

urban mobility: navigating future uncertainty

Philippe Crist

urban
mobility
will change

urban
mobility
will change













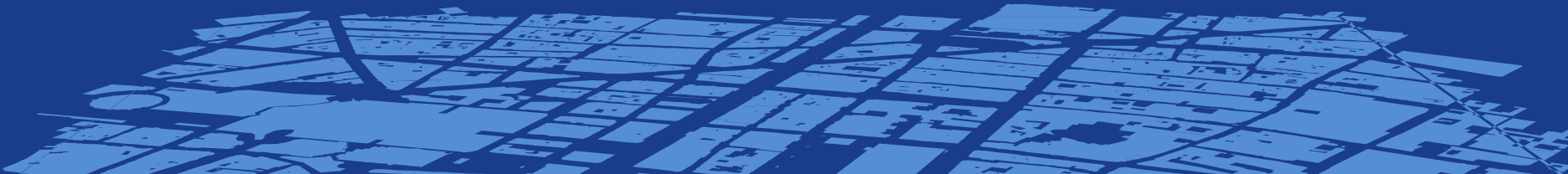


A photograph of a lively Parisian street at night. In the foreground, several red patio umbrellas are open over outdoor cafe seating. People are seated at small tables, some with drinks. A man in a dark jacket and hat is walking through the scene. The background shows a street lined with buildings, some with lit-up signs and balconies. A large, out-of-focus red object is in the immediate foreground on the right. The word "access" is written in white lowercase letters across the bottom of the image.

