



The role of National Access Points for mobility data provision in Europe

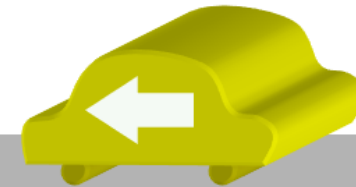
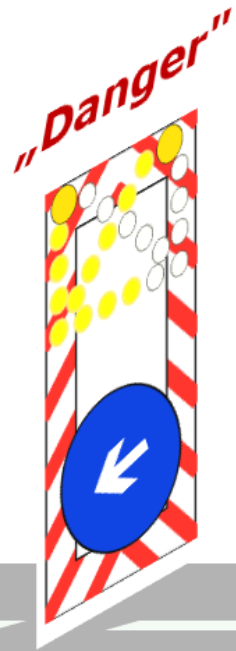
7th Conference on Sustainable Mobility and Intelligent Transport Systems

9 December 2022

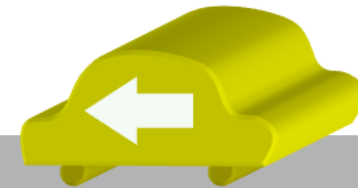
Timo Hoffmann

NAPCORE General Secretary
German Federal Highway Research Institute (BASt)

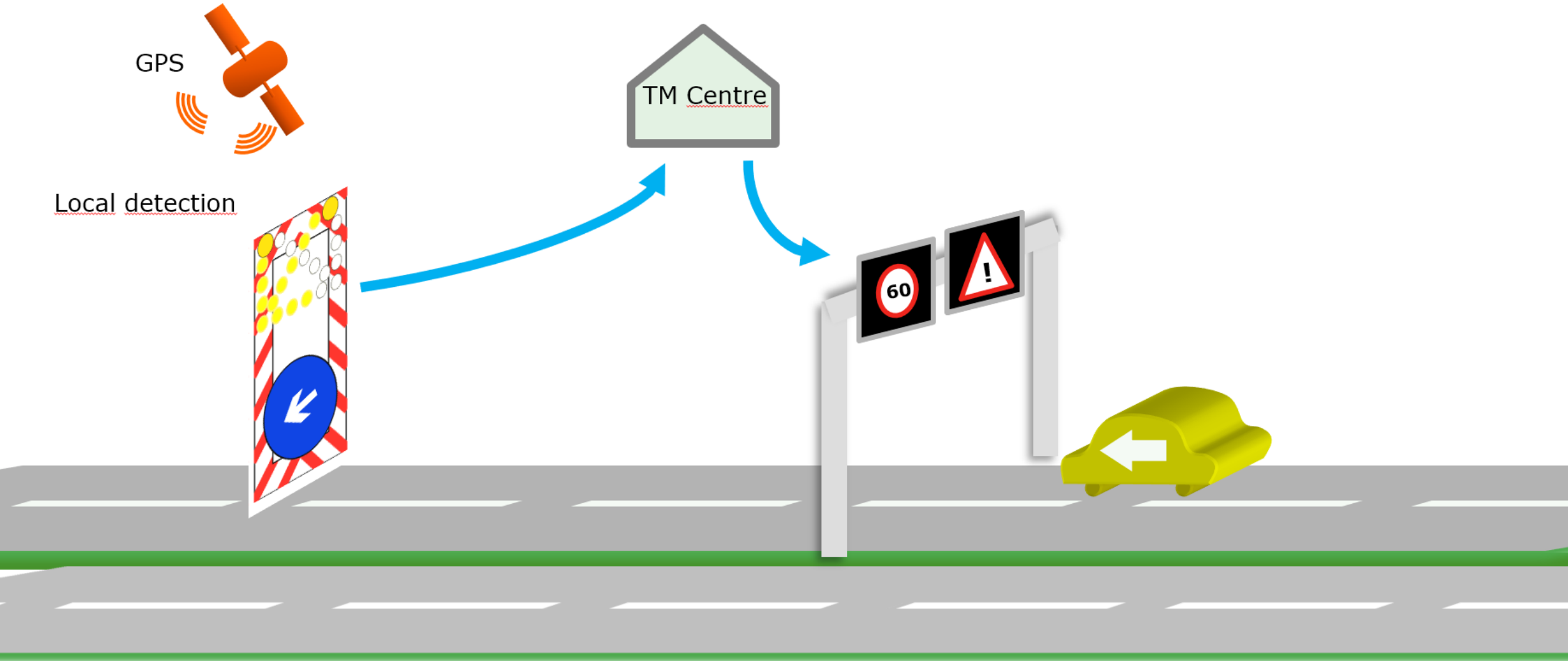
A simple example of traveller information



