

# Climate, Cohesion & Competitiveness

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Senior Policy Advisor  
Safety & Security +  
Governance & Integration



**Climate Resilient Cities**  
10<sup>th</sup> CIVINET Forum  
Zagreb, 13/14 November 2025

**NETHERLANDS**

Amsterdam  
 Arnhem-Nijmegen  
 Eindhoven  
 Emmen  
 Gelderland  
 Groningen  
 Helmond  
 Limburg  
 North Brabant  
 North Holland  
 Overijssel  
 Rotterdam  
 South-Holland  
 The Hague  
 Tilburg  
 Twente  
 Utrecht (City)  
 Utrecht (Region)  
 Westland  
 Zeeland (Province)

**IRELAND**

Cork  
 NTA (Dublin)  
 Limerick

**UNITED KINGDOM**

TfGM (Greater Manchester)  
 Glasgow  
 Greater London  
 London - LEPT  
 -  
 SUSTRANS

**LUXEMBOURG**

LIST

**BELGIUM**

Antwerp  
 Bruges  
 Brussels-Capital  
 Flanders  
 Genk  
 Ghent  
 Leuven  
 Mechelen  
 Schaerbeek  
 -  
 Autodelen  
 IMEC  
 KU Leuven  
 MPACT

**PORTUGAL**

Lisbon  
 NOVA Cidade

**SPAIN**

Barcelona  
 Bilbao  
 Catalonia  
 Donostia-San Sebastian  
 Gipuzkoa  
 Hospitalet de Llobregat  
 Madrid  
 Vic

**ITALY**

Bologna  
 Milan  
 Perugia  
 Pisa  
 Puglia (Region)  
 Ravenna  
 Reggio Emilia  
 Rome  
 -  
 Roma Tre University

**FRANCE**

La Rochelle  
 Lille  
 Lyon  
 Paris  
 Rouen  
 Ile-de-France Mobilités  
 Tisseo (Toulouse)  
 -  
 CEREMA  
 IEP Energies Nouvelles  
 Université Gustave Eiffel

**SWITZERLAND**

SBB

**NORWAY**

Norwegian Public Roads Administration  
 Rogaland  
 Viken  
 -  
 Molde University College  
 SINTEF AS  
 TOI

**SWEDEN**

Boras  
 Gothenburg  
 Örebro  
 Stockholm  
 -  
 RISE  
 VTI

**FINLAND**

Turku

**ESTONIA**

Tallinn

**DENMARK**

Aarhus  
 Aalborg

**GERMANY**

Baden-Württemberg  
 Berlin  
 Dresden  
 Frankfurt/RheinM  
 -  
 Hain, Hessen  
 Stuttgart  
 -  
 DIFU

