

ReVeAL

Regulating Vehicle Access
for improved Livability

Zero Emission Zones

Lucy Sadler



Zero-emission
zones

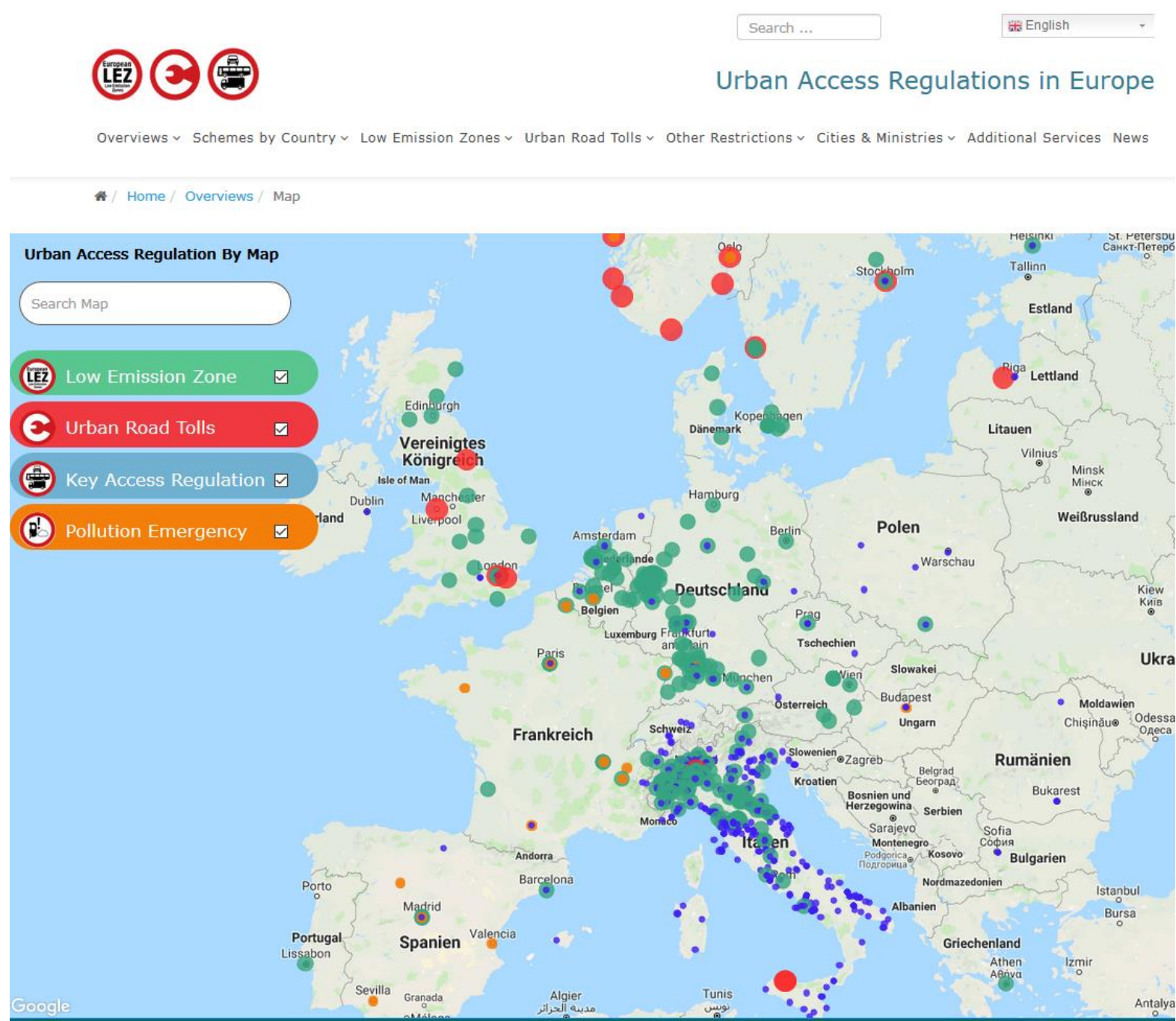


This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 815008



Over 700 Urban Vehicle
Access Regulations
(UVARs)
in 24 European countries

Source:
urbanaccessregulations.eu





Different types of UVAR



Low Emission Zones



Toll / Congestion Charging



Emergency Pollution Schemes



Other access regulations: Limited Traffic Zone, Weight, Permit, Delivery regulations....



Zero Emission Zones



Combined schemes



Zero Emission Zones = ~~Futuristic~~ Needed & Coming

Key EU transport goals

- ½ 'conventionally fuelled' urban cars 2030
- cities phase out 'conventionally fuelled' 2050
- CO₂-free city logistics major urban centres 2030

Paris Accord

- climate neutrality
- Keeping to 1.5° / 2°

Sources

- Land Transport = 20% EU Greenhouse gases
- Urban mobility = 40% all road CO₂, 70% other pollutants

What is a ZEZ?

