ReVeAL

Regulating Vehicle Access
for improved Livability

Introducing ReVeAL

Sidharta Gautama (UGent)

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This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 815069

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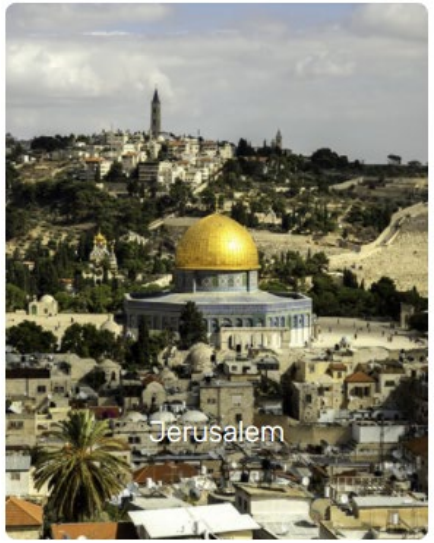
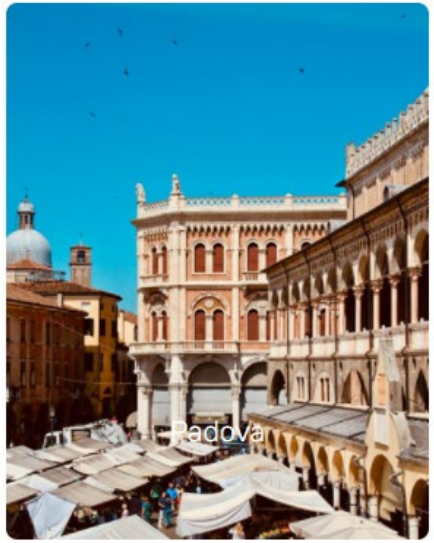
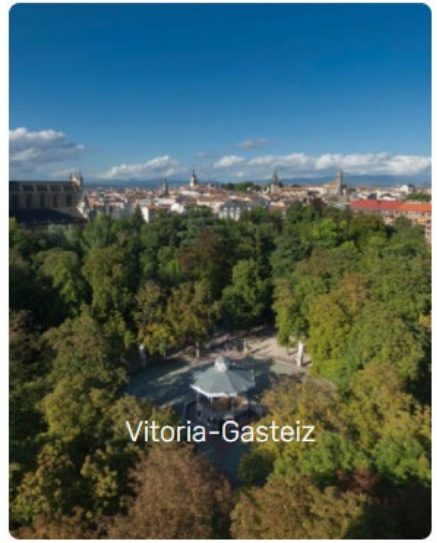
Add UVAR to the standard repertoire for sustainable mobility transitions

Regulating Vehicle Access for Improved Liveability

Different UVAR strategies will be developed, implemented and tested in the cities of: Helmond (NL), Jerusalem (IL), London (UK), Padova (IT), Vitoria-Gasteiz (ES) and the project leader Bielefeld (DE)







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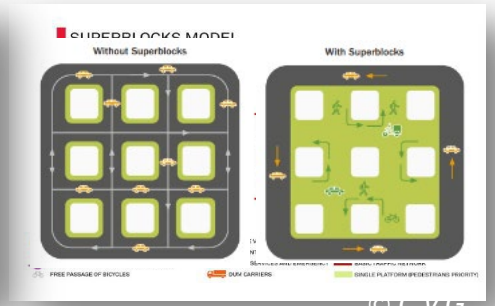
Specialists in air quality policy

TRT

Urban Vehicle Access Regulation

Urban vehicle access regulations (UVAR) – or measures to regulate vehicular access to urban infrastructure are tools that can help cities to become **more liveable, healthier and more attractive for all**.



When ‘carrots’ are not enough and ‘sticks’ are needed, these measures help to

- Reduce urban traffic and congestion
- Reduce emissions and noise hindrance
- Increase level of safety
- Free up urban space
- Improve fairness and equity