**POLAND**

Czestochowa

**CZECH REPUBLIC**

Prague  
 -  
 TCDV

**HUNGARY**

BKK Budapest

**ROMANIA**

Arad

**BULGARIA**

Sofia

**CROATIA**

Koprivnica

**SLOVENIA**

Ljubljana  
 -  
 Urban Planning institute of the Republic of Slovenia

**AUSTRIA**

Vienna

**GREECE**

Thessaloniki  
 -  
 CERTH

**TURKEY**

Bursa

**CYPRUS**

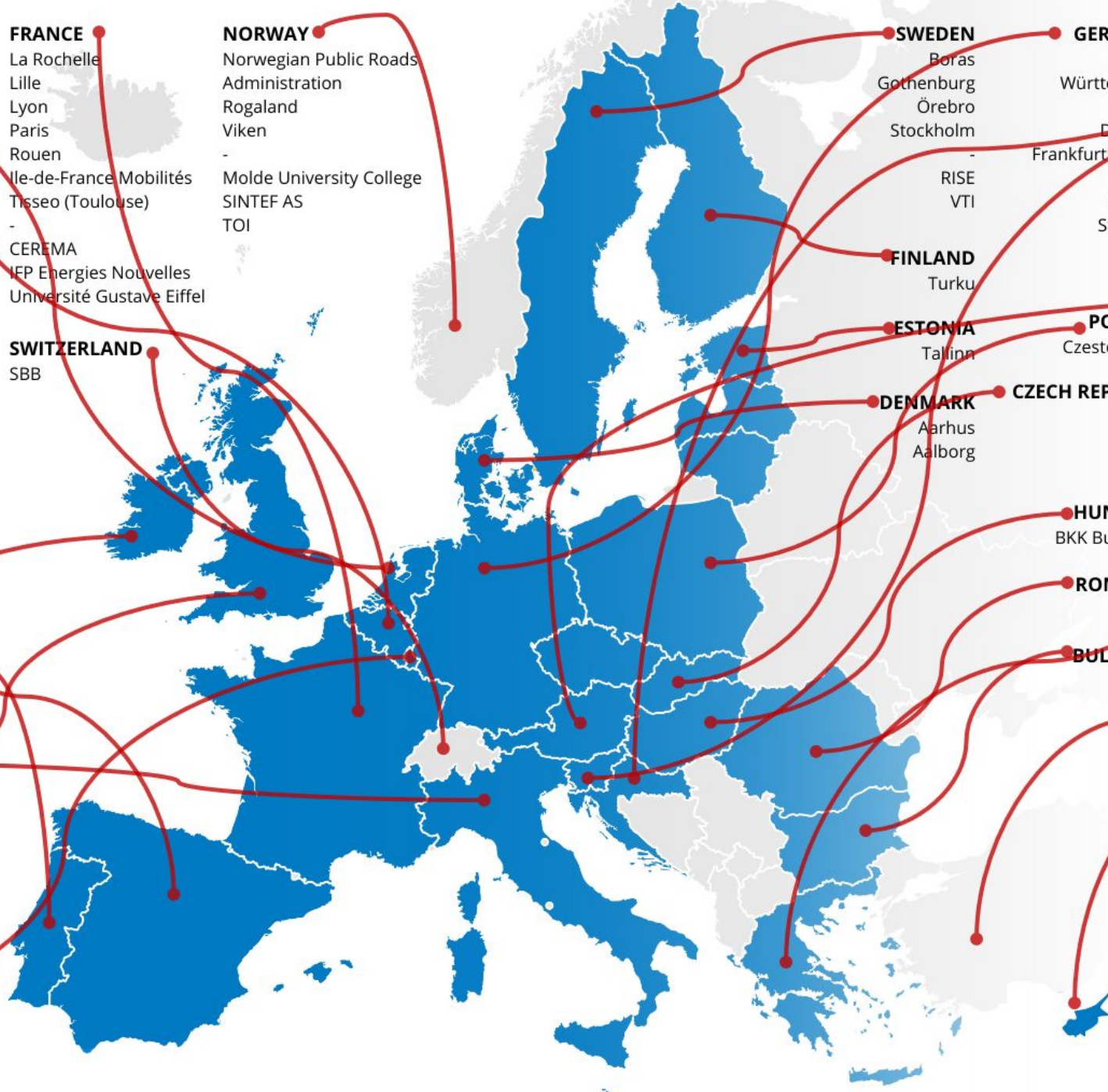
Strovolos

**ISRAEL**

Jerusalem  
 Technion

**USA**

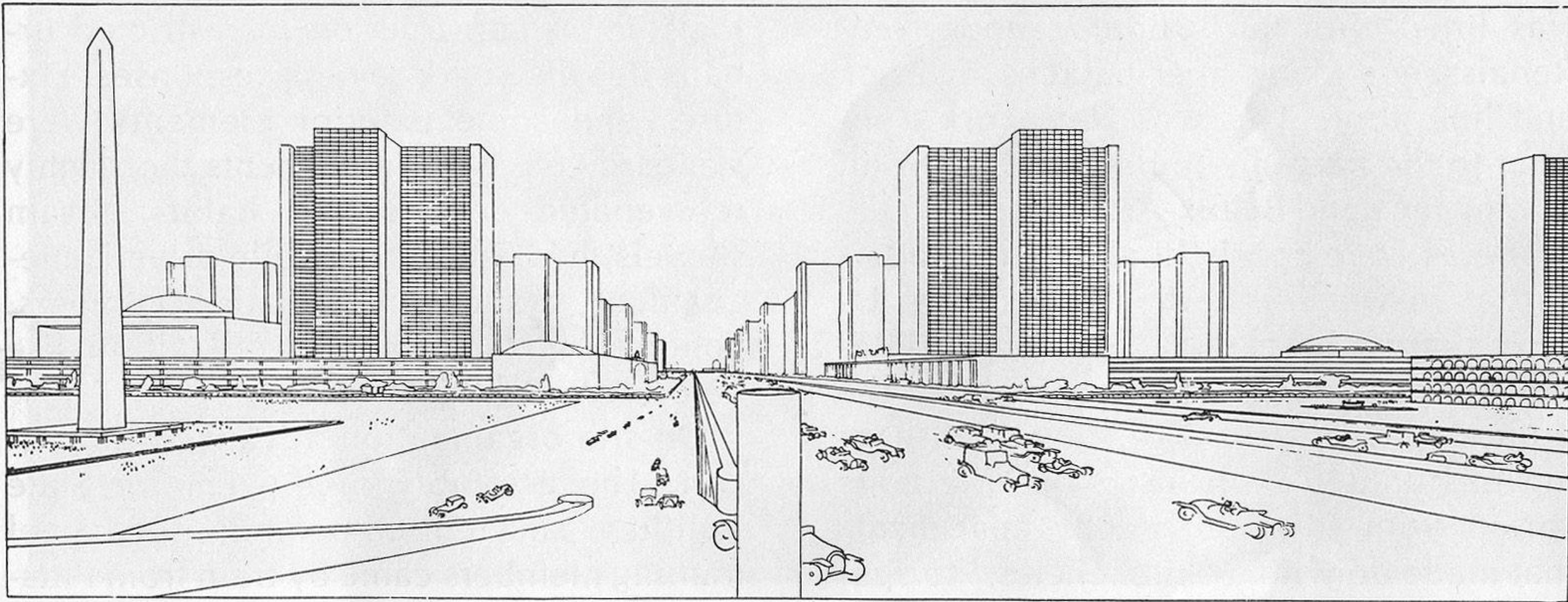
MobilityData  
 Open Mobility Foundation



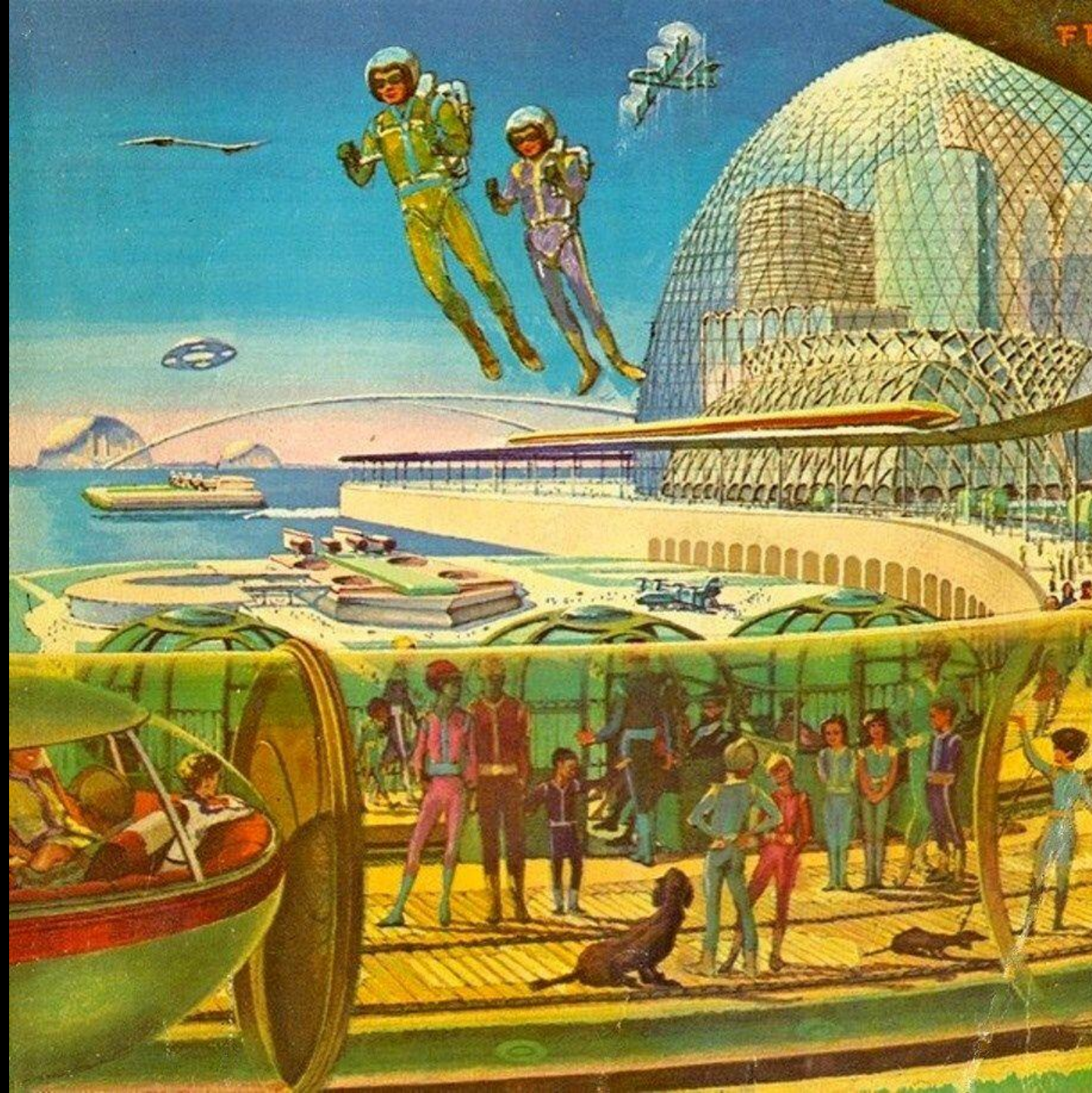
“There is nothing more difficult... than to take the lead in the introduction of a new order of things.”

