

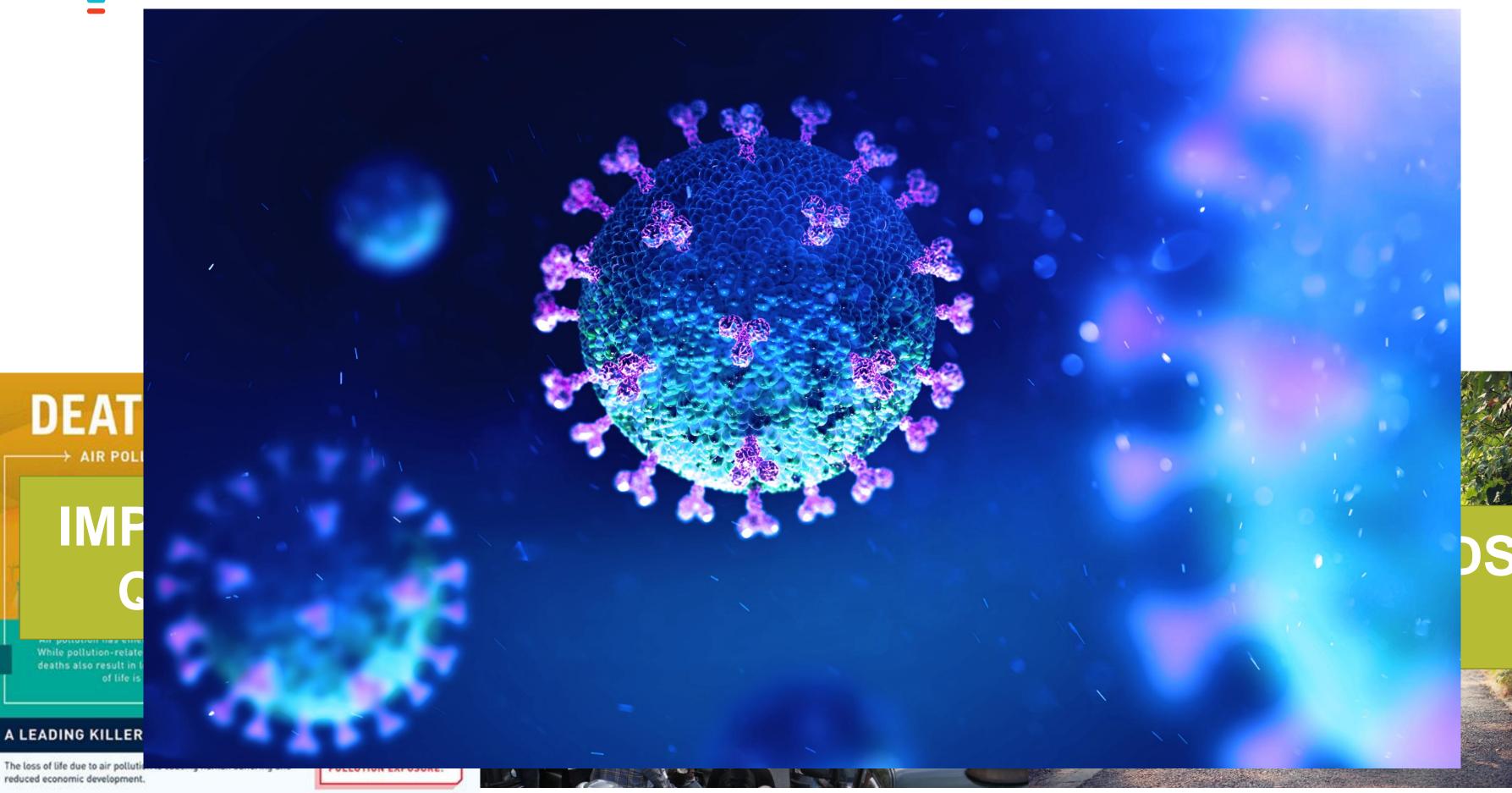
The future of public transport. The role of innovation in a green recovery

Karen Vancluysen, Secretary General, POLIS

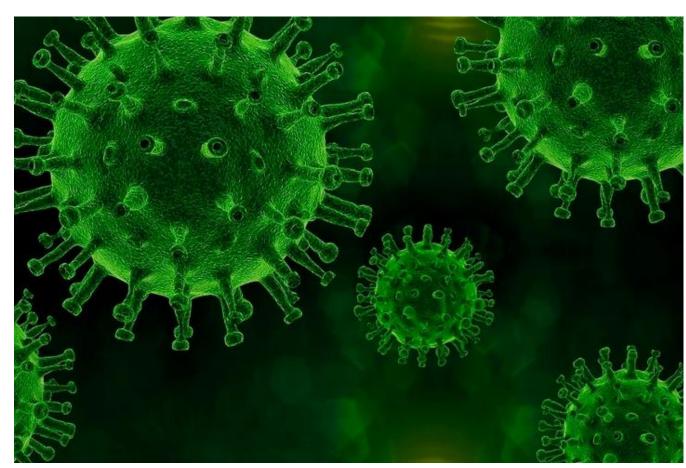
18 November 2021



Main urban mobility challenges & policy goals



From lockdown to gridlock?





