

An aerial photograph of a city, likely New York City, showing a dense grid of buildings and streets. A prominent feature is a tall, cylindrical building with a distinctive top. A teal-colored overlay covers the bottom-left and top-right portions of the image. In the top-right corner, a white arrow points downwards towards a specific location on the city grid, with the word "here" written in white text next to it.

here

TN-ITS Perspective of HERE

Christian Kleine
Sr Content Acquisition Lead | Brussels, January 19, 2017

Agenda



HERE

Work with TN-ITS

Challenges

Conclusion - Requirements

HERE

The background features a dark grey gradient with a large, curved teal shape on the right side. The teal shape is composed of two overlapping areas: a darker teal on the left and a lighter teal on the right, creating a sense of depth and movement.

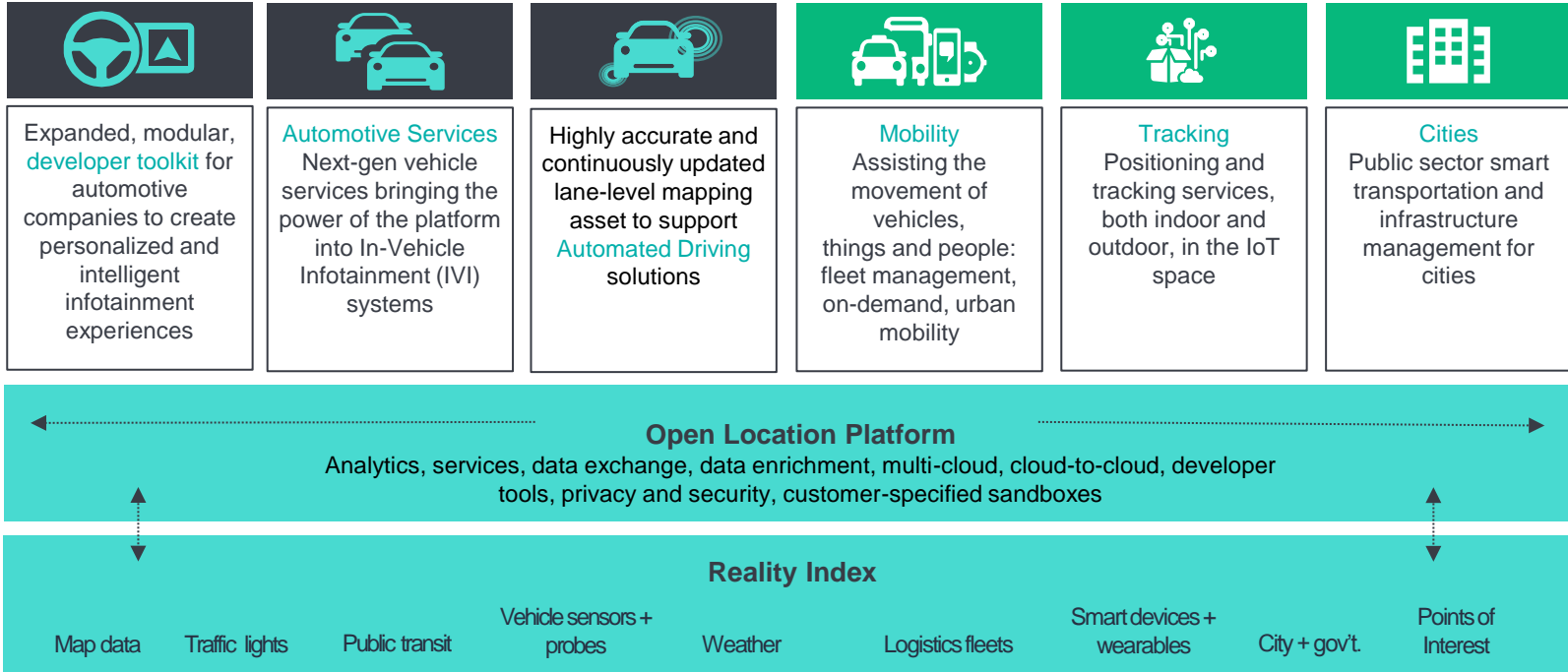
The power of location



Our current focus

Automotive

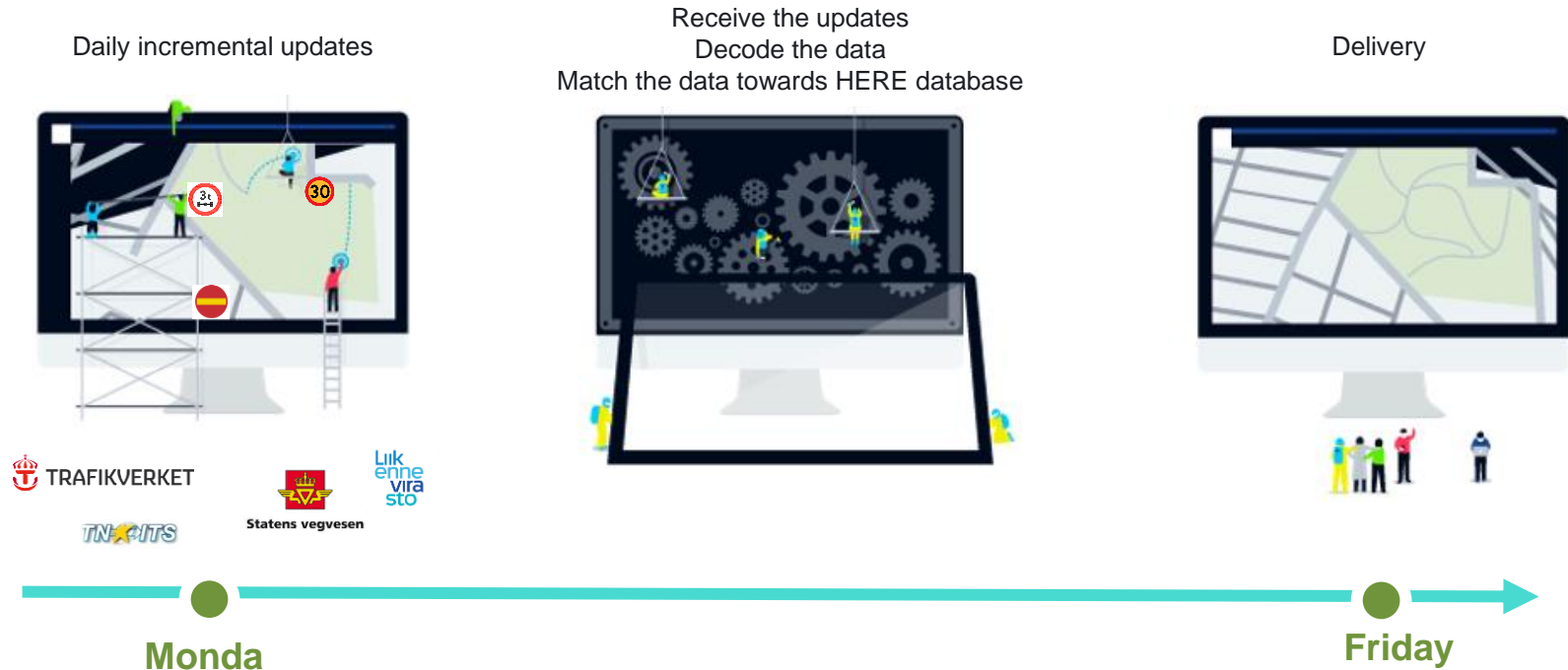
Internet of Things



A large, abstract teal graphic element consisting of several overlapping, curved shapes that sweep across the right side of the image, creating a sense of motion and depth. The background is a dark, gradient grey.