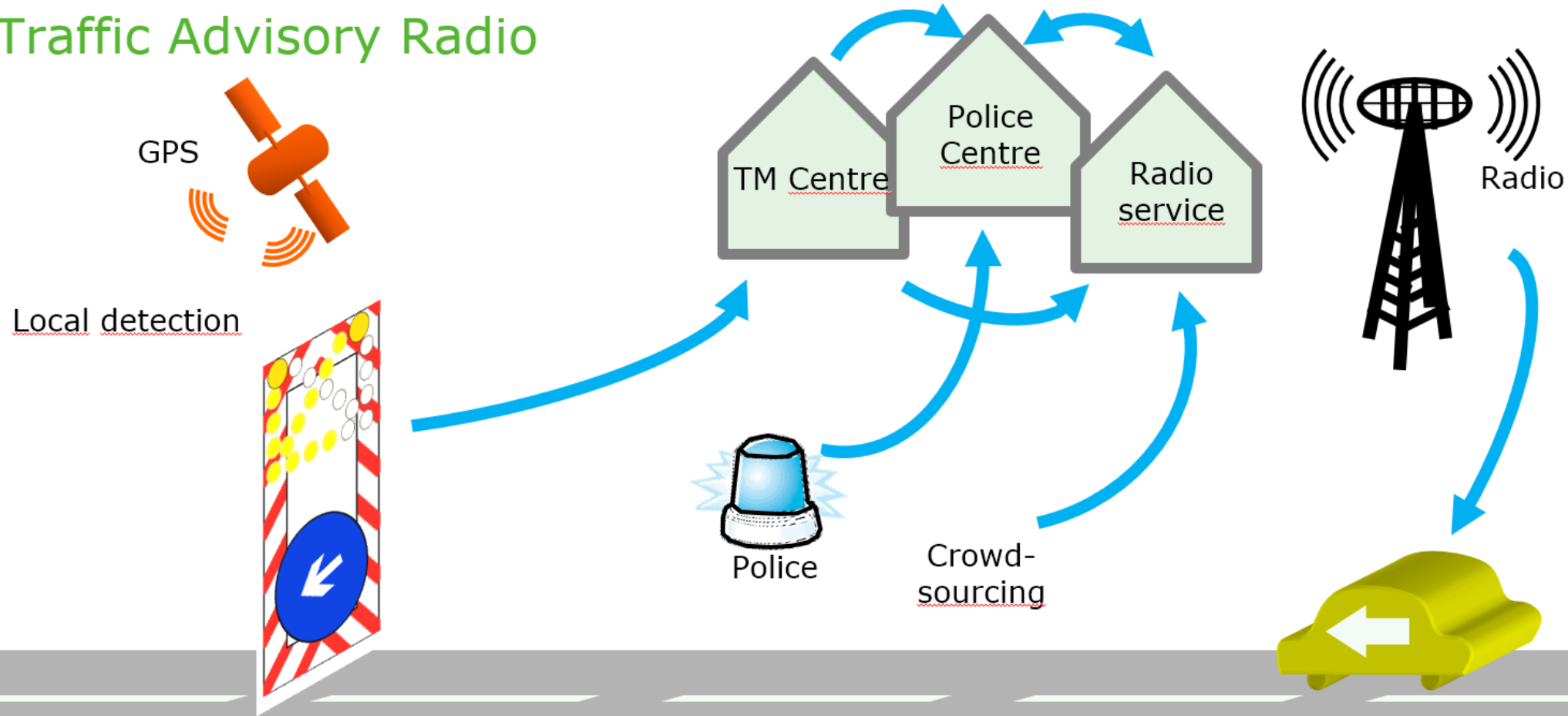
Signage