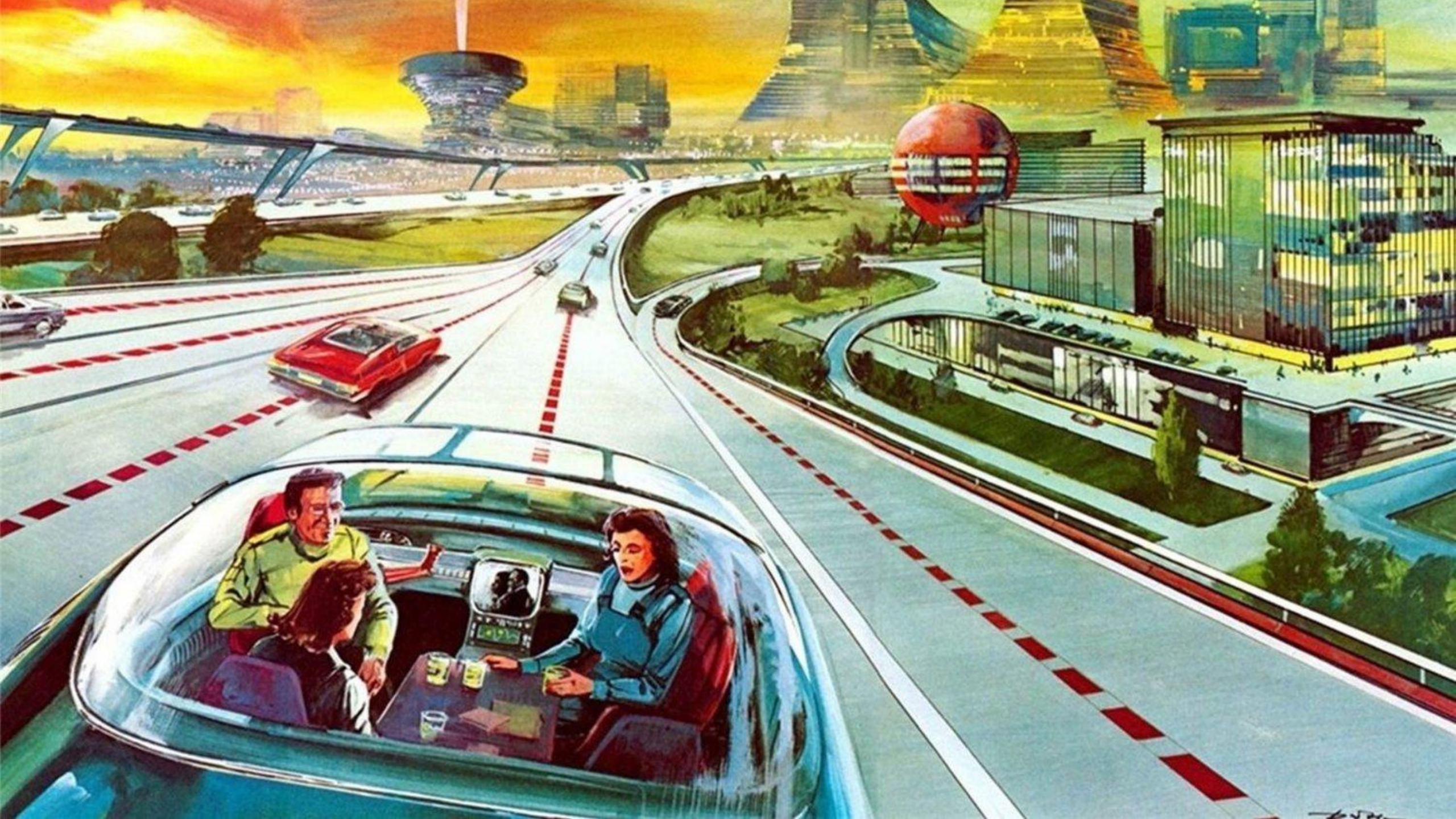
Niccolò Machiavelli (1469-1527)

