

POLIS

CITIES AND REGIONS FOR TRANSPORT INNOVATION

ANNUAL
CONFERENCE
2022

30 November
1 December, 2022
Brussels, Belgium



#POLIS2022

Safety for micromobility and the RideSafeUM initiative

1D. LET'S GET DIGITAL. TECHNOLOGY-BASED SAFETY SOLUTIONS

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Major Development Agency Thessaloniki sa [MDAT sa]

GREECE

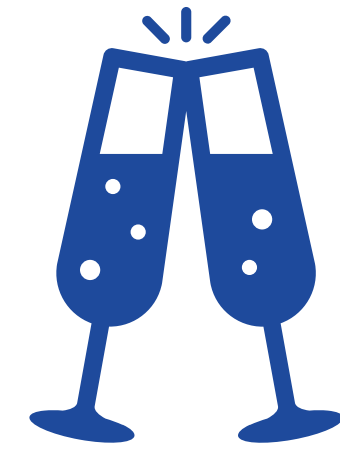
Factors impacting the risk of incidents



Fast moving
Vehicles



Disparities in
infrastructure



Riding under the
influence of alcohol/
drugs



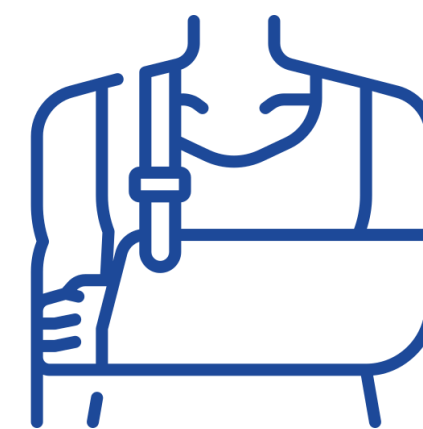
New mobility mode, new problems?



