ReVeAL

Regulating Vehicle Access for improved Livability

What is to be ReVeAL-ed?

Daniel Guzman Vargas

Ghent University (Belgium)

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

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A growing trend of mixed feelings

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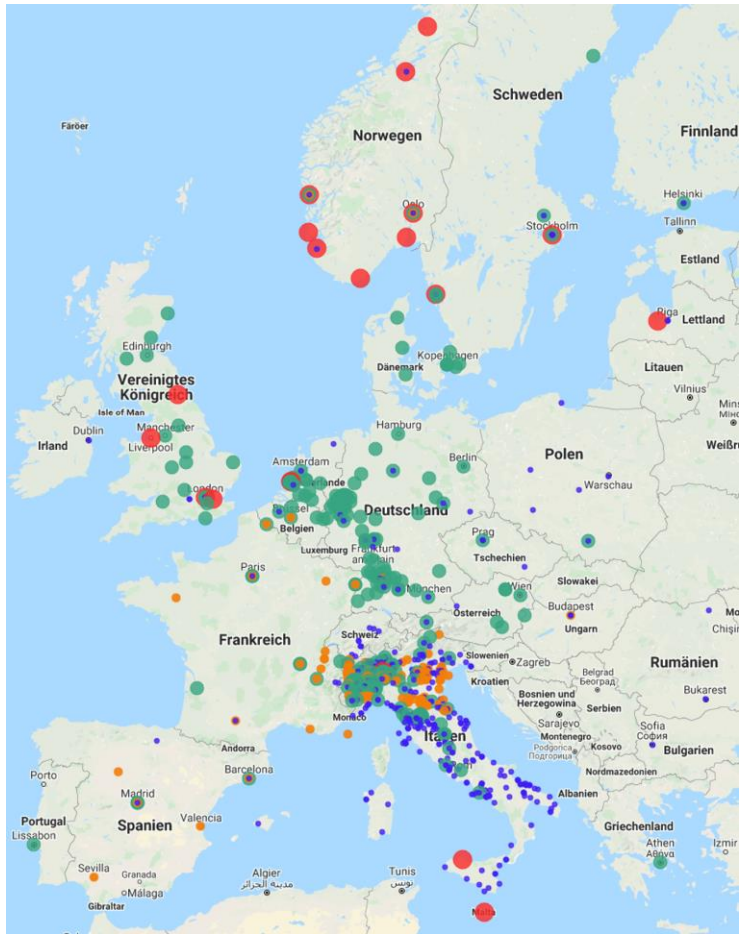

A growing trend?

- 24 European countries,
- Over 700 Urban Vehicle Access Regulations (UVARs).

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Source: https://urbanaccessregulations.eu/

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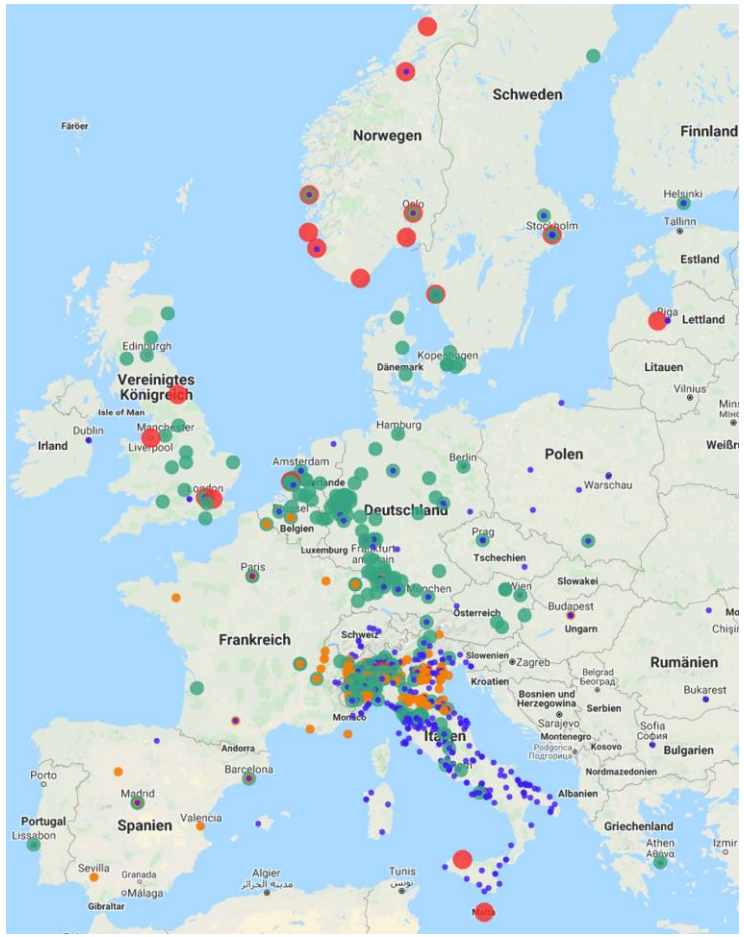