access

urban
mobility
will change

mobility in the city





walk



public
transport

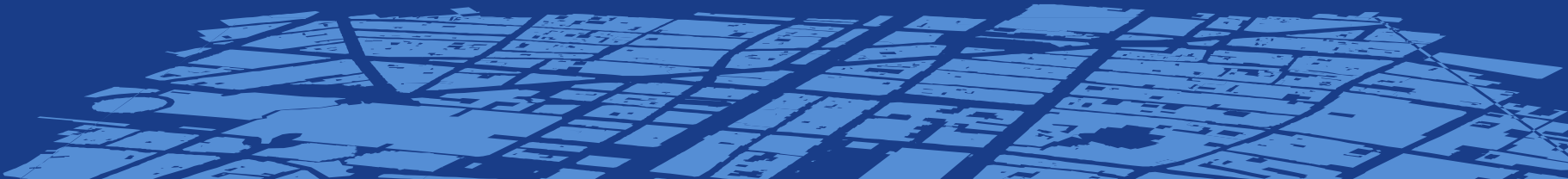


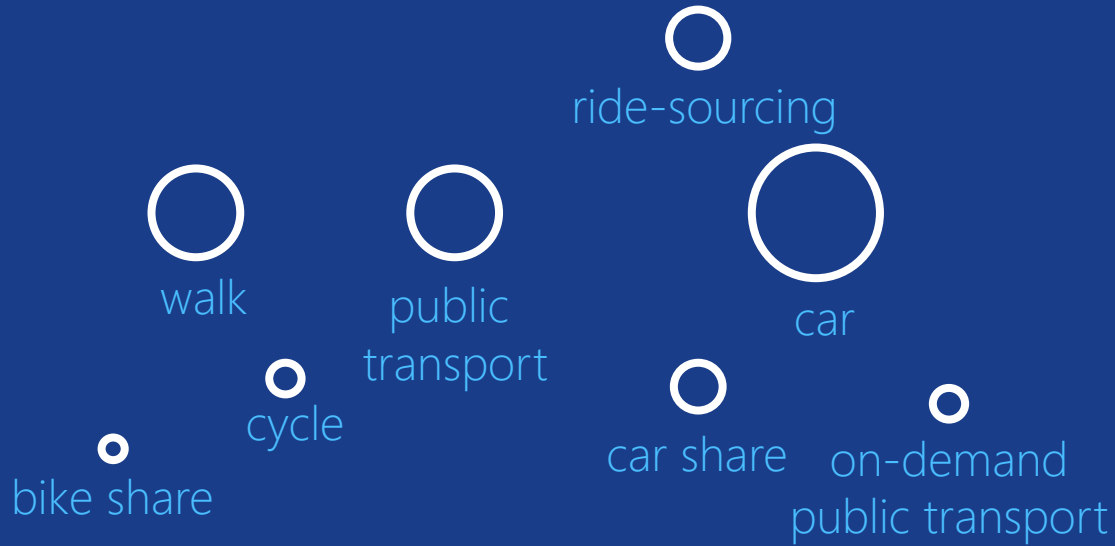
car



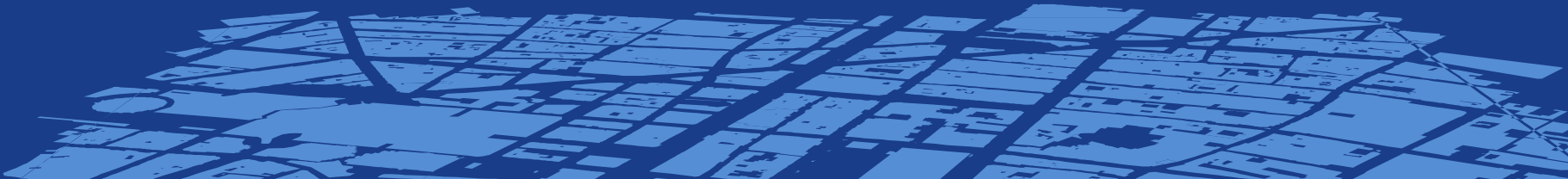
cycle

