

Managing Micromobility

Taking the long view on short trips



Karen Vancluysen, Polis

Webinar Micromobility, 21/10/2020

Peer-to-peer exchange

Policy

Research

Innovation

+80 Cities & regions







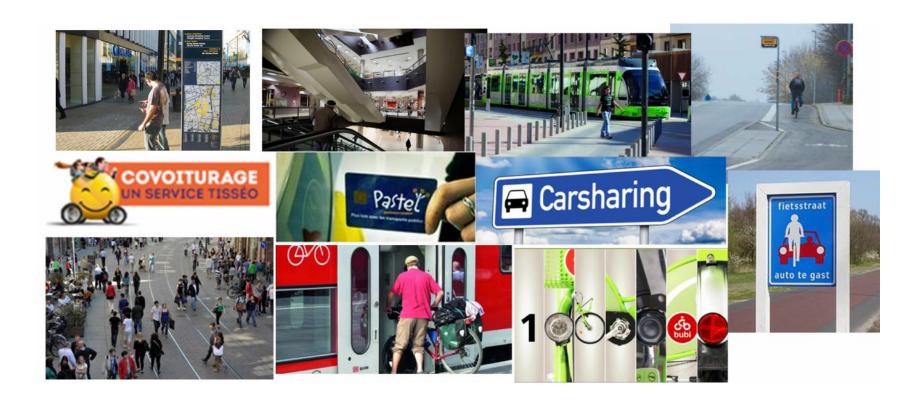








Sustainable Urban Mobility Policy



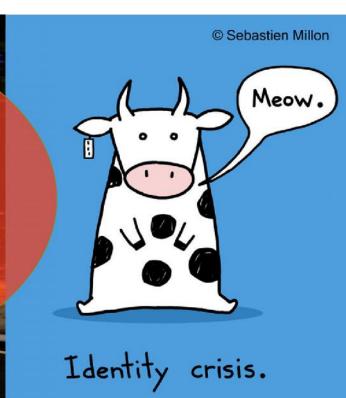
Multimodal – Intermodal – Clean – Safe – Flexible – Affordable – Connected – User-centric – Inclusive – Shared – Healthy – Seamless ...

Changing role local authority

Systems approach

Public transport active travel as backbone wix of measure with multiple benefits

What should be the role of the local authority in the transport system of tomorrow?





Disruption 😡 😡

You can't just be reactive. You have to be proactive & you have to be strategic.

YES! WAIT, NO! WELL, ONLY IF... 🝒













POLIS

Regulate to innovate!

Anticipate

Build understanding of possible impacts

Maximise opportunities

Minimise disbenefits

Talk & cooperate

New ppp's, new business models

Carrots & sticks!

Need for public sector oversight

Cities should be in the driver's seat!



No recipe for this disaster





From lockdown to gridlock?









Micromobility

Linking into key policy areas & public authority interventions:

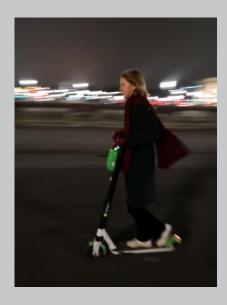
Active travel including safety & health

Urban space & parking management

Environment – modal shift

Data

Multimodality & intermodality







Active travel

Multiple gains

cleanest modes

health benefits

quality of life

extending the range: e-bikes

Collect evidence

Prioritise = Make space

street design

dedicated infrastructure





Active travel

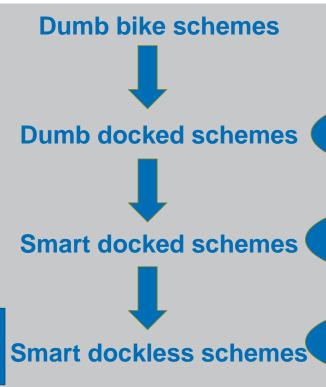




Bikesharing

Public sector Procurement

Private sector Regulation



Linked to stations, no intelligence

Recognising bikes & users, collecting data

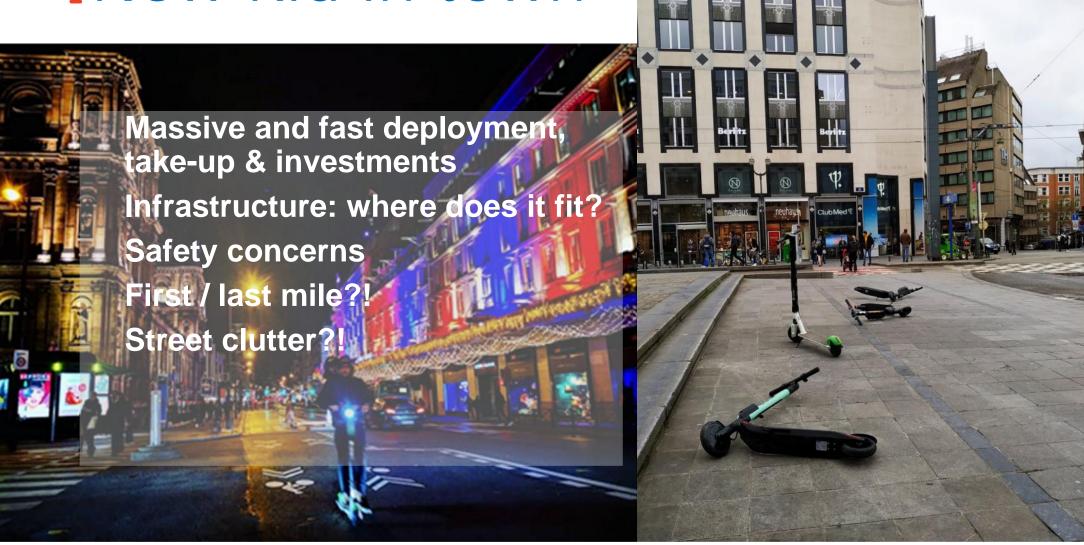
Freefloating, dockless, smartphone apps, no infrastructure











E-scooter safety

- trip by car/motorcycle much more likely to result in the death of a road user than a trip by a micro-vehicle with max 25 kph
- · similarities & differences between risks of e-scooters and bicycles:
 - road fatality not significantly more likely when using e-scooter rather than bicycle
 - risk of emergency department visit for e-scooter rider similar to cyclists
 - risk of hospitalisation higher with e-scooters, further investigation needed
- micromobility could improve traffic safety by reducing number of car and motorcycle trips in a city (modal shift)
- e-scooter safety will likely improve once users learn to navigate urban traffic & car drivers get used to novel forms of mobility
- safety will improve as governments put in place safe cycling infrastructure and targeted safety regulations for micro-vehicles and shared mobility operations





Safe Micromobility



Corporate Partnership Board Report

Street clutter!



Reallocate space

Active and light mobility: unite!