Why UVAR?

- Reduction of urban congestion.
- Reduction of emissions.
- Increased safety.
- Livability and attractiveness of the urban area.
- A source of income (?).
- Because carrots aren't enough.

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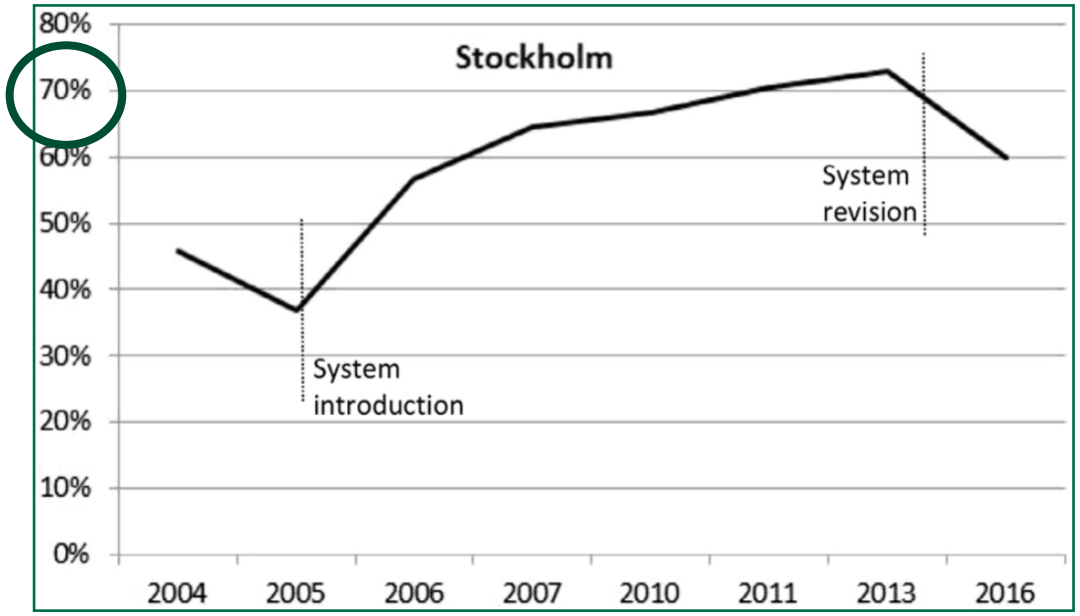
Source: https://urbanaccessregulations.eu/