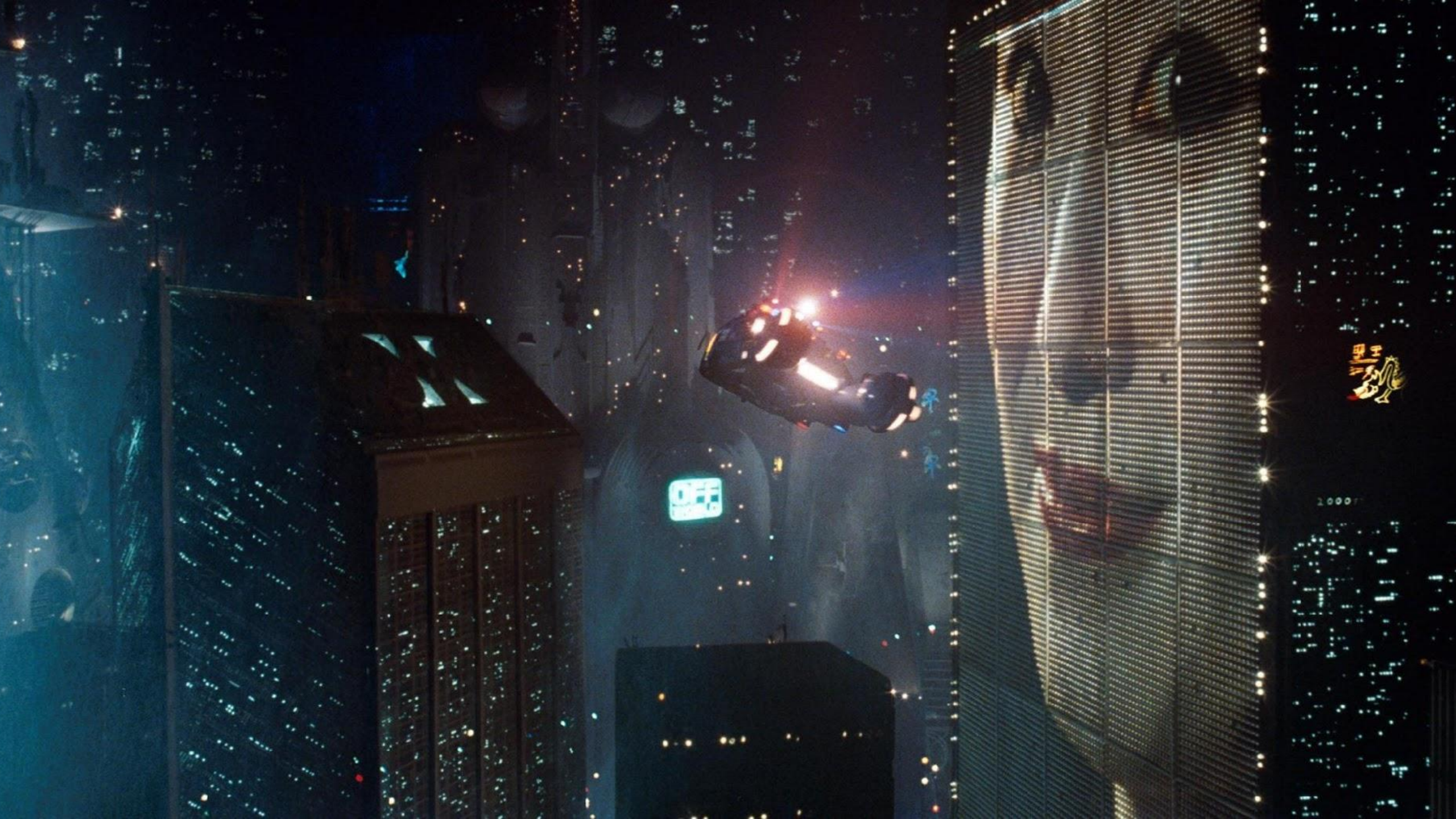




Le Corbusier, *La Ville  
Radiuse*









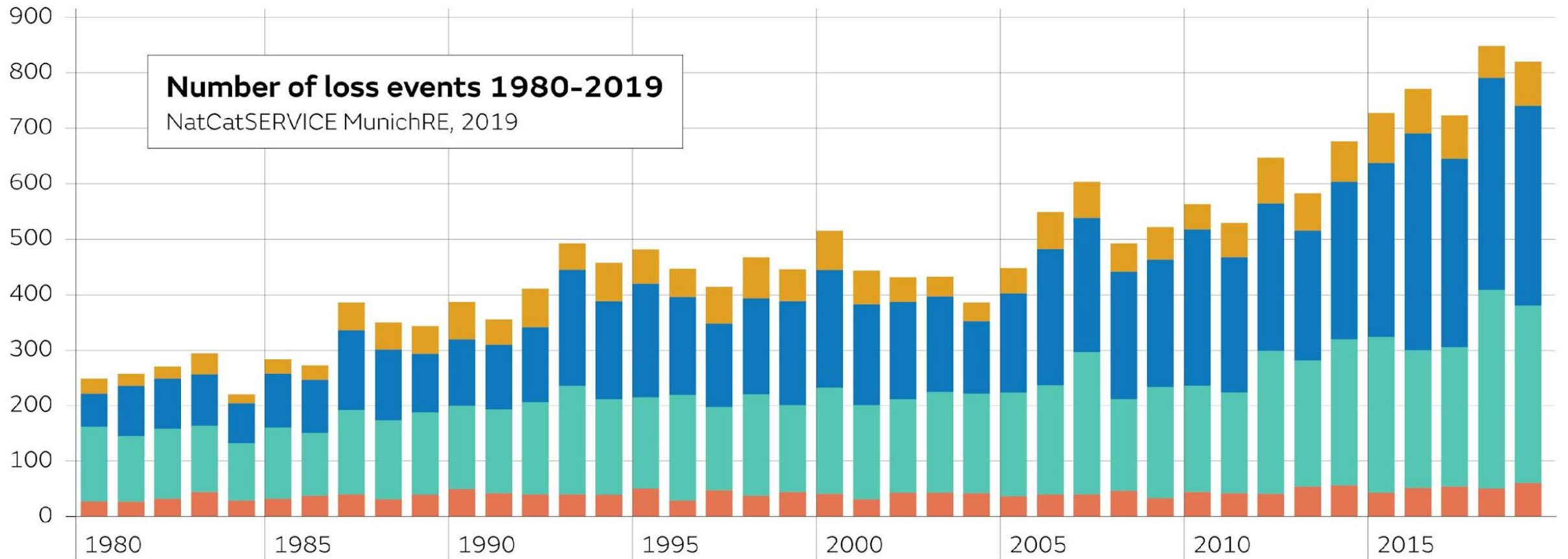
Streets of  
our future?



Valencia (Spain), October  
2024



Valencia (Spain), October  
2024



**Geophysical events**

Earthquakes, tsunamis,  
volcanic activity

**Meteorological events**

Tropical storm, extratropical storm,  
convective storm, local storm.

**Hydrological events**

Flood, mass movement.

**Climatological events**

Extreme temperature,  
drought, wildfire.

Global increase in natural catastrophes and the  
proportion of insured losses since 1980: MunichRE



Photo: Paulo Pimenta/  
Público



John Edelson, Getty Images,  
in Wired, 2018



Paris, panneaux de signalisation pour la forte chaleur



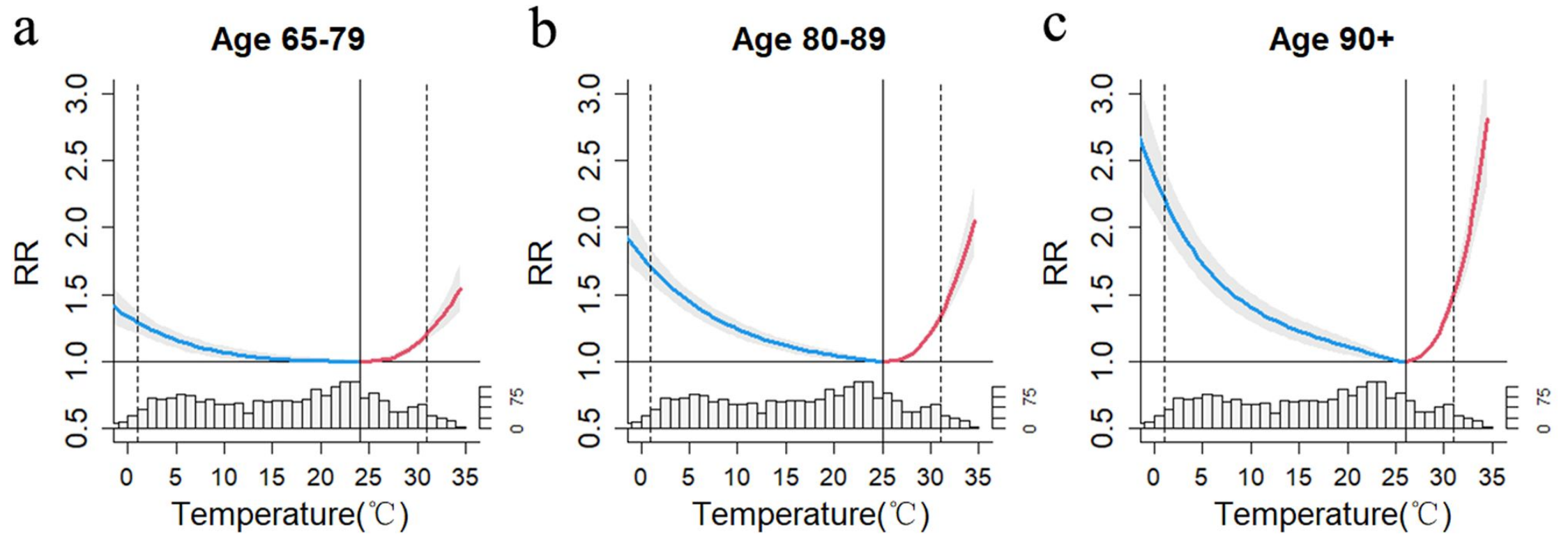


Fig. 1: Baseline exposure–response relationship between temperature and mortality for the elderly of Nantong City

From: [Projection of temperature-related mortality among the elderly under advanced aging and climate change scenario](#)