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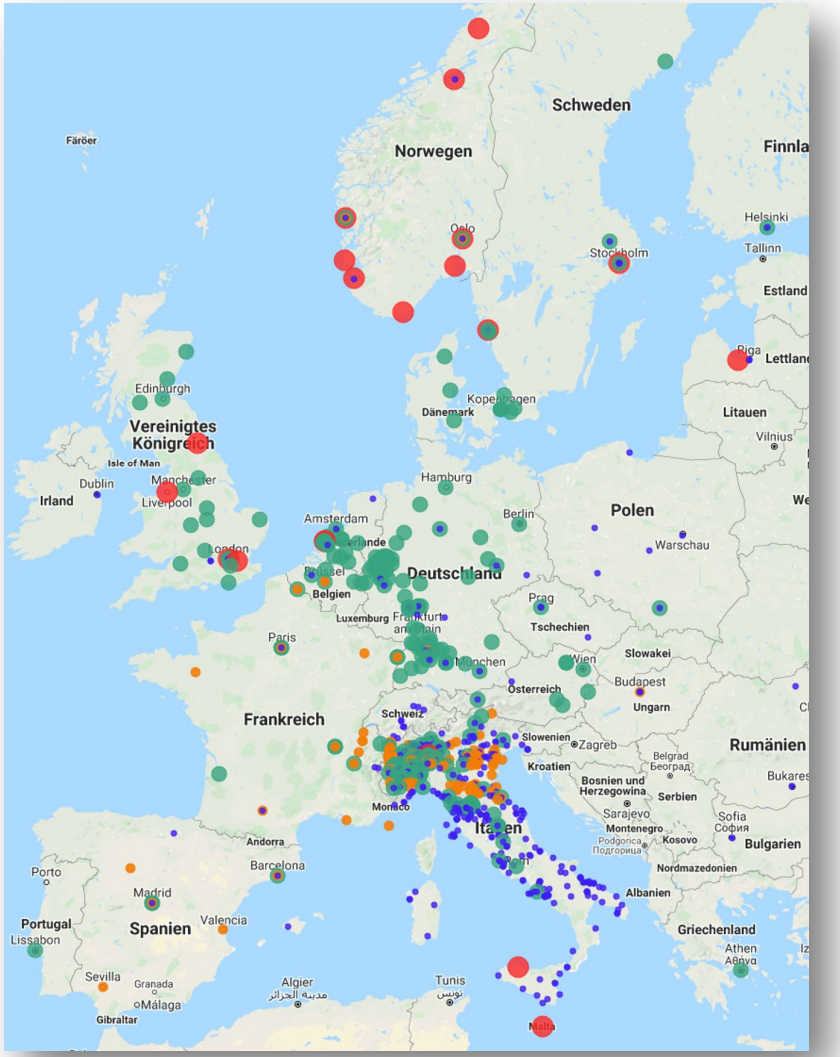
There is more to an UVAR strategy than meets the eye



Source: https://urbanaccessregulations.eu/

Measure Fields

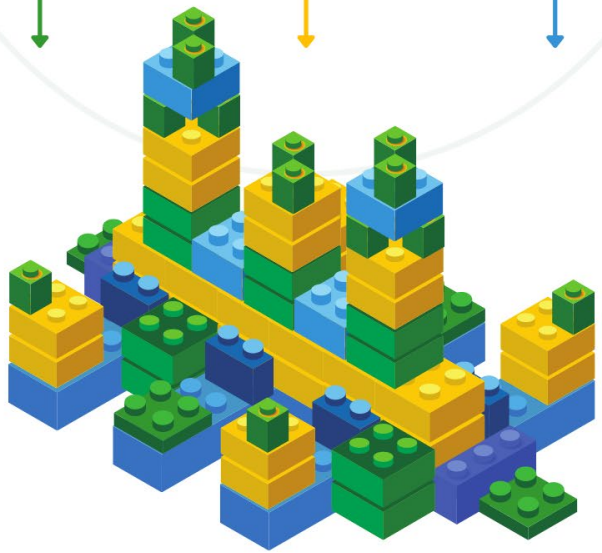
Regulatory measures

Spatial interventions

Pricing aspects

Cross-cutting Themes

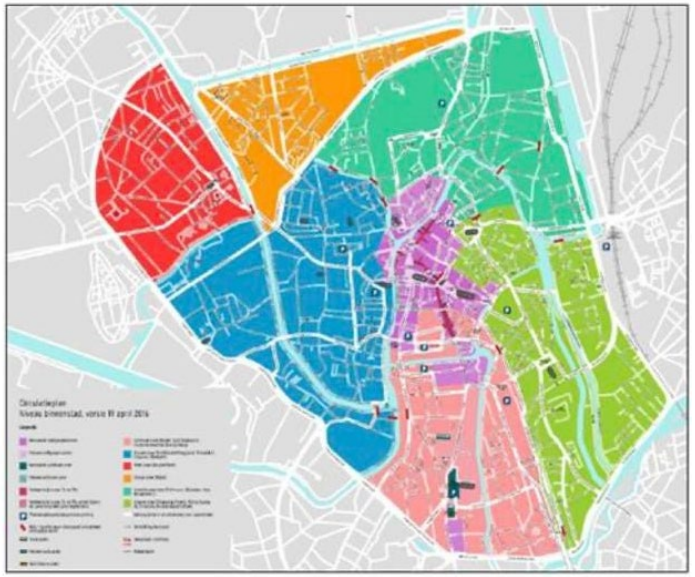
- Complementary Measures
- User Needs and Public Acceptance
- Governance and Finance
- Ensuring Compliance