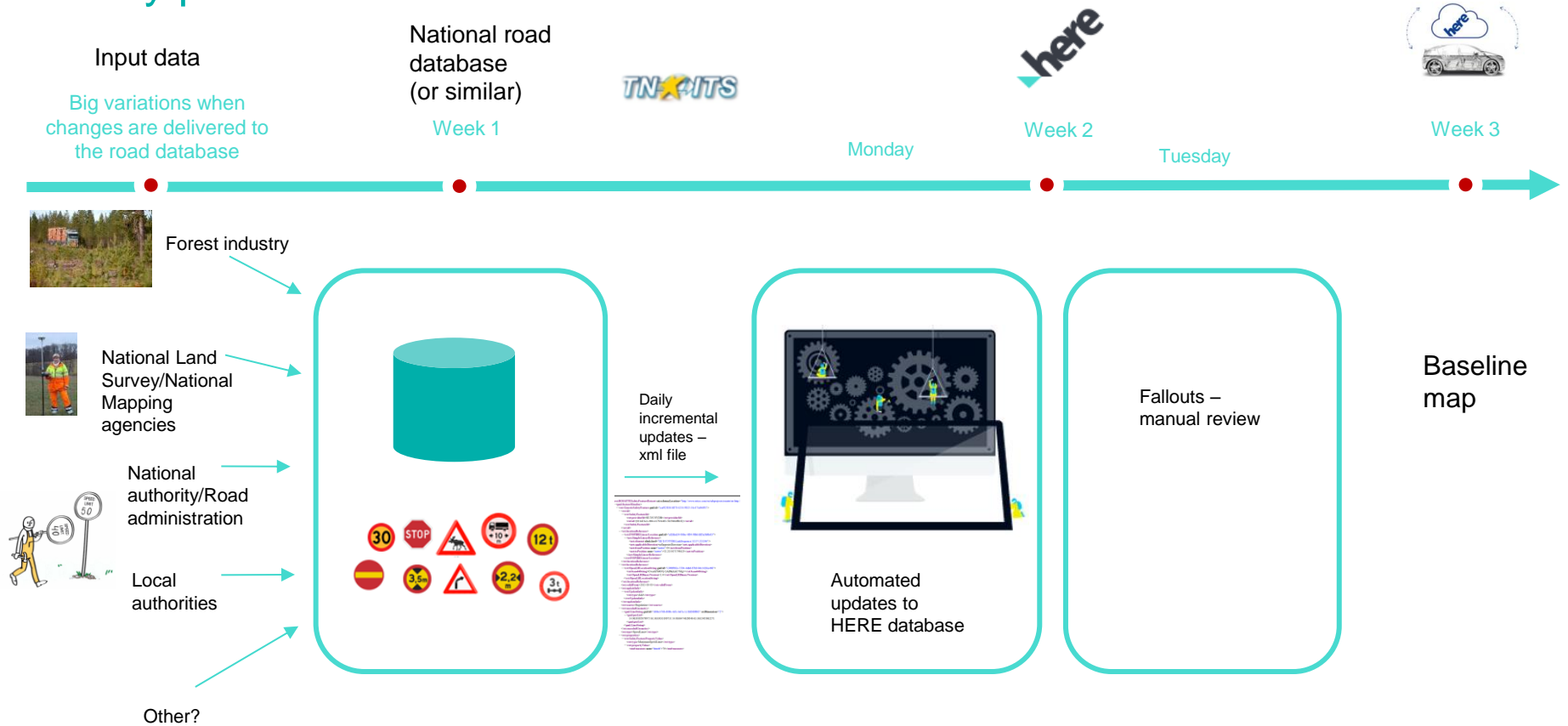
Work with TN-ITS

Explaining the process: from road authority to end user

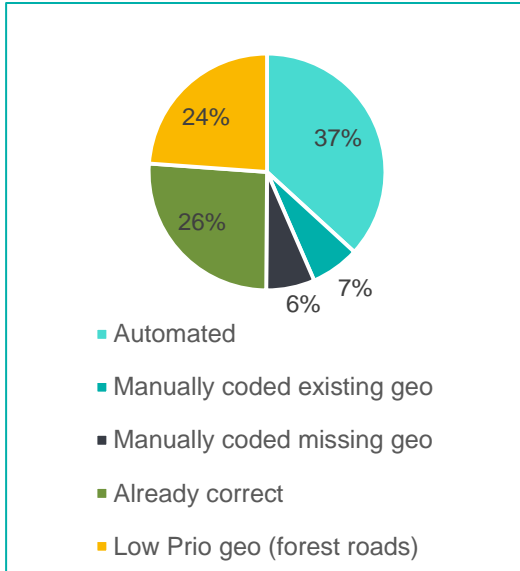


The **continuous flow of data** from road authorities – to map provider and to the people using the data – in a standardized format and way of delivering that data – enabling a **near real time experience**

Weekly process flow



Swedish service – statistics based on 7 weeks (22 Aug- 9 Oct 2016)



2216 km of speed limit records were provided via the service

159km/week

Average of speed limits updated in HERE database (including new geometry)

Sweden

- Major change on state roads from 90km/h to 80km/h
- All (except for a few exceptions) were implemented in HERE database via the TN-ITS process
- SAFETY & ENVIRONMENT



Ändrade hastighetsgränser 2016

🔗 Dela 🗉 Kontakta oss

Från november 2016 skyltar Trafikverket om vägsträckor i 17 län. Det är en anpassning av hastigheten till vägarnas säkerhetsstandard – och en del i de hastighetsöversyner som vi drivit sedan flera år.