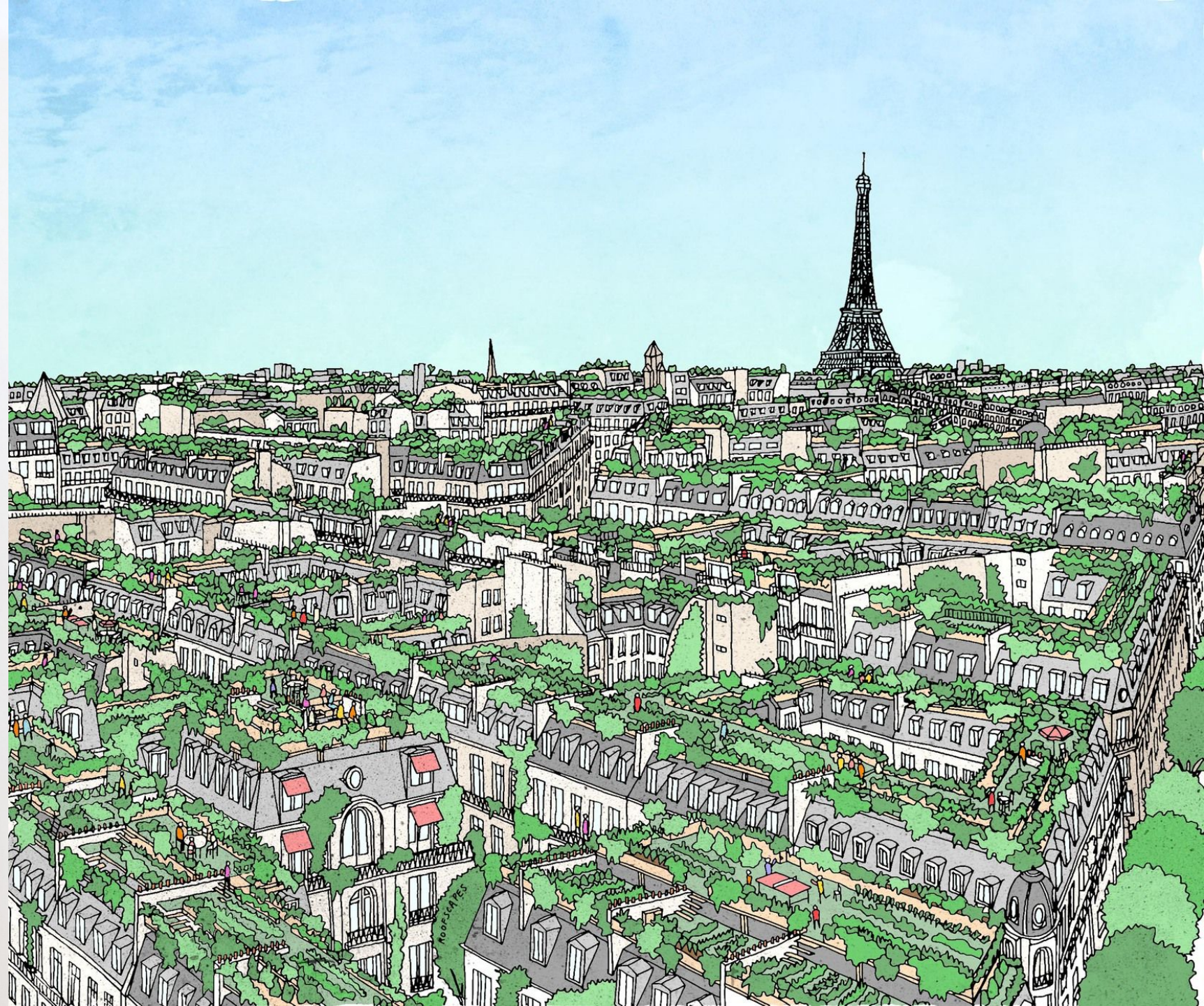




Photo: Melissa & Chris Bruntlett,  
Seoul



Images: Roofscapes Studio



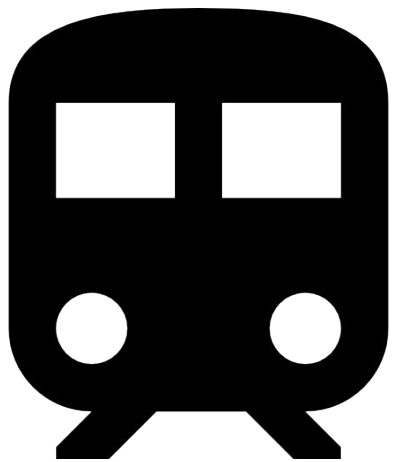








# Diversity in Traffic













**EVRi**  
delivery made for you

PARCEL  
DELIVERY  
that doesn't  
cost the  
EARTH

**ZERO**  
emission  
final mile  
delivery

**EVRi**  
delivery made for you

I can  
use the  
bike lane

Powered by  
**RYDE**

I can use  
the bike lane

Powered by  
**RYDE**

DOMINOS

TOTTENHAM

RYDE  
RYDE  
RYDE







Photo: Daniel Szigeti,  
2020







An orange panel on the left side of the mailbox unit. It features the PostNL logo, which consists of a white crown icon above the text "postnl" in a white, lowercase, sans-serif font. The logo is enclosed within a white, irregular, rounded shape.

A grid of grey mailbox compartments. The grid is composed of several rows and columns of rectangular compartments. On the right side of the grid, there are several white icons: a "24/7" icon in a rounded square, an icon of a box and an envelope, and a blue icon with the letters "on" in white.







