



2D - Micromobilities

A Tsunami for sidewalks
or an opportunity to
rethink what sharing
the road is all about?

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Urbanism Next Europe

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**INTERNATIONAL
FEDERATION OF
PEDESTRIANS**





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PEDESTRIANS

Members 2021

~40 Countries

~50 NGOs





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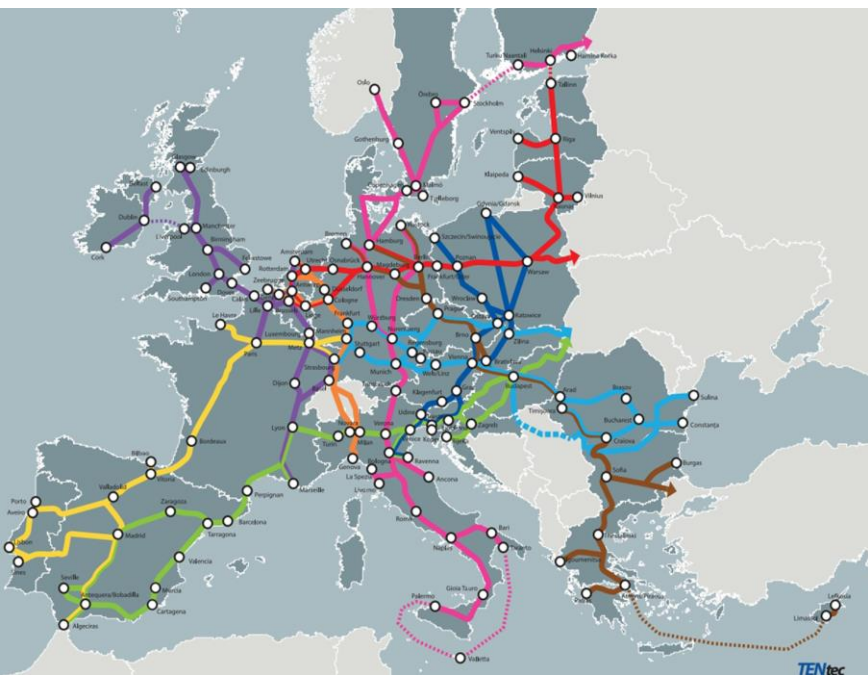
Multimodal Optimisation
of Roadspace in Europe

MORE: Multi-modal Optimisation of Roadspace in Europe

Improving the efficiency and effectiveness of the main roads that feed traffic to/from the interurban road links of the **Trans-European Transport Network (TEN-T)**.

New concepts, tools and processes which will be developed and tested in **five cities**: Budapest, Constanța, Lisbon, London, and Malmö