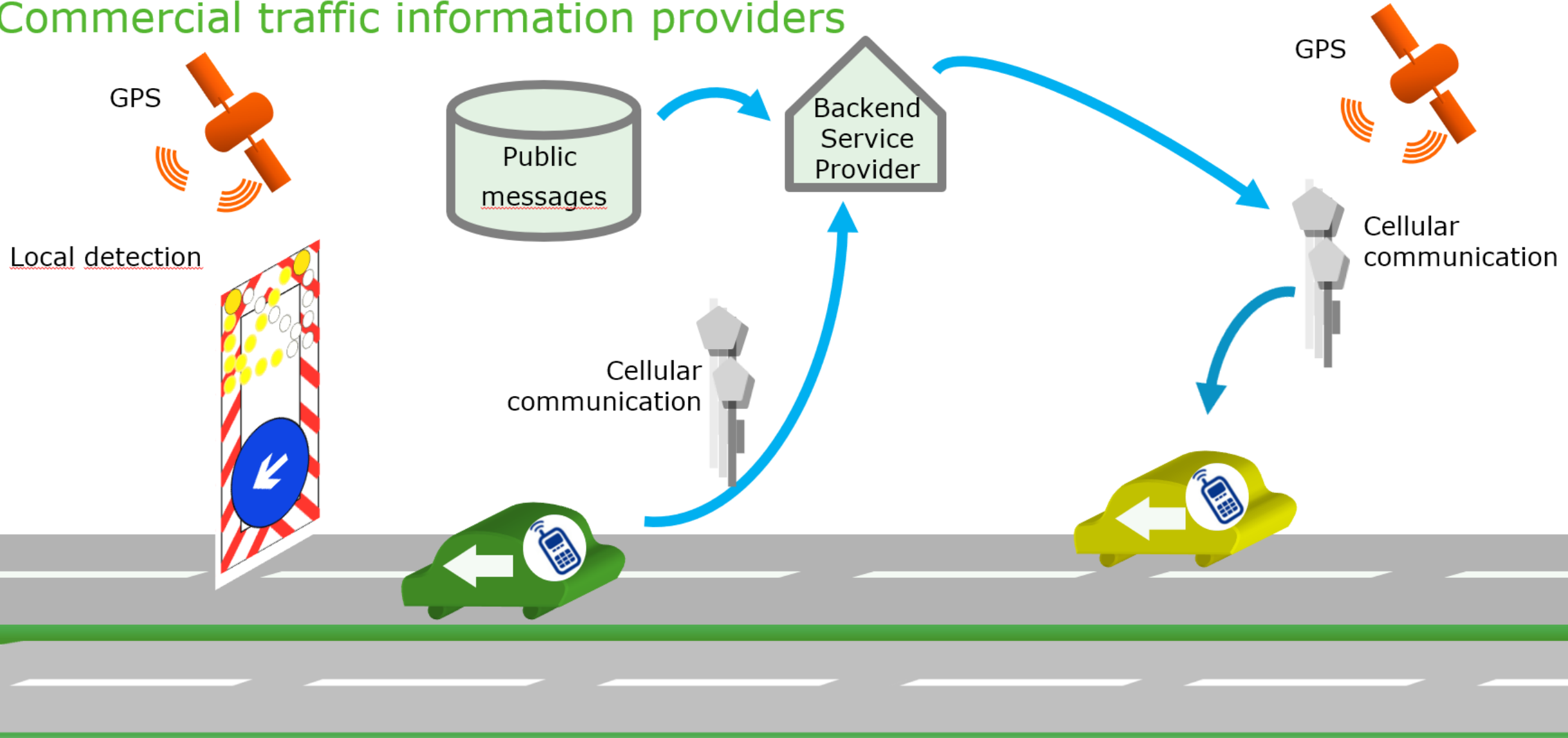
Traffic Management (TM)