CAFE CHIADO

DESIGNADOS  
DE JUNHO A  
GRANDE QUINZENA



Images: Ford Motor Company





ACTION

MANGO

MANGO

Krudivat

fnac

H&M

FESTINA  
13:11

GRUPANA  
A LOUER - YE HAJR  
02 514 40 00

CAMARU

CAMARU

MANGO

K

CITY  
RETI  
ZLASS  
02 892

H3  
Historie d







**50 km/h**  
**50 m<sup>2</sup>**



**30 km/h**  
**20 m<sup>2</sup>**



**4 km/h**  
**3,6 m<sup>2</sup>**



# Transport Poverty









京K 81560

京P HY279

京N 55593

京J W1755

京Q K1K36

京K K7191

京B 02718

京Q 57E56

京P 5L560

京A 210P8

京AM 8079



Schoolstraat  
Uitgang  
Verlaat



BUSES  
TO BOURNEMOUTH

DURBECK  
BREEZER

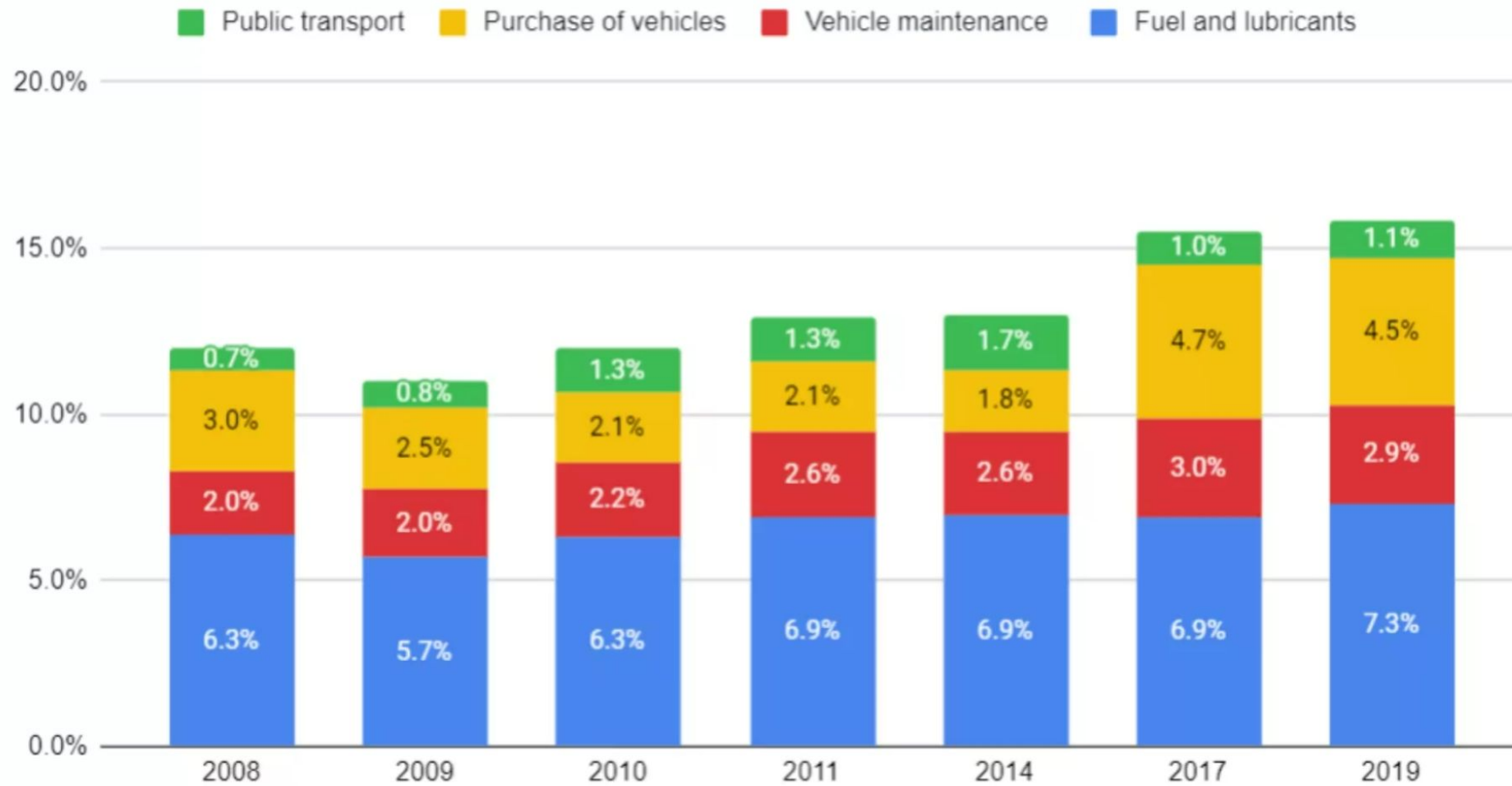