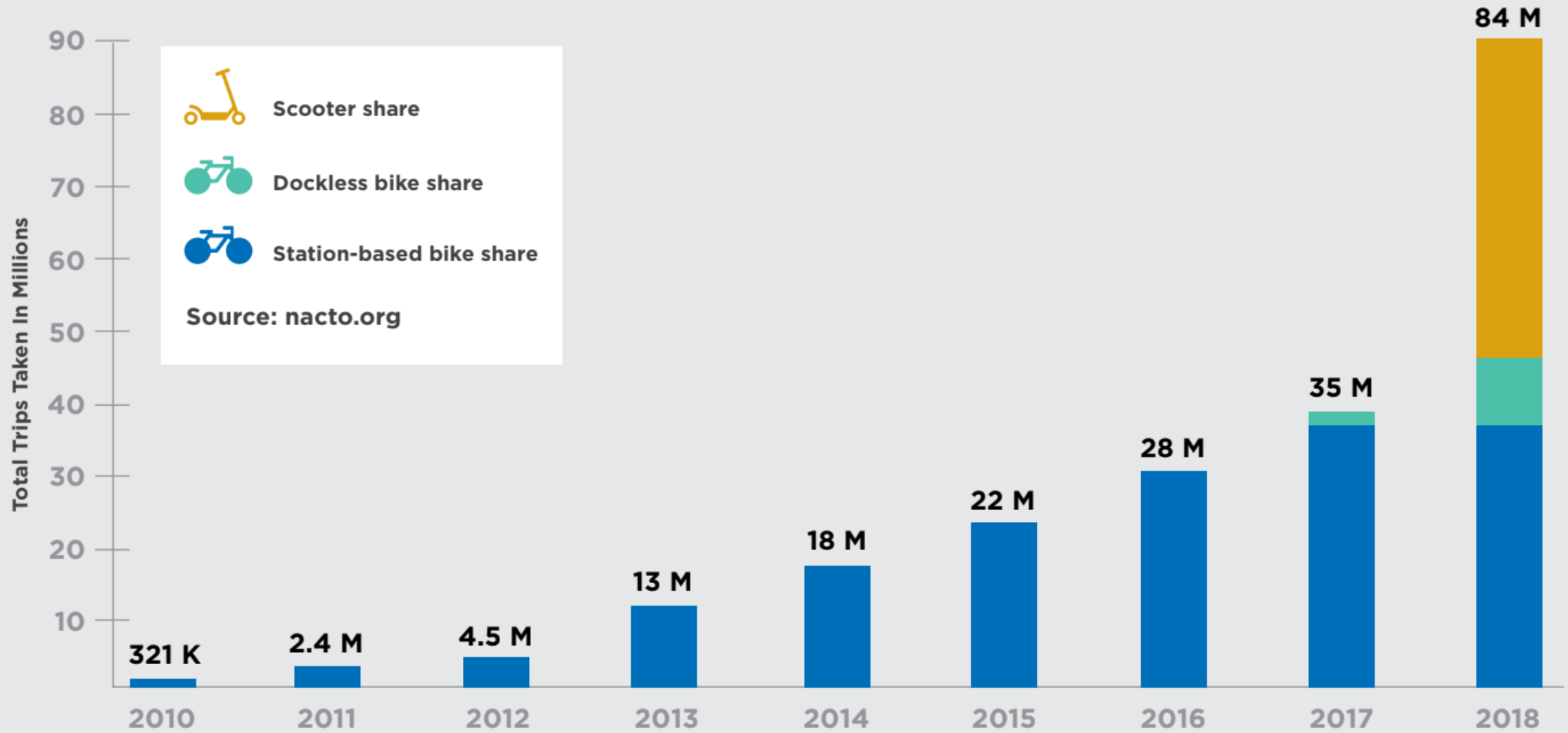
www.roadspace.eu





USA

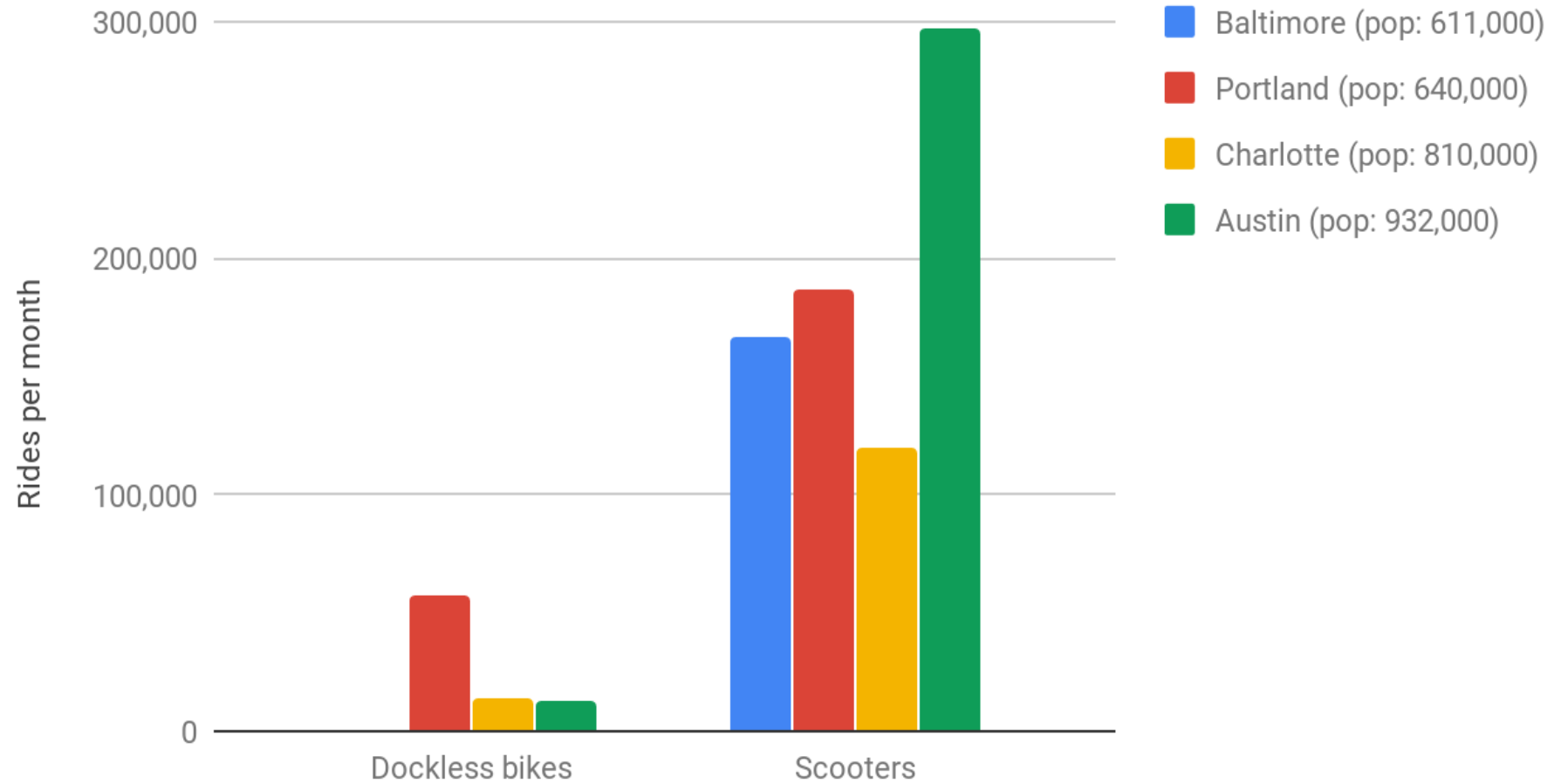
84 MILLION TRIPS ON SHARED MICROMOBILITY IN 2018



