(r)evolutions

OECD

International Transport Forum

slogans

OECD

smart. everything. now.

SOHO

R.T.V
Paz

access

International Transport Forum

convergence

(re) framing

(re) spacing

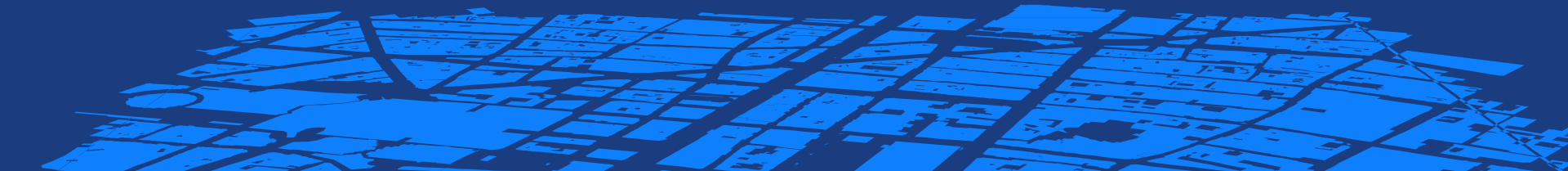
OECD

International Transport Forum

convergence

OECD

mobility in the city



walk

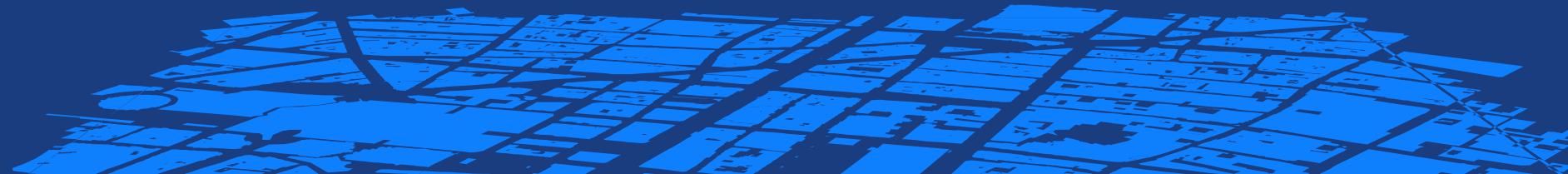
public transport

car

cycle

trucks/vans

mobility in the city



drones

ride-sourcing

scooter share

walk

public transport

car

shared micro-mobility

trucks/vans

cycle

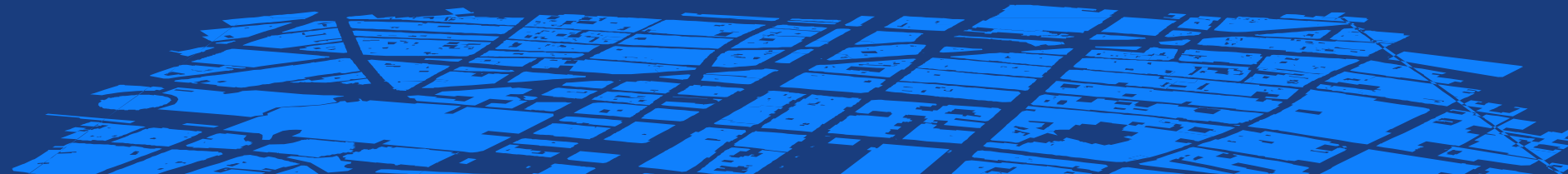
bike share

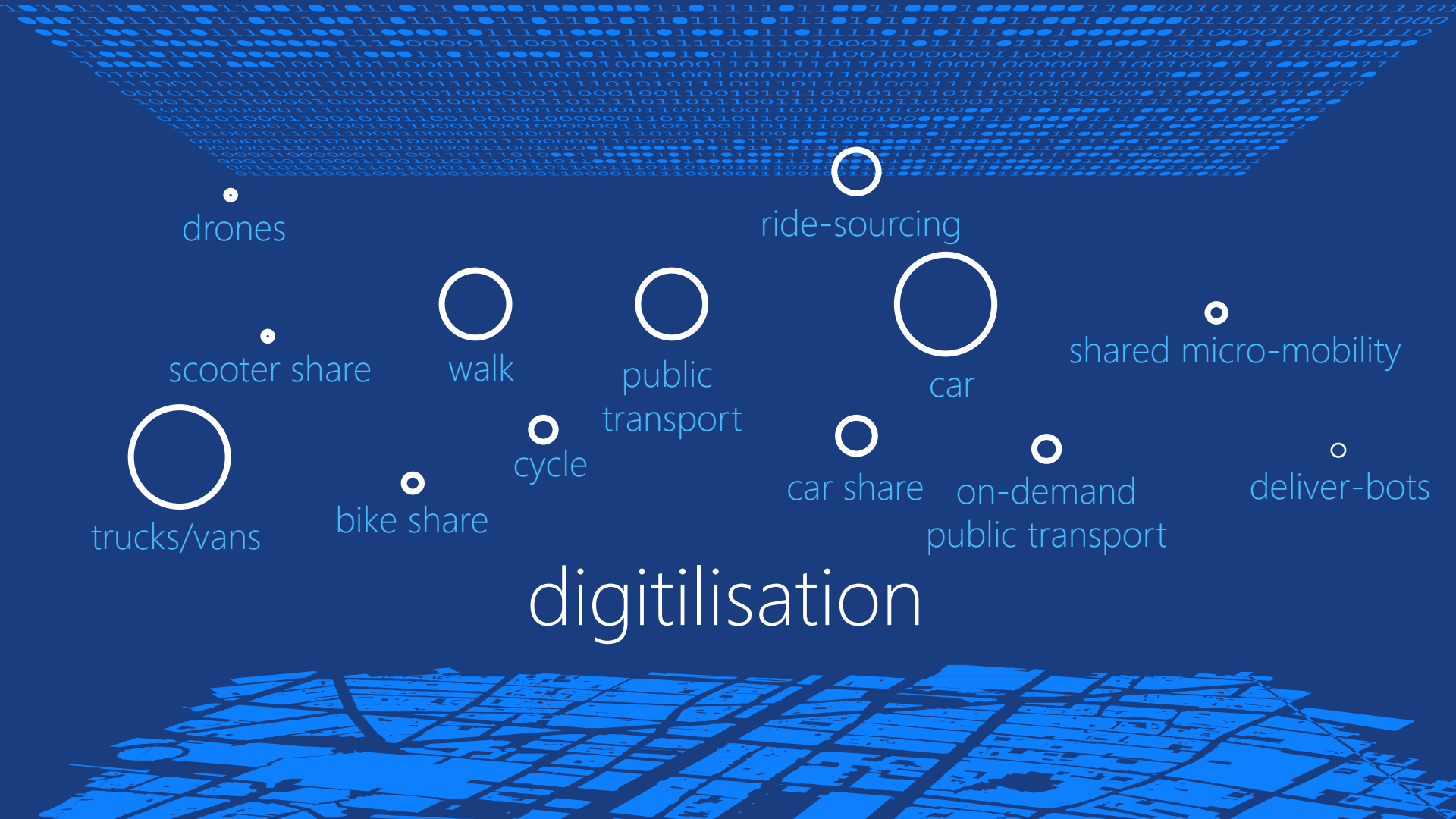
car share

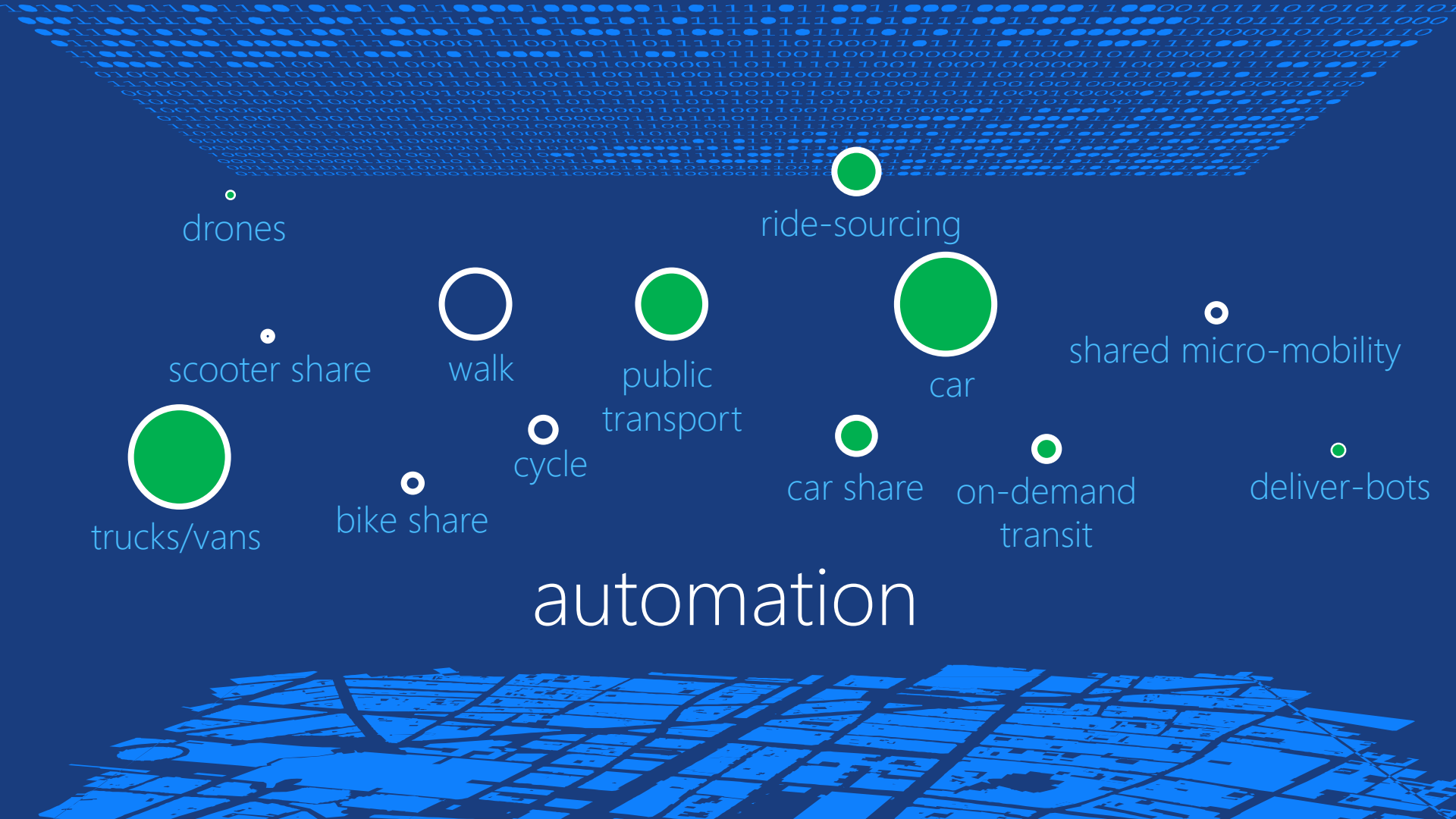