Public transport collapse

Car as safety bubble



Redistributed space

Active travel boom

Cleaner air

No congestion

Home-working ...





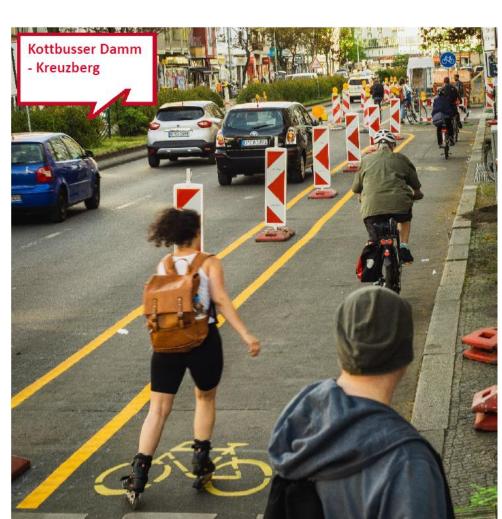


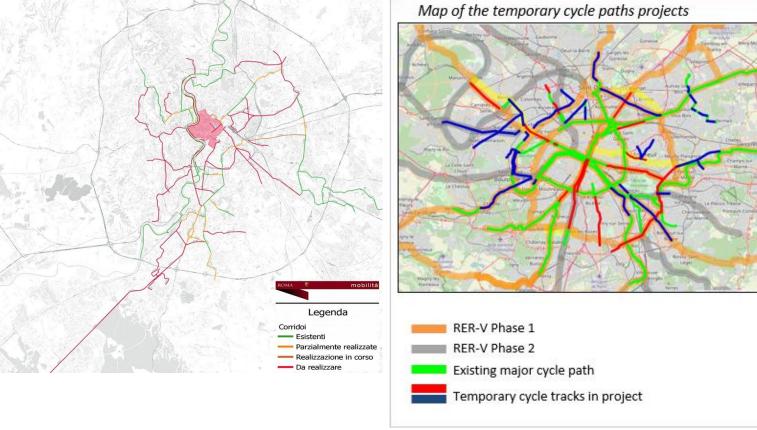
An integrated multimodal sustainable urban mobility ecosystem

Respacing streets - Long overdue







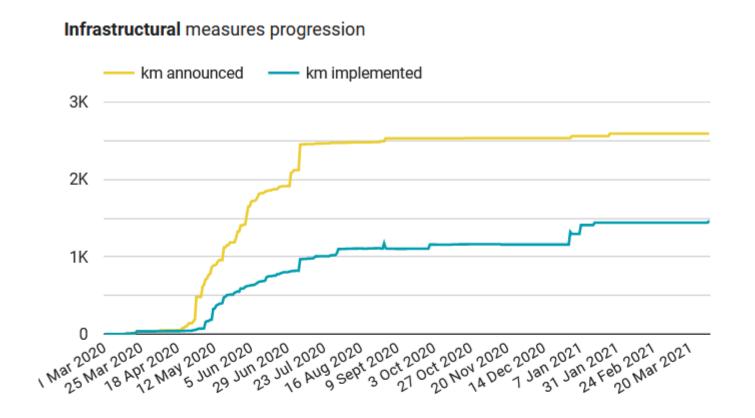






Sources: Barcelona, Berlin, Brussels, Ile-de-France, Milan, Rome

Where are we now?