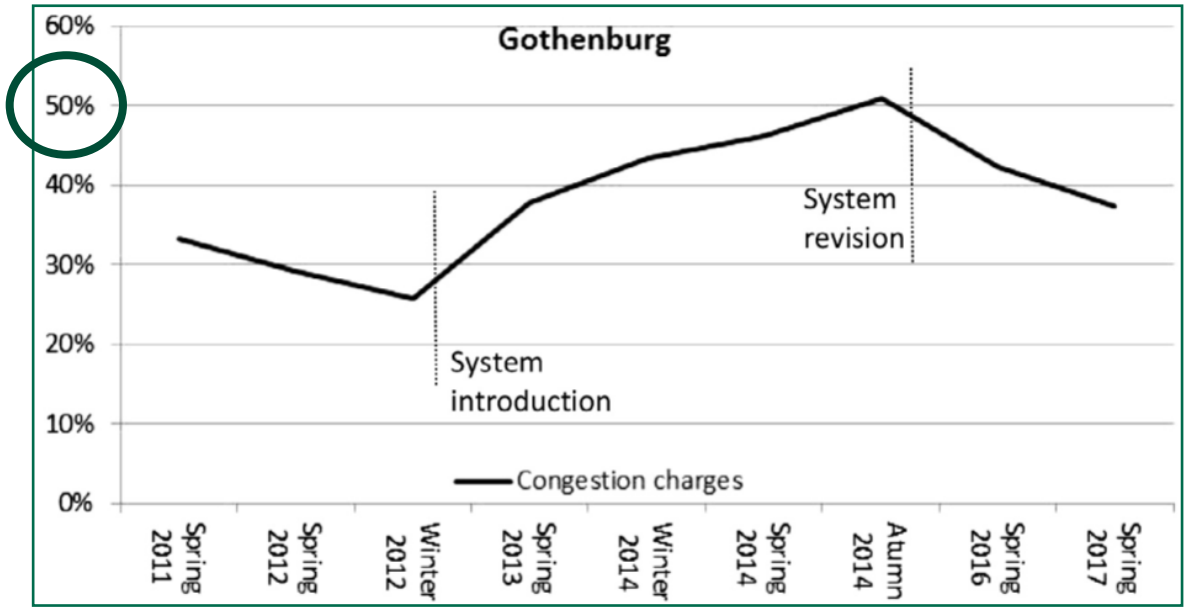
Then what is behind UVAR that inspires such mixed feelings?

- Whilst city administrators can see UVAR as useful tools for a better city,
- A variety of stakeholders perceive them as ban and restrictions to their daily activities.

Replicating best practices is a “science”!



Share of respondents in favor of CC. *Repeated surveys conducted by city of Stockholm*



Share of respondents in favor of CC. *Repeated surveys conducted by city of Gothenburg*

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Börjesson, M., & Kristoffersson, I. (2018). The Swedish congestion charges: Ten years on. Transportation Research Part A: Policy and Practice, 107(October 2017), 35–51.

ReVeAL: The Ambition

- Tools to support a systematic and coordinated way to develop best practices,
- innovation with regards to governance,
- to highlight different UVAR technologies and services,
- to provide a better understanding of how to look at user needs and acceptance,
- to structure the way in which the mobility system accompanying access regulations should be approached,
- Ways of future-proof UVAR

ReVeAL: The Methodology

- Action research project
- Combines desk research with empirical data and expert knowledge
- With on-the-field testing
- Through impact assessment and process evaluation

→ Tailored UVAR support and guidance

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The UVAR Transition framework: *Breaking up the puzzle and making up the transition*