Lack of
awareness of
rules



Conflicts
among road
users



Accidents
and
injuries



Always aware of regulations

RisafeUm Project Consortium

PUBLIC AUTHORITIES



PRIVATE SECTOR PARTNERS

Micromobility Operators



Consulting & Technology Companies



ACADEMIC, RESEARCH-RELATED ENTITIES





Co-funded by the
European Union



Barcelona



Rome



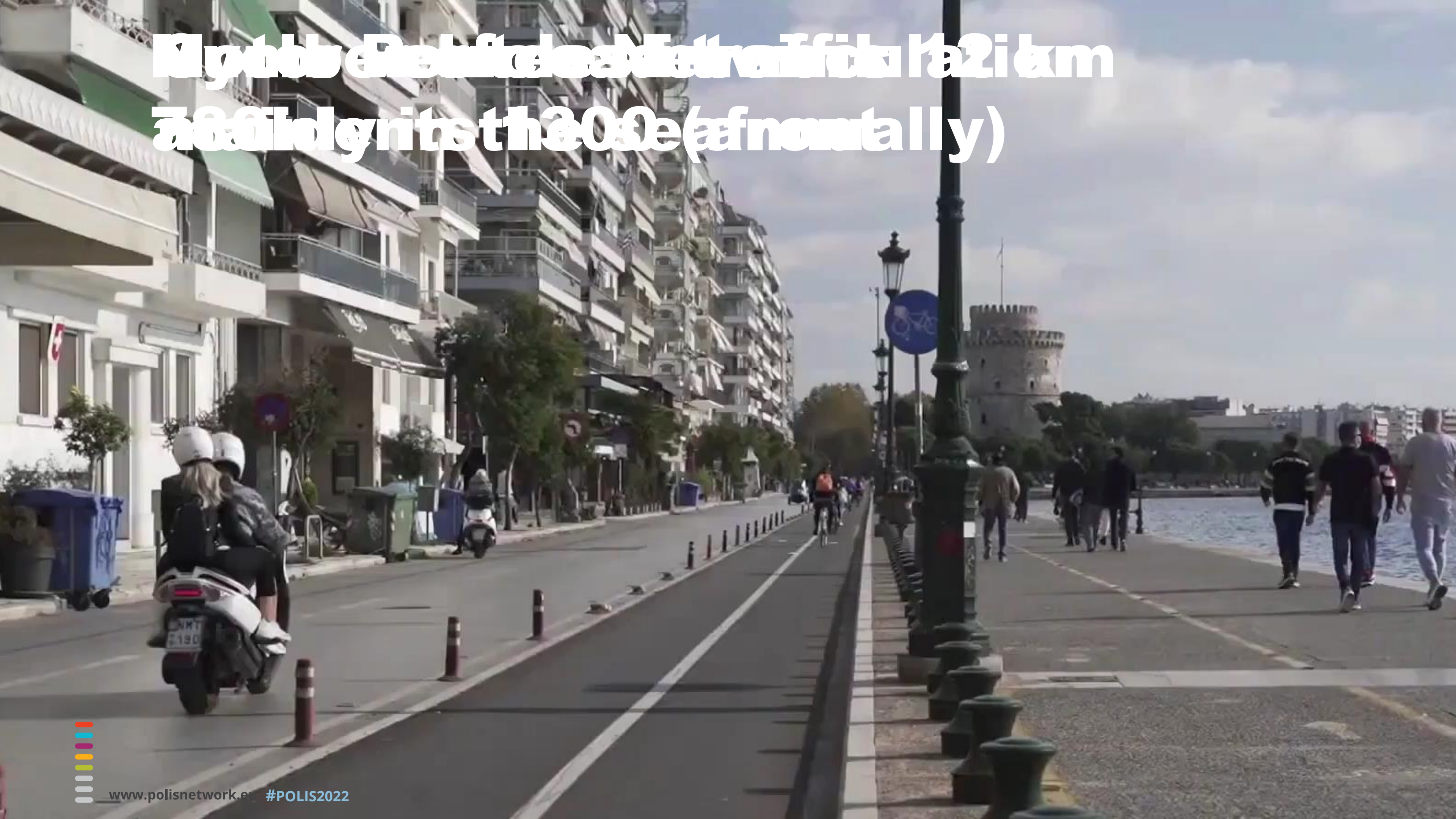
Thessaloniki



Thessaloniki Municipality City of 320 million population



My public bicycle (e-bike) from the 2010s is still going strong (at least)



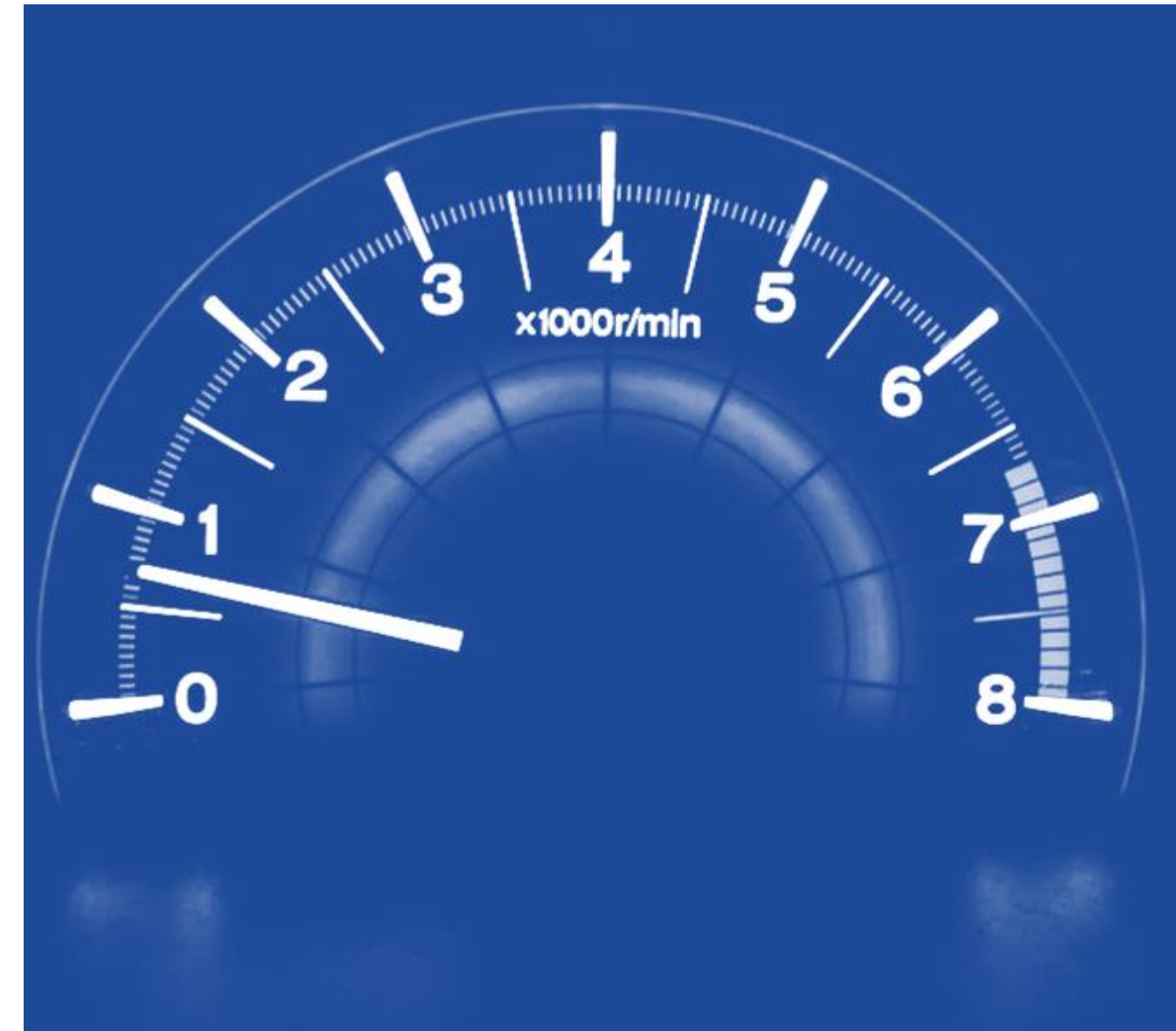
Motorists are responsible for 1600s (approximately) accidents