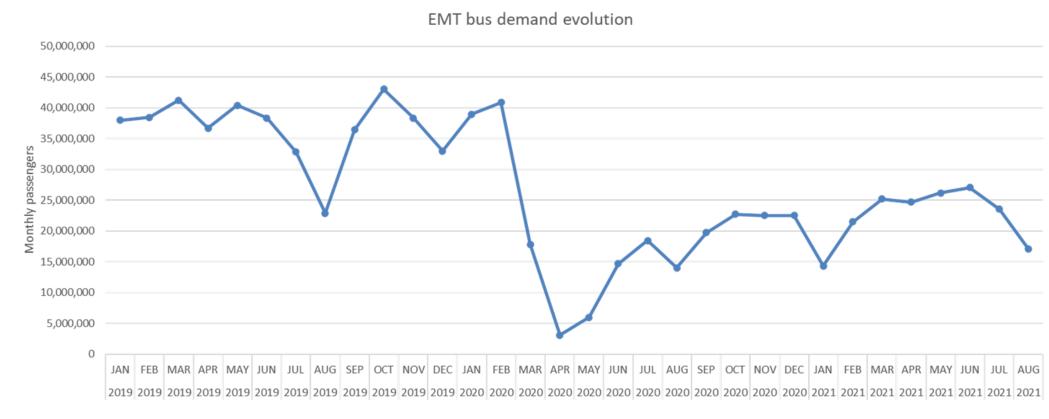


Infrastructural measures breakdown

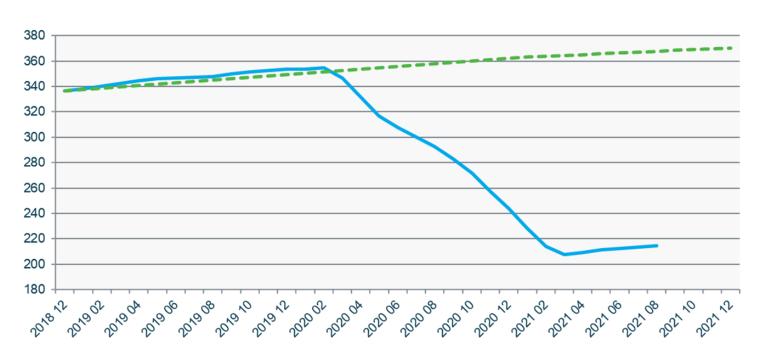


Source: ECF COVID-19 measures tracker https://ecf.com/dashboard

www.polisnetwork.eu







Sources:

EMT Madrid

Vässtrafik



The role of public transport

PT and active travel

 backbone of sustainable urban mobility ecosystem

There is no alternative to mass transit

- Efficiency
- Equity, accessibility, affordability
- Liveability, sustainability

Green recovery

- tackling congestion, air pollution, and climate change
- improving quality of life and safety

Can innovation help?





YES! WAIT, NO! WELL, ONLY IF... 🚡





Maximise opportunities
Mitigate negative externalities
Combine carrots & sticks

Need for public sector oversight Regulate to innovate!

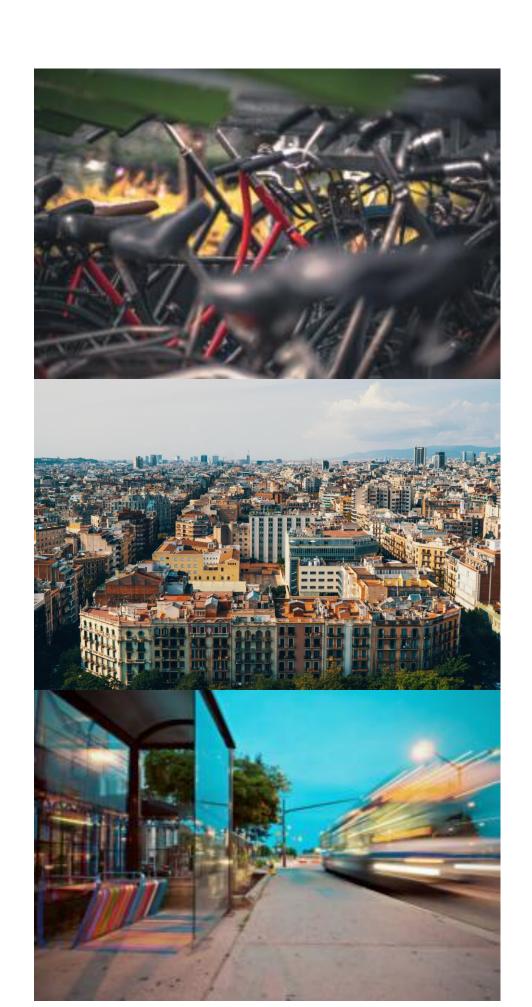






Urban design

- Make active travel and PT the most obvious, easiest and fastest choice through urban design and space reallocation
- Dedicated PT lanes
- Bike parking facilities at interchanges
- Superblocks complementing main PT networks
- High-quality bus stops
- Interchanges as city within the city



The city as urban space manager



PUBLIC TRANSPORT LAB

CITIES AND REGIONS FOR TRANSPORT INNOVATION

Overcoming barriers, inclusiveness in public transport systems

Embracing Equity

Transport is a gateway to social and economic inclusion: access to mobility, determines citizens' access to employment, healthcare, education...