50

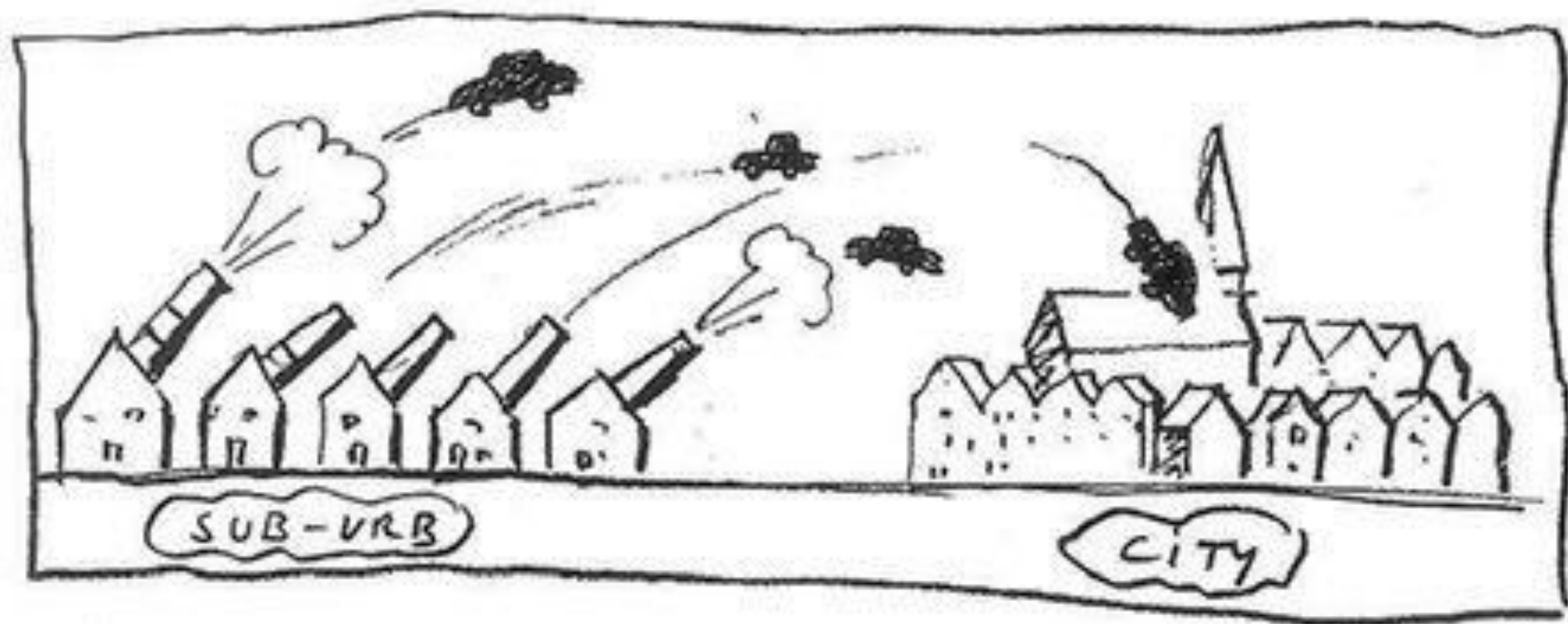
NO SMOKING





## Transport expenditures as % of total household expenditures, 2008.–2011., 2014., 2017., 2019. (DZS)





SUB-URB

CITY

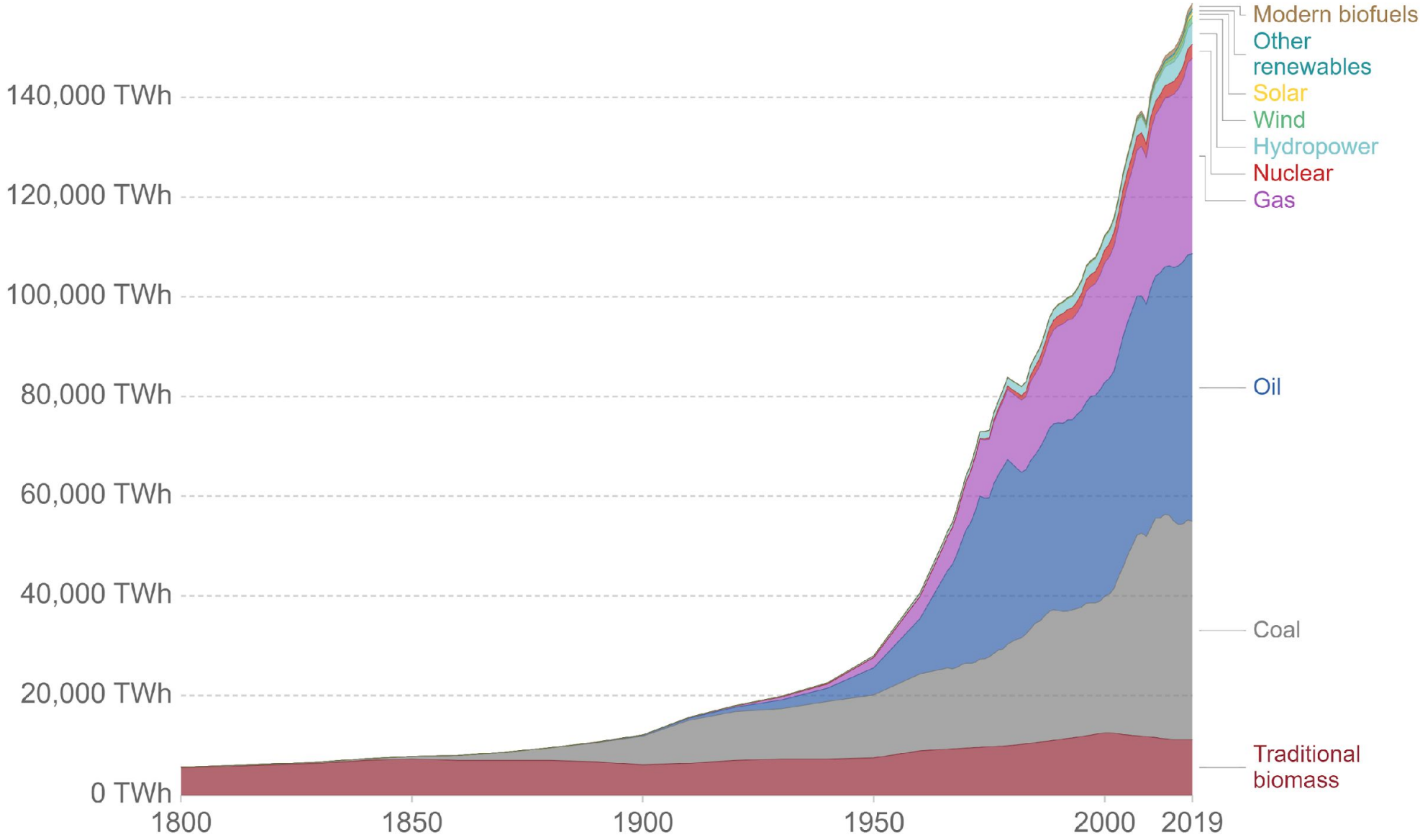






# Global direct primary energy consumption

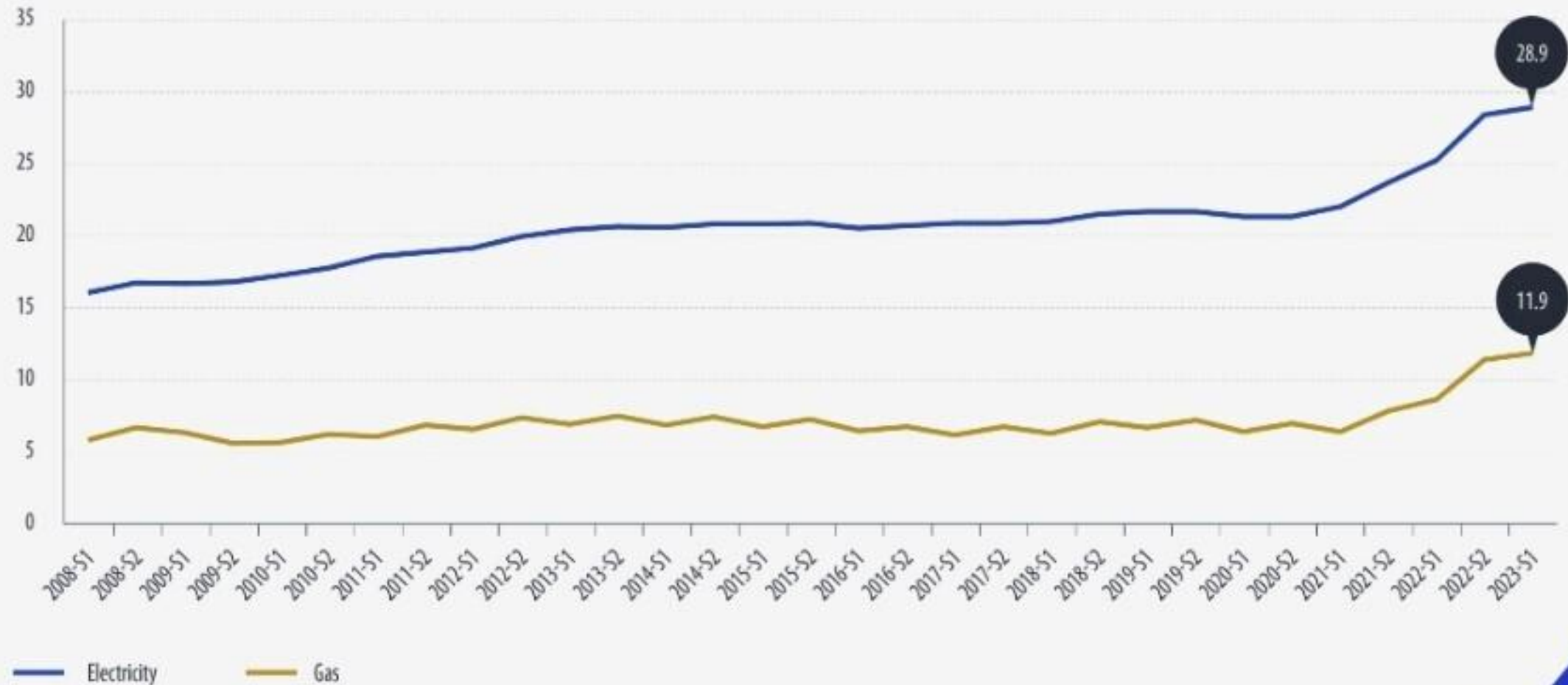
Direct primary energy consumption does not take account of inefficiencies in fossil fuel production.



Source: Vaclav Smil (2017) and BP Statistical Review of World Energy

## Evolution of household consumers' electricity and gas prices in the EU, 2008-2023

(in € per 100 kWh, all taxes and levies included)







