1st Key Message

More urban areas will be constructed during first 3 decades of 21st Century than all of history

2nd Key Message

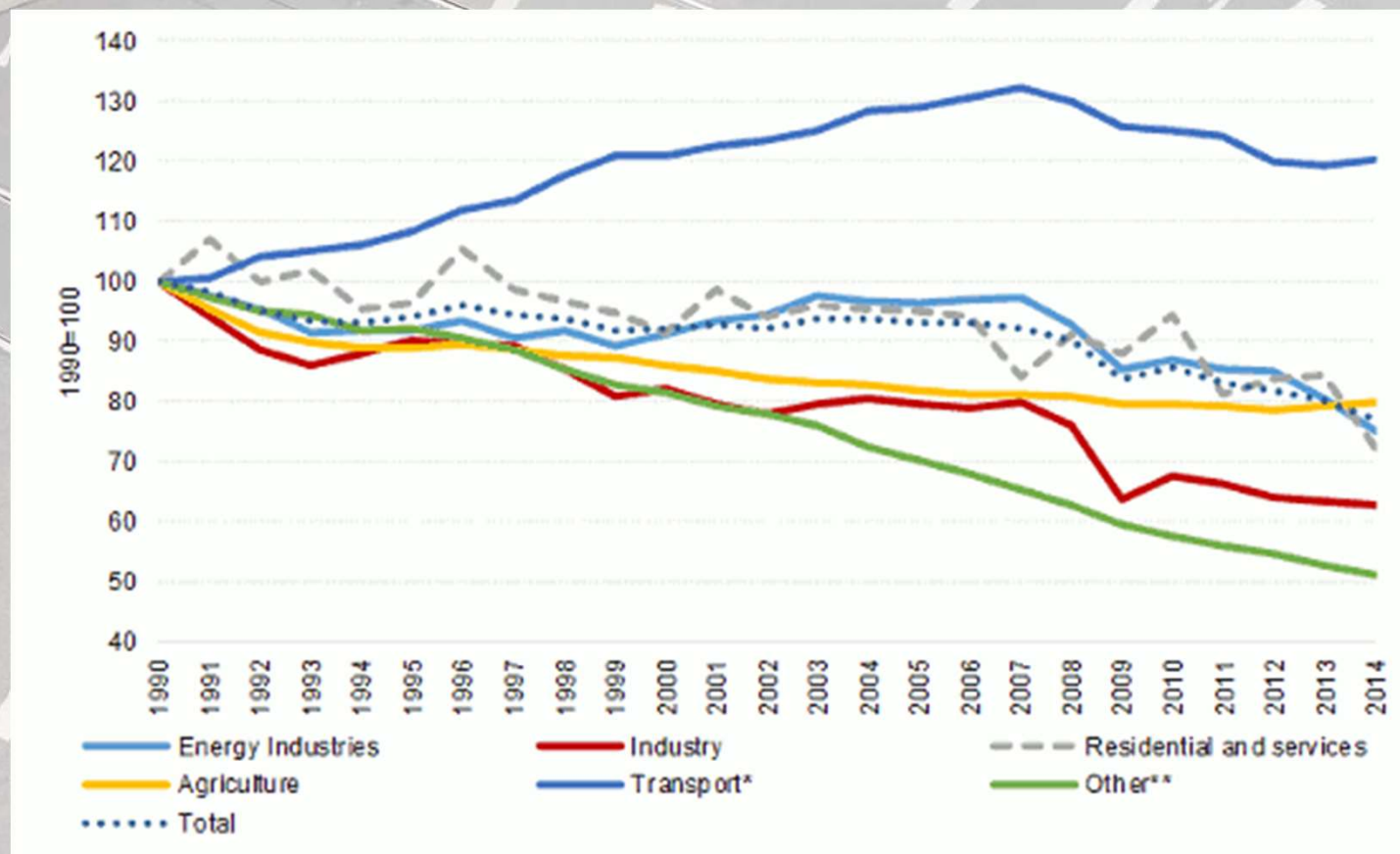Urban Transportation is the make and break of the global climate agenda.

23% of global carbon emissions
[energy-related]