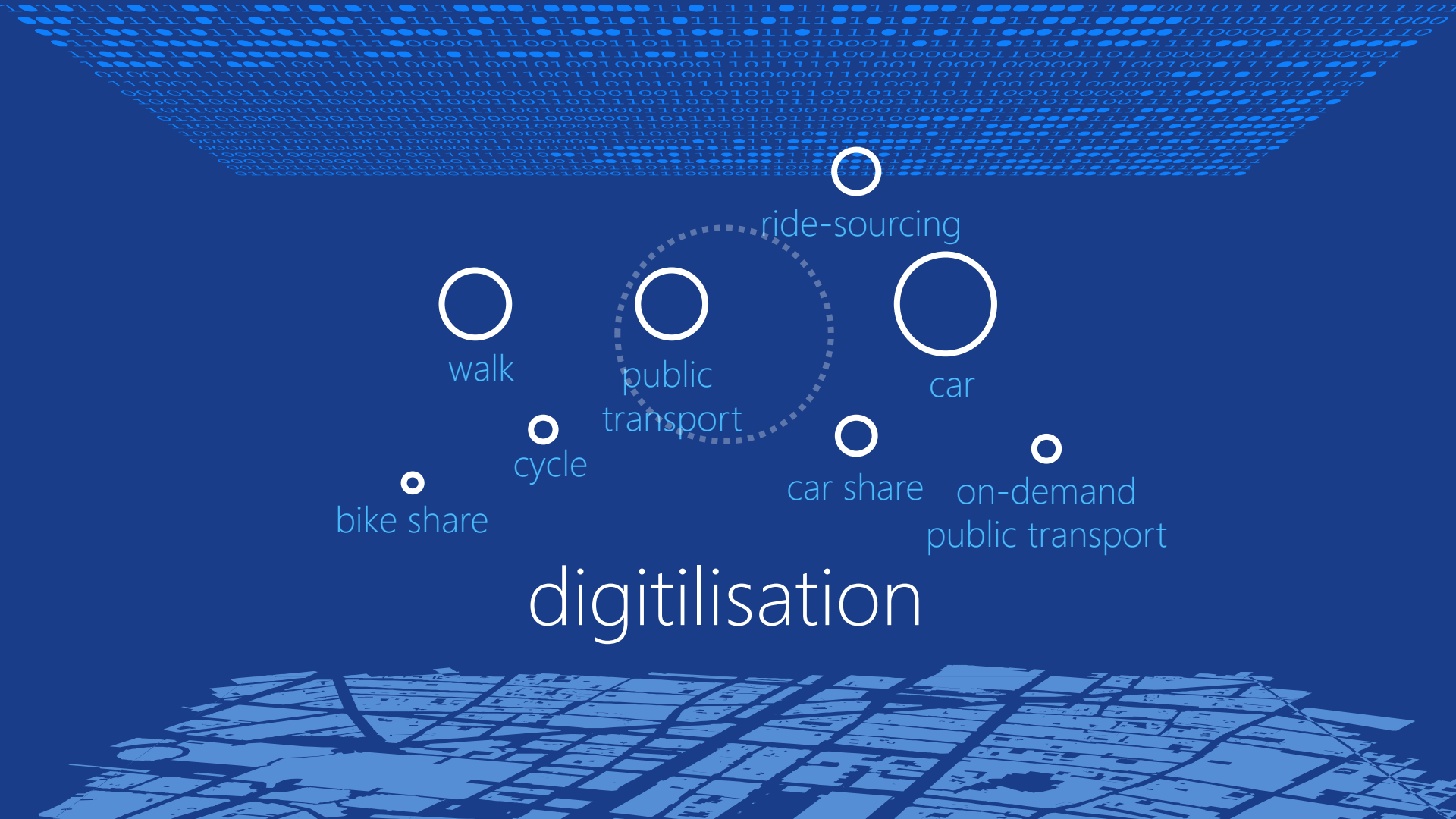
mobility in the city





mobility in the city





ride-sourcing



walk



public



car



cycle



car share



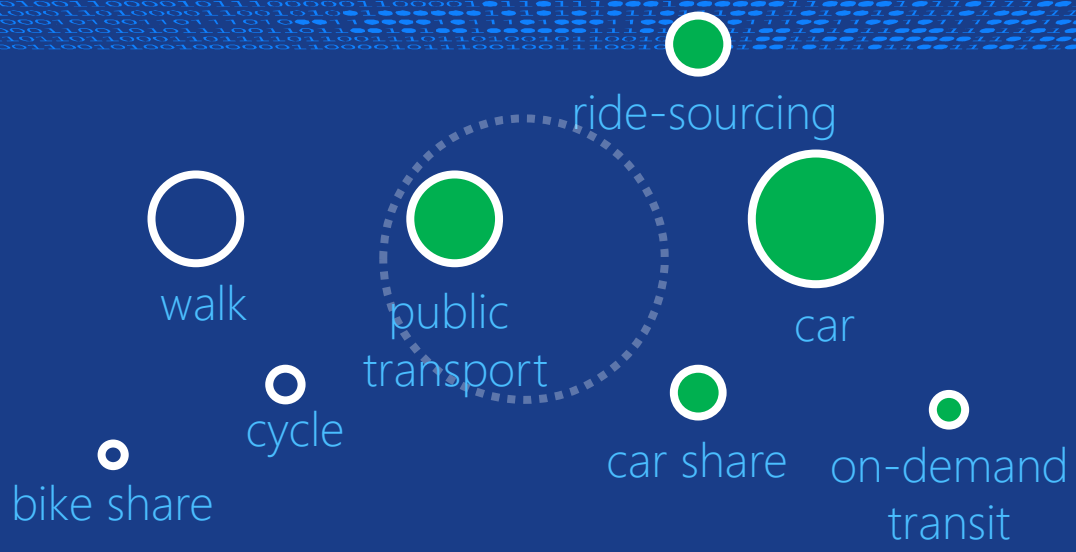
on-demand
public transport