If we are serious about addressing disparities and creating inclusive cities, we must begin with our trains, buses and trams.









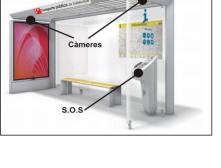




women make up (more than) 50% of users, yet 40% avoid transit options out of fear of sexual harassment- twice as likely as men

UK research forecasts the number of public transport users would increase by 10 % if passengers, especially women, felt safer

Put bluntly, if operators want to recoup dwindling profits and cities are serious about hitting modal shift targets, they need to systematically take sexual harassment seriously



94.6% of wor

Survey or

Barcelon











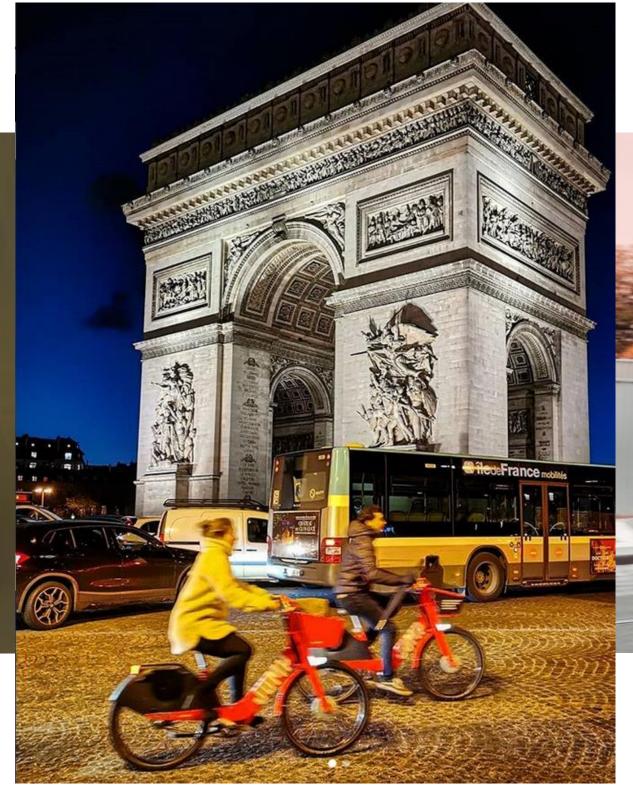


TRANSPORT



Momentum for joining forces







Redefining Public Transport

Integration PT & shared mobility

 embrace a mix of mass transit and shared mobility including active travel

Public-Private Partnerships

- new business models
- subsidies
- Reduce car dependence in suburbs
- Multimodality & Intermodality





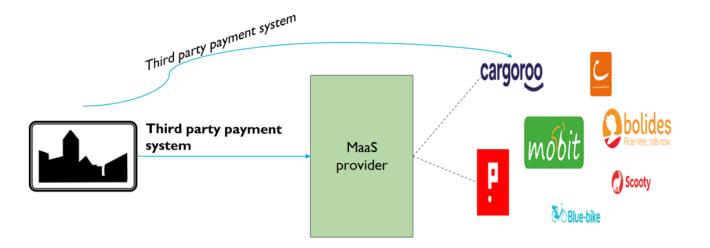
One Happy Family?

How it works v





How to describe and validate multi-modal rules in a uniform manner?