61% of global oil demand
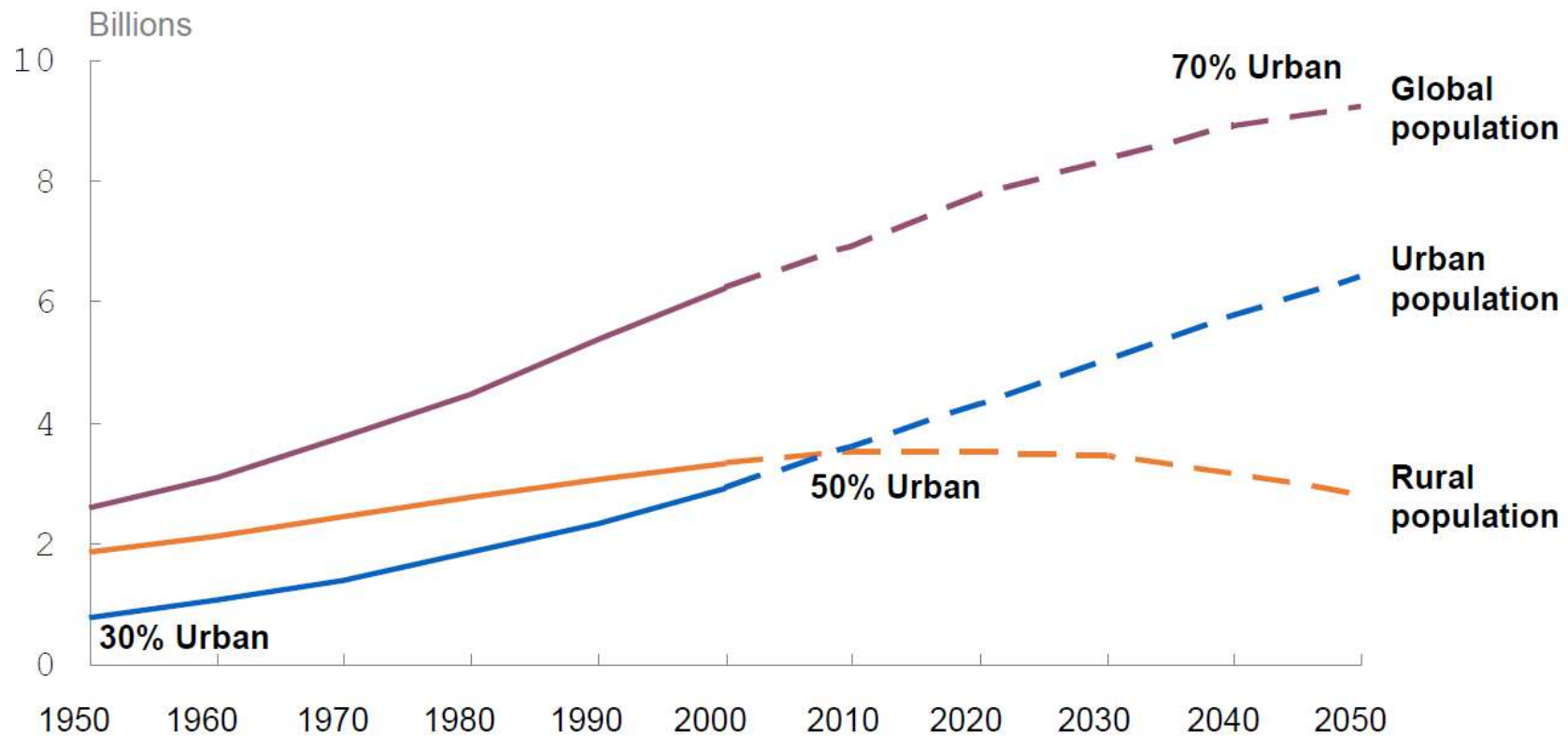
Doubling of emissions till 2050
[under BAU Scenarios]

More than 10 billion trips per day
[urban share rapidly increasing]

EU27 - growing carbon emissions only in the transport sector

Source: European Commission | EEA

The Global Urban Mobility Opportunity

The 150 largest metropolitan economies account for 14% of global population yet generate 41% of global GDP. The urbanization trend presents significant opportunities.
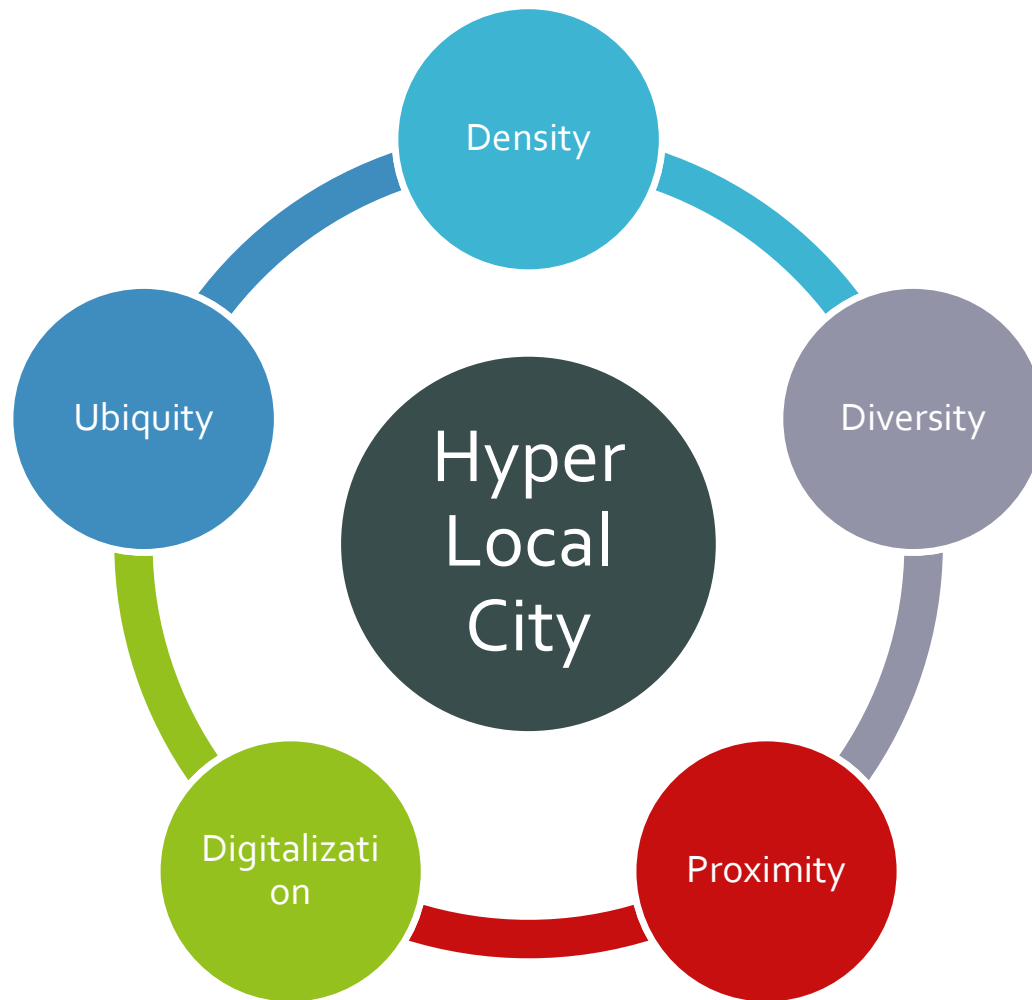
The Global Urban Mobility Opportunity