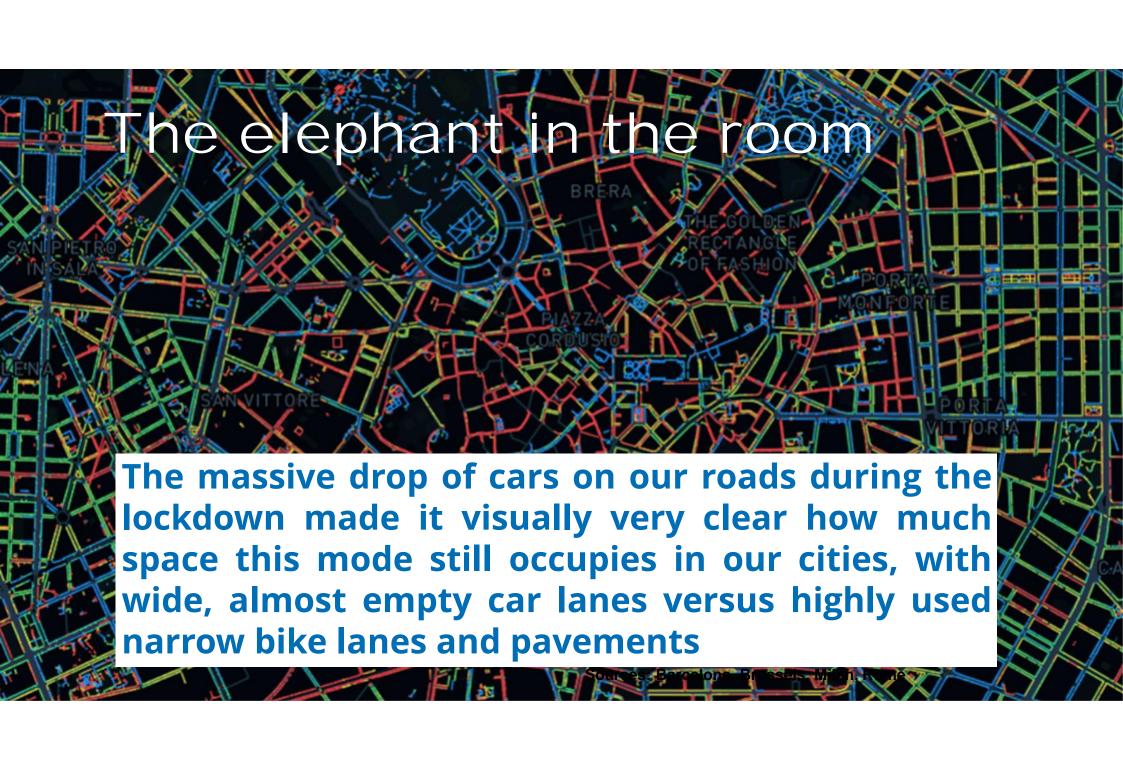
Co-existence



Picture: Lime

The public authority as urban space manager

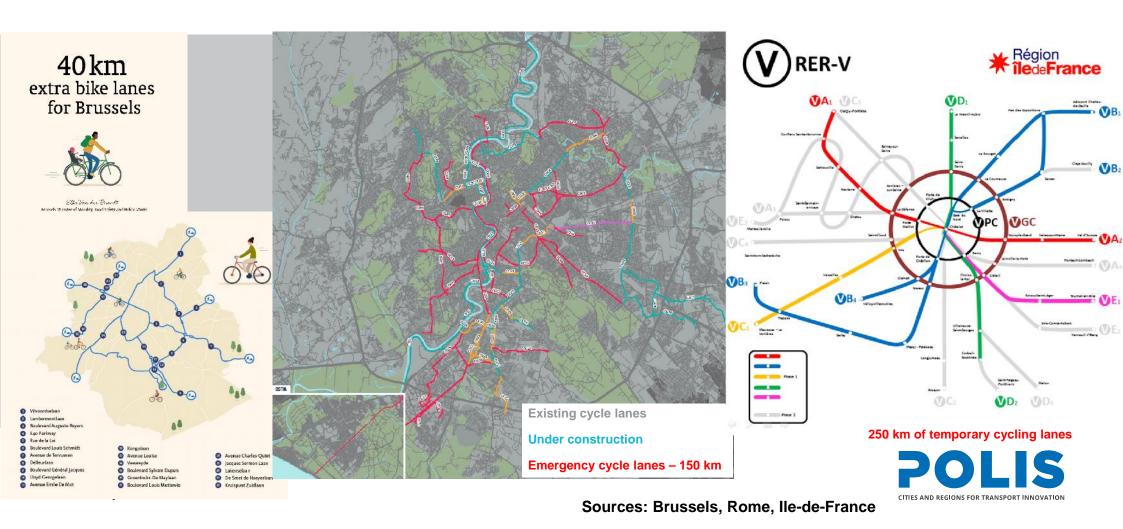




Respacing streets



Bike Bonanza



Modal shift?