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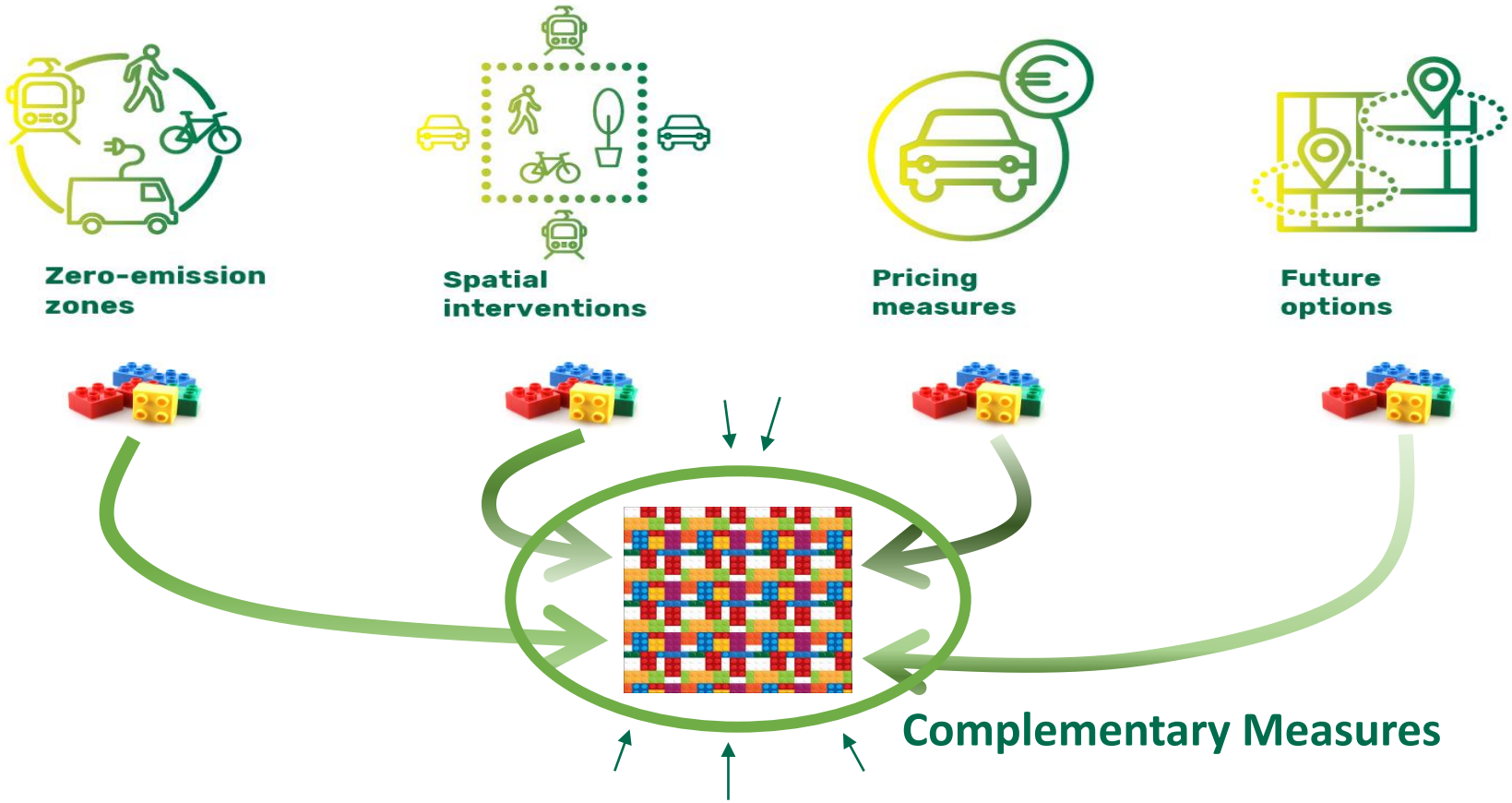
Breaking up the puzzle