Area with no emitting vehicles allowed*

Either

- Vehicle free
so foot / pedal only
- or
- Zero Emission Vehicles
with / without reduced vehicle numbers

* (emissions at point of use)



Other factors supporting ZEZs

Concentrations still too high with LEZs

‘Dieselgate’ - real emissions not ↓ as planned
(CO₂: actual vs stated)

For traffic-free ZEZs in particular:

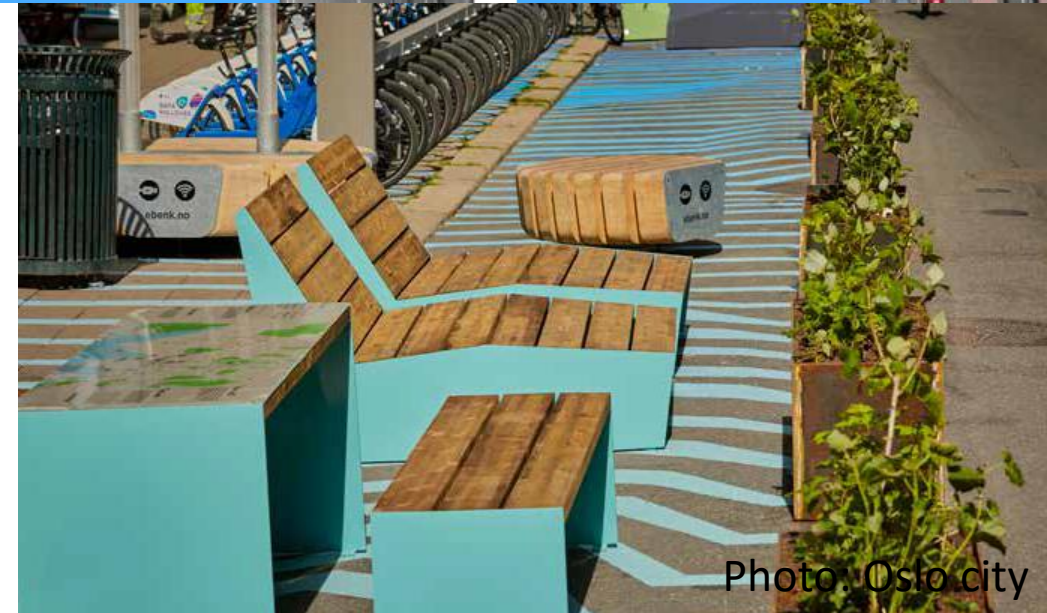
Re-suspended emissions not reduced by
replacing engine

Liveability / attractiveness of urban area

Cost & scarcity of urban space

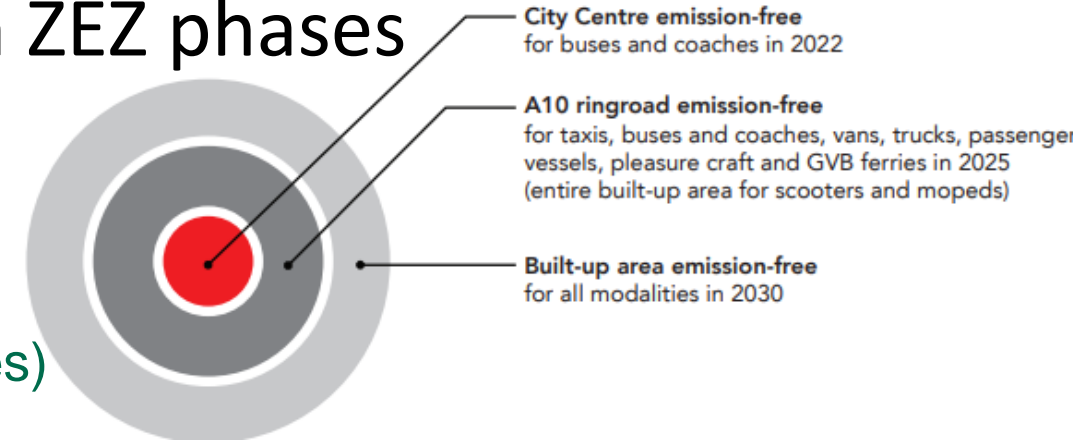
Noise, Safety, infrastructure overload...

Reducing e-commerce van issues....





Amsterdam ZEZ phases



Zero Emission Zones already exist

- an increasing number are planned (eg 29 C40 cities)

Ways to get there:

Tightening existing Low Emission Zones

Phased by vehicle types (Logistics, buses...)

Taking away parking and road space

UVARs with ZEV (advantages then) requirements

eg Delivery restrictions, Permits...

Extending Pedestrian Zones with ZEV deliveries

Agreements with stakeholders

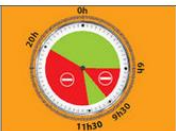
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Oslo ZEZ area

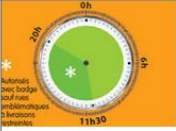


Time table for delivery vehicles

Un-auth. ICE



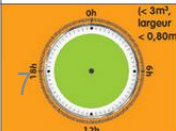
Auth. EV



Auth. ICE



No motor & EV<3m³



Toulouse Delivery regulation

Thank you for your attention

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Public authorities: to join the CLARS Platform, register on urbanaccessregulations.eu/public-authorities & will also receive ReVeAL updates as the support to cities develops