on-demand public transport

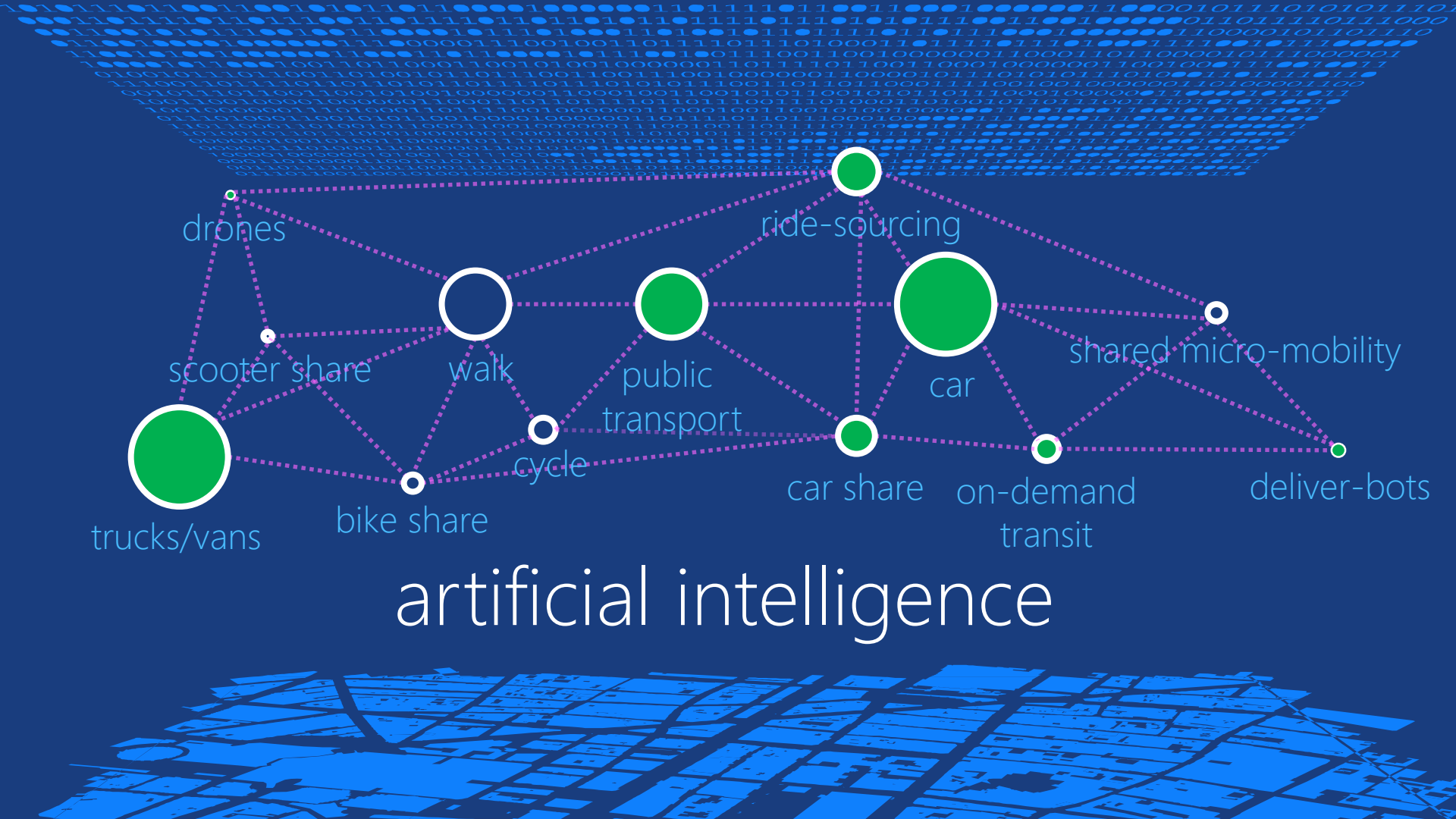
deliver-bots

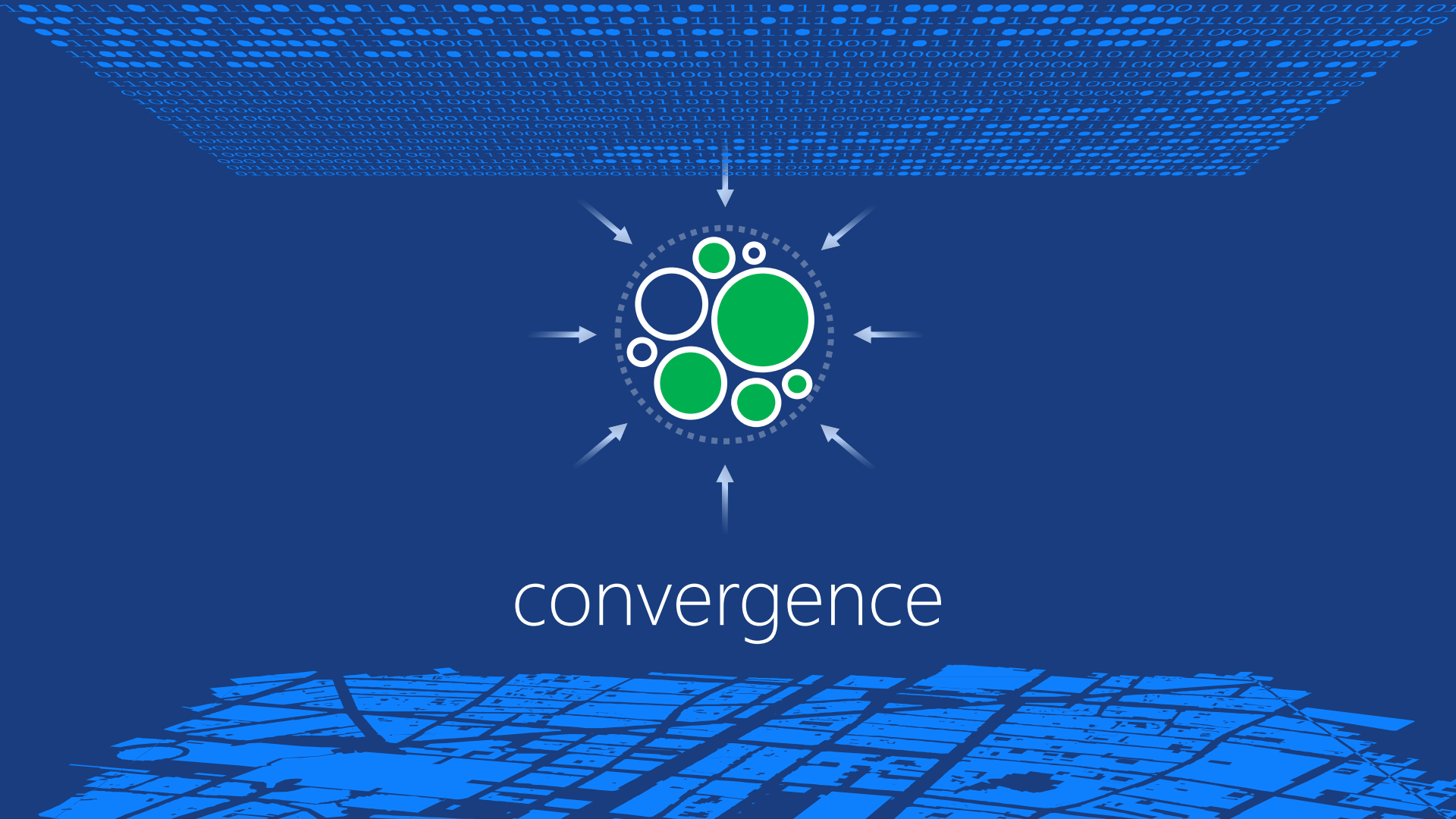
mobility in the city




drones
ride-sourcing
scooter share
walk
public transport
car
shared micro-mobility
trucks/vans
cycle
bike share
car share
on-demand public transport
deliver-bots
digitilisation


drones
ride-sourcing
scooter share
walk
public transport
car
shared micro-mobility
trucks/vans
cycle
bike share
car share
on-demand transit
deliver-bots
automation


drones
ride-sourcing
scooter share
walk
public transport
car
shared micro-mobility
cycle
trucks/vans
bike share
car share
on-demand transit
deliver-bots
artificial intelligence