What are the most concerning incompliances?



Riding micromobility on banned infrastructure



Surpassing the established speed limit



The RideSafeUM solution



User app

Warnings on speeding
Warnings on access bans
Identification of accidents

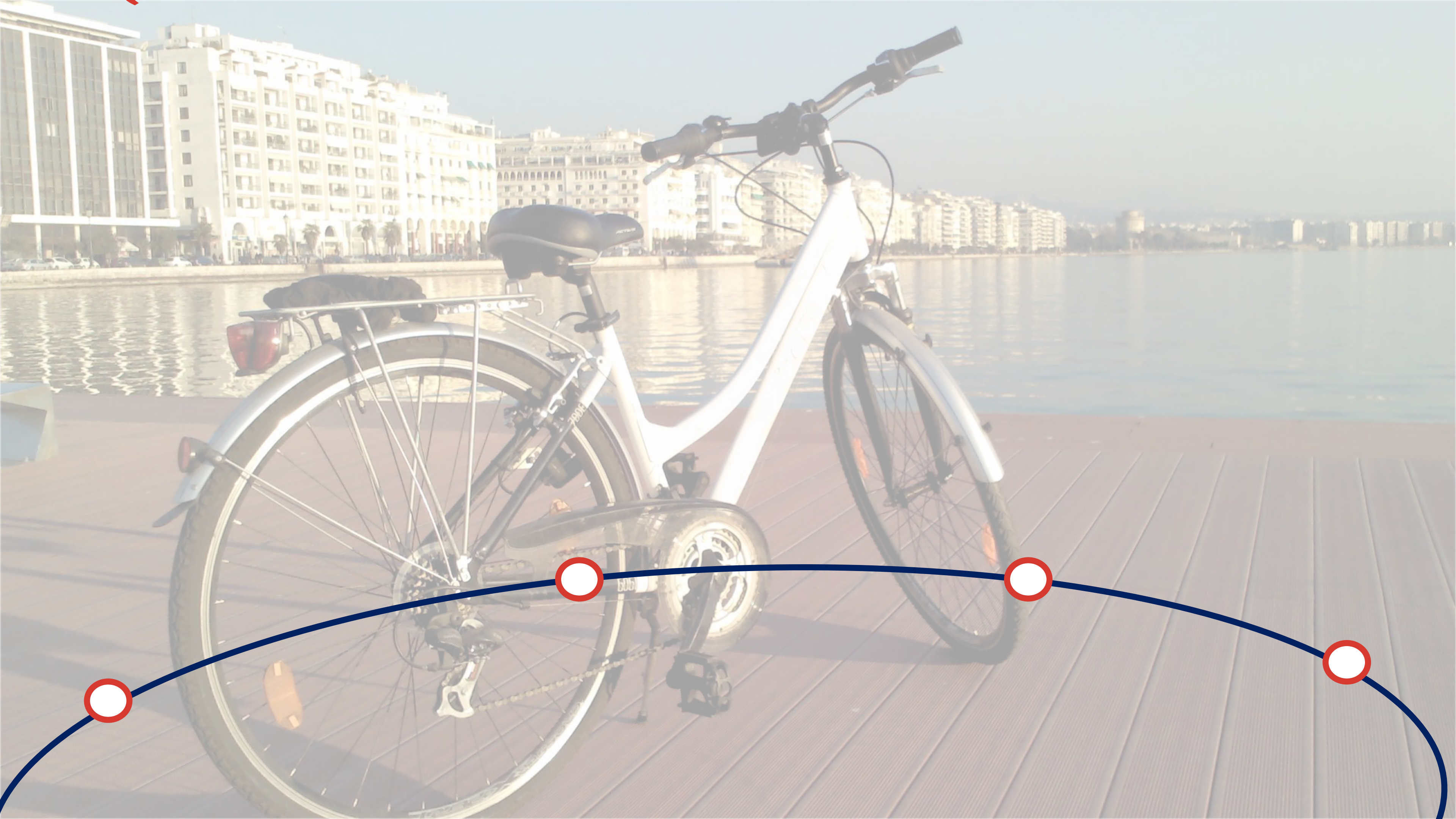


City Dashboard

Easy update of regulations
Data analytics
Accident reaction





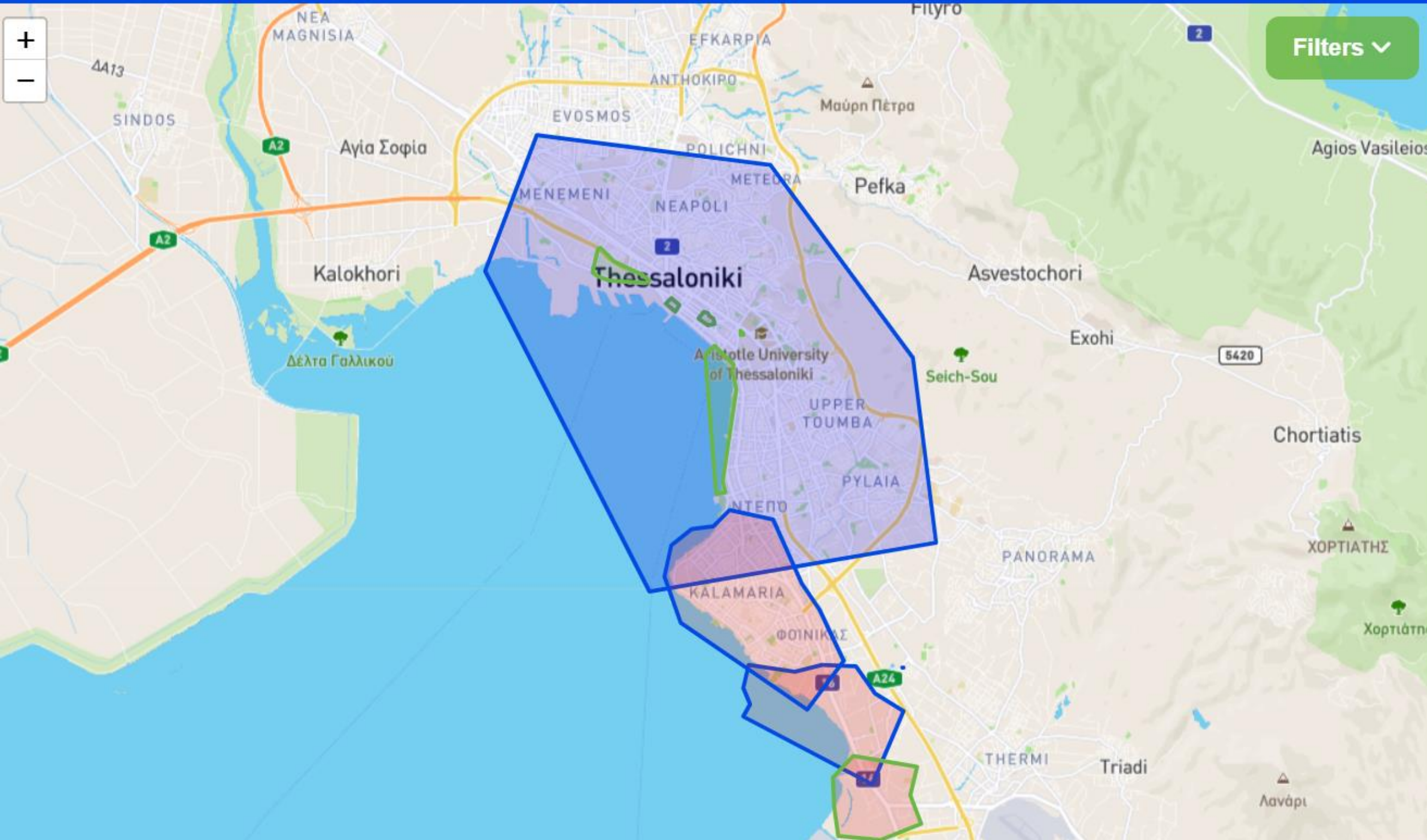




Use Case 1: Speeding at area level
(GPS & geofencing technologies)

Use Case 2: Speeding per type of infrastructure (GPS & computer vision software)





Filters ▾

Restrictions

+ Add New Restriction

Active ladadika

Location-based Layer 1

bicycle | scooter



Active ag. sofias

Location-based Layer 1

bicycle | scooter



Active speed restriction in the whole city

Infrastructure-based Layer 0

bicycle | scooter





Urban Mobility

Co-funded by the
European Union







ridesafeum.com



Next steps



Pilot tests for RideSafeUM are taking place until December in Barcelona, Rome and Thessaloniki. Analysis of data, feedback and adoption rate will be undertaken to improve the solution during 2023.





RS RideSafeUM

Thank you for your attention!

ridesafeum.com/contact

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