9 UVAR building blocks for the Circulation Plan of City of Ghent

City is divided in 6 sections surrounding the restricted traffic area

Moving from one section to the other by using the inner city ring road



Recirculation

Road blocks as traffic filter

Speed reduction

Implementation of extra cycle lanes

Implementation of mixed-use pedestrian streets

Parklets

Permits for travel

Regulation for delivery and logistics

Through traffic ban

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9 UVAR building blocks for the Circulation Plan of City of Ghent

How a Belgian port city inspired Birmingham's car-free ambitions

▲ Moor Street Queensway in central Birmingham, left, and Veldstraat in central Ghent, right Photograph: David Warren and Clement Philippe/Alamy

Ghent's transformation produced shorter journeys, cleaner air and a cycling explosion

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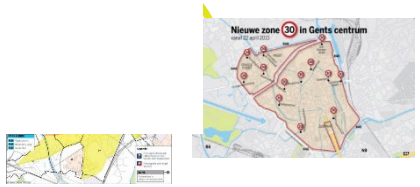
Measure Fields

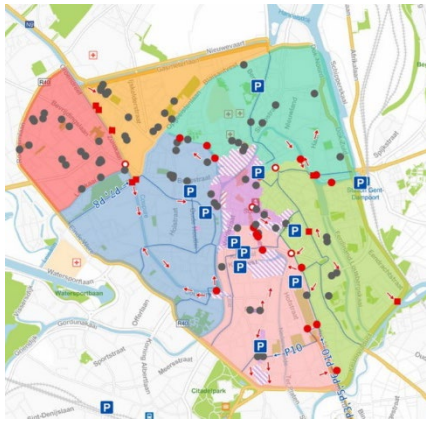
Spatial Interventions

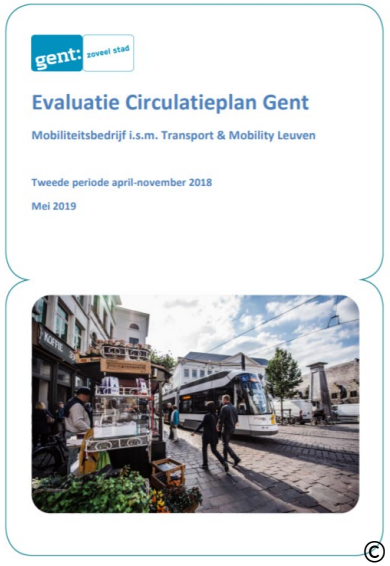
Pricing Aspects

Regulatory Measures

ReVeAL looks at a range of UVAR building blocks,
grouped under three ‘Measure Fields’, that combine into a larger strategy







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IDEA (2009-2015)

DESIGN (2015-2016)

IMPLEMENTATION (2016-2017)

OPERATION (2017-now)

ACCEPTANCE MOBILITY PLAN (Sep. 2015)

PRESENTATION CIRCULATION PLAN FINAL DRAFT (Oct. 2016)

END OF CP TRIAL PERIOD (May 2017)

Supporting events in the process of the Circulation Plan of the City of Ghent

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Cross-Cutting themes

Complementary Measures

Supporting measure to ease compliance, facilitate adaptation, and minimise equity and undesirable impacts

User Needs and Public Acceptance

Ensuring that the scheme meets user needs and is well accepted by citizens

Governance and Finance

The administrative frameworks and mechanisms

Ensuring Compliance

The tools and methods used to ensure that people can comply with the UVAR scheme

ReVeAL considers UVAR measures as part of a wider transition management challenge which requires **comprehensive and coordinated changes** in our four cross-cutting areas of urban transport systems

Inspiring Cities – Scenario building

"IT WAS BEAUTIFUL! PEOPLE FROM DIFFERENT DEPARTMENTS SITTING TOGETHER AND WORKING TOGETHER ON THE ZTL"

Rafaella Michelon, Comune di Padova
(on the scenario building workshop)

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Thank you for your attention

Sidharta Gautama, Ghent University

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