USA (2019)

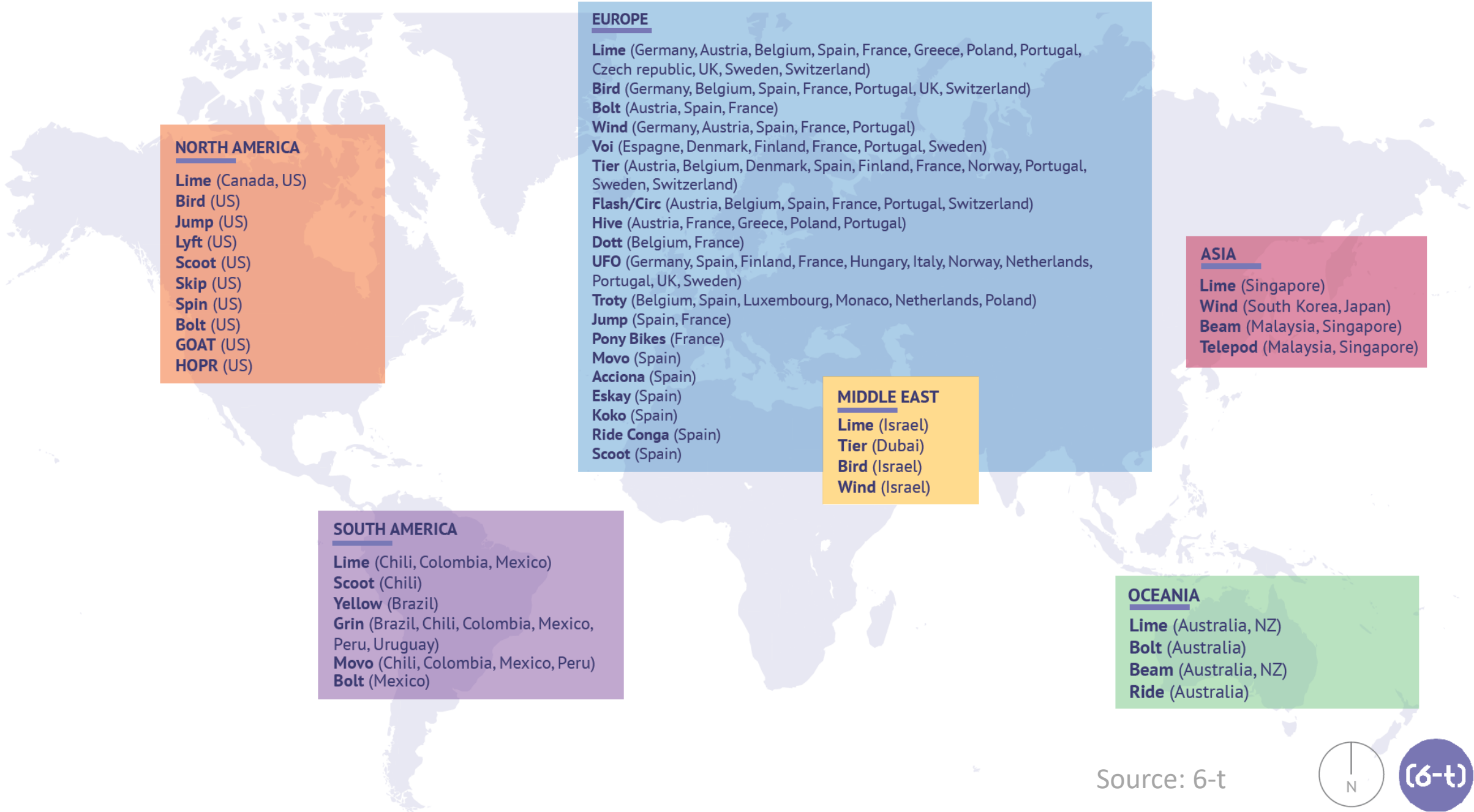
2019

Dockless Bike vs. Scooter Rides



Source: NCL

Overview of the free-floating e-scooter offer in the world as of May 2019



NORTH AMERICA
Lime (Canada, US)
Bird (US)
Jump (US)
Lyft (US)
Scoot (US)
Skip (US)
Spin (US)
Bolt (US)
GOAT (US)
HOPR (US)