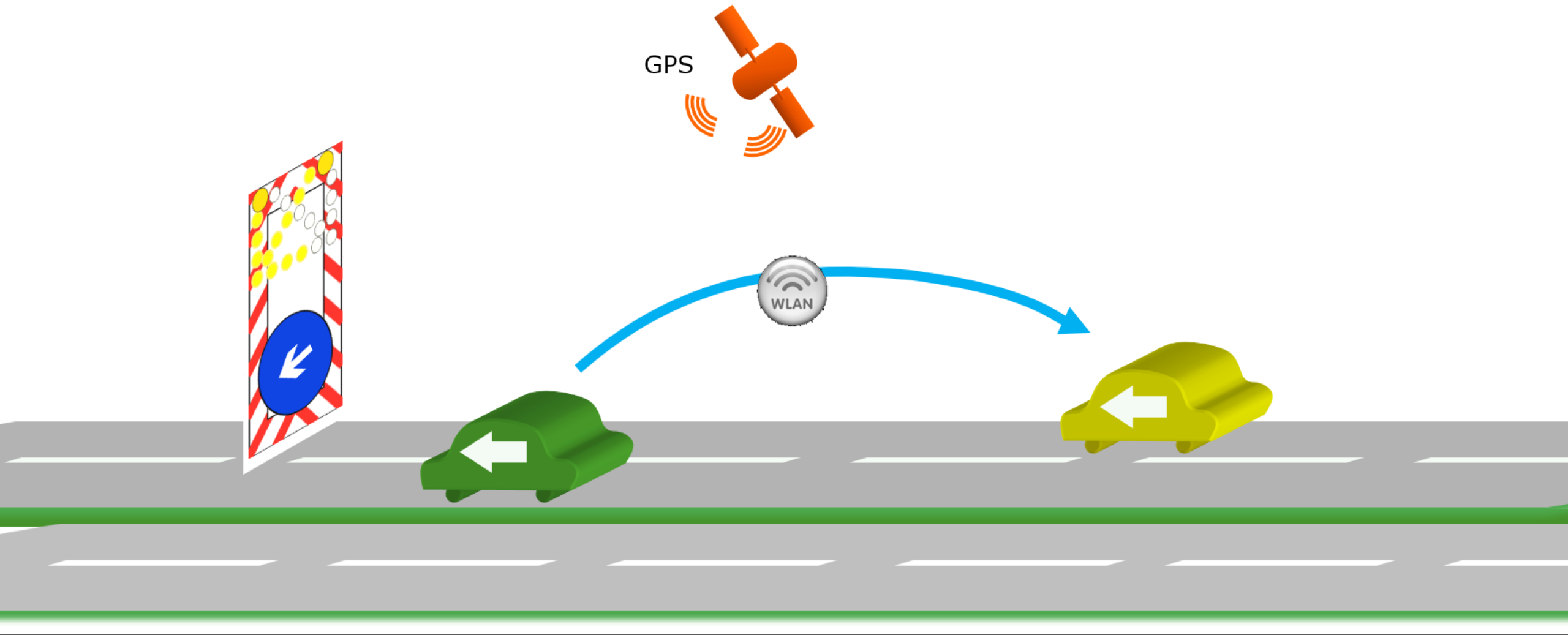
Traffic Advisory Radio



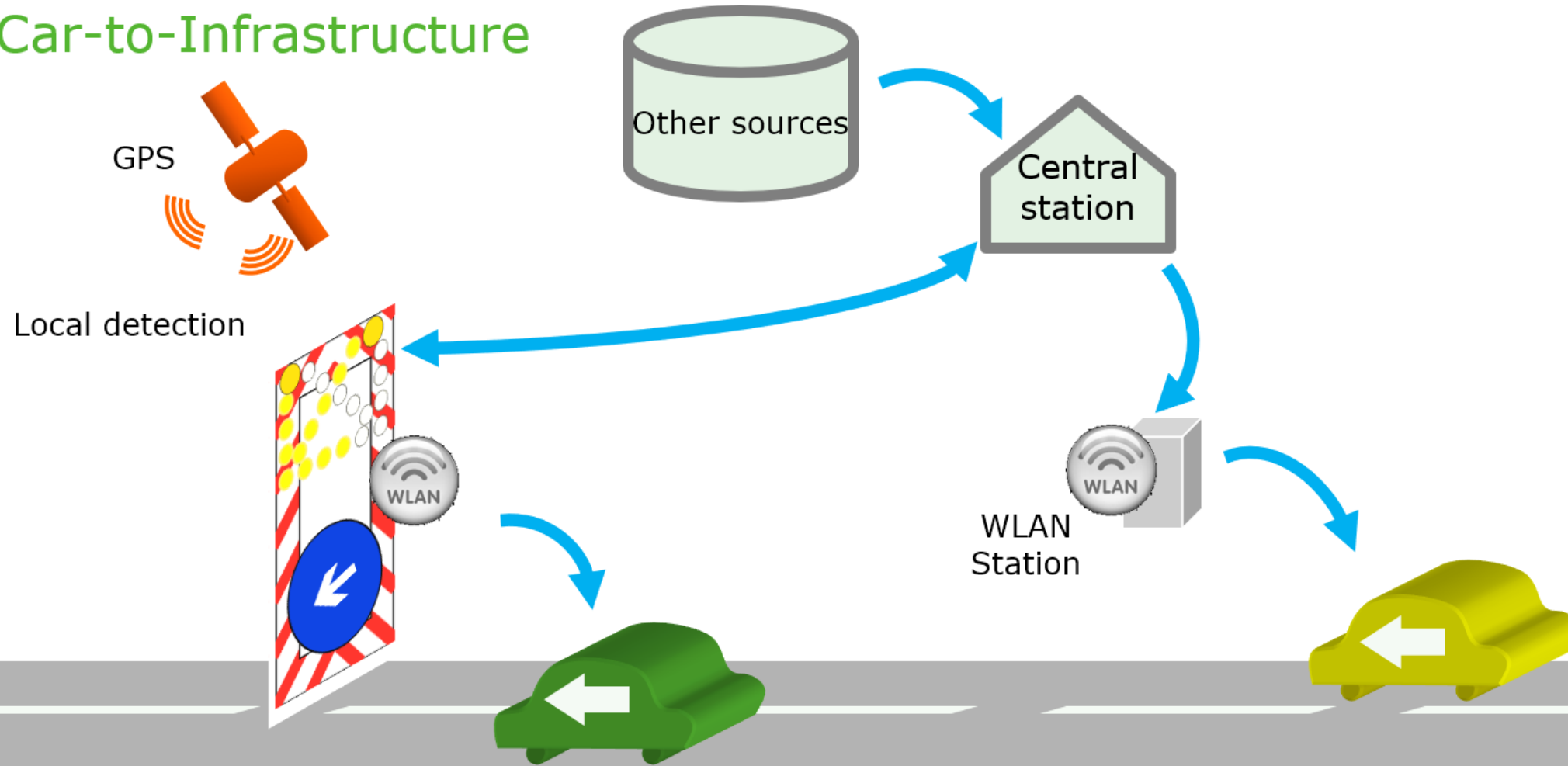
Commercial traffic information providers