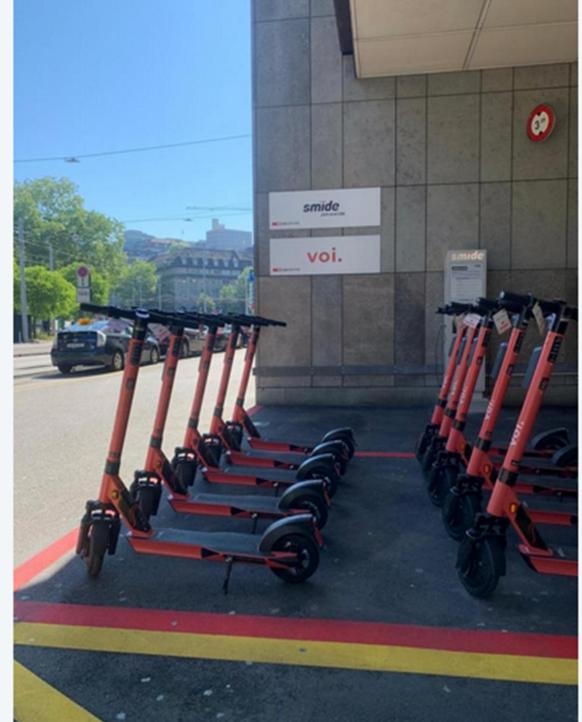


Hallo Zurich and Wintertur

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

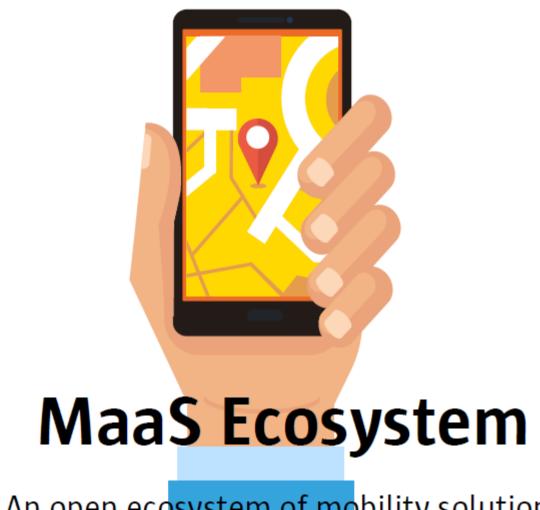






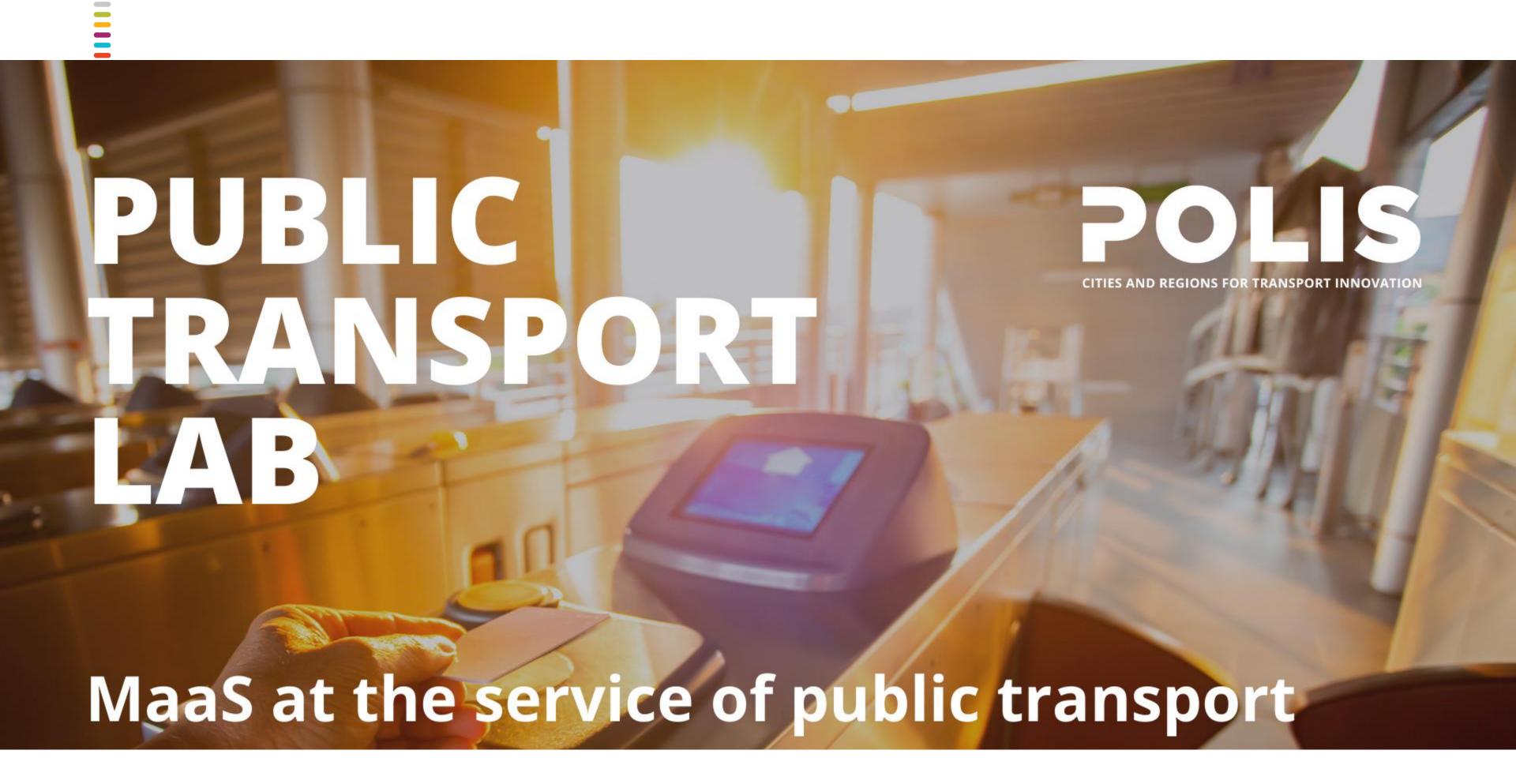
Physical AND Digital Integration





An open ecosystem of mobility solutions





Potential pro's

Promote sustainable travel, especially giving up the private car

Improve efficiency of existing transport services and public resources

Personalized approach to develop inclusive systems

Enhance access to transport services

Offer choices to users





Risks of a purely commercial MaaS approach

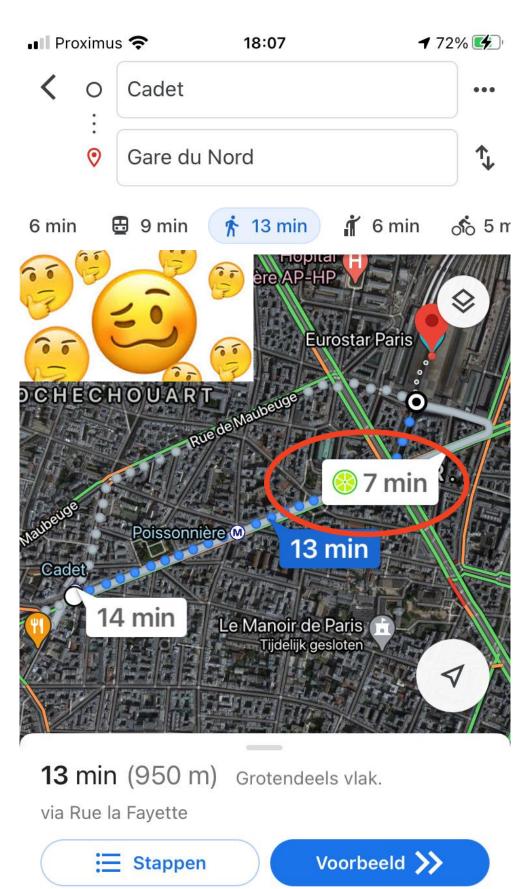
Dis-incentivising sustainable trips

Higher costs for user or transport provider

Unequal services

Disconnect between user, transport provider & transport authority





Integrated ticketing

MaaS deployment hindered by inability to resell trips of PT services

More and more countries legislating to open up PT ticketing systems

Pressure from MaaS providers and some MSs for EU legislative action

EU plans to adopt regulation requiring creation of ticketing APIs

Polis, UITP and EMTA advocating for a public values-driven governance model







JOINT OPINION ON EU-WIDE INTEGRATED TICKETING

SUMMARY

To steer business, innovation potential, and investment towards effective sustainable mobility outcomes without upsetting the current, successful organisation of public transport in Europe and undermining its important position as the backbone of our mobility future, any revision, or new development of European mobility regulation should be based on the below principles. This also applies to the current review of the ITS Directive and any ensuing regulation.

1. Recognising the importance of local diversity and the principle of subsidiarity

Acknowledge the instrumental role and strengthen the capacity of public authorities (local and regional authorities and transport authorities) to achieve European Green Deal and digital objectives, in view of their experience and their central role as integrator, their local knowledge, and their legitimacy as elected officials.

2. Delivering public policy goals and a viable market through effective governance

To establish a fair and viable market, and to ensure public authorities can implement their sustainable and equitable mobility policy objectives, oversight and powers to orchestrate this market need to remain with the legal and democratically elected institutions that will inherit the problems of a potentially malfunctioning mobility system: local and regional transport authorities

3. Leveraging the fare structure to achieve sustainability, equity and effective governance

To advance digital integration, the EU should encourage and enable local and regional (transport) authorities to describe the conditions for resale of publicly produced and funded transport and infrastructure services and define non-discriminatory contracts for interested resellers.

4. Guaranteeing fairness and rights and obligations for all

To ensure fairness and a balanced market development, any regulation or policy initiative must be applicable to all types of mobility operators and not be limited to public undertakings. It must allow any type of integrated mobility service to emerge, not restricting MaaS provision to a commercial business case, and ensure all vendors are subject to the same rules and regulations (e.g., passenger rights, accessibility information).

5. Forestalling market asymmetry through data reciprocity

What is holding MaaS back?