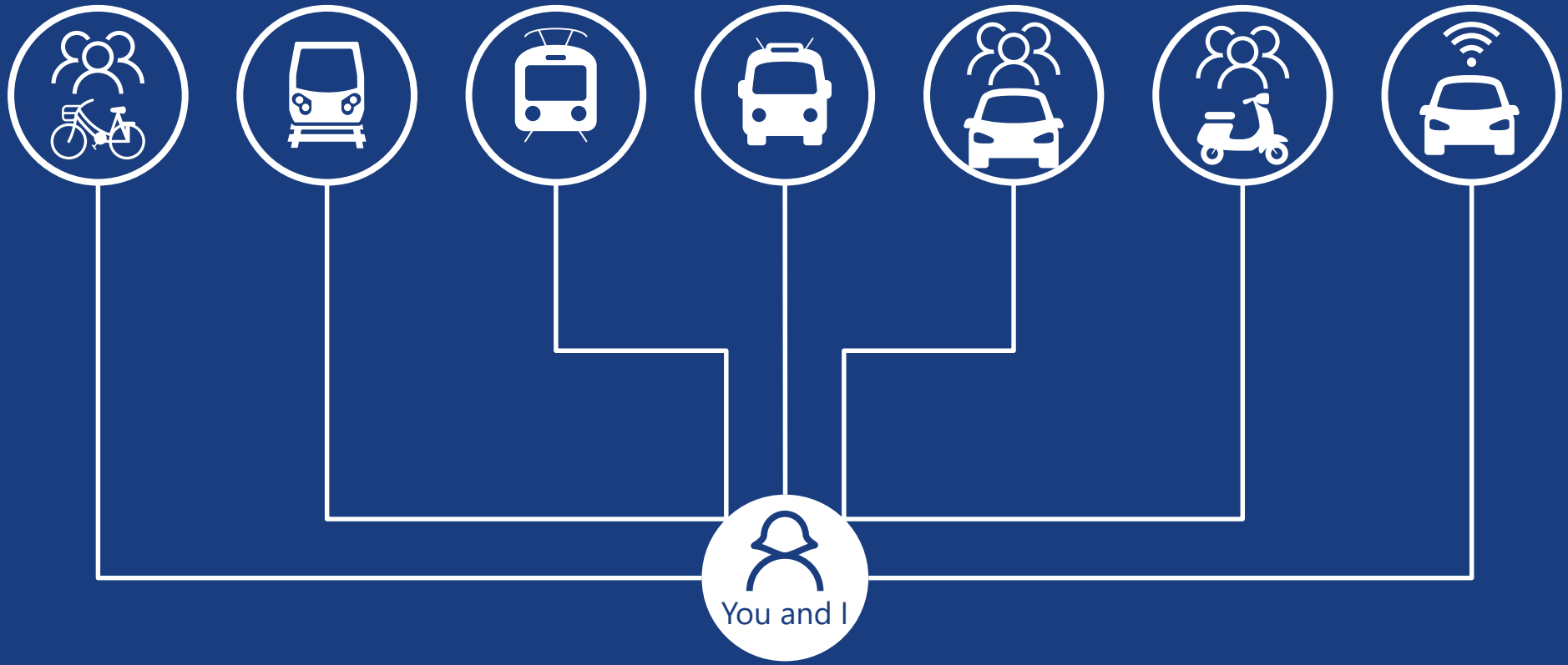

convergence

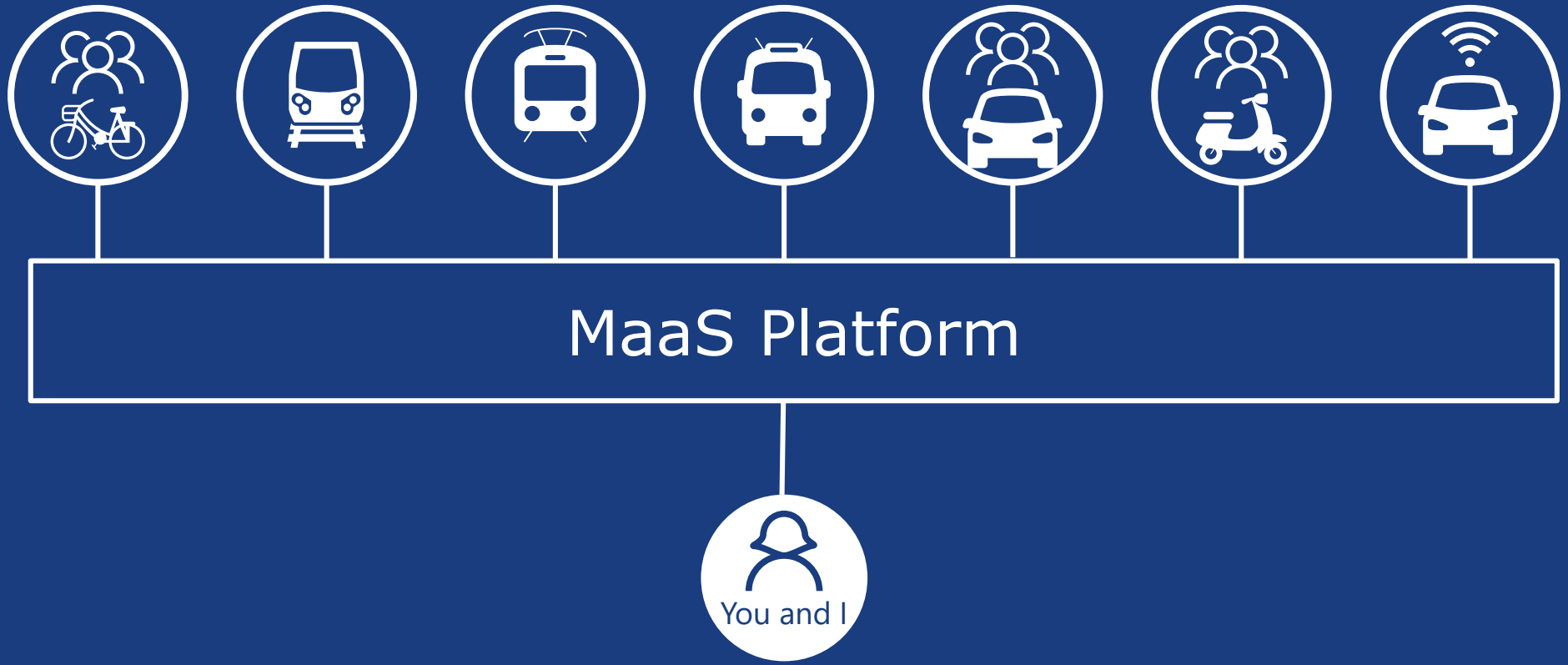
mobility

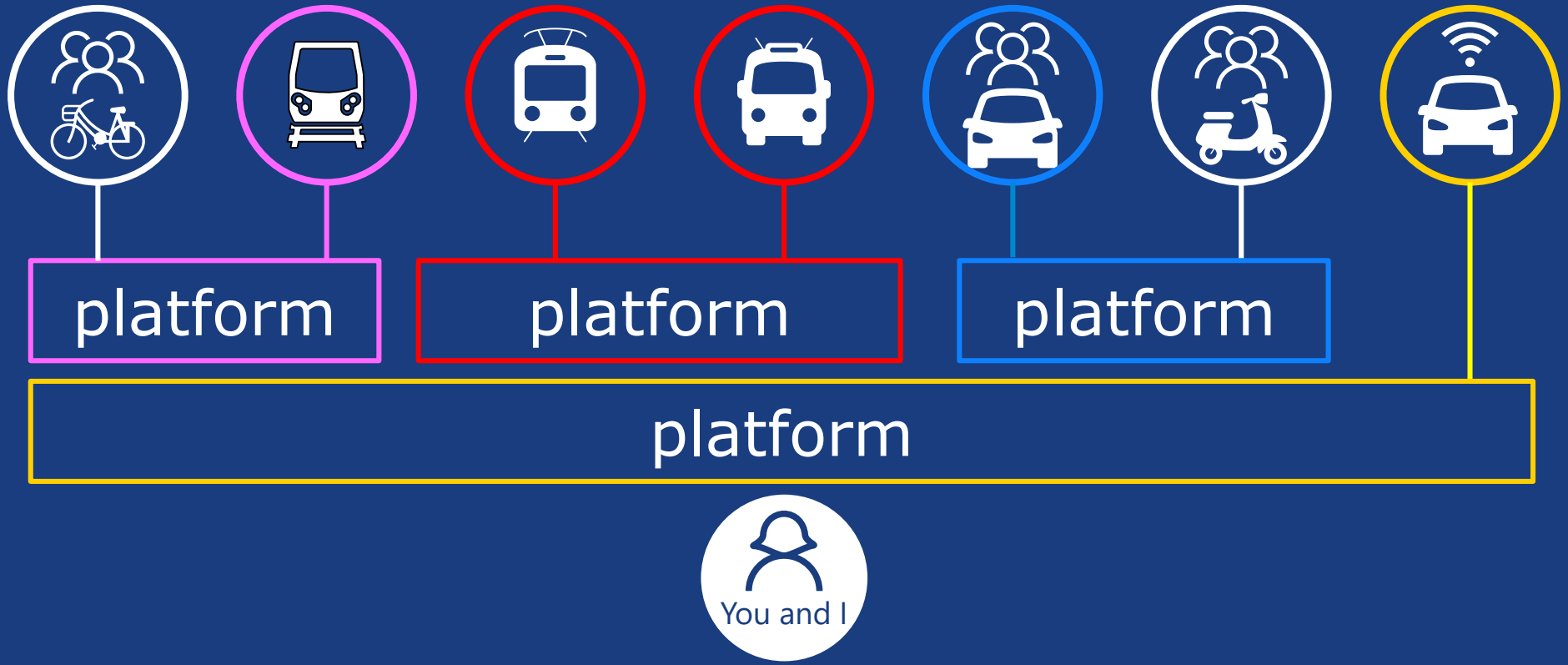
~~mobility~~ : city use

education
health care
government
city
mobility as a service
infrastructure
energy
banking
water

You and I


You and I


MaaS Platform
You and I


platform
platform
platform
platform
You and I

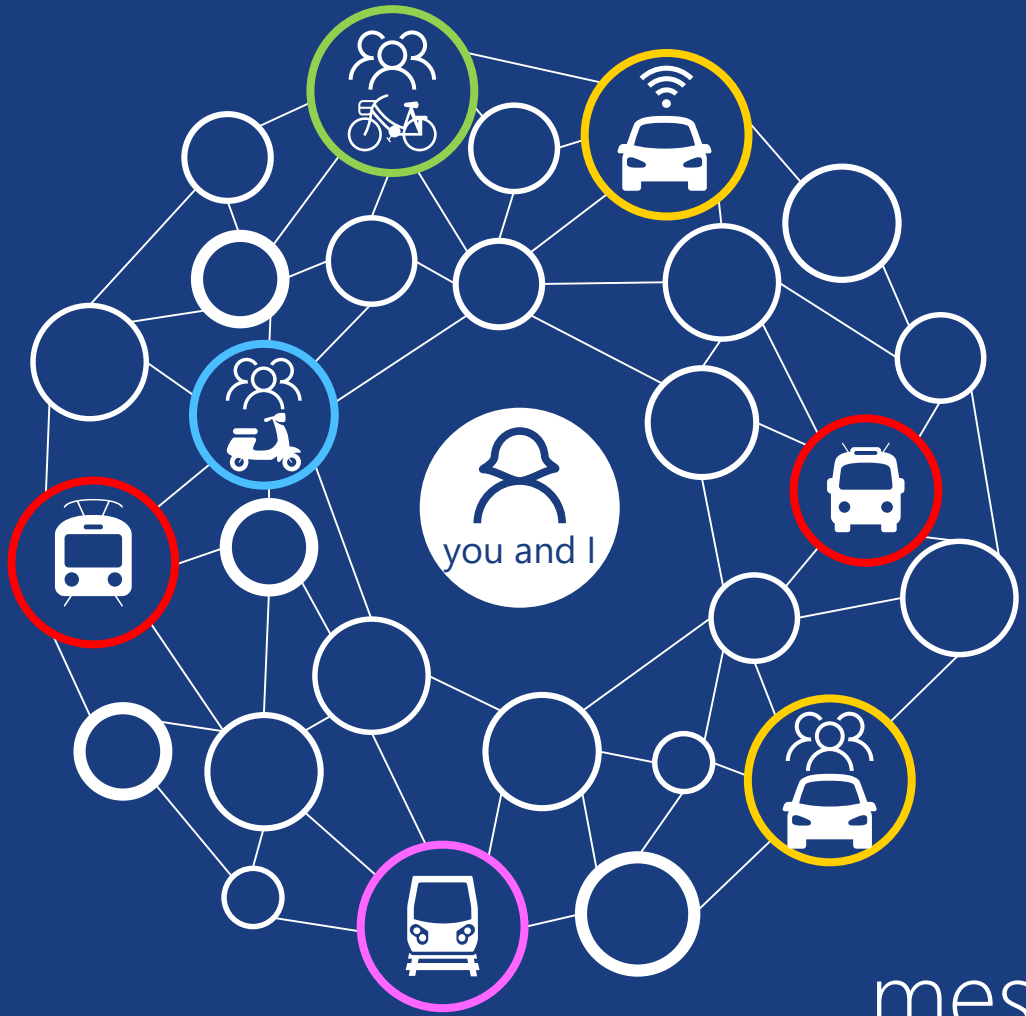
data science

today

tomorrow

distributed ledger technologies

dis-intermediated
distributed
disruptive
trust frameworks
-- where –
data speaks to data
sometimes transacts automatically