Complement not compete

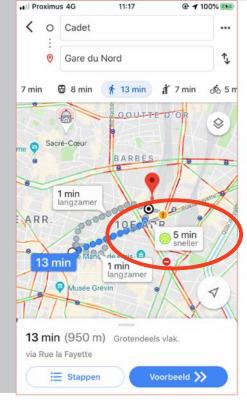
Fill service gaps

Specific target groups, specific areas, first/last mile

Modal shift

Undesired modal shift?

Evidence needed on actual impact







Modal shift

Survey by 6T among Lime users in Paris, Lyon and Marseille:

How would trips have been made otherwise?

47% on foot, 29% by PT, 9% by bike; 8% by car.

Brussels Mobility Survey Summer

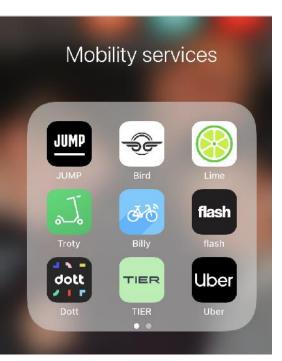
25% of users substituted car or motorbike trips

75% replaced public transport or walking





Evidence-based decision making



Need for data sharing

with the public authority towards an integrated offer & MaaS?

Insights to inform and educate overall operations.

API Endpoints - vehicle status and trip data.

Aggregated and categorized complaints and reports.



DATASHARING FORT THE GREATER GOOD

Monthly data reports according to city needs

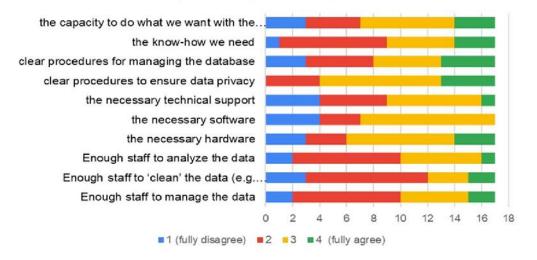
- top 10 most used streets without cycling lane
- . % of trips starting/ending at PT stations
- accident spots
- etc...



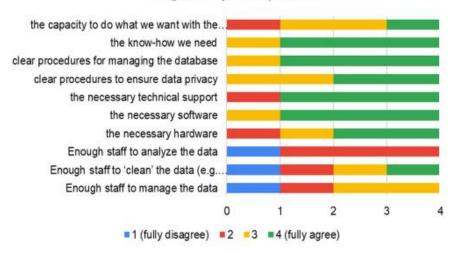
POLIS Data survey

In general terms, does your organization have the necessary resources to deal with data sharing? (1 = "I fully disagree", 4 = "I fully agree")





We (private operators) have ...





Momentum for joining forces











Urban mobility ecosystem

Integration PT & shared mobility

- take pressure away from PT
- spread capacity & shift travellers to shared bikes, e-bikes and e-scooters
- adopt broader definition of PT
- embrace a mix of mass transit and shared mobility

Public-Private Partnerships

- new business models
- subsidies

Data

Mobility as a Service



picture: Zuid-Limburg bereikbaar



Physical & Digital Integration







Big happy family?



CORE MaaS: A Social Distancing Mobility Platform





Hallo Zurich and Wintertur

Happy to be back in Switzerland today and going live with Swiss national railroad company SBB CFF FFS. Designated parking at railroad stations and integration into app...

Strong move from SBB showing how old and new mobility combined could create consumer value

#sbb #ridevoi



CARSHARING CITY AWARD WINNERS

Metropolitan winner: MILAN, ITALY

Regional winner: GHENT, BELGIUM

















Governance & Regulation

First wave of dockless bikesharing

Disruptive: lack of dialogue & cooperation with the city

- Overnight and massive deployment
- No prior agreement
- No integration with local city strategy,
- Potential competition with traditional schemes
- Overcrowding urban space and bike parking
- Not adapted to European market:
- Low-quality bikes
- Bad communication with customers



negative externalities requiring regulation

www.polisnetwork.eu

Ofo (october 2016 - July 2017) ofo oBike (Septe

Picture: EMT Madrid

Regulation

... aiming to maximise potential and minimise negative externalities

Different models / steps, or combinations of them:

Hands-off approach
Regulatory ground-rules
Operational permits/licences
Contracts for concessions
Pilots
Banning operations

Service providers are not against regulation!





www.polisnetwork.eu

http://sump-network.eu/fileadmin/user_upload/downloads/innovation_briefs/PROSPERITY_Innovation_Brief_Regulating_dockless_bike-sharing_schemes_140918_web_EN.pdf

Picture: Donkey Republic



Cities are regulating

Brussels: Regulatory framework Madrid: New sustainable micromobility "Welcoming City" mobility bylaw

Space-friendly

Blue-bike

Cott

Cot

LICENSING SYSTEM:

BALANCED FRAMEWORK

LIMITATION IS POSSIBLE, BUT NOT ACTIVATED YET

LICENCE CONDITIONS

e.g. quality, number of bikes

OPERATING CONDITIONS e.g. NPZ, concentration zones PUBLIC AUTHORITY

Environment & Legal security

Public space is our asset

Sustainable mobility & road safety

Regional uniform framework

New vehicles types

Licences

Accompanying measures: 30 km/h in 85% of streets,

Integration: MaaS



Lisbon: Soft regulation

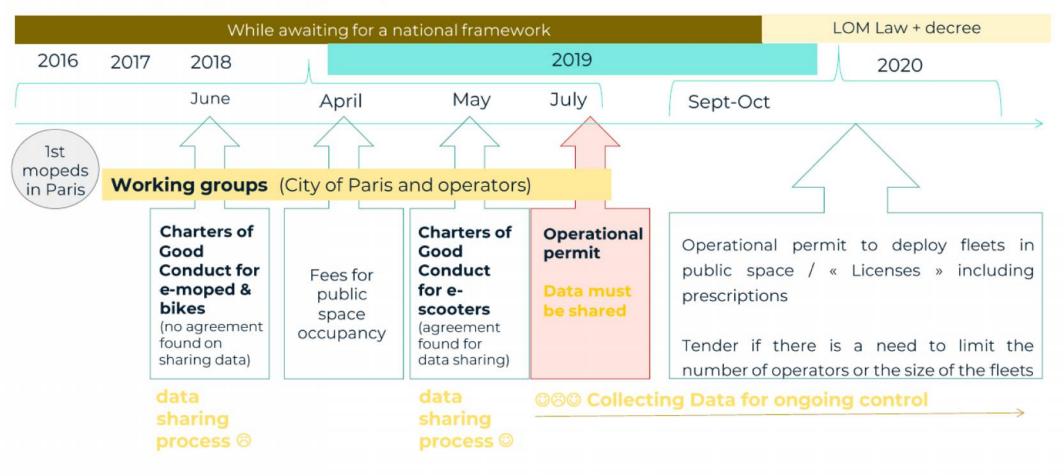
MoU:

- Regular meetings
- Parking, safety, enforcement, modal shift, equity, technical specifications, data sharing, environmental issues
- Designated parking areas



Micro Mobility - Timeline of actions taken by the City

Welcome, dialogue and regulate private fleets







TECH TRANSPORTATION RIDEABLES

Paris snubs Bird in highly competitive electric scooter competition

Lime, Tier, and Dott are the big winners in the City of Lights

By Andrew J. Hawkins | @andyjayhawk | Jul 23, 2020, 11.51am EDT









Lime, Dott and Tier win Paris scooter permits, delivering Bird a loss in a key market

Kirsten Korosec @kirstenkorosec / 6:14 pm CEST • July 23, 2020





Photo by Mehdi Taamallah/NurPhoto via Getty Images

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How to Win a Mobility Tender: Insights from the **Paris Scooter Operators**

Posted in Active mobility on 16/09/2020



By Rebecca Sands, Content & Project Manager at Autonomy & the Urban Mobility Company