Measure Fields

UVAR Building blocks



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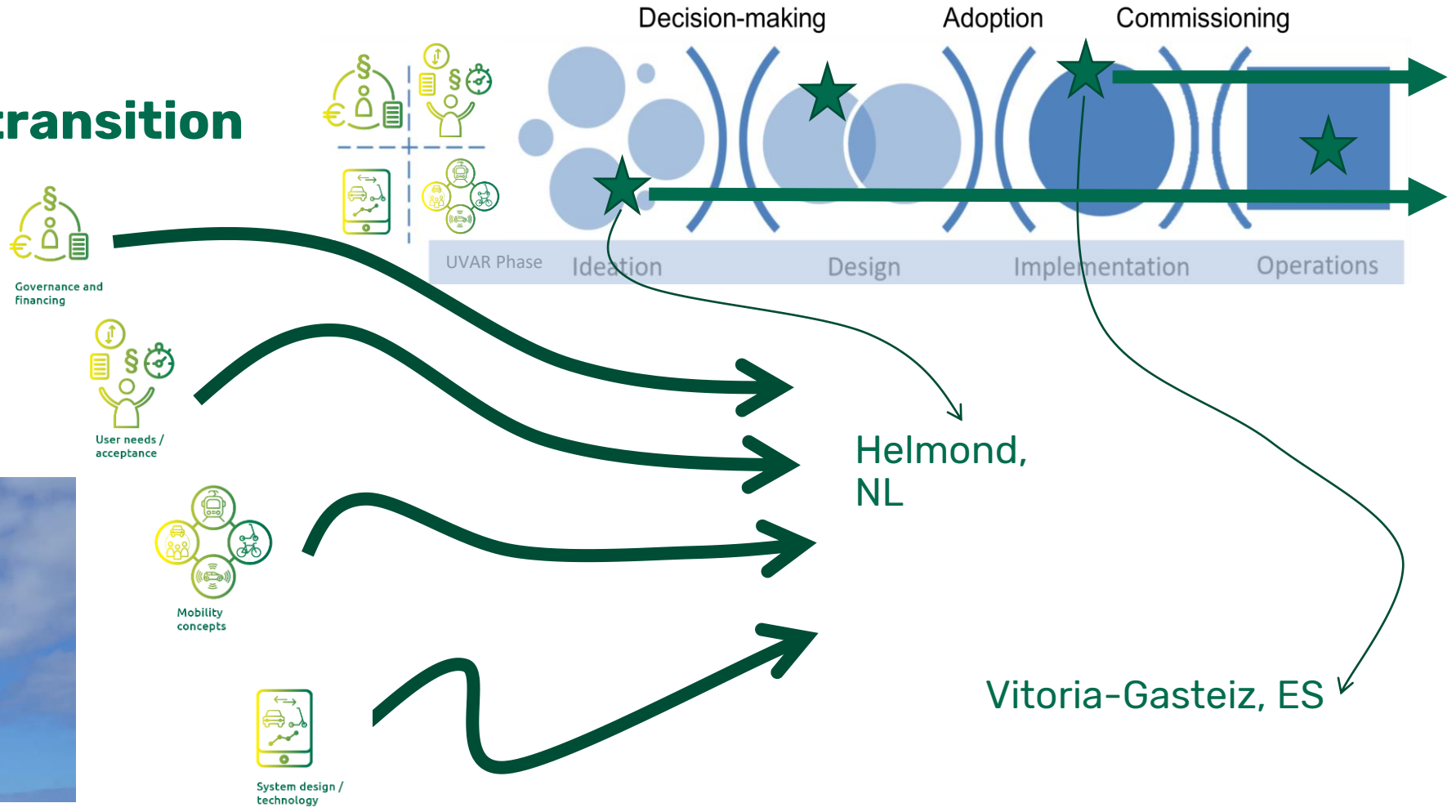
Making up the transition

Four UVAR Transition Areas



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UVAR Options and building scenarios

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The UVAR Options Database

Eight city cases:

- Barcelona, ES
- Bologna, IT
- La Rochelle, FR
- Amsterdam, NL
- London, UK
- **Ghent, BE → Coming up next!**
- Milan, BE
- Mechelen, BE