meshy-y MaaS

building meshy-y MaaS

who?

digital ID

what?

open, standard and mandatory API-served data (e.g. APDS)

where?

common open data syntax for spatial representation (e.g. sharedstreets.io)

International Transport Forum

(re) framing

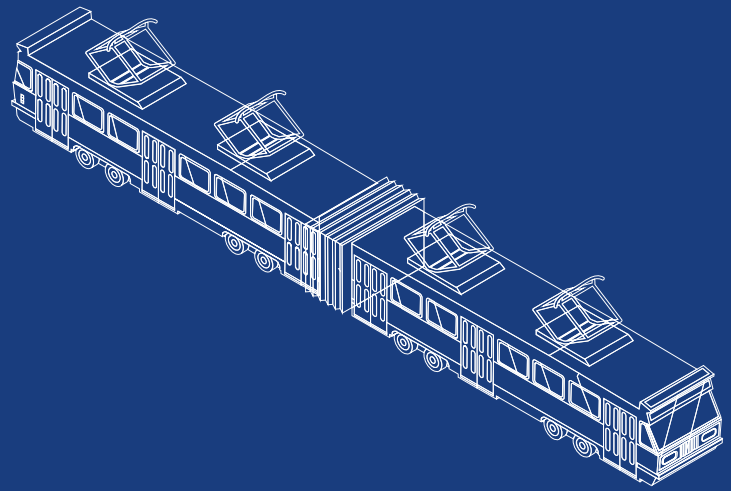
OECD

public : individual

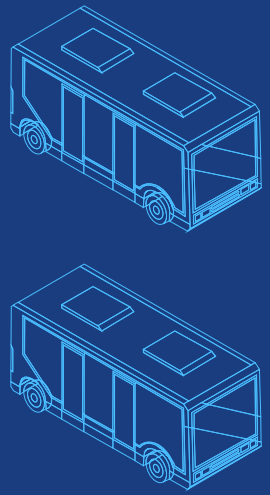
do I own it? : am I just using it?

agent-based (dispatcher, clients, vehicle), geospatial networks, synthetic trip population, non-dynamic effects, lexigraphical mode choice (locally calibrated choice model), 4 (5) modes.