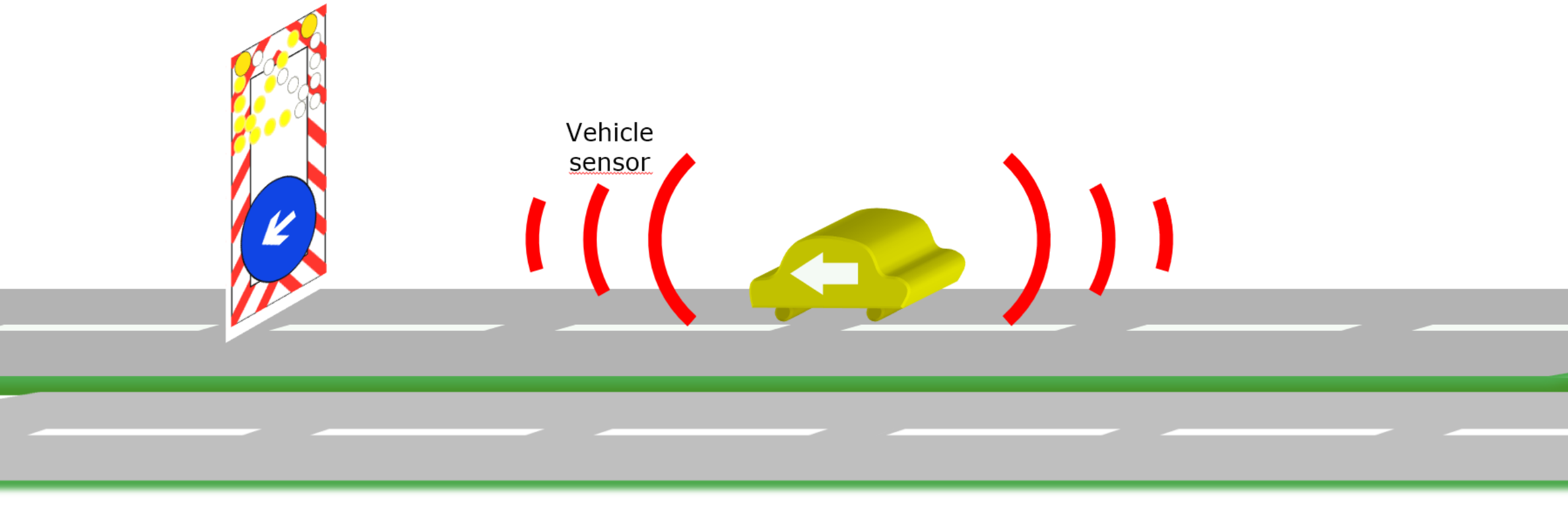
Car-to-Car Communication

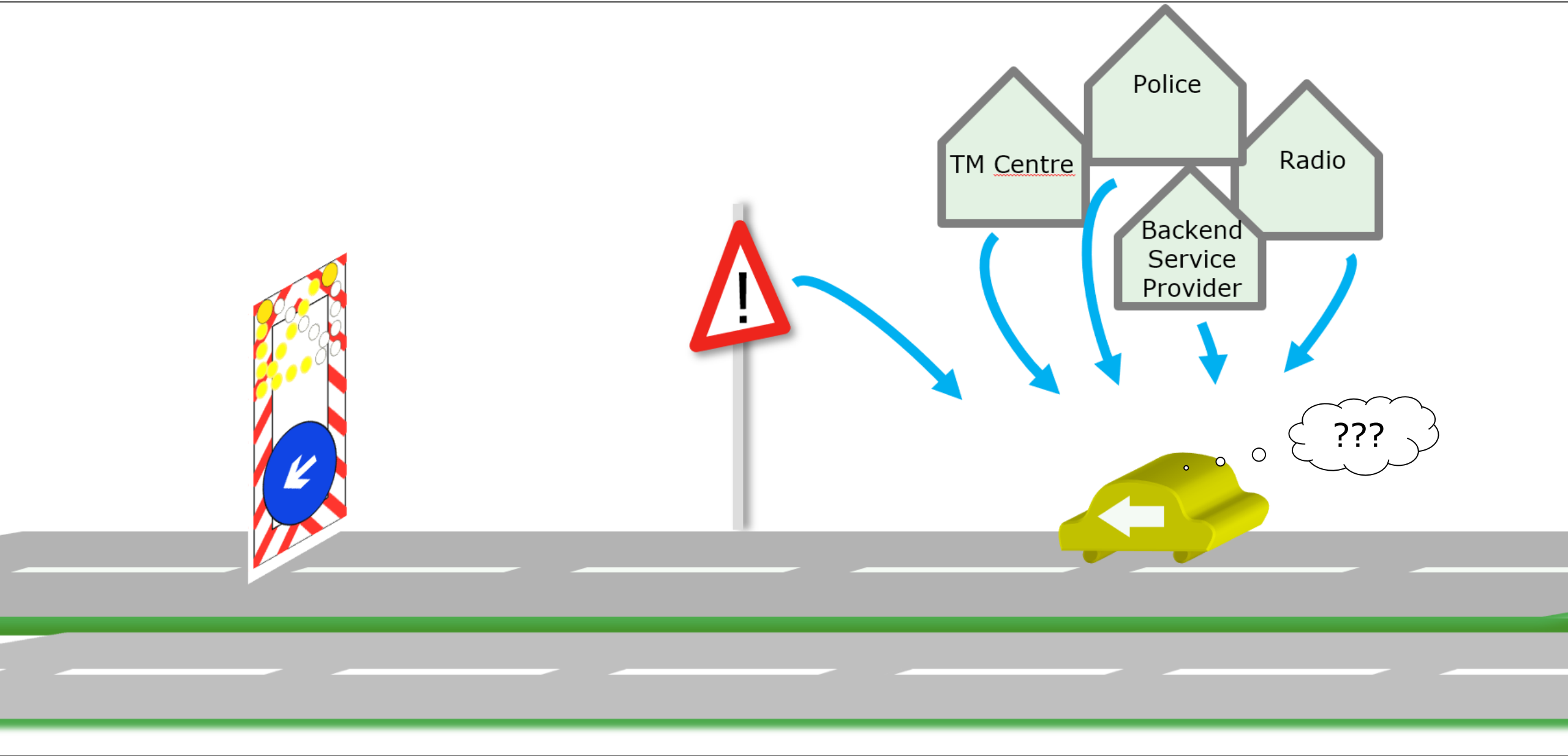


Car-to-Infrastructure

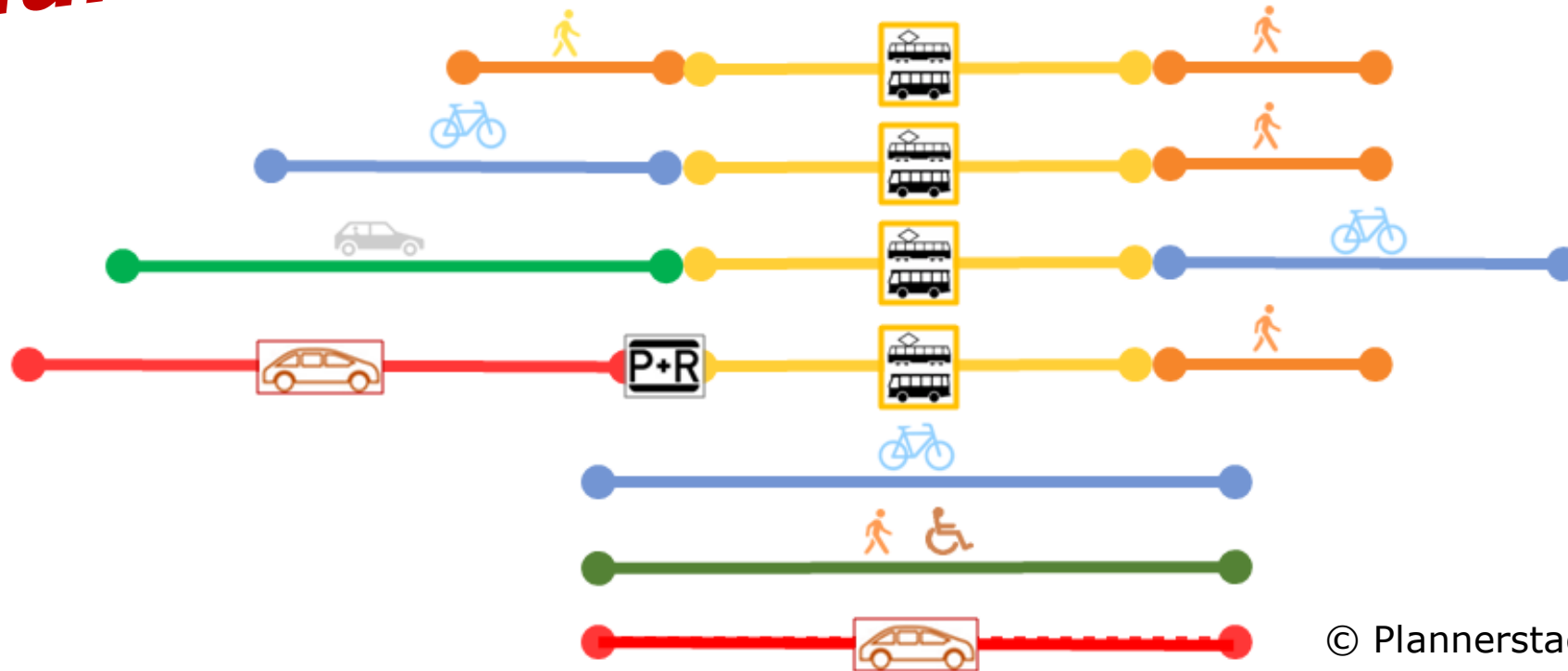


