A city's perspective on geofencing as a tool for traffic management and planning

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Hållbar stad – öppen för världen

Vision of the future city

Photo: City of Stockholm

Photo: Volvo Group

Geofencing in Sweden

Screenshot from film

[Swedish geofencing initiatives - YouTube](#)

Challenges

Eco-system for data exchange in a digitalized transport system

Graphics: Sweden Transport Administration
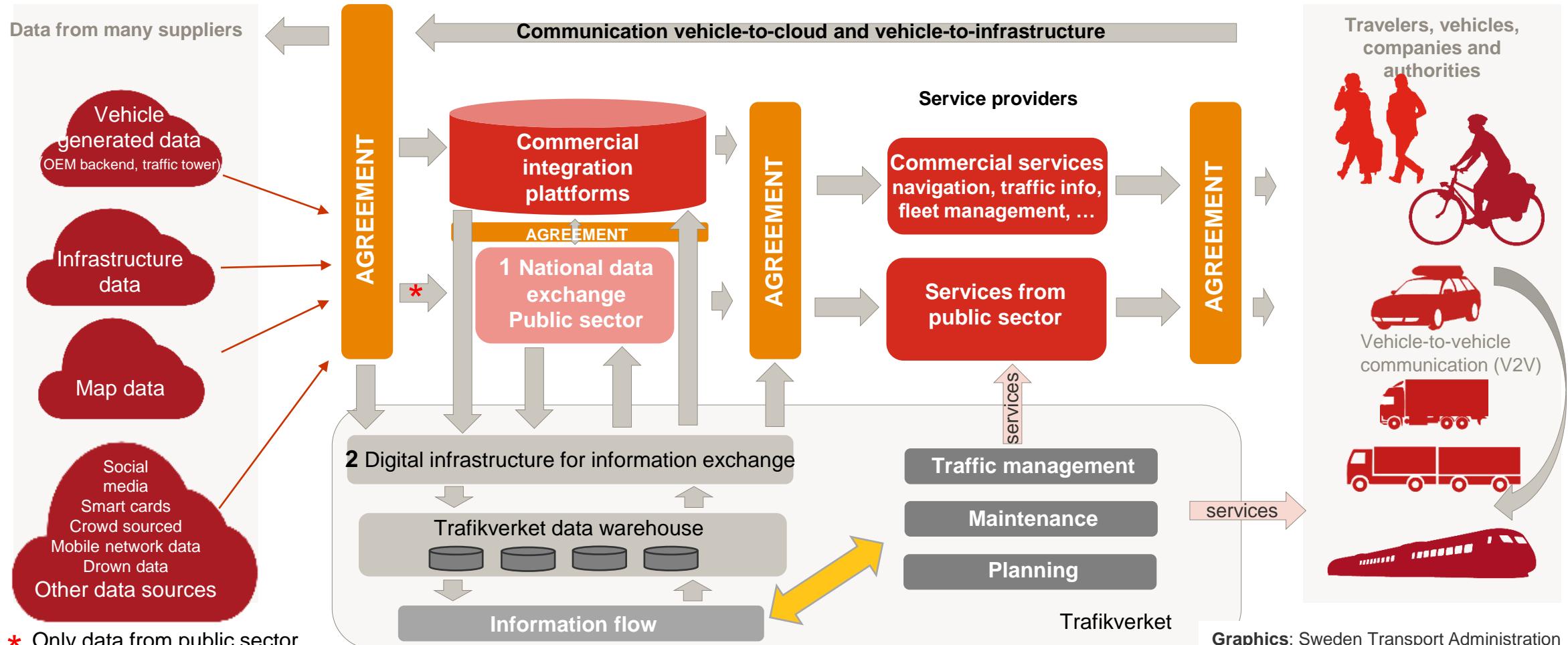
Enforcement strategies

- **Dependent on EU Legislation**

- Current possibilities
  - Voluntary agreements
  - Public procurement
  - Conditioned transport

Photo: Scania

Photo: City of Stockholm

Smart Urban Traffic Zones

Photo: City of Stockholm

WP 1

Innovation zone Hornsgatan

Speed adaptation of delivery vehicles depending on the amount of vulnerable road users
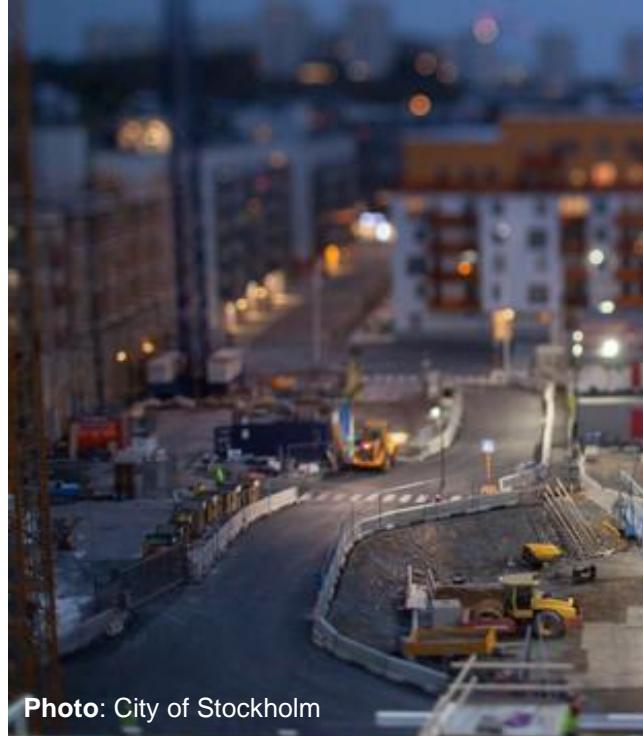
Photo: City of Stockholm

WP 2

Digitally issued exemption for construction transports

Increased load efficiency for heavy mass transports through speed limitations

Photo: CLOSER

WP 3

Construction site exits

Increased safety for vulnerable road users at constructions site exits

GeoSence

- Geofencing strategies for implementation in urban traffic management and planning
  => GUIDELINE

- **Design**, **trial** and **evaluate geofencing concepts** and **solutions** for specific cases in cities
  – within the project
  – from other geofencing initiatives

- User acceptance, policy/legislation, governance

Photo: Peter Svensson

Photo: Frida Winter

Partners from **Germany, Norway, Sweden** and **UK.**

Stakeholders from different parts of Europe.

Tests of digital geofencing platform

Screenshot from film

[Geofencing tests in Gothenburg 2021](#)

Thank you for your attention!

References

- [National geofencing program](#)

- [ElectriCity arena](#)

- [Digitalized Infrastructure Zones](#)

- [Civitas Eccentric](#)

- [NordicWay](#)

- [Smart Urban Traffic Zones](#)

- [GeoSence](#)

- [City platform for micromobility](#)

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