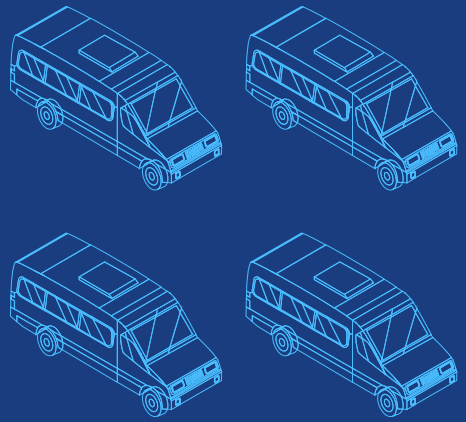
cycling/walking



high-capacity public transport



on-demand taxi-bus



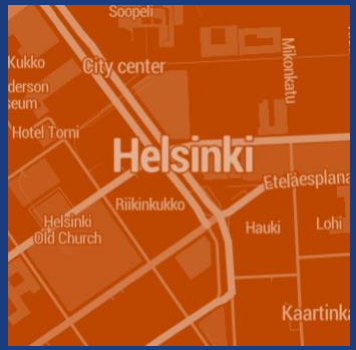
door-to-door shared taxis

car fleet

-97%

-93%

-97%



-96%

eliminate

all on-street parking

RANGE ROVER
+20%
kerb-to-kerb street space

-80%
off-street parking

2012

BILXPERTEN
DANMARK
306

BILXPERTEN
DANMARK
306

-48% to -51%

Whole Lisbon Metro Area

Outside center

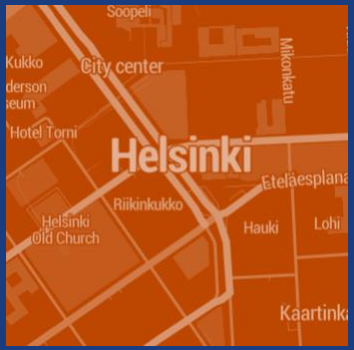
vehicle kilometres 24hr

CO_2 emissions

-31%

-54%

-62%



-34%

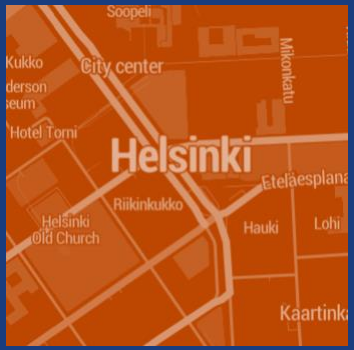
80E Nationaltheatret
ekspress
40
1200
Ruter
DN 74036