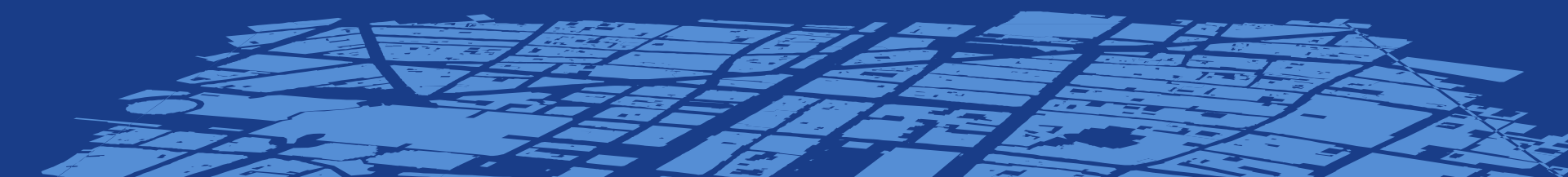
bike share

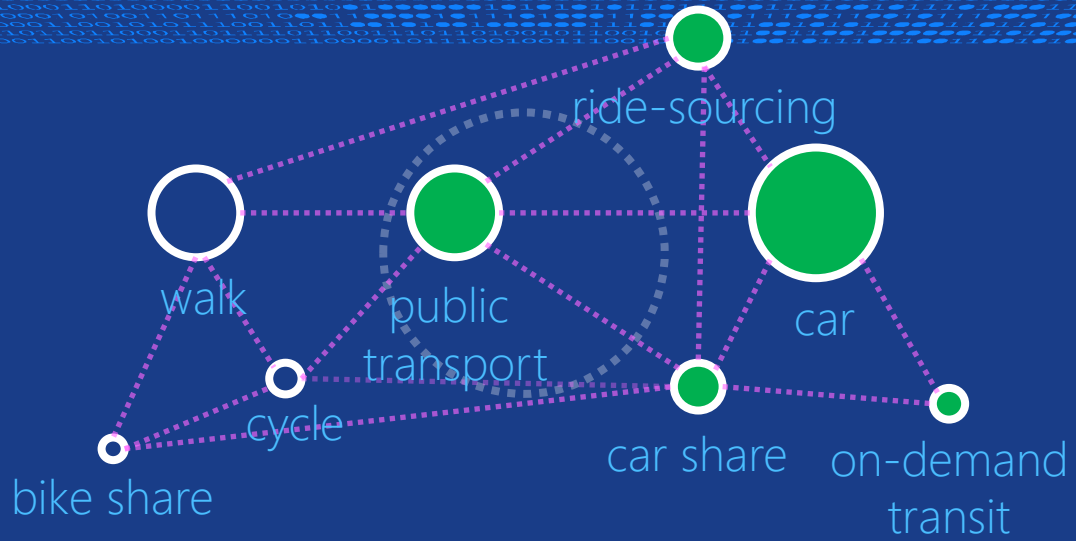
transport

digitilisation

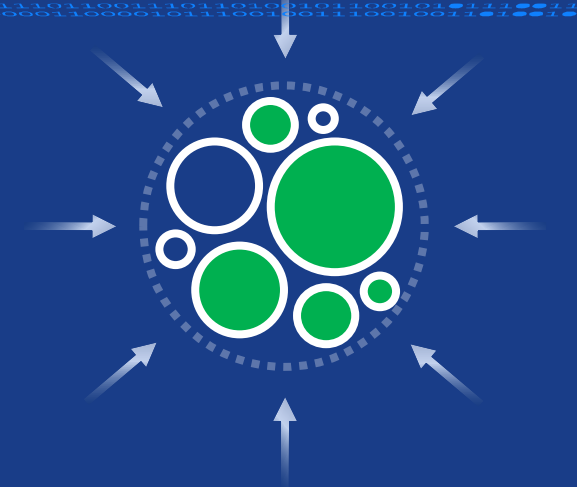


automation

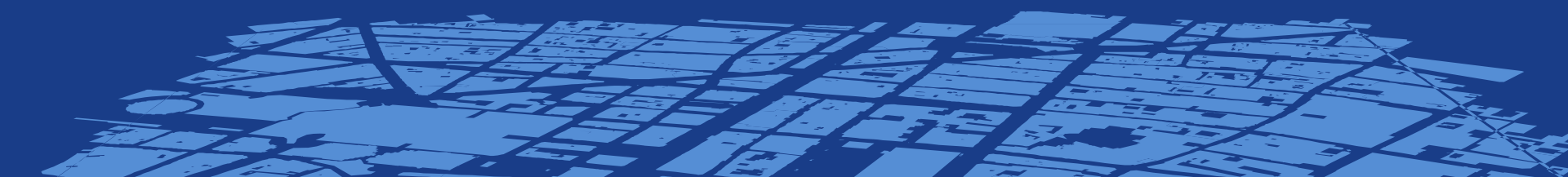