Scenario Building

- Reflect business-as-usual and ambitions of ReVeAL measure

✓ Selection of ReVeAL options

✓ Specific city context and needs

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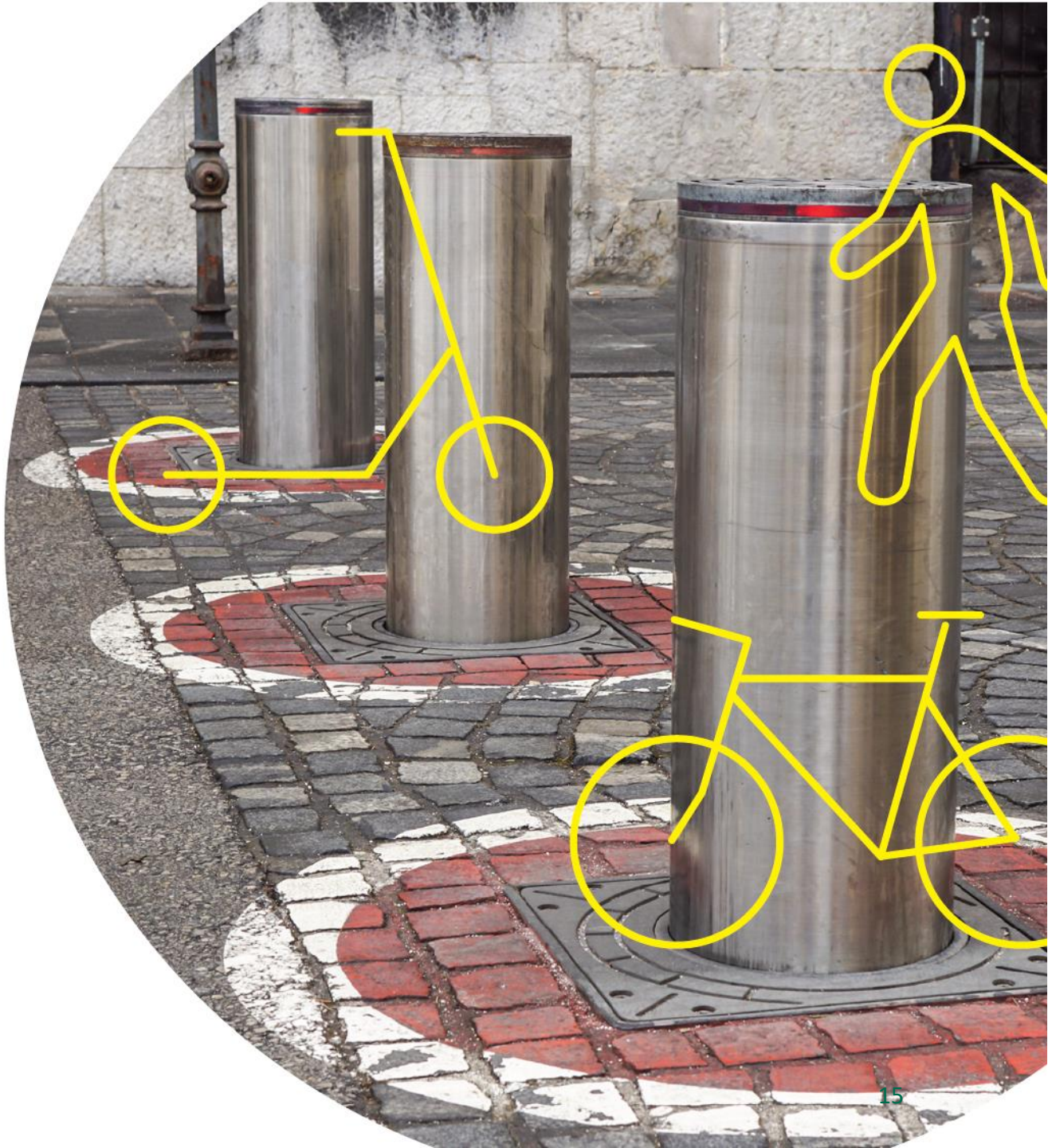
Pilot implementing and testing