Winning what some called the "wong's pizzest e-scooter tenger." The electric scooter players Line, Dott, and Tier were selected on July 22, 2020 as the three operators authorized ton the city of Paris for the next two years, him met opoils that became quintessential of the the city of Pails of the feet who years in a face oppose that became quicknessed has only in routinated taskenet; — at one point mooded oppose that publishes e-cookers from over a obsert companies — this highly compellithe Request For Proposal (RFP) represents the govering trend of cities apopting strader regulations to more firmly controlline implementation of trae-hosting and

The wirning operators were citimately expected according to three key citizris: environmental responsibility user safety, and operations management, maintenance, and charging. As other learneoun citize follow auth with RFPs that are judging respondents on very similar measures, here is a book at the importance of each criteria as well as a frist-hand account from Lima. Dott and Tiar



Small & Medium-sized cities

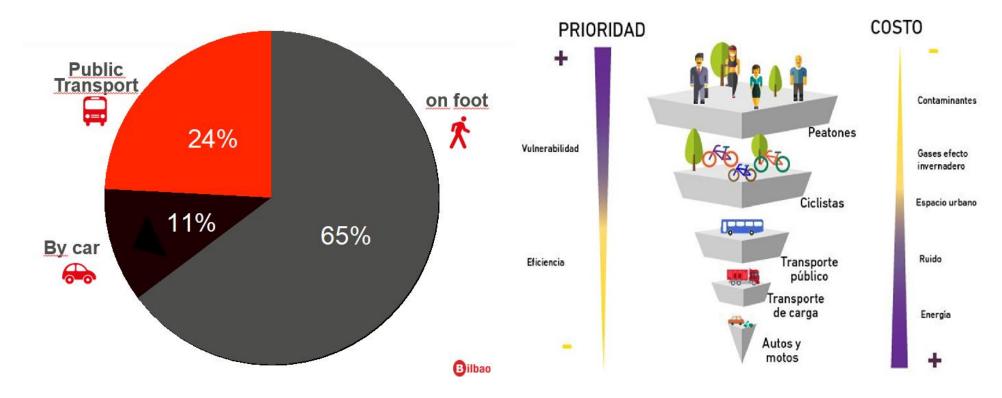
- Sometimes a challenge to attract NMS providers rather than having too many
- Existing PT supply sometimes more limited and therefore additional sustainable alternatives welcome to reduce car-dependence
- Suburban & rural areas
- Critical mass
- New ppp's, business models, subsidies

You don't have to be big to be innovative! ©





Bilbao



e-scooters

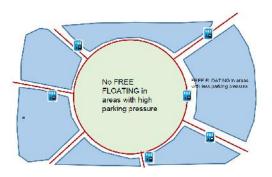


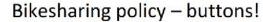


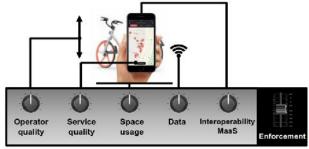
Emerging trends

Permits/licences, not procurement
Caps on n° of operators
Ensure orderly public space

- Designated parking zones/space
- No parking zones
- Geofencing
- Towards hybrid systems microhubs
- Equitable access
- Inclusion, communities of concern
- Data sharing for monitoring & enforcement
- Performance-based fleet caps
- Challenge: business case & pricing
- New ppp's subsidies?













Onwards & Upwards

Mobility service operators engaging in more dialogue and cooperation

Still relatively new and rapidly changing sector

Trial & error in regulatory approaches, partnership forms and business models – sandboxing & for partnership forms and business

From bikes to e-bikes to e-scooters and more modes to come? Or modes to disappear again? Market consolidation beyond the hype

If regulated well and integrated in urban mobility policy and goals, new mobility services can complement traditional transport offer (off-peak, remote, target groups) or provide a first/last-mile solution.





BECOME A POLIS MEMBER

WHY BECOMING A MEMBER

Joining Polls brings you to the centre of the European urban mobility community









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