

# **DATEX II - TN-ITS collaborating standards**

**Concluding DATEX II PSA webinar  
June 9<sup>th</sup>, 2021**

Christian Kleine, President TN-ITS



**TN-ITS**

Map Update Exchange

# TN-ITS - What

Exchange data about the **changes taking place in road attributes**

- Road Data used in digital maps for ITS Services
- Road attributes based on regulations
  - Speed limits
  - Other restrictions and warning signs



# TN-ITS Innovation Platform

- Coordinated by ERTICO
- Members:
  - Road Authorities
  - Map Providers
  - Associations
- Supporting EU Policy on Data Sharing
- Standardization
  - CEN/TS 17268:2018
- (Pilot) Implementation in 14 MS
- <https://tn-its.eu>

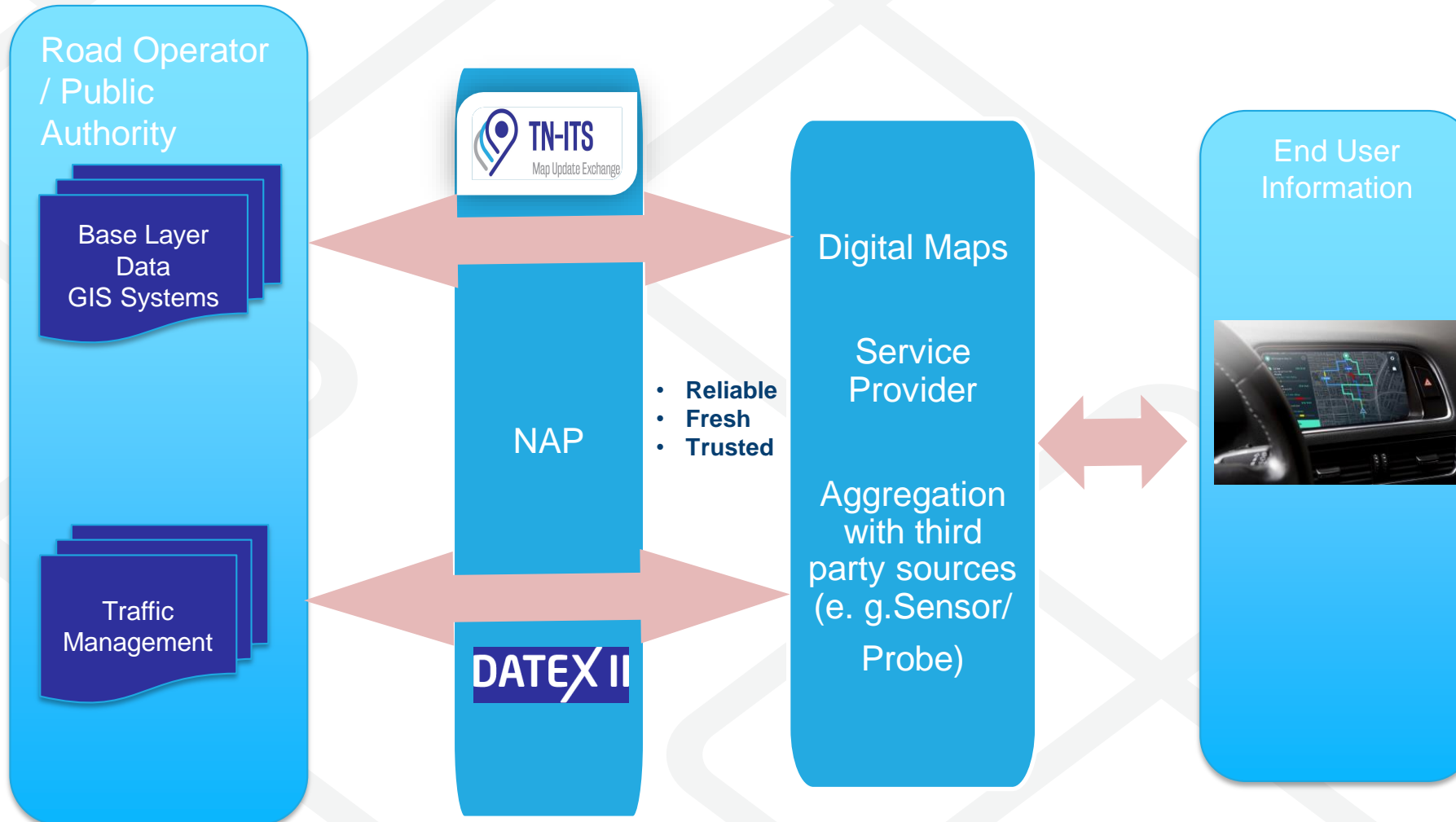


In collaboration with:



**TN-ITS**  
Map Update Exchange

# The Data Chain



# Why harmonisation?

## Two elements

- static map data (TN-ITS)
- dynamic regulation (DATEX II)

## Harmonisation to enhance accuracy

- both standards need to interpret lane, time condition, vehicle class etc. the same way – location referencing

lane level information needs to be matched

- correct lane at the right time

**Use Case: AD allowance lane and time dependent**



**TN-ITS**

Map Update Exchange

# Bringing the ITS Community together

- DATEX II: Traffic Management Community
- TN-ITS: Spatial Data Community

Important to bring different units of the same organization together

# Current and future collaboration

- 1st Workshop DATEX II and TN-ITS in October 2019
  - same legal framework (traffic regulation) is modelled in both standards
  - semantical interoperability needed

“This harmonisation/alignment is a prerequisite to fulfil the promises of ITS as contributing to more safety, better traffic efficiency and reduction of emissions.” (common PR of DATEX and TN-ITS 2019)

# Current and future collaboration

- Looking forward to participate together with DATEX II in the „Federation of NAPS“ (2021-2025) project
- Joint work to be done in the Working Package on „Alignment and Harmonisation of standards“





[christian.kleine@here.com](mailto:christian.kleine@here.com)

[www.tn-its.eu](http://www.tn-its.eu)