EUROPE
Lime (Germany, Austria, Belgium, Spain, France, Greece, Poland, Portugal, Czech republic, UK, Sweden, Switzerland)
Bird (Germany, Belgium, Spain, France, Portugal, UK, Switzerland)
Bolt (Austria, Spain, France)
Wind (Germany, Austria, Spain, France, Portugal)
Voi (Espagne, Denmark, Finland, France, Portugal, Sweden)
Tier (Austria, Belgium, Denmark, Spain, Finland, France, Norway, Portugal, Sweden, Switzerland)
Flash/Circ (Austria, Belgium, Spain, France, Portugal, Switzerland)
Hive (Austria, France, Greece, Poland, Portugal)
Dott (Belgium, France)
UFO (Germany, Spain, Finland, France, Hungary, Italy, Norway, Netherlands, Portugal, UK, Sweden)
Troty (Belgium, Spain, Luxembourg, Monaco, Netherlands, Poland)
Jump (Spain, France)
Pony Bikes (France)
Movo (Spain)
Acciona (Spain)
Eskay (Spain)
Koko (Spain)
Ride Conga (Spain)
Scoot (Spain)

MIDDLE EAST
Lime (Israel)
Tier (Dubai)
Bird (Israel)
Wind (Israel)

ASIA
Lime (Singapore)
Wind (South Korea, Japan)
Beam (Malaysia, Singapore)
Telepod (Malaysia, Singapore)

SOUTH AMERICA
Lime (Chili, Colombia, Mexico)
Scoot (Chili)
Yellow (Brazil)
Grin (Brazil, Chili, Colombia, Mexico, Peru, Uruguay)
Movo (Chili, Colombia, Mexico, Peru)
Bolt (Mexico)

OCEANIA
Lime (Australia, NZ)
Bolt (Australia)
Beam (Australia, NZ)
Ride (Australia)

Source: 6-t



1 000 km

Free-floating electric scooter services in France

Inventory of services (June 2019)



Free-floating electric scooter services

- Active
- Suspended



Source: 6-t

Surveys

USA:

- ❑ **San Francisco** (1,700 riders polled)
- ❑ **Portland** (120-day pilot, companies provide data, supplemented by a rider survey)

Europe:

- ❑ **France** (Paris, Lyon et Marseille – 4,000 users)
- ❑ **Brussels** (150 interviews of e-scooter users)
- ❑ **Lisbon** (observation counts)

Who uses e-scooters?

San Francisco

overwhelming male (82%), white (63%) and affluent (68% had household incomes above \$100,000)

France

66% men (wealthy executives and students)

Brussels

70% Men.