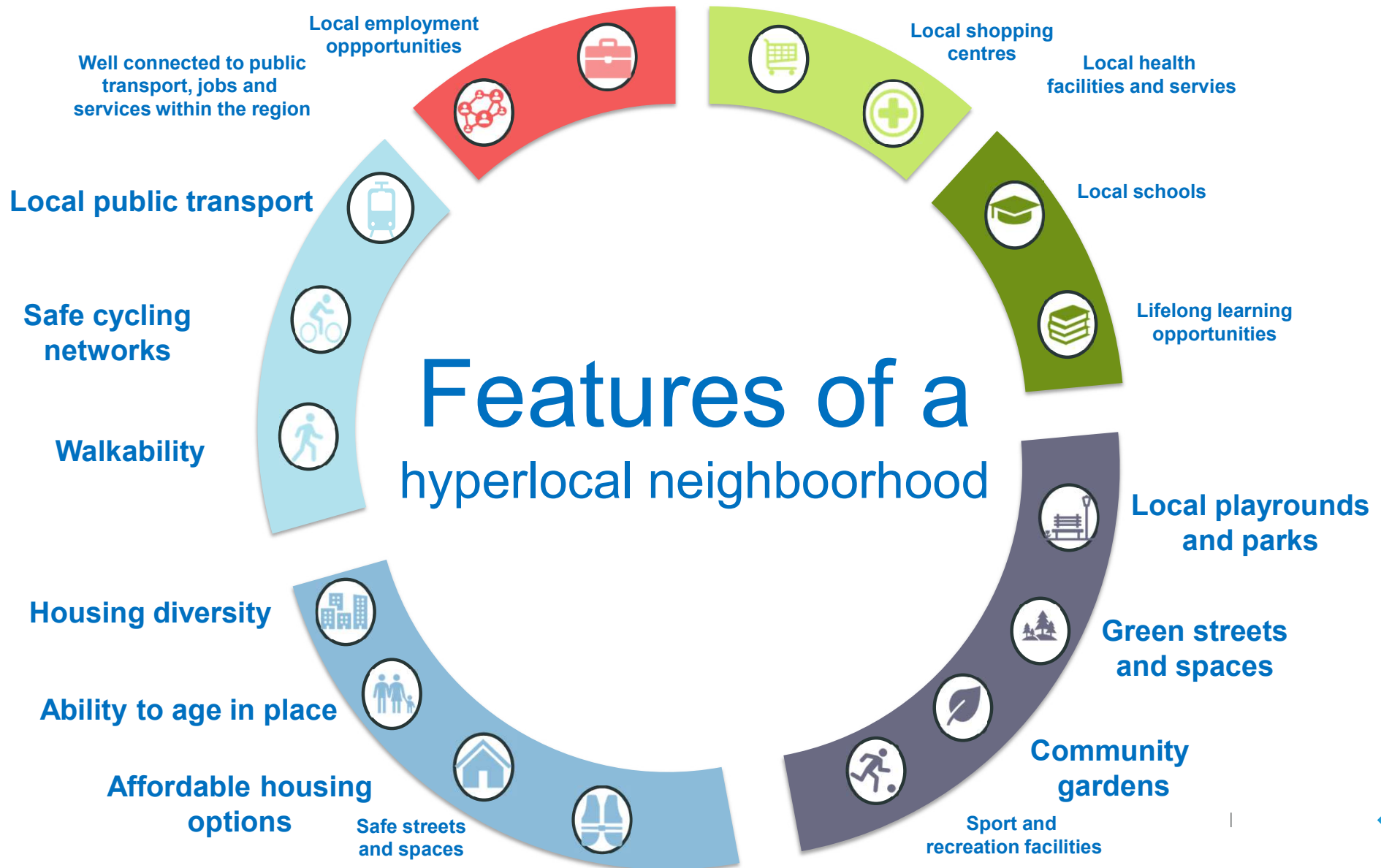# The hyperlocal city in the age of the climate crisis