Samtliga ändringar under hösten 2016 innebär en sänkning från 90 kilometer i timmen till 80.

Vi vill ha effektiva resor och transporter. Men samtidigt kan vi inte tumma på säkerheten. Generellt sett ska en väg vara mötesfri för att Trafikverket ska ha en högre hastighet än 80 km/tim.

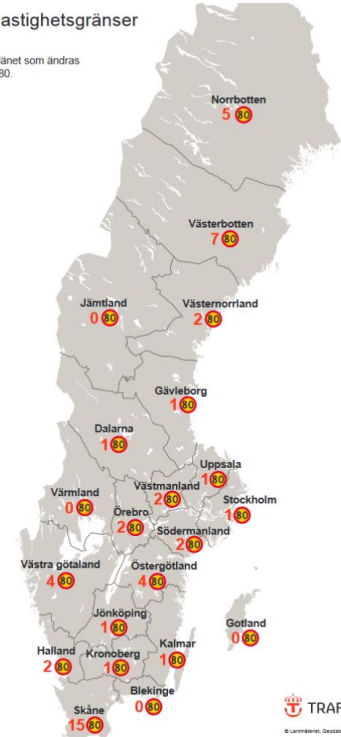
Restiden påverkas marginellt

Restiden påverkas marginellt av sänkningen från 90 till 80 – samtidigt som körningen blir säkrare. Kör du i 80 km/tim istället för 90 på en väg förlorar du högst 50 sekunder per mil.

Nedan ser du de sträckor i varje län som får nya hastighetsgränser hösten 2016. Det gäller samtliga län i Sverige förutom Blekinge, Gotland, Jämtland och Värmland.

Ändrade hastighetsgränser

Antal vägvagnsnitt i länet som ändras från 90 km/tim till 80.



TRAFIKVERKET
© Lantmäteriet, Geodatamyndigheten

Suppliers Activity

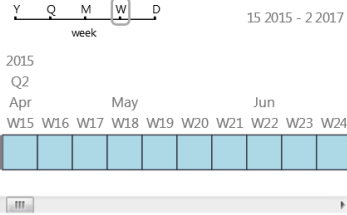
Suppliers Activity



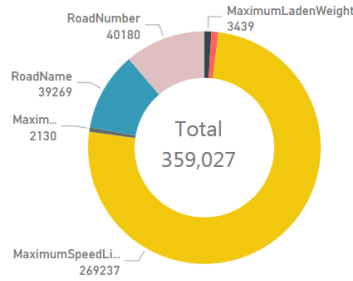
COUNTRY

- FIN
- NOR
- SWE

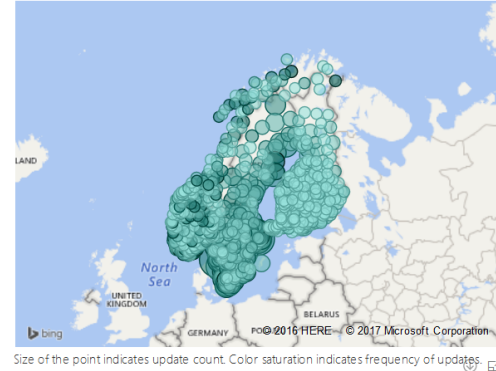
DATE



TOTAL UPDATE COUNT



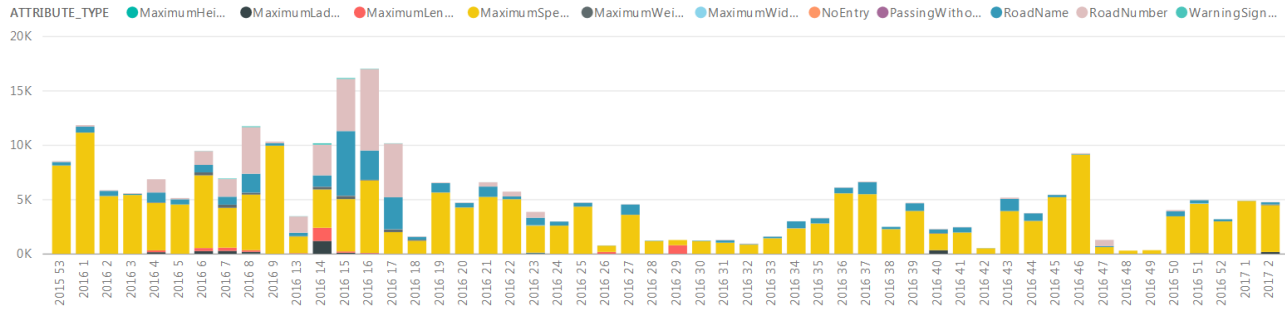
UPDATE BY ADMIN



ATTRIBUTE

- (Blank)
- MaximumHeight
- MaximumLadenWeight
- MaximumLength
- MaximumSpeedLimit
- MaximumWeightPerSin...
- MaximumWidth
- NoEntry
- PassingWithoutStoppin...
- RoadName
- RoadNumber
- WarningSignType