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ReVeAL: Made for the cities

Six pilot city cases:

- Helmond, NL
- Vitoria-Gasteiz, ES
- London, UK
- Bielefeld, DE
- Jerusalem, IL
- Padua, IT

Reference group:

- Local government policy makers
- Transport service and solutions providers
- Technology suppliers
- End user organizations

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Impact assessment and process evaluation

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The ReVeAL Evaluation framework

- Qualitative and quantitative data
- Detect patterns
- Draw empirically founded conclusions
- Identify transferable lessons
- Recommendations for practitioners and policy makers

ReVeAL: The Methodology

1. UVAR transition framework and change management
2. Reviewing UVAR options and building scenarios
3. Pilot implementation and testing
4. Impact assessment and processes

→ Tools for cities: ReVeAL DSS and Option Generator

ReVeAL is born from the love to cities

- Add urban vehicle access regulations (UVARs) to the standard repertoire
- To spark, implement and future-proof a new generation of UVAR approaches
- Encourage sustainable transport choices
- Enable cities to improve livability, and optimize urban space and transport network
- Facilitate identification of the UVAR options and best practices

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Partners:

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SADLER CONSULTANTS GERMANY	TRANSPORT FOR LONDON UK	TRT ITALY	V-TRON THE NETHERLANDS	WSP SWEDEN					

Featuring:

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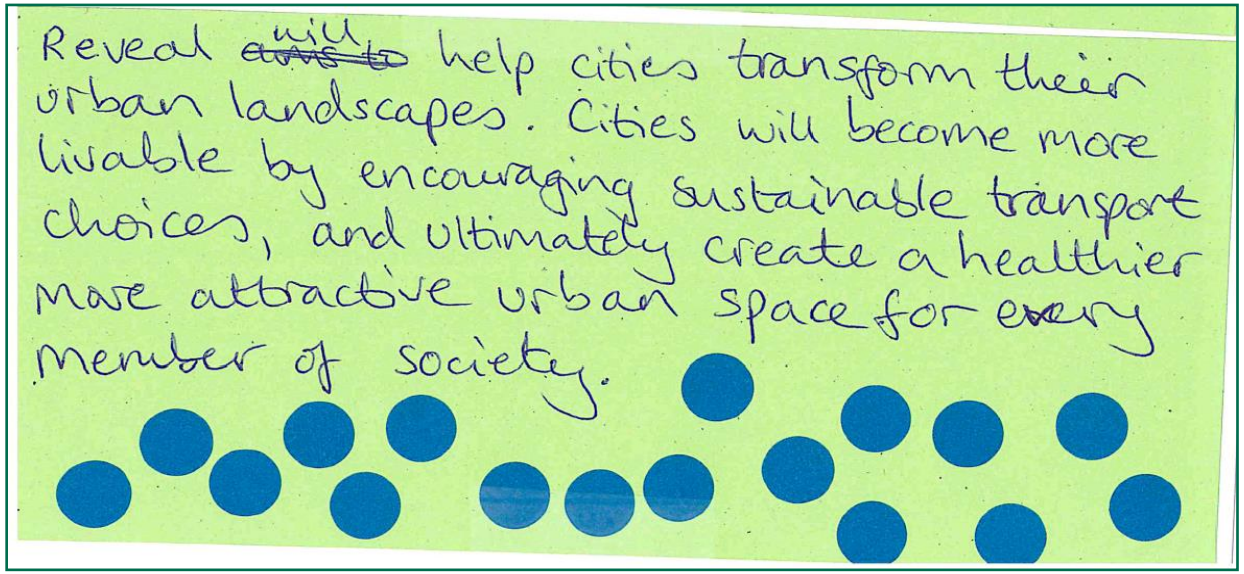

Thank you for joining us!

Ir. Daniel Guzman Vargas – Ghent University

Daniel.GuzmanVargas@UGent.be

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