Daniel Moser, Head, TUMI

TUMI

Transformative Urban Mobility Initiative

What is the hyperlocal city?

1. A city in which all residents can meet all their needs within a 15-minute walk or bike ride from their homes

2. Hyper- proximity cities prioritize multimodal transportation and pedestrians rather than cars, and every area should serve multiple purposes

3. Centers on the integration of land use and transport planning and is most successful when implemented as part of a city-wide, city-led strategy that engages strongly with local people.

4. The hyperlocal city revolves around five main principles: density, diversity, proximity, ubiquity and digitalization

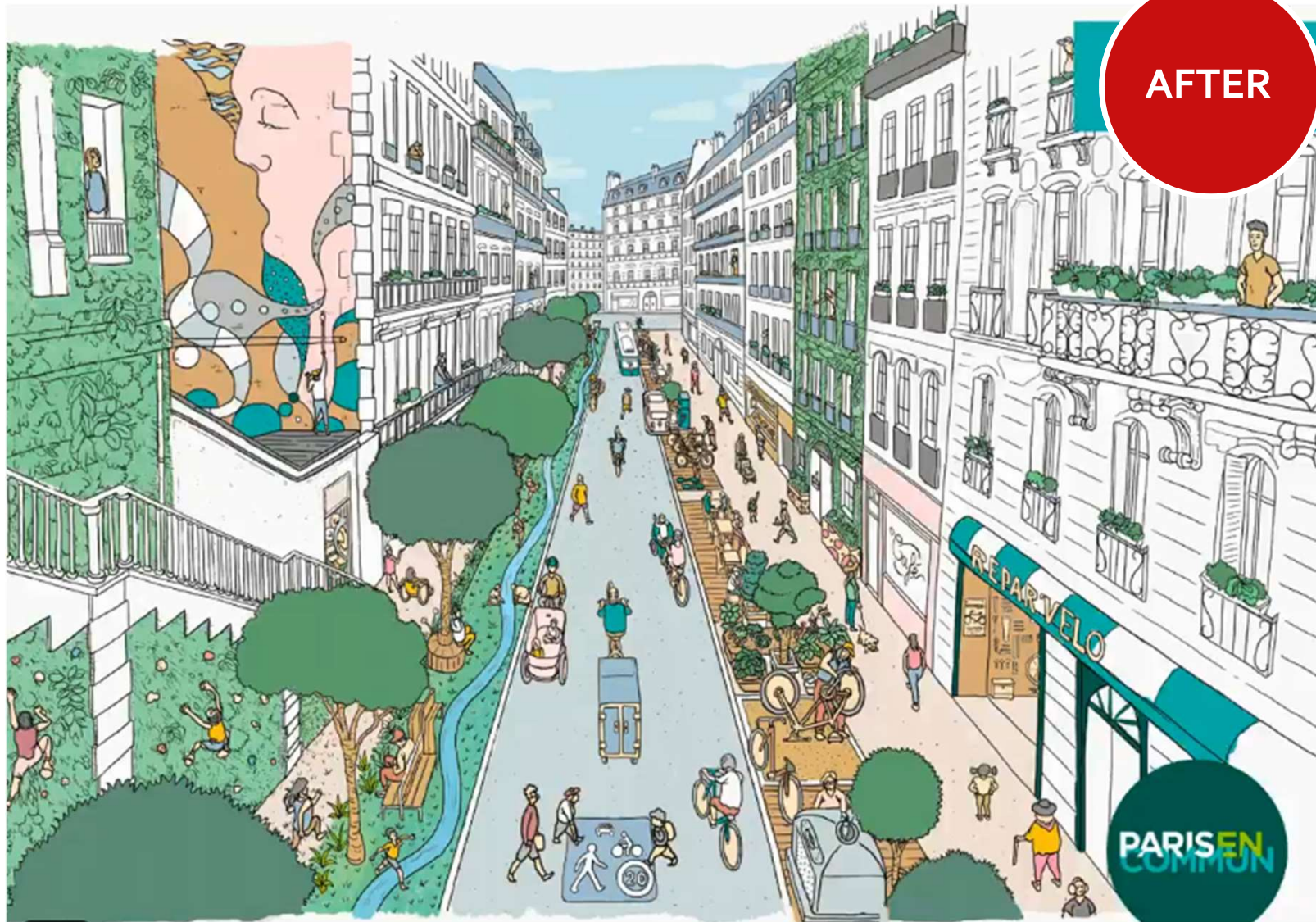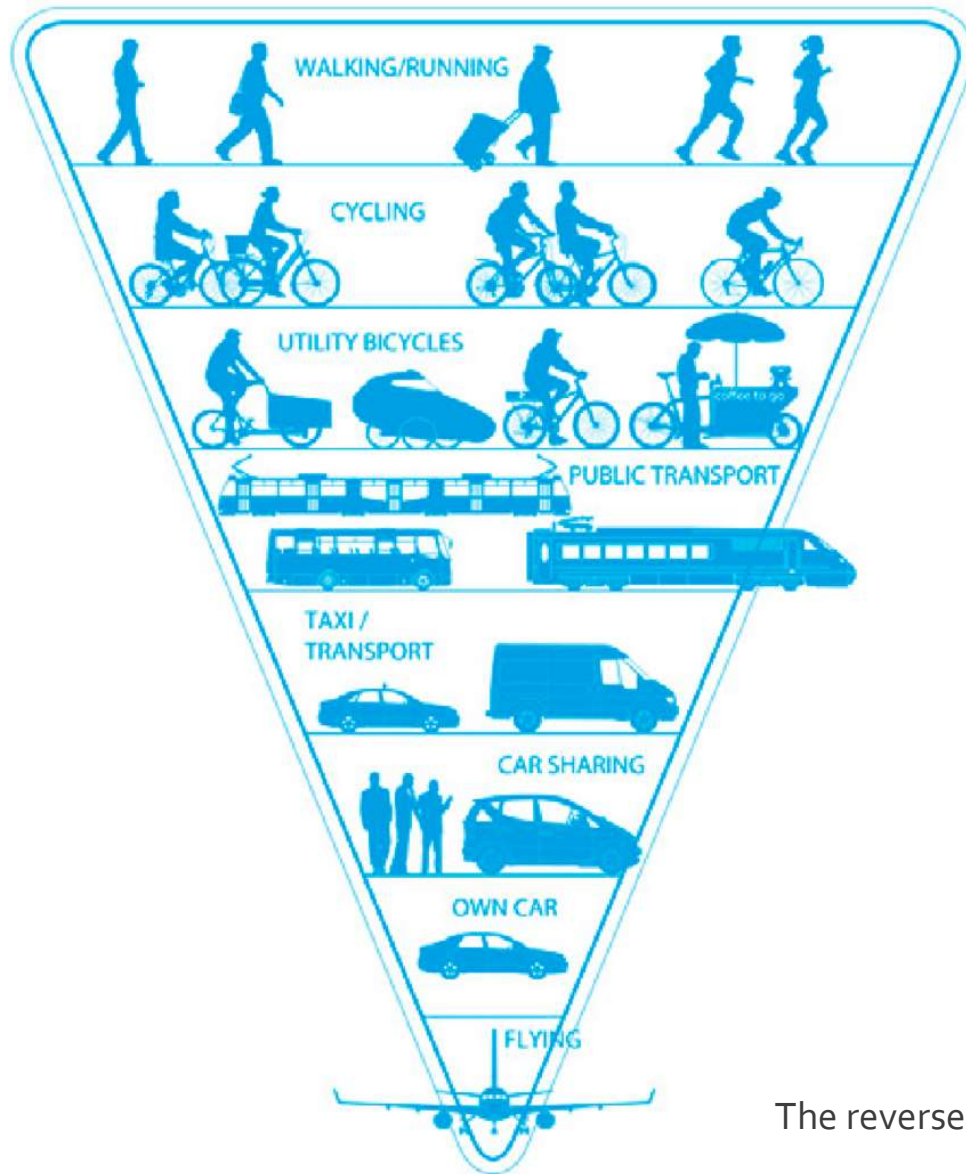# The 5 Pillars of a hyperlocal Minute City

Features of a hyperlocal neighboorhood

- Local employment oppportunities
- Well connected to public transport, jobs and services within the region
- Local public transport
- Safe cycling networks
- Walkability
- Housing diversity
- Ability to age in place
- Affordable housing options
- Safe streets and spaces
- Local shopping centres
- Local health facilities and servies
- Local schools
- Lifelong learning opportunities
- Local playrounds and parks
- Green streets and spaces
- Community gardens
- Sport and recreation facilities