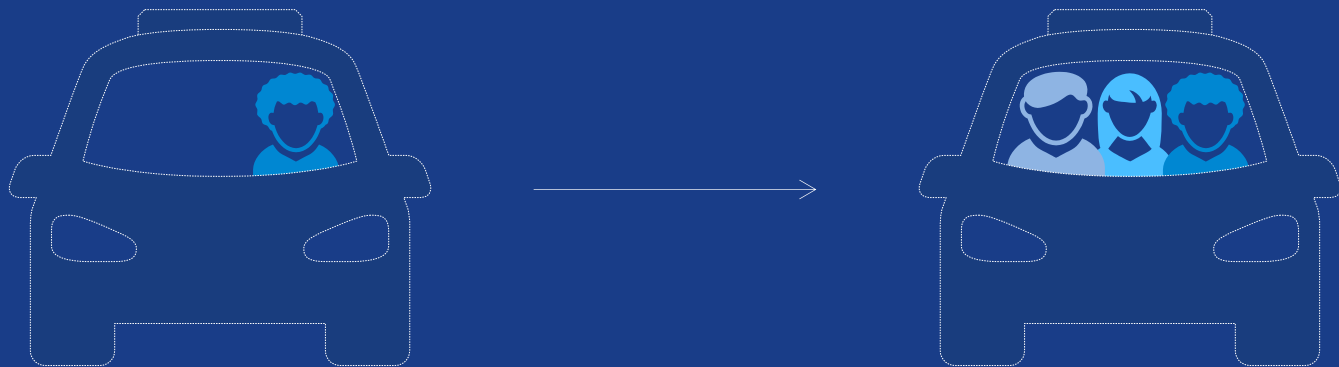
artificial intelligence



convergence



sharing

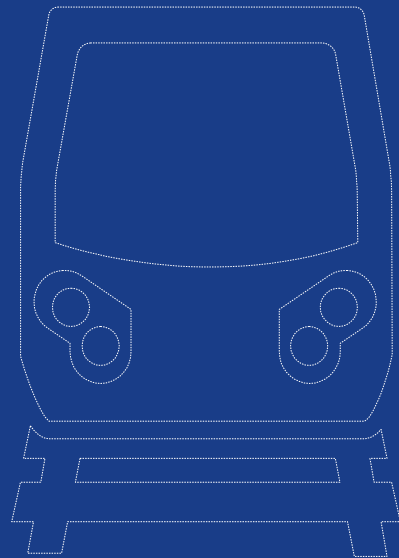




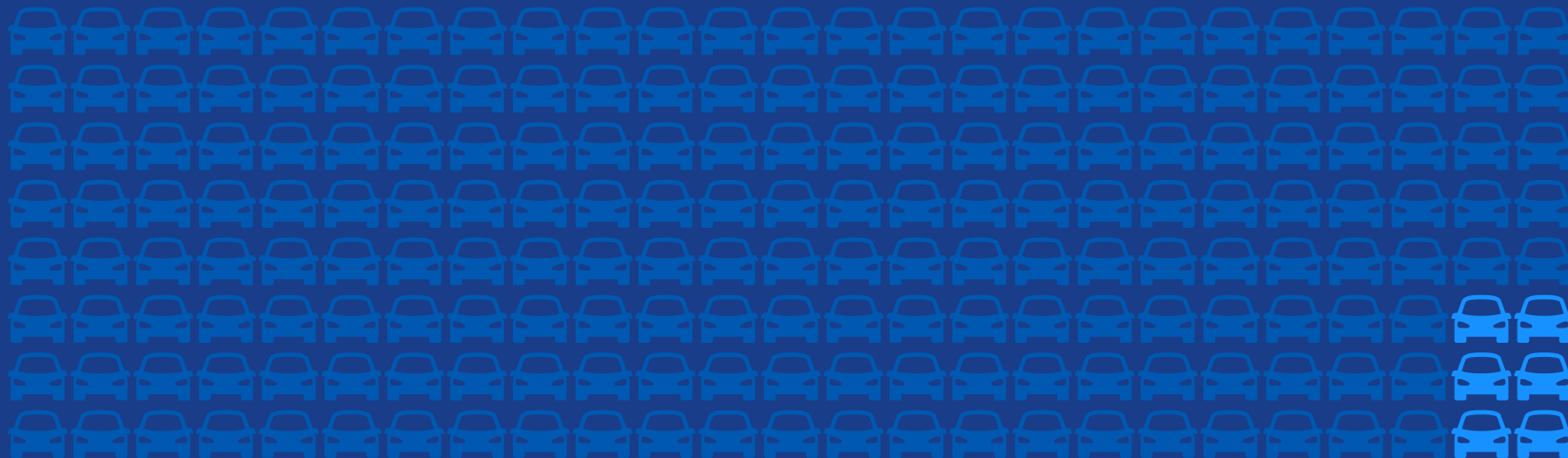
shared "taxis"
simultaneous ride-sharing