PUBLIC TRANSPORT LAB

POLLS

More than just hot air? Public Transport decarbonization

Multimodal

Captive Fleets

Charging infra

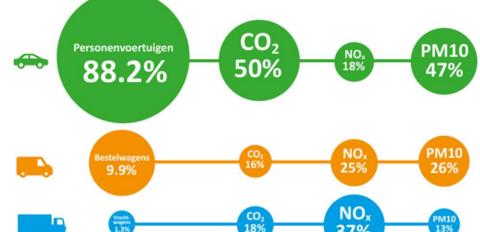
Smart grid







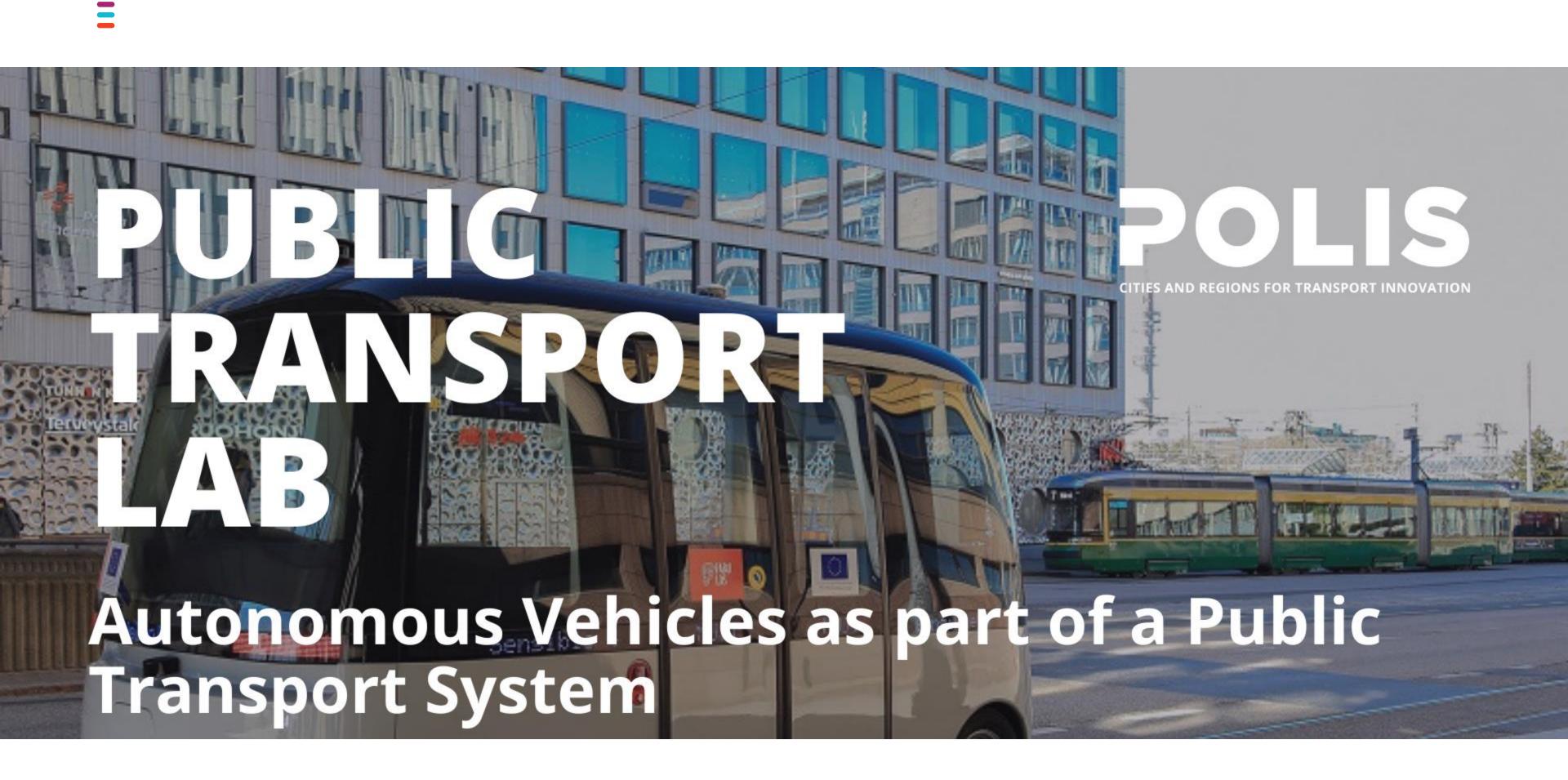






Electromobility





AVs: Key issues for cities

Policy, planning & urban development



Holistic approach to AVs



Personal security & safety



Tackling predicted growth in trips/km driven



Managing change







Enabling "Automation-Ready" **Transport Planning**

How to become an Automation-Ready road authority?