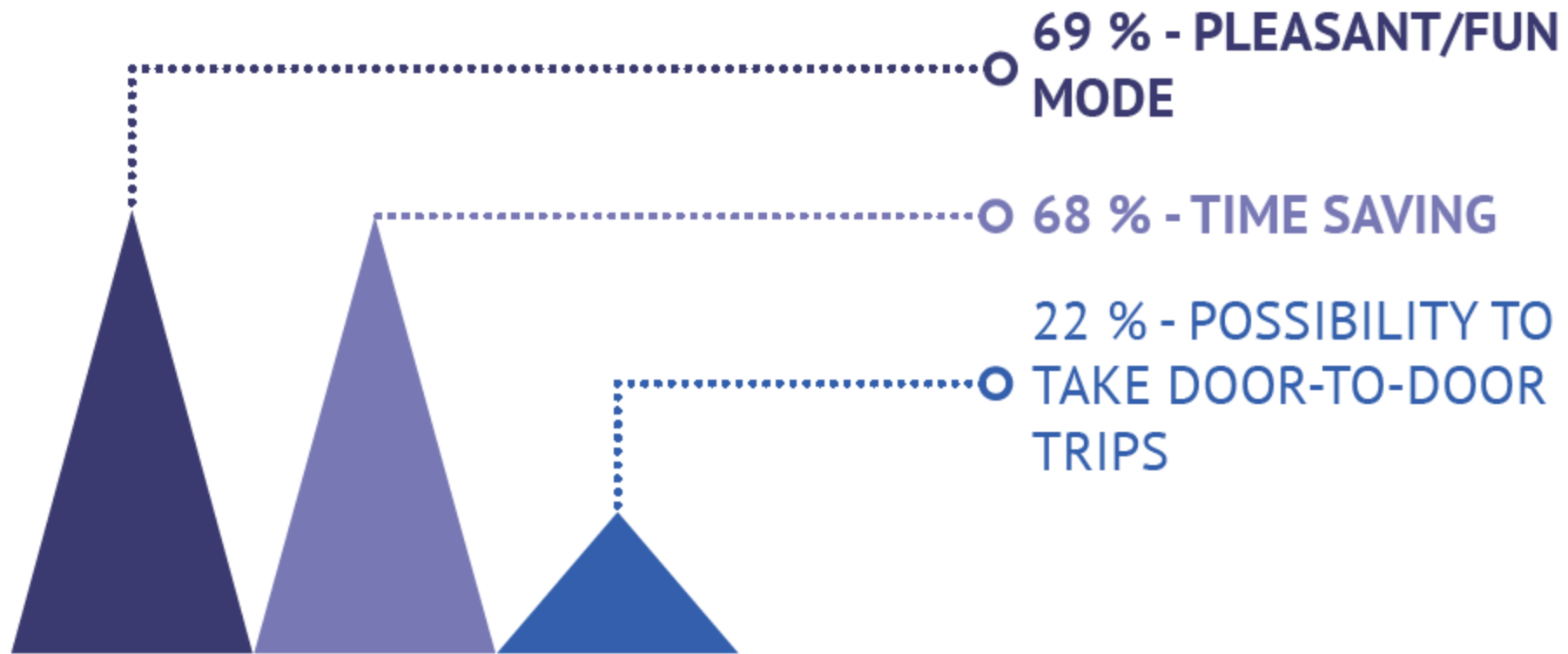
Lisbon

Data from the north business district: 87% male!

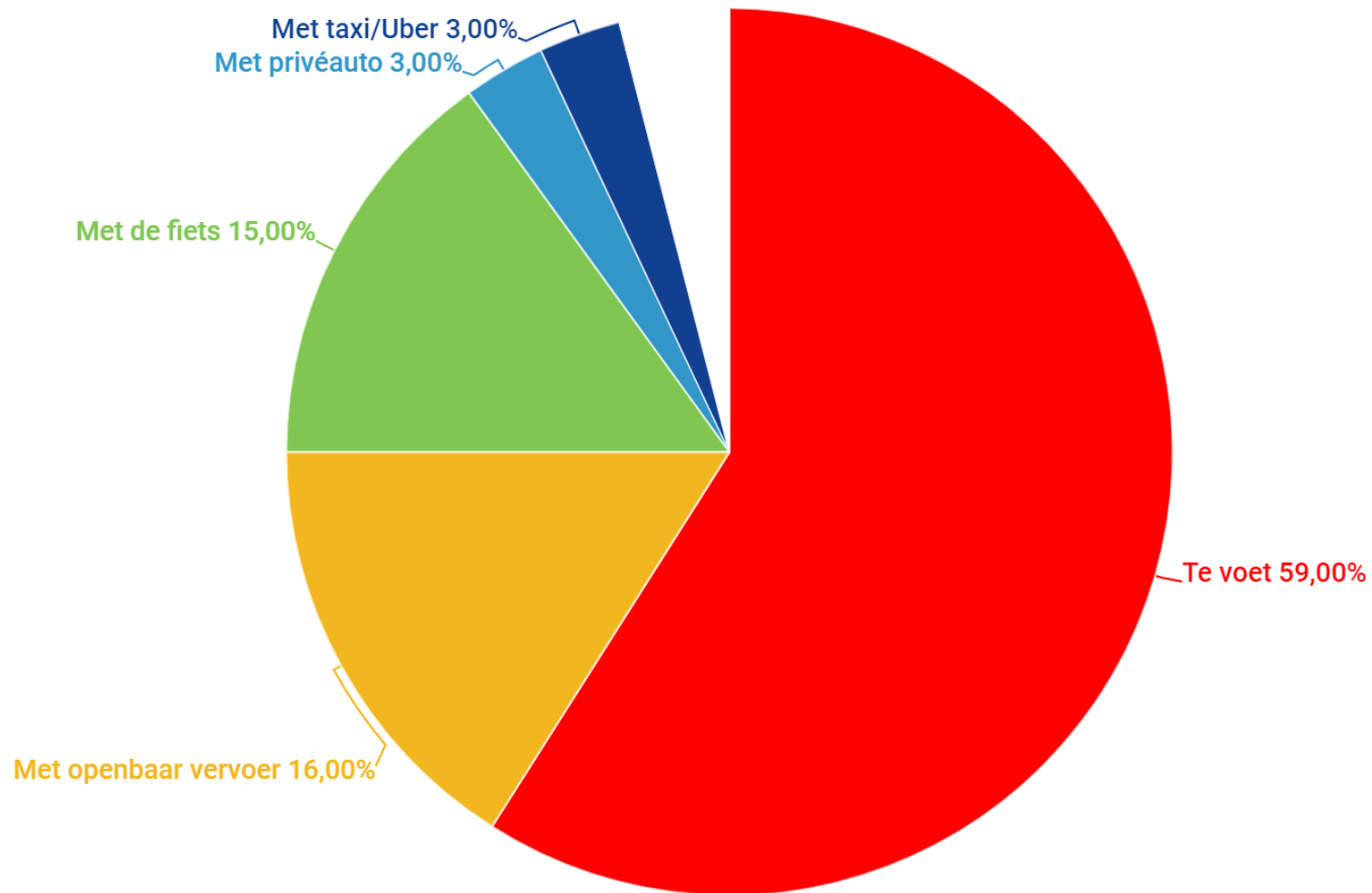
Toys for boys?