TaxiBus
optimised on-demand bus



high-capacity
public transport



Scenario: 24 hours



number of cars
required to provide the
same trips as before:

3%



eliminate
all street parking



+20%

kerb-to-kerb street space

-48% to -51%

Whole LMA

Outside center

vehicle kilometres 24hr

-62%

CO₂ emissions (LMA)

+ access

30mn access to jobs

Lisbon



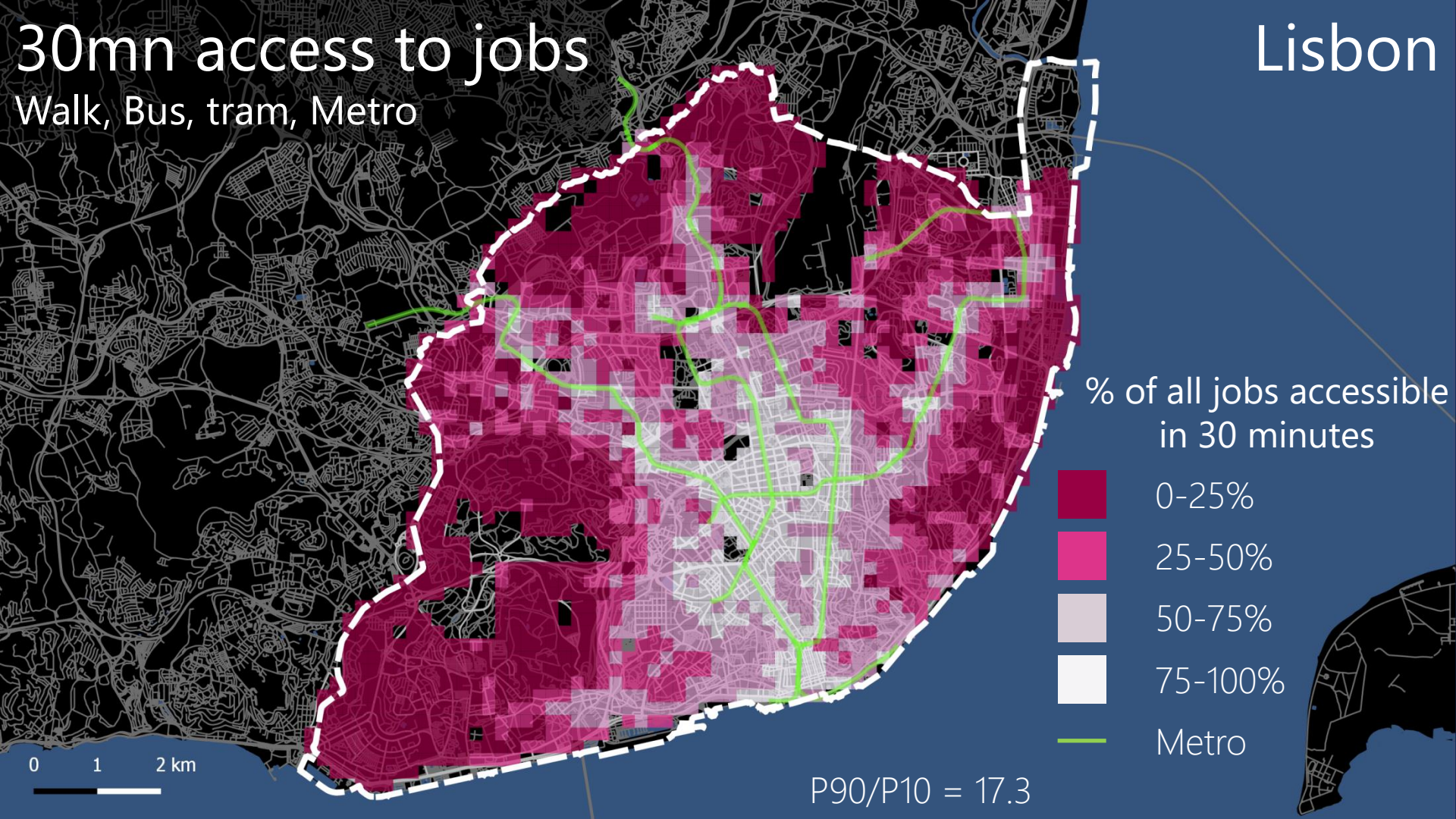