Paris

TUMI
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PARIS EN COMMUN

The reverse traffic pyramid:
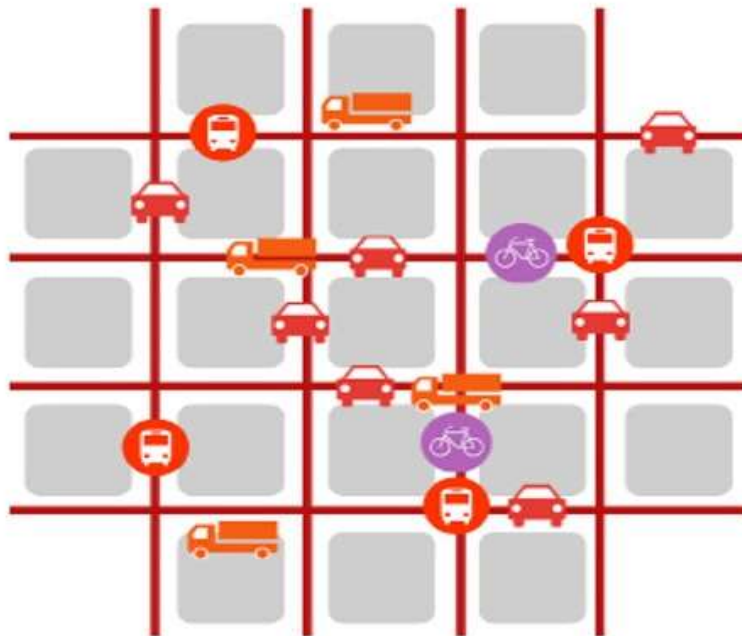Walking & Cycling are key
elements of the hyperlocal city