PLANNING AUTONOMOUS VEHICLES



PAV

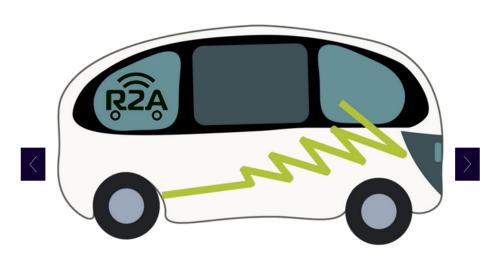
FUTURE-PROOFING AUTONOMOUS MOBILITY IN CITIES

Study on exploring the possible employment implications of connected and automated driving

Final Report

Client: European Commission, DG RTD Rotterdam, 02 October 2020

Ecorys Nederland B.V. Watermanweg 44, 3067 GG Rotterdam, The Netherlands



Ride2Autonomy consortium © Ride2Autonomy

Ride2Autonomy

Ride2Autonomy is a EU-funded project that demonstrates autonomous shuttles' integration into the transport system in ten EU cities:

Differdange (LU), Charleroi (BE), Aveiro (PT), Barcelona (ES), Inverness (UK), Trikala (GR), Tartu (EE), Reggio Emilia (IT), Tampere (FI), and Vianden (LU). The project analyses the system performance in view of safety and environmental impact, socio-economic potential of the services, as well as its multimodal integration with the transport network.

Ride2Autonomy helps to develop new mobility concepts for passengers leading to healthier, safer, more accessible, sustainable, cost-effective and demand-responsive transport.

Transforming Transportation





Money Matters

Decline in revenues versus increased costs

Revisit management contracts to ensure financial viability

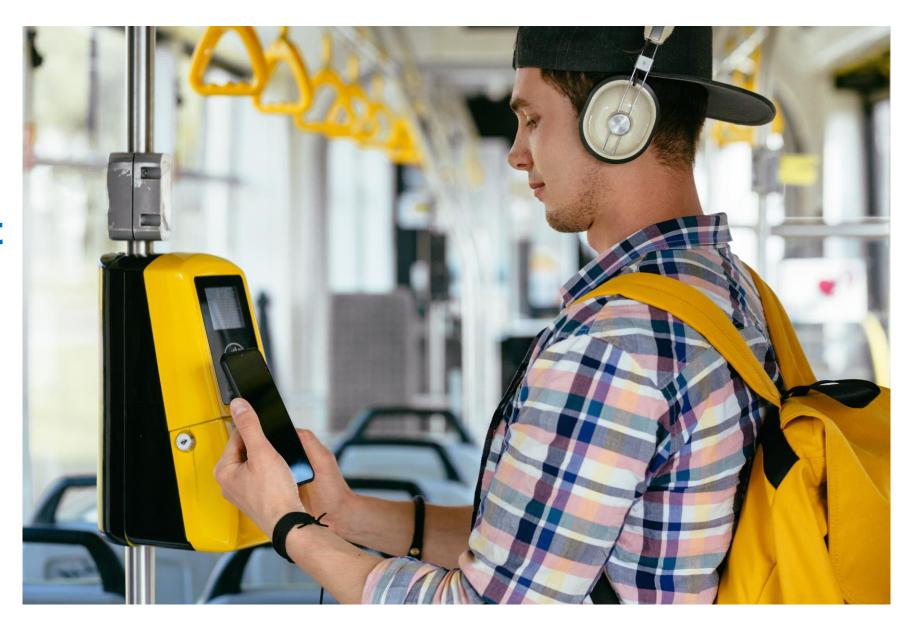
Monitor financial support mechanisms at national and European level

Reassess funding and governance frameworks which are more resilient to changes in travel demand

New business models & ppp's

Free PT is not the answer

Congestion charging and road pricing



www.polisnetwork.eu POLIS

Polluter Pays





At all times

Congestion charging ZONE



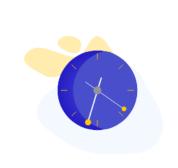
Mon - Fri 7 am - 6 pm

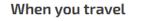
¹₂ mile ahead

Intelligent kilometre charge

Our means of travel has a social cost. SmartMove is an intelligent kilometre charge for all passenger and delivery vehicles in the **Brussels-Capital Region**. The app will give Brussels residents and commuters insight into the costs and benefits of their transport choice.

This intelligent kilometre contribution will be calculated on the basis of three parameters:







How far you travel



Engine size of you vehicle

Bloomberg CityLab

Paris Will Ban Through Traffic in City Center

Mayor Anne Hidalgo's latest effort to rein in car use and fight pollution would prevent non-residents from driving across the French capital's historic heart in

By Feargus O'Sullivan









Bouncing Back





TOPIC GUIDE:

PLANNING FOR MORE RESILIENT AND ROBUST URBAN MOBILITY



E Thank you





kvancluysen@polisnetwork.eu

www.polisnetwork.eu