0 1 2 km

Metro

30mn access to jobs

Walk, Bus, tram, Metro

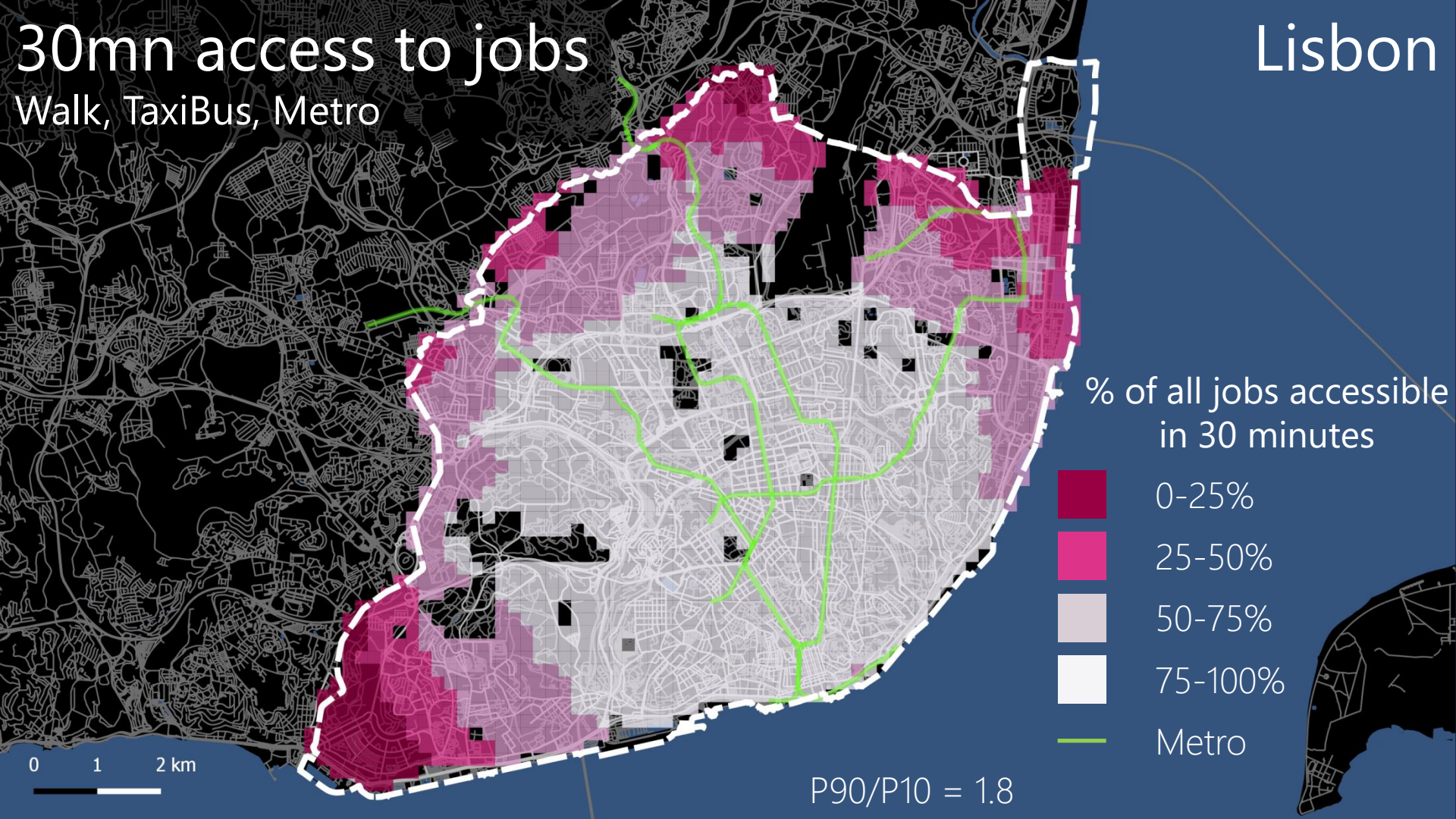
Lisbon



30mn access to jobs

Walk, TaxiBus, Metro

Lisbon



urban
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urban space syntax











mobility regulatory framework







real-time flexi-regulation



data
science



open**traffic**

Manila traffic Grab data





danke schön