The reverse traffic pyramid. Source: Bicycle Innovation Lab

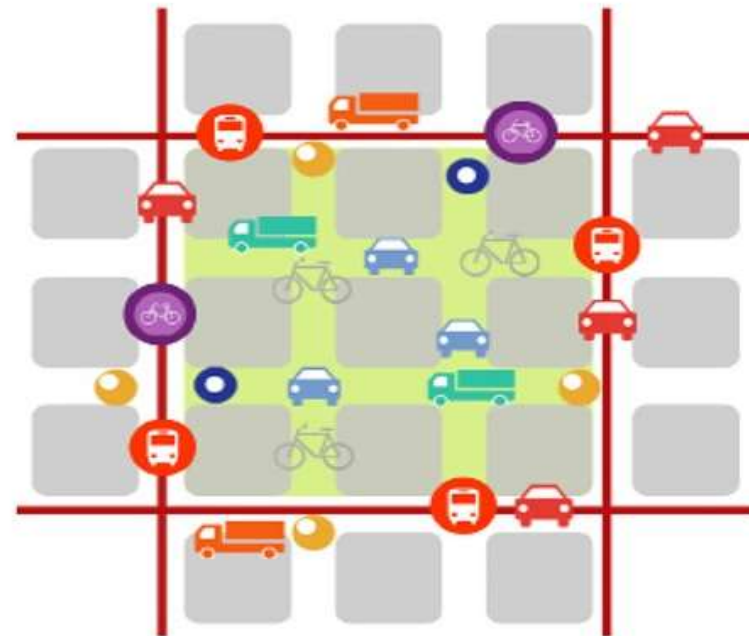Barcelona

SUPERBLOCKS MODEL

Current Model

Superblocks Model

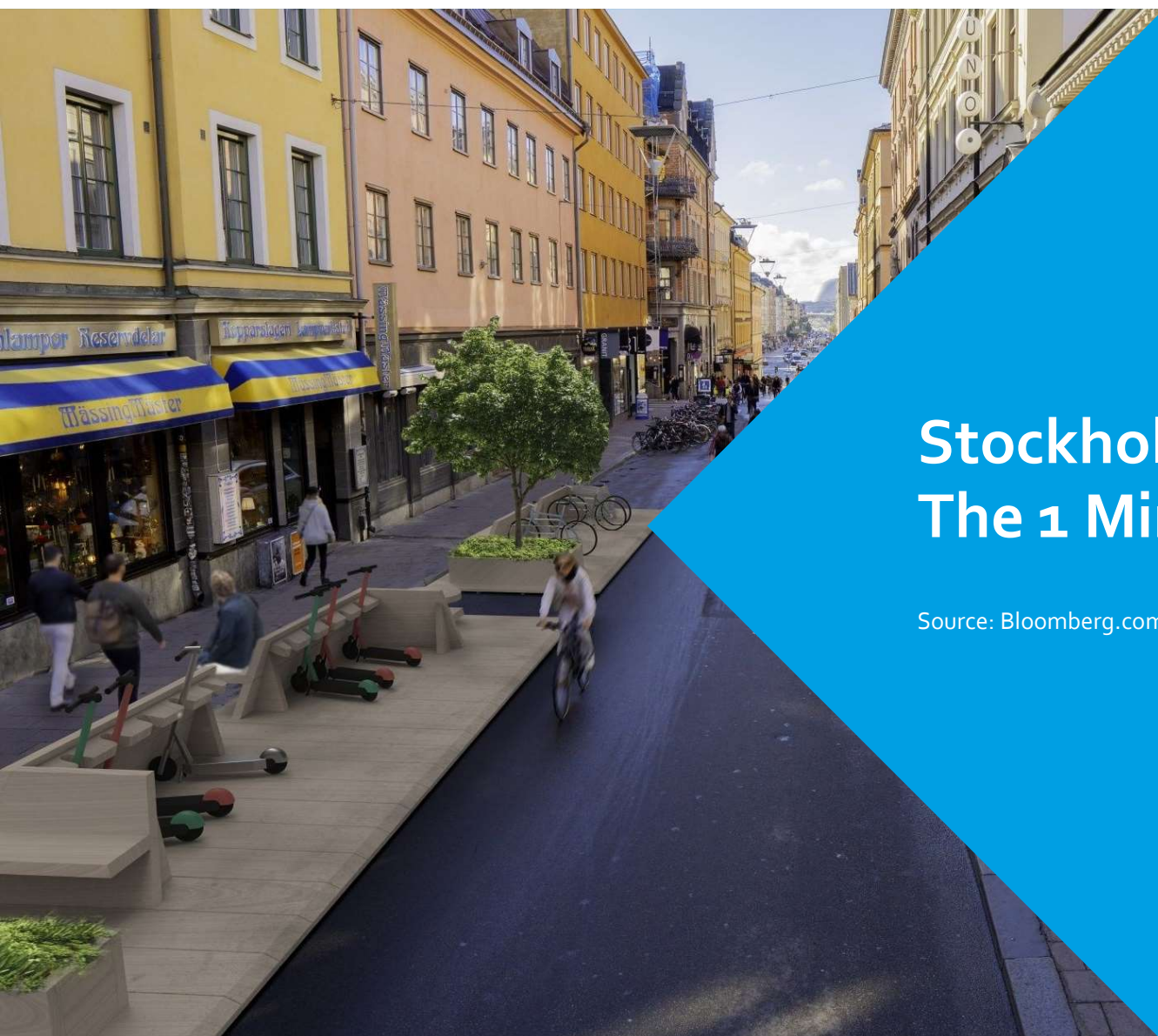|		
PUBLIC TRANSPORT NETWORK	PRIVATE VEHICLE PASSING	DUM PROXIMITY AREA
BICYCLES MAIN NETWORK (BIKE LANE)	RESIDENTS VEHICLES	ACCESS CONTROL
BICYCLES SIGNPOSTS (REVERSE DIRECTION)	URBAN SERVICES AND EMERGENCY	BASIC TRAFFIC NETWORK
FREE PASSAGE OF BICYCLES	DUM CARRIERS	SINGLE PLATFORM (PEDESTRIANS PRIORITY)