public transport

+54%

+681%

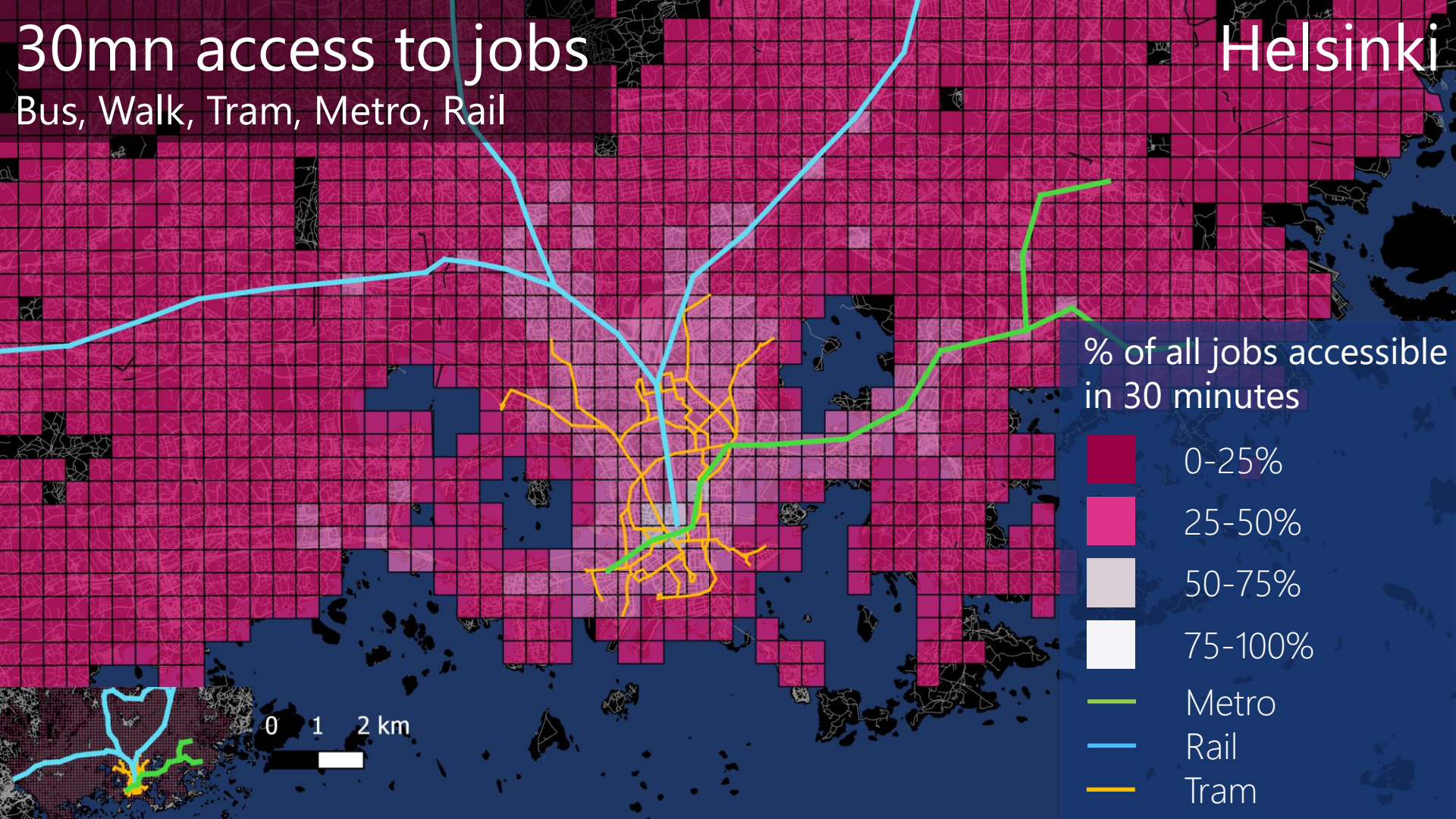
+47%

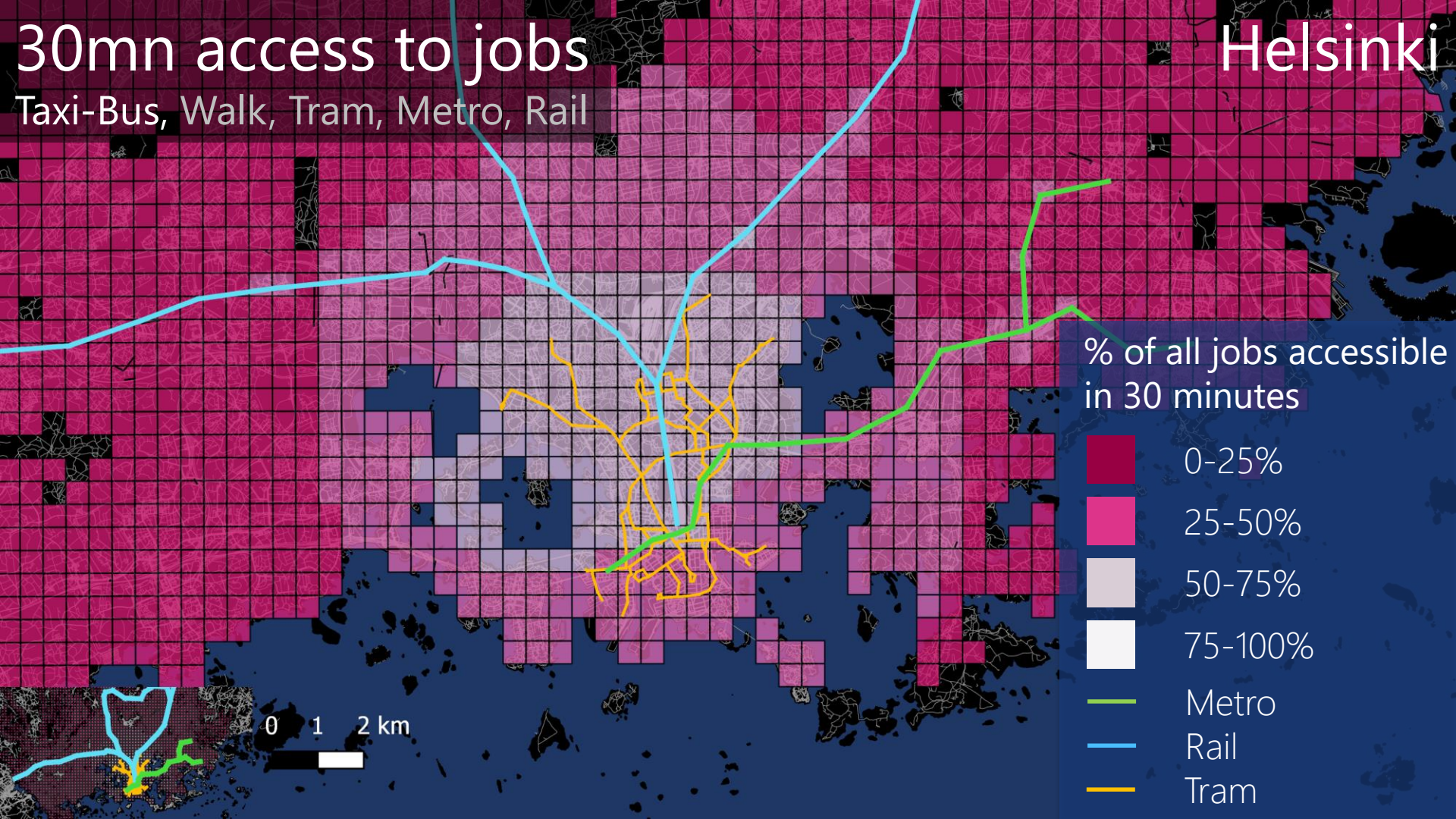


+30%

+ access

30mn access to jobs
Helsinki
0 1 2 km
Metro
Rail
Tram


30mn access to jobs
Bus, Walk, Tram, Metro, Rail
Helsinki
% of all jobs accessible in 30 minutes
0-25%
25-50%
50-75%
75-100%
Metro
Rail
Tram
0 1 2 km

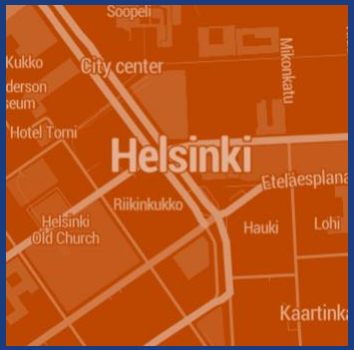

30mn access to jobs
Taxi-Bus, Walk, Tram, Metro, Rail
Helsinki
% of all jobs accessible in 30 minutes
0-25%
25-50%
50-75%
75-100%
Metro
Rail
Tram
0 1 2 km

access

+183%

+254%

+589%



+111%

International Transport Forum

(re)spacing

OECD

parking city ⇨ pick-up/drop-off city

CURB FACE

SUPERMERCAT
6992 JGC
0571 JJW

0571 JJW

6992 JGC

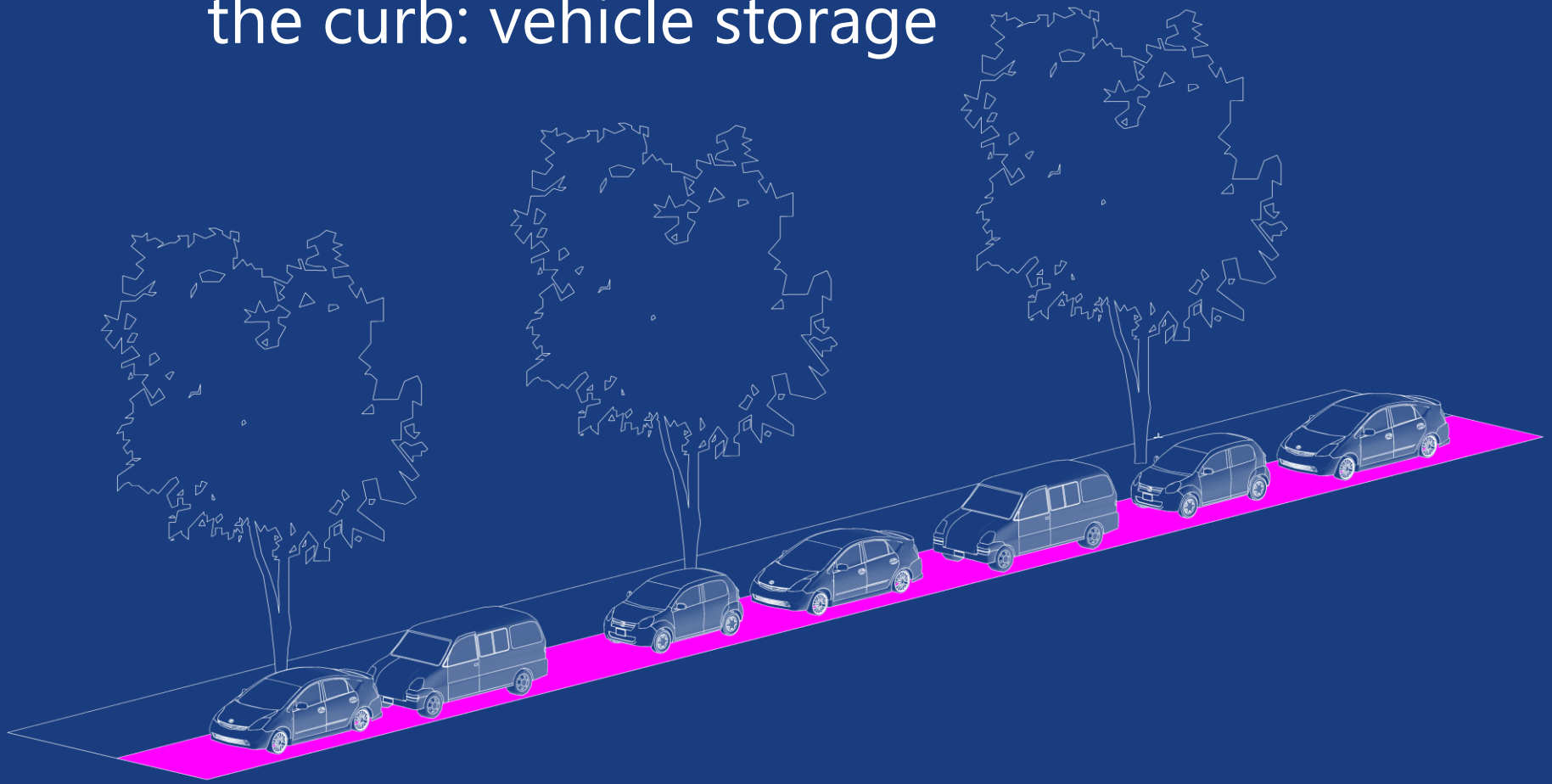
ENTRADA
9521 FWV

PICK-UP / DROP-OFF

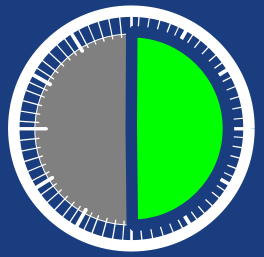
CAMRY
LE
BEST ON THE ROAD
FEB California
6LPR265
EDEN MOTOR GROUP