Driver assistance with vehicle sensors and automatisatisation





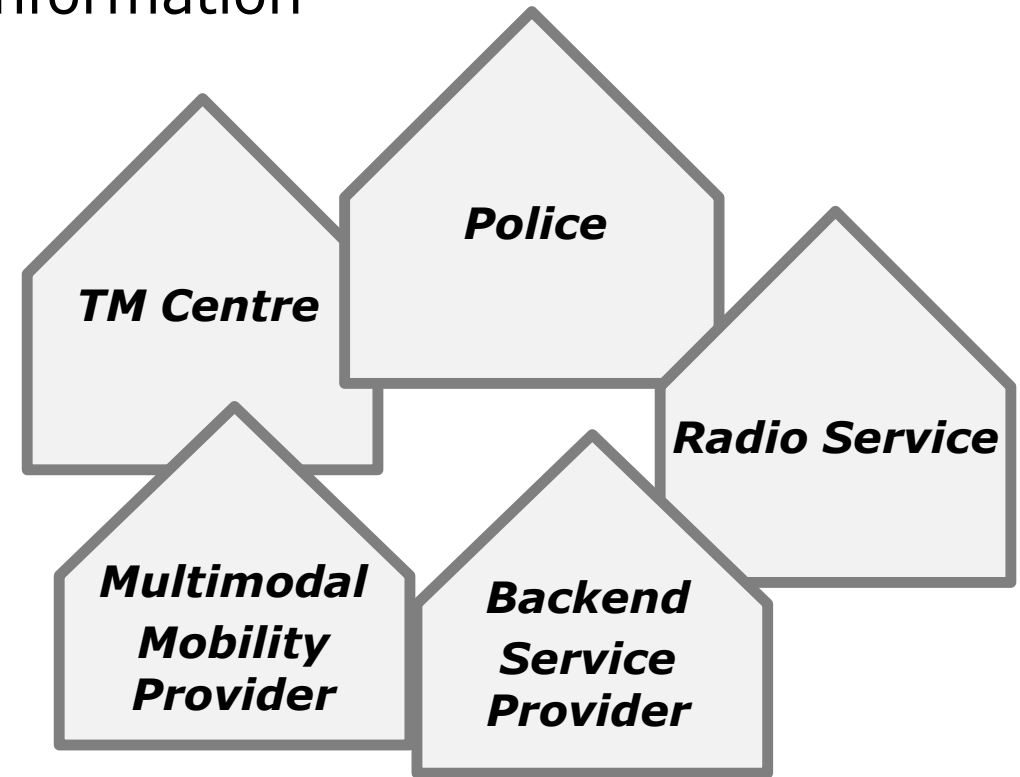
...and it's even more complicated with multimodal travel!