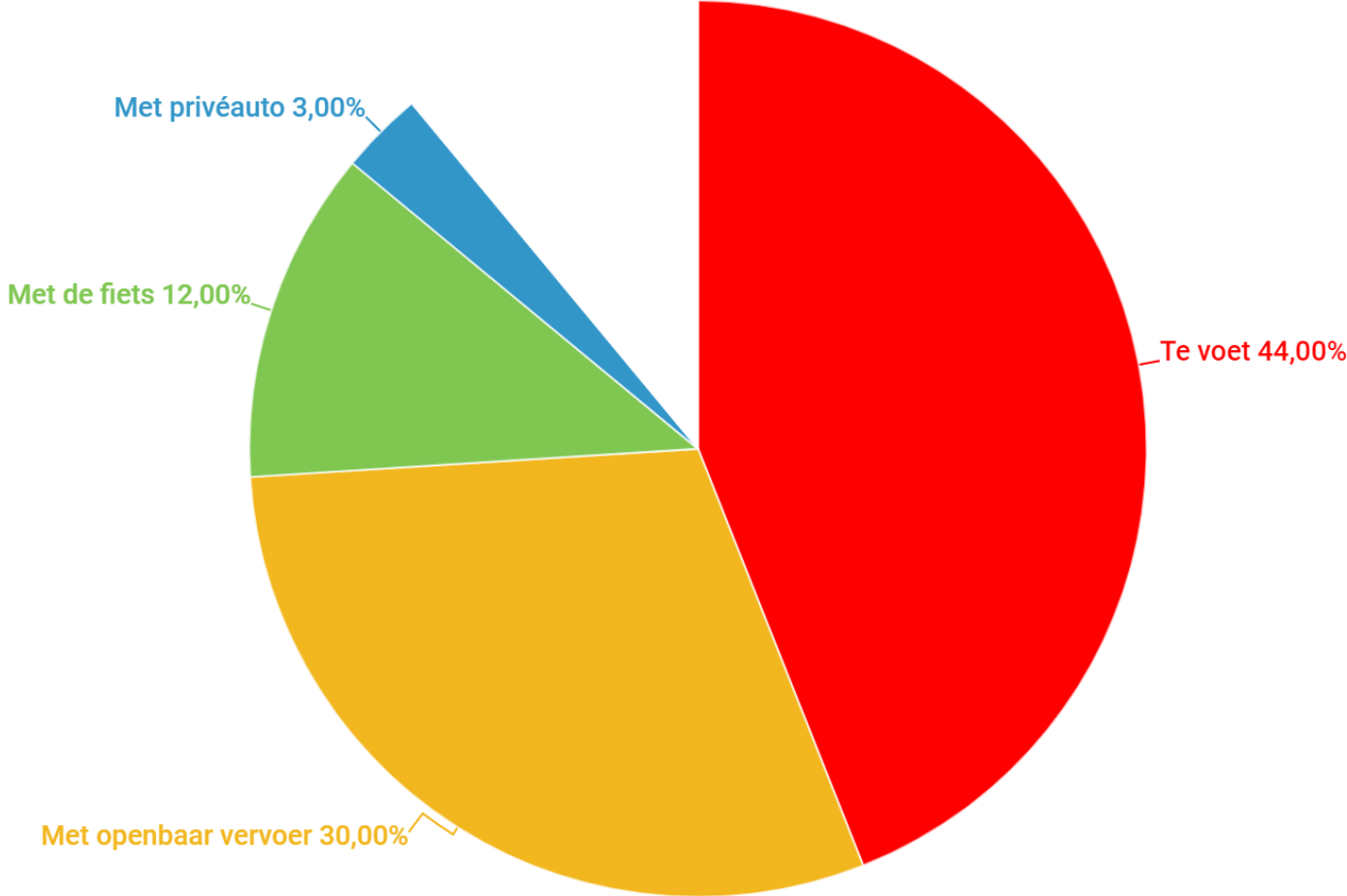
MAIN MOTIVATIONS



Welke verplaatsing vervangt de elektrische deelstep in Brussel?



Welke verplaatsing vervangt de elektrische deelstep in Parijs?



Infografiek: © BRUZZ Bron: Franse studie van onderzoeksbureau 6T

Trip substitution?