la libreria del Mare

Broletto  
CAUDALIE  
Innovazione  
Collagene  
Vegano  
N°9

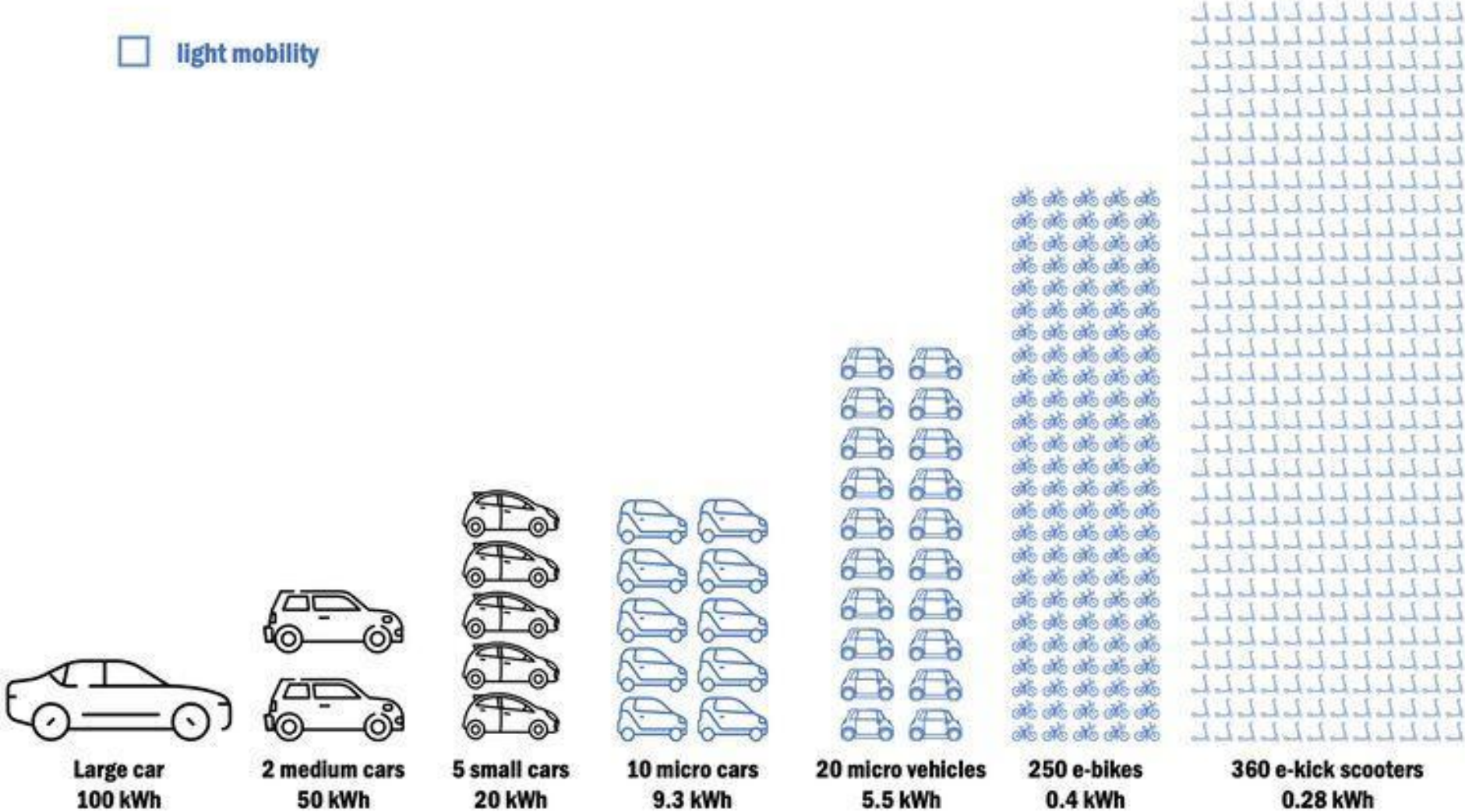
Ladies Nail

Ladies Nail

la libreria del Mare



Figure 5. Number of car and light mobility vehicle batteries that can be produced instead of a 100 kWh large-car battery pack



Source: ITF calculations and Bigo (2022).



# Private Capital & Innovation





**Cliquez,  
Roulez,  
Économisez !**

GRAND  
BOURG  
AGGLOMÉRATION

BlaBlaCar  
Daily



**Covoiturez,  
vous serez payé !**

Avec l'application BlaBlaCar Daily, votre Agglomération rémunère jusqu'à 100 € par mois, vos trajets du quotidien.

Plus d'informations sur [grandbourg.fr](http://grandbourg.fr)

FRANCE  
NATION  
VERTE



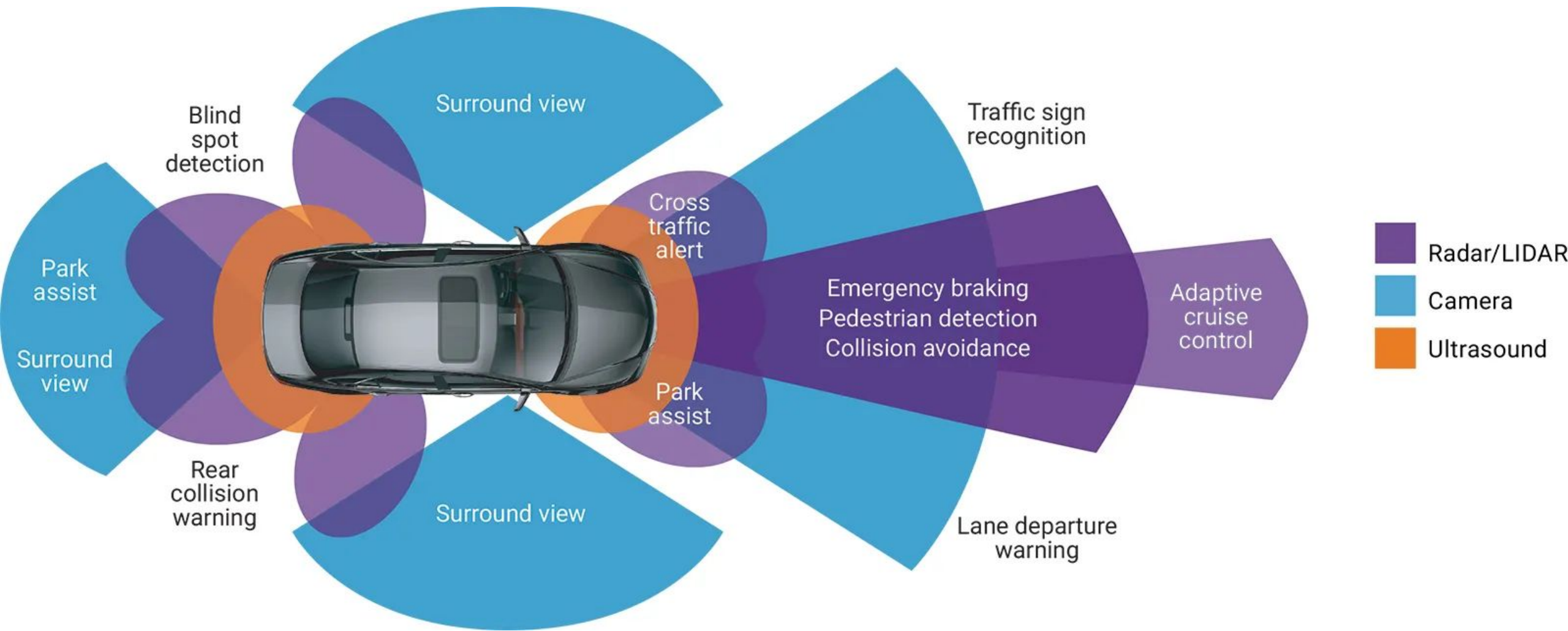






eruisse

Bolero





Line 328B

EASY MILE

B LA 8051

T...

BERLIN

BVG

BERLINER  
FELDWEINER

Blue circular sign with a white 'P' and a blue wheelchair symbol.

UPS logo



**So now...  
What?**



**Climate**

**Cohesion**

**Competitiveness**

**« If one does not know to  
which port one is sailing,  
no wind is favorable. »**

Seneca (5 BC - 65 AD)



富嶽三十六景 神奈川沖  
浪裏

舟は浪にまかす





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Cluster Lead, Safety & Security

Cluster Lead, Governance & Innovation

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