Our challenge

Consolidation and harmonisation of mobility information

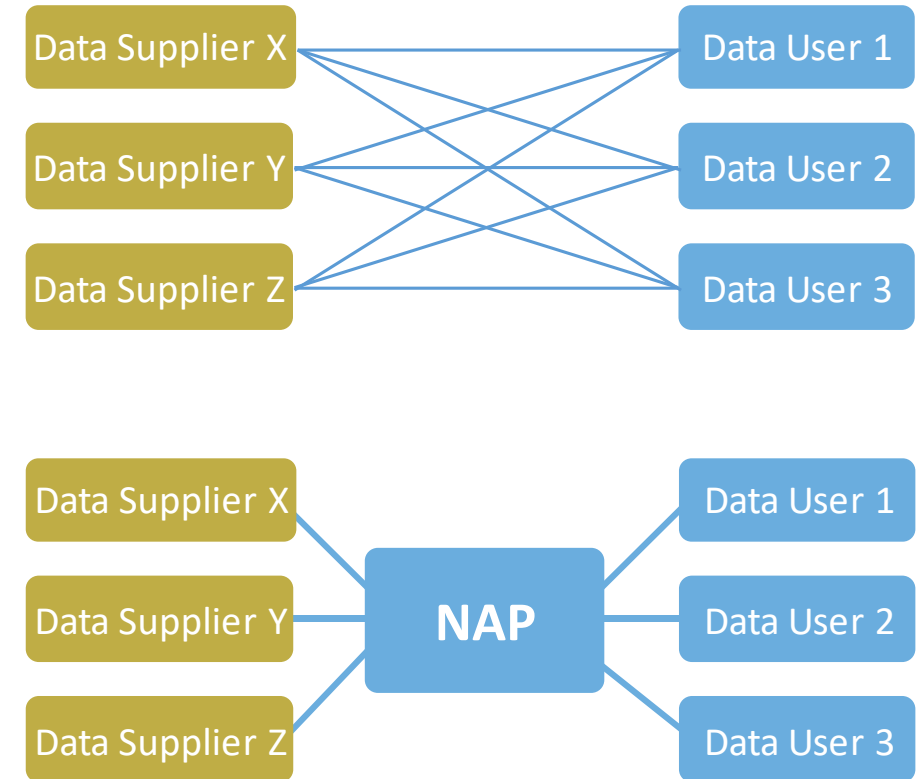
- ➔ organisationally,
- ➔ functionally and
- ➔ technically.



NAPs as a building block for digitalisation of mobility

Why a NAP?

- ➔ Facilitate access, exchange and reuse of data
- ➔ Connect data suppliers and users
- ➔ Support EU-wide interoperable ITS services



NAPs as a building block for digitalisation of mobility

Trafficdata.se

What is a National Access Point (NAP)?

- ➔ A data platform for transport/mobility data,
- ➔ in the form of a repository, registry, web portal or similar,
- ➔ installed by a EU Member State.



NAPs as a building block for digitalisation of mobility

Legal context

➔ EU ITS Action Plan and Directive

https://ec.europa.eu/transport/themes/its/road/action_plan_en



The screenshot shows the European Commission website page for 'MOBILITY AND TRANSPORT'. The breadcrumb trail is: European Commission > Transport > Transport themes > Intelligent transport systems > Road > Action Plan and Directive. The page features a navigation menu with 'Home', 'Transport Modes', 'Transport Themes', 'Media Corner', 'Facts & Fundings', and 'About Us'. The main content area is titled 'Intelligent transport systems' and 'Action Plan and Directive'. It contains three paragraphs of text explaining the ITS system, the 2010/40/EU Directive, and the 2008 Action Plan. A sidebar on the right lists 'Intelligent transport systems' with sub-items: 'Cooperative, connected and automated mobility (CCAM)', 'Road', 'Application Areas', and 'Action Plan and Directive'. The 'Action Plan and Directive' section is expanded, showing a list of topics: 'National Access Points', 'The interoperable EU-wide eCall', 'Public funding guidelines', 'Cooperative systems', 'ITS & Vulnerable Road Users', 'Intelligent Transport Systems for Urban Areas', 'Traffic and Travel Information', 'Safe and secure truck parking', 'Open In-Vehicle Platform', 'Public data for digital maps', 'Availability and access to road data', and 'Personal data protection and security aspects related to ITS'. At the bottom, there is a 'Related documents' section with a 'Legislation' subsection listing the 'Extension of the ITS Directive'.

NAPs as a building block for digitalisation of mobility

Legal context

➔ EC Delegated Regulations

- (EU) 2017/1926 - MMTIS
Multi-modal travel information services
- (EU) 962/2015 => *new: 2022/670 – RTTI*
Real-time traffic information
- (EU) 886/2013 – SRTI
Safety-related traffic information
- (EU) 885/2013 – SSTP
Safe and secure truck parking

Article 7

Availability, exchange and reuse of data

1. Public and/or private road operators and/or service providers shall share and exchange the data they collect pursuant to Article 6. For that purpose, they shall make these data available in the DATEX II (CEN/TS 16157) format or any fully compatible and interoperable with DATEX II machine-readable format through an access point.