**Stockholm:
The 1 Minute City**

Source: Bloomberg.com / Photo courtesy ArkDes

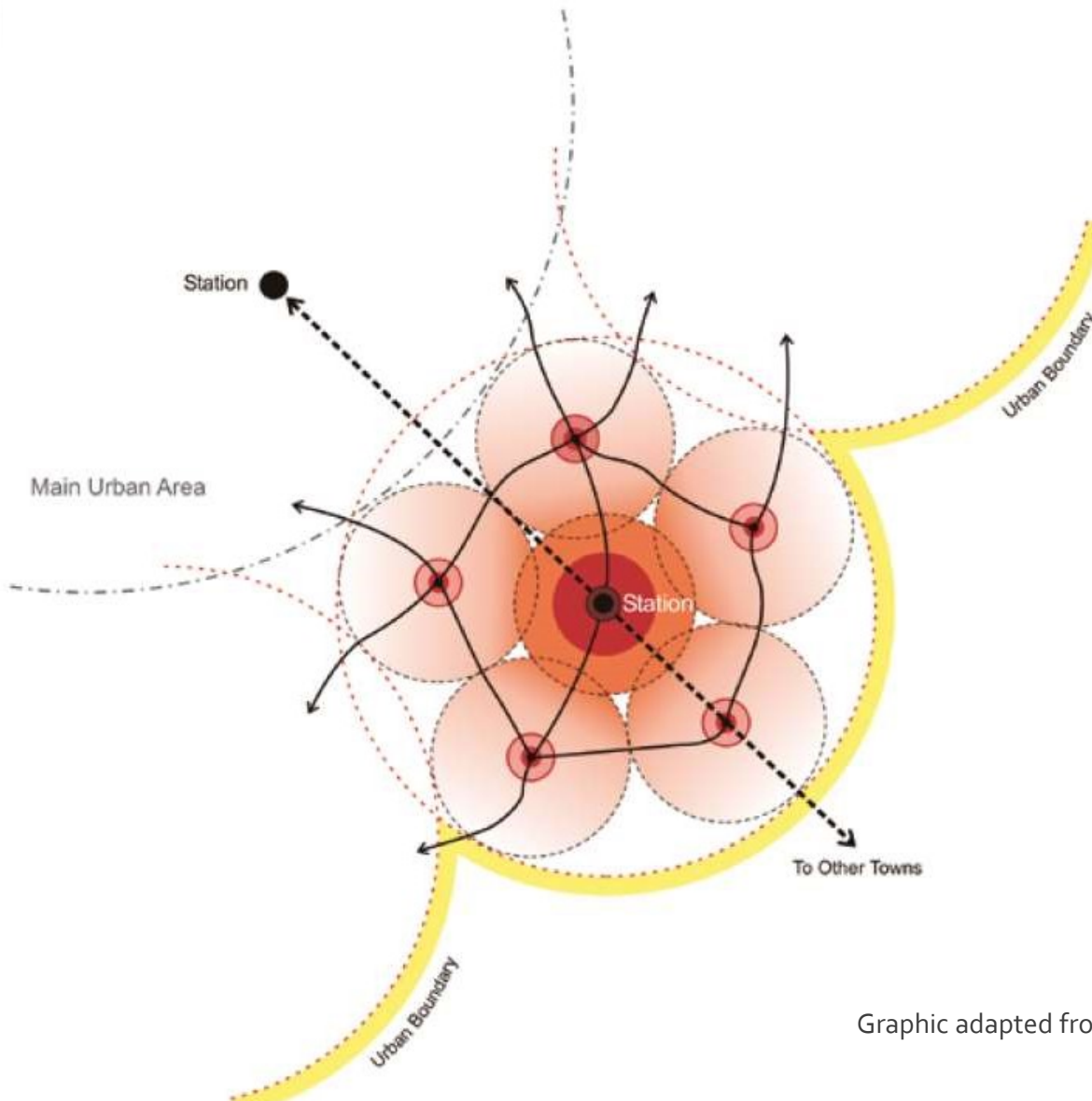Photo courtesy Utopia Arkitekter

Cycles 4 Change

Streets 4 People

Helsinki

❖Upscaling and Densification around train stations and rail corridors

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Helsinki 2.0

❖Achieving 100% population growth while elevating quality of life.

Station

Main Urban Area

Station

To Other Towns

Urban Boundary

Urban Boundary

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The Modern Metropolis is a network of connected hyperlocal neighbourhoods

Graphic adapted from: Hickman, R., et al., Planning for Sustainable Travel. Summary   Guide.
2009, Halcrow and CfIT: London.
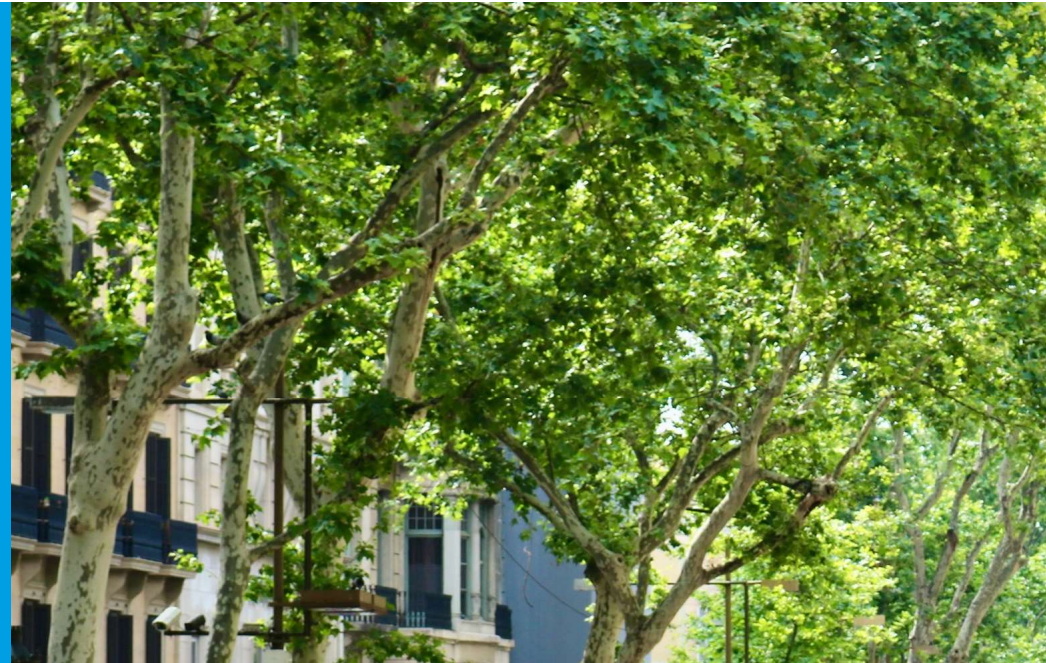
Our Futures Our Choices

The unique opportunity to design the future of our cities

1. Cities in which all residents can meet all their needs within a 15-minute walk or bike ride from their homes.

2. Cities that prioritize multimodal transportation and pedestrians rather than cars, where every area should serve multiple purposes.

3. Integration of land use and transport planning as centerpiece. Success is when implemented as part of a city-wide, city-led strategy that engages strongly with local people.

4. The hyperlocal city revolves around five main principles: density, diversity, proximity, ubiquity and digitalization

TUMI
Transformative Urban Mobility Initiative

Daniel Moser

Head
Transformative Urban Mobility Initiative

Daniel.Moser@giz.de
tuminitiative
_dmoser

Thank You!