



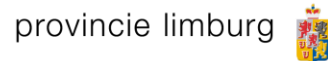
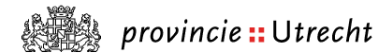
NDW: National Data Warehouse for Traffic Information

- what is this nationwide portal for traffic information?
- standardisation as a technical reflection of the will to cooperate!

DATEX II Forum
Utrecht, May 23, 2018

Frits Brouwer
Director NDW

A unique alliance of 19 road authorities



Purpose and operation

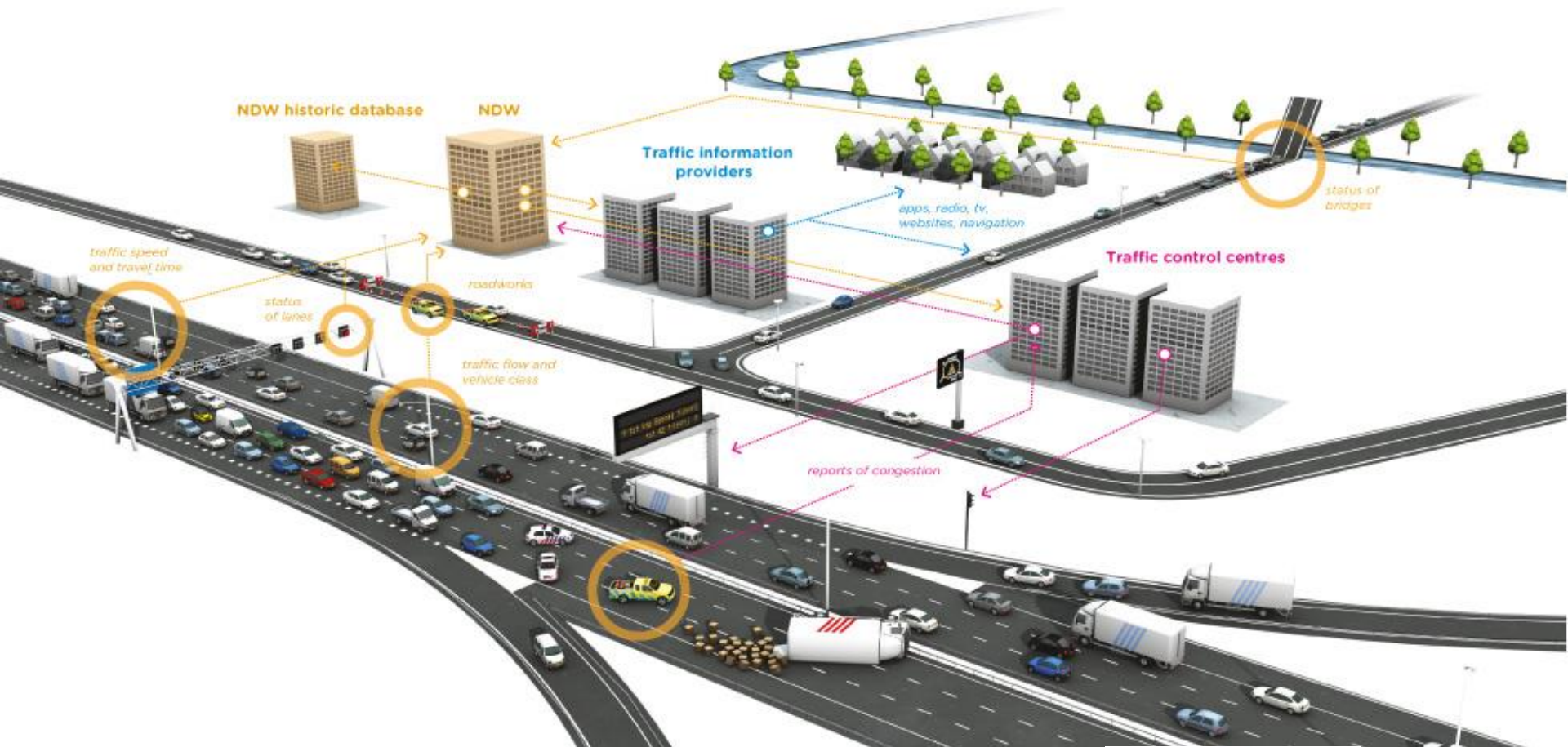
- *Shared Service Organization*: expertise centre providing effective use of traffic data of 19 public Road Administrations for some 10.000 km roads.
- Three kinds of data: real-time data, status data and historical data.
- Collection of real-time traffic data is possible via contracts of NDW, or own effort of road administration.
- Two kinds of customers: public road managers (traffic management and policy advice) and private Service Providers (for Traffic Information to drivers).
- For SP's two data feeds (in DATEX II): 'managed data' (with D&S-contract) and as standard 'open data'.

History and organization

- In 2007 the idea emerged to cooperate in this field; in 2009 the operations started as a project; since 2014 NDW has been a permanent organisation;
- Organizational aspects: NDW is a public organization (some 25 fte), with Supervisory Board (Political level, 'owner') and Client Council (Management level, 'customer') and informal advisory boards including also Service Providers;
- Budget: 14 M€ (of which 9 M€ is for data collection);
- Hosted by Rijkswaterstaat (employer).
- People from abroad: most remarkable: no law required to achieve this!



NDW process



Goals

- Less traffic jams
- Safer roads
- Less emission
- Happier road users →



Standardisation as a technical reflection of the will to cooperate

- NDW has existed for more than 10 years!
- Benefits: common operational picture for TM, public cost savings on Open Data portal, single public tone-of-voice towards market, but also companies have one-stop-shop for all available public data.
- Companies and road authorities have good contact about issues as data-quality and standardisation; special committee (MOGIN), financed together.
- Thus enables also taking up new requirements such as OpenLR and DATEX II Light...

To conclude...

- NDW is a good approach for public (and public-private!) cooperation!
- I wish you a very successful DATEX II Forum and be able to unlock the treasures of standardisation!