curbs as flexible, dynamic, self-adjusting spaces

the curb: vehicle storage



the curb: flexible use zone



00h-06h

the curb: flexible use zone

06h-11h

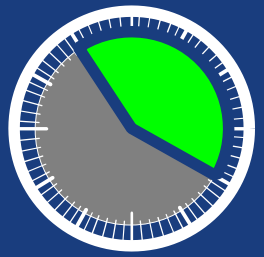
Bike share

Goods delivery

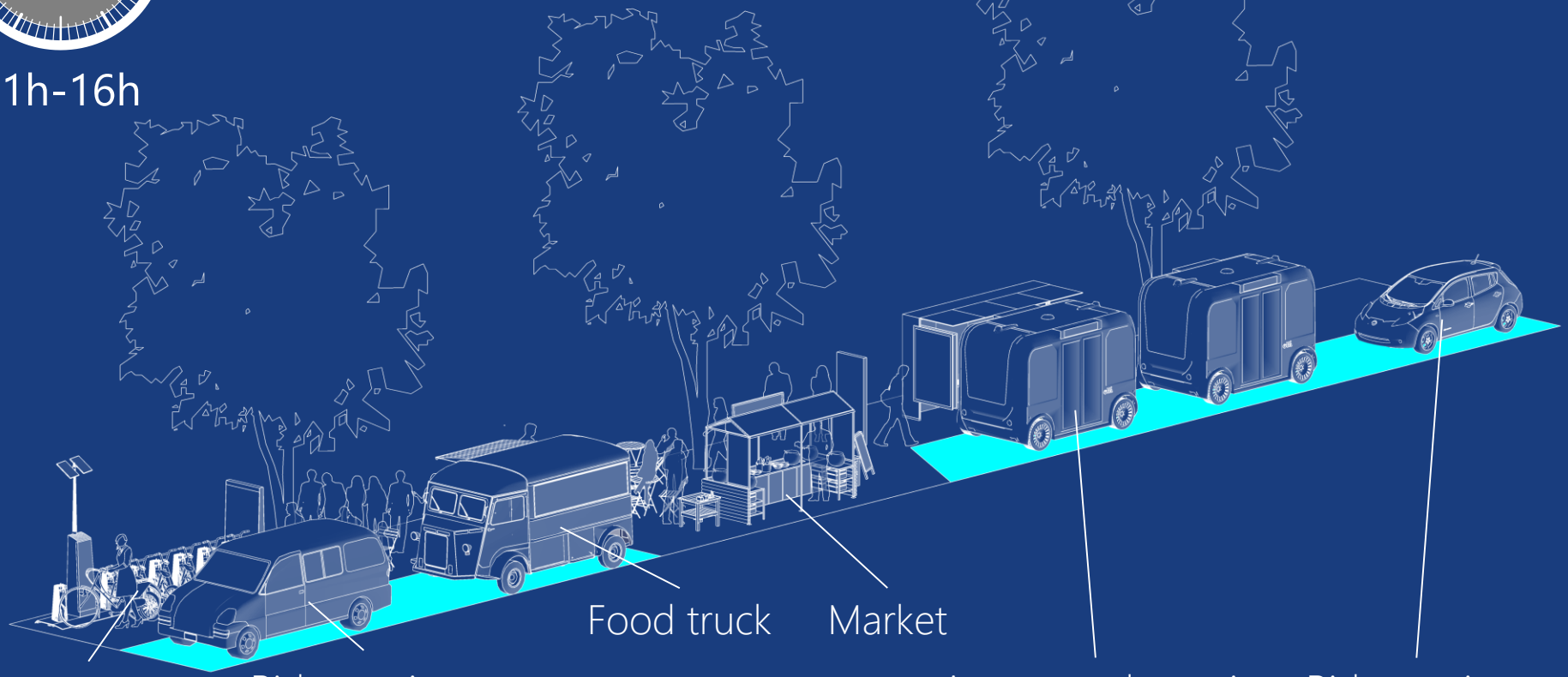
Services

High-capacity public transport

the curb: flexible use zone

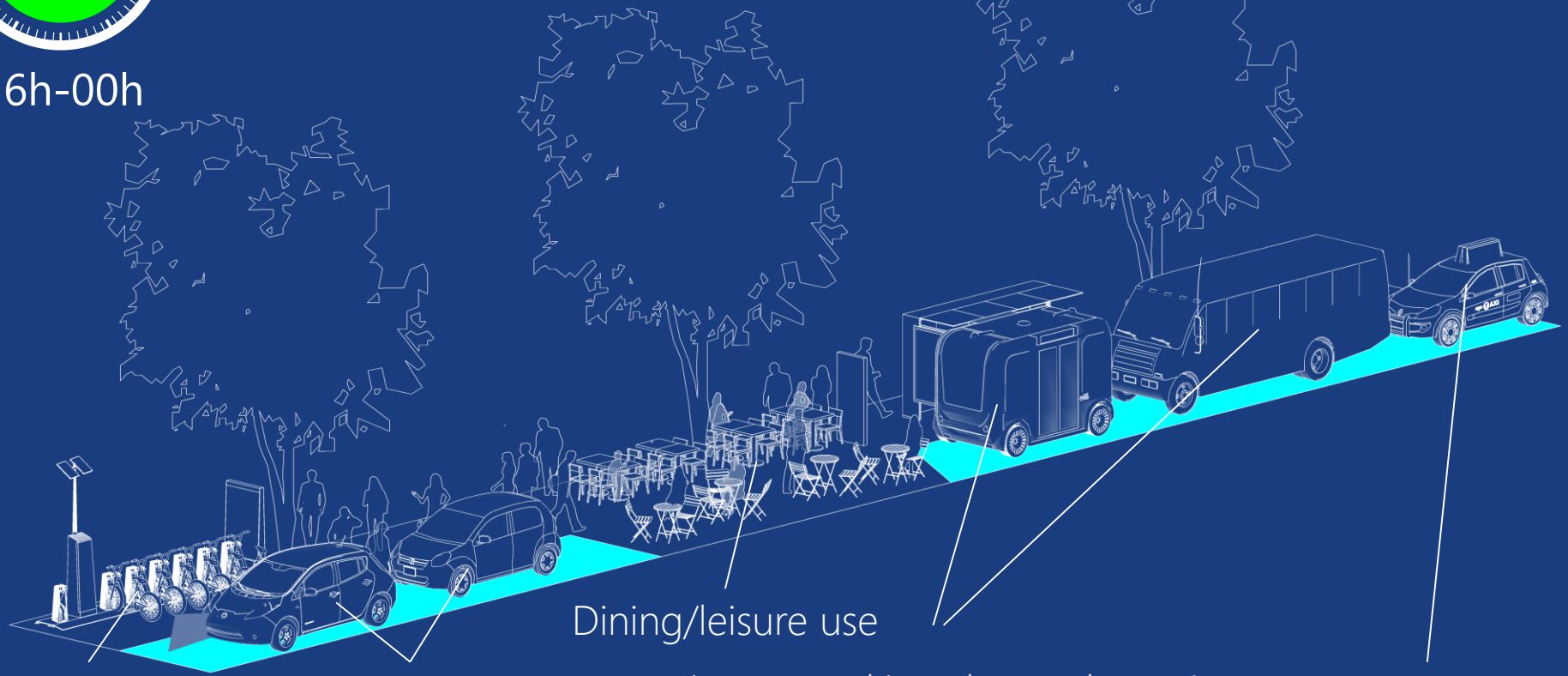


11h-16h



the curb: flexible use zone

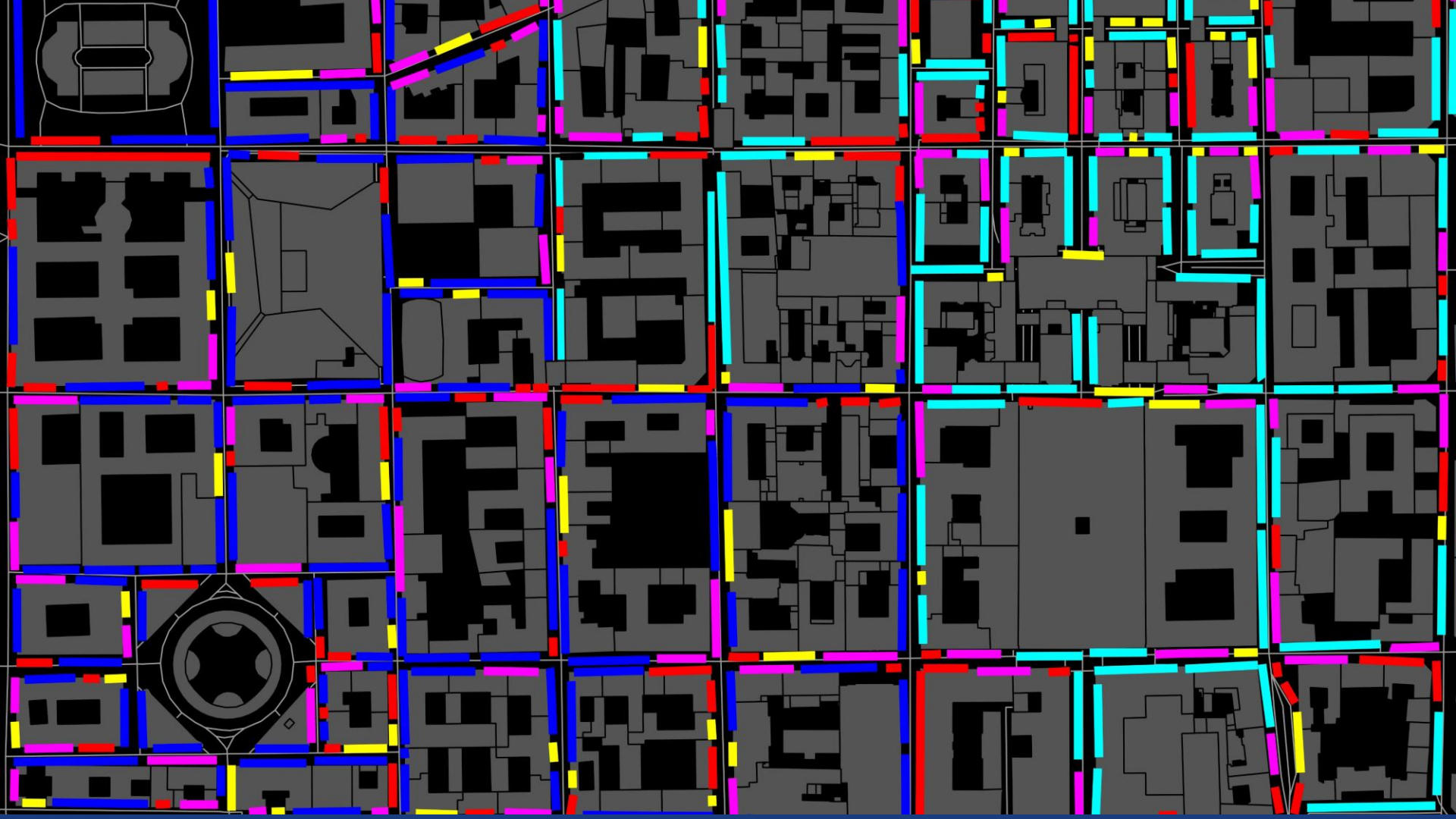
16h-00h

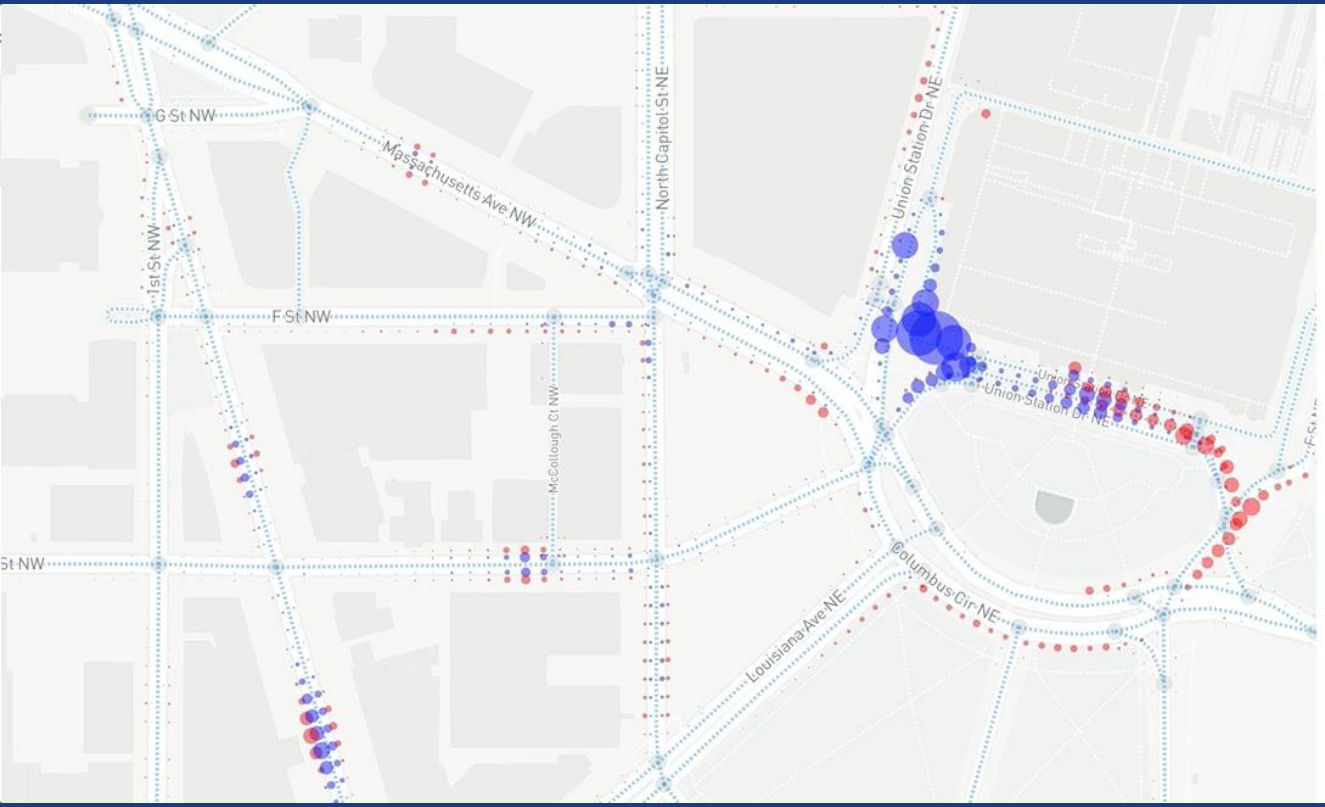


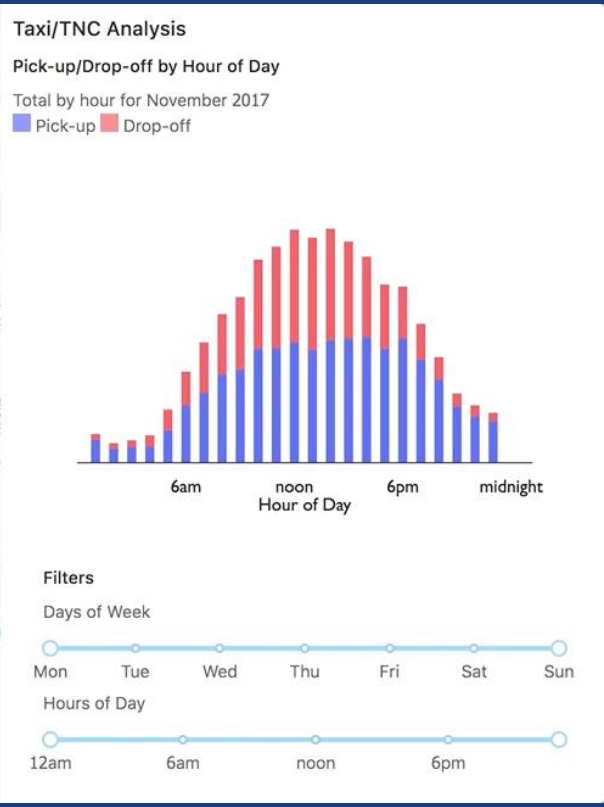
code the curb

P
15min
830AM - 915AM
1115AM - 115PM
315PM - 345PM
MON - FRI
830AM - 500PM
MON - FRI
8AM - 830AM
915AM - 1115AM
115PM - 315PM
345PM - 5PM
12:01AM - 7AM
7D
EXCEPT
BY PERMIT

PARKING GUIDE
MON-FRI
SAT
SUN
12am
3am
7am
8am
9am
4pm
6pm
8pm
12am
2h
PARKING
NO PARKING
NO STOPPING
TOW AWAY
PASSENGER LOADING
TO RECOVER IMPOUNDED VEHICLE CALL 3-1-1
For more information visit parkinginfo.lacity.org
PARKING GUIDE
MON-FRI
SAT
SUN
12am
7am
8am
9am
4pm
6pm
8pm
12am
2h
PARKING
NO PARKING
NO STOPPING
TOW AWAY
TO RECOVER IMPOUNDED VEHICLE CALL 3-1-1
For more information visit parkinginfo.lacity.org







www.sharedstreets.io

general mobility feed specification

....

general public space use feed specification

make room for public transport, ride services and freight delivery at the curb where (and when) this aligns with strategic priorities

UBER
lyft
PICK-UP

700

DC to restrict Dupont Circle parking on weekend nights

By Neal Augenstein | @AugensteinWTOP
October 4, 2017 6:56 am

make room for new uses and users when this aligns with policy objectives

SPIN
ofo

P
P

anticipate revenue impacts of shifting from parking to pick-up and drop-off

P
MAX TIME
CANCEL

“curb-kiss” pricing to manage demand

algorithmic governance and </regulatory code>

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var shadowType = '0 0px
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$.doTimeout(

future obsolescence

pivot-culture

open vs. closed ecosystems

International Transport Forum

mobility (r)evolutions

OECD

water
education
health care
government
city as a service
mobility
infrastructure
energy
banking