NAPCORE: National Access Point Coordination Organisation for Europe

- 33 Partners
- 37 Implementing Bodies
- 3 Associated Partners

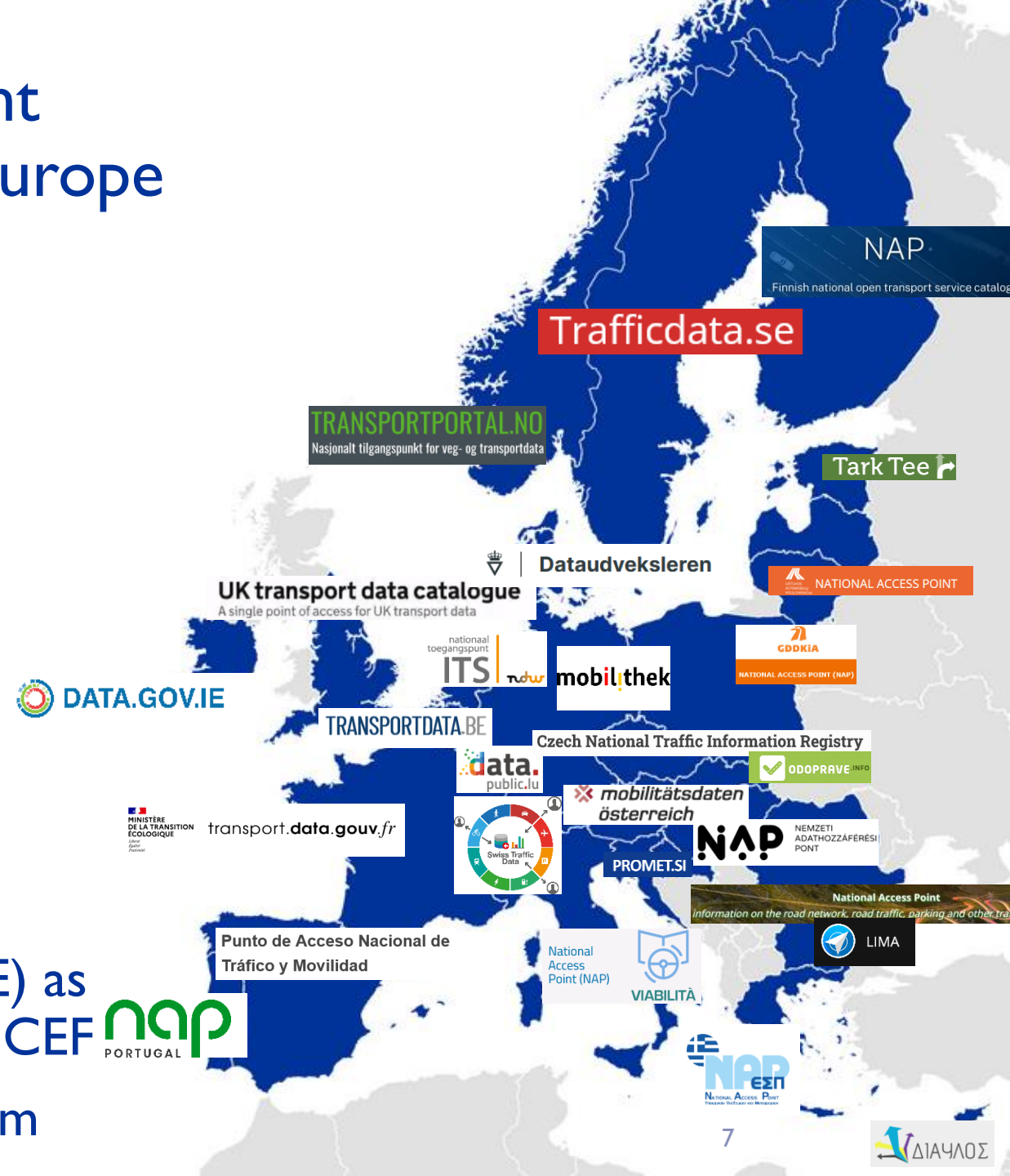
Covering:

- Member States (Ministries) and National Road Authorities
- (National) Road Operators
- International Organisations

Co-funded by:

- European Commission (DG MOVE) as Programme Support Action under CEF

Runtime: 2021 – 2024, Budget €16m



NAPCORE Goals

NAPCORE is a project to coordinate the National Access Points (NAPs) and National Bodies (NBs) established under the ITS Directive. Its goals are to

1. facilitate EU wide coordination of NAPs and NBs for the harmonisation of the implementation of the European specifications on the ITS Directive
2. increase interoperability by (further) establishing standards and recommendations for data exchange formats, content, access and data availability in the mobility domain in Europe
3. empower the NAPs as the backbone for ITS digital infrastructure and mobility data exchange in Europe
4. address existing and upcoming developments and challenges with a joint European strategy, vision and voice.

NAPCORE – Keep up to date

- NAPCORE website: napcore.eu
- NAPCORE has its own LinkedIn Group
- NAPCORE YouTube channel
- NAPCORE events
- Feel free to reach out via mail to
General Secretary, Activity Leads, Ambassadors ⇒
napcore@bast.de