San Francisco

36% said otherwise they would have taken Uber or Lyft, while 5% said they'd have driven alone. Of the rest, 31% would have walked, 11% would have used public transit, 9% would have biked and 8% were "other."

Portland

E-scooters replaced driving and ride-hailing trips. **34 percent** of Portland riders and 48 percent of visitors took an e-scooter instead of driving a personal car or using Uber, Lyft, or taxi.

San Francisco

Rejected electric e-Scooters after an unruly, unlicensed rollout in May 2018
The pilot started 15 Oct 2018 with two companies.

Paris

In September 2018 Paris said yes to e-Scooters only to ban them from sidewalks from September 2019. Conflict between Municipality and National on parking

Madrid

The Madrid City Council in May 2019 denied applications several e-Scooters operators. There were 18 interested companies.



Survey of our members

New Zealand – Living Streets Aotearoa

Colombia - Fundación Colombiana de Peatones

Brazil – Sampapé, Corrida Amiga

Poland - Społeczny Rzecznik Piesznych

Switzerland - Fussverkehr Schweiz

Greece – Enosipezon

Australia - Victoria Walks, Queensland Walks

Portugal – ACA-M

Germany - Fuss



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Our position?



Clarity:

Motorised vehicles should not be allowed on the sidewalks (except for persons with disabilities) at any speed.

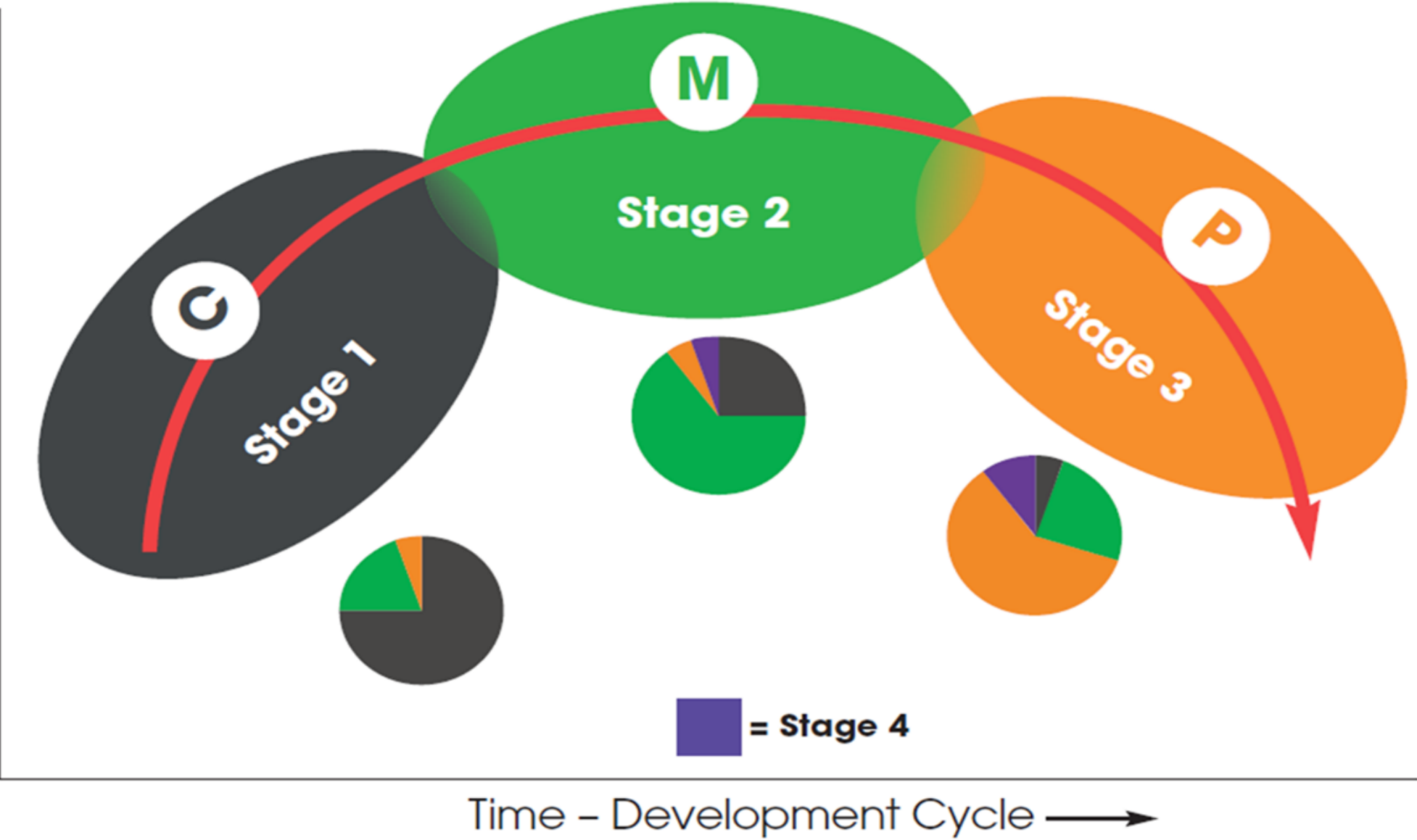
The easiest and fastest way to deal with e-scooters and the law is to equiparate them to electric bicycles (pedalec)





ZANDINI

Policy emphasis on meeting the needs of motor vehicles



Peter Jones (2018)

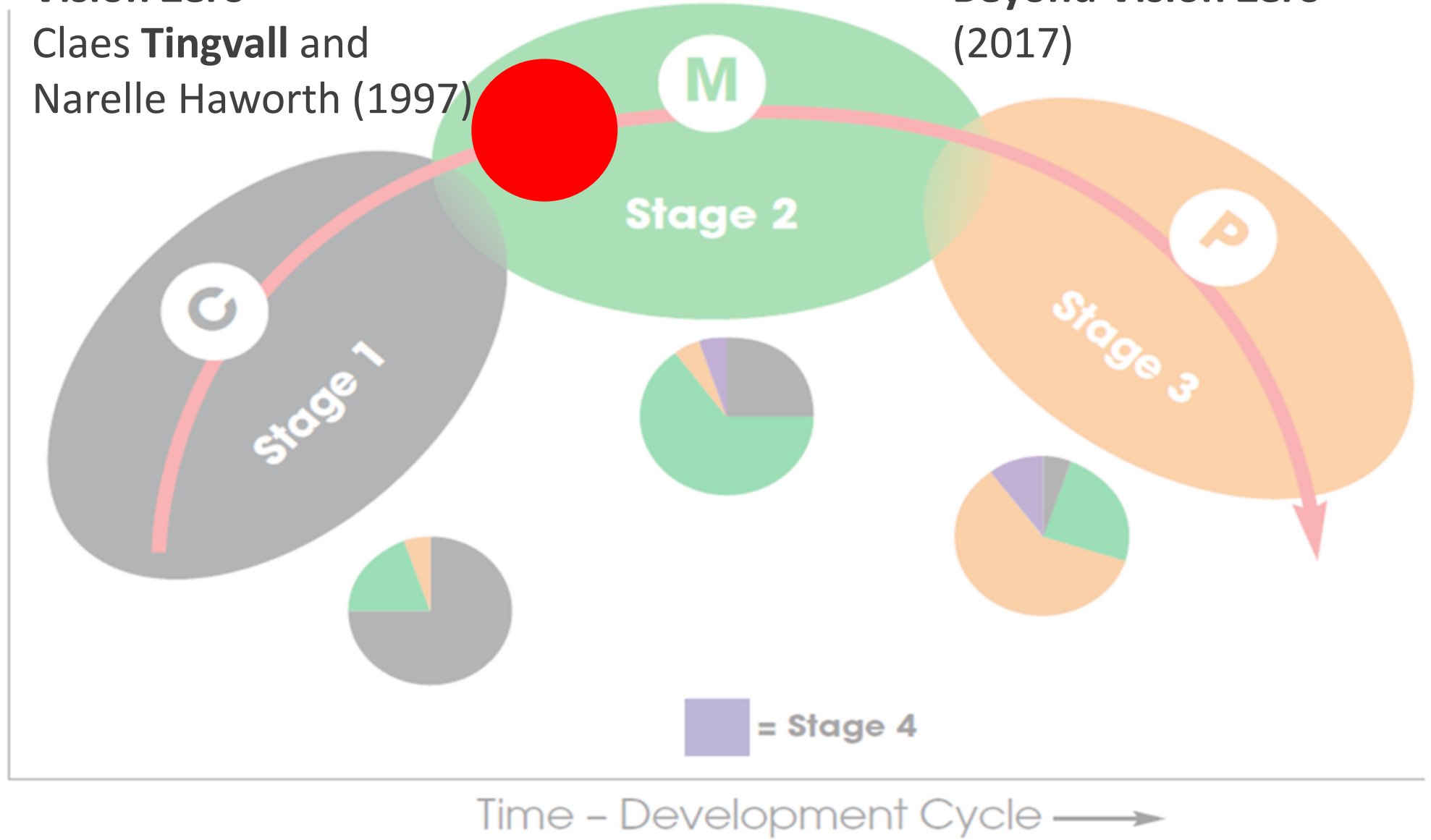
Vision Zero

Claes Tingvall and Narelle Haworth (1997)

Beyond Vision Zero

(2017)

Policy emphasis on meeting the needs of motor vehicles



Time - Development Cycle →

Vision Zero

Focus on fatalities

Road Safety

Traffic calming

Ethical imperative

Beyond Vision Zero

Focus on Modal shift

Road Danger Reduction

Livability

Political choice



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