WEEKLY UPDATE COUNT



Challenges

The background features a dark grey gradient with several overlapping, semi-transparent teal and dark teal geometric shapes, including a large triangle on the right and curved bands across the bottom and left.

Challenges

Freshness –
continuous
flow of input
data

Technical-
minor
differences
between
countries

Matching of
data –
Location
Reference

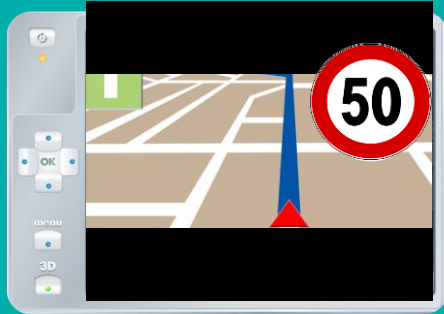
Maintenance
of the service
– stable
service

Conclusion - Requirements

How does data exchange benefit the road authorities?

Traffic Routing

- Traffic routing according to traffic planning and concepts, **prevention of traffic jams**



Immediate Implementation

- Immediate implementation i.e. truck restrictions, **prevention of accidents and breaches of rules**

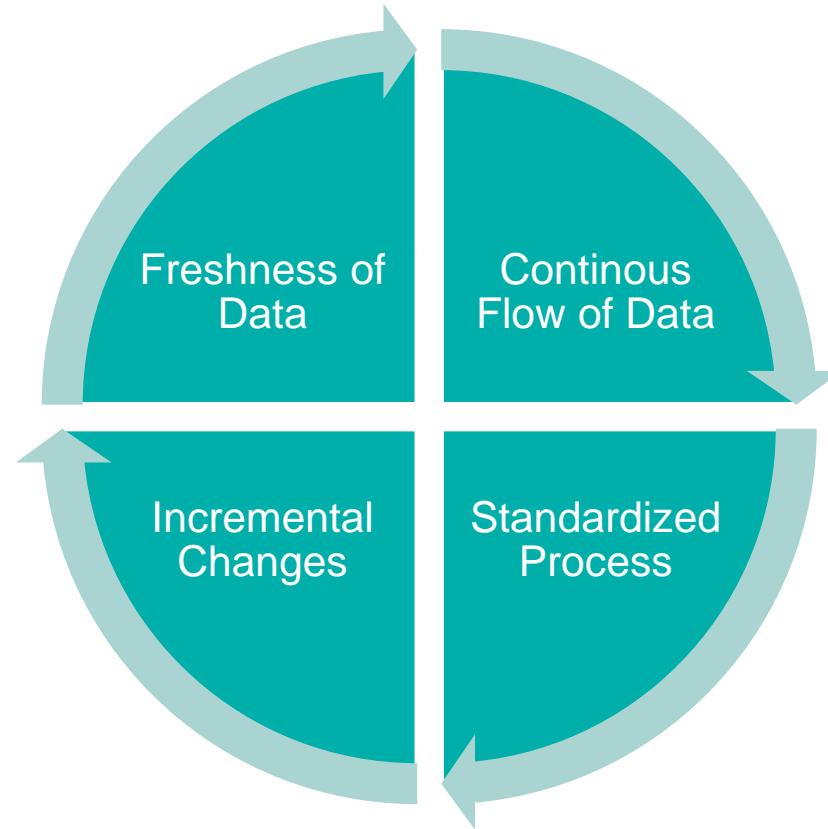


New Road Constructions

- New road constructions to be made available to end users for routing immediately after the official traffic release



Main Benefits for Service Provider



Requirements

New Member States should follow the same Process

- Setup will be easy for Service Provider

Systems should run constantly

- Steady flow of Data and Quality guaranteed

Licensing of Data

- Clear Open Data Licenses including commercial use

Future Attributes

- More Road Signs, Traffic Lights, Lane Attributes



Thank you

Contact

Christian Kleine, Senior Content Acquisition Lead

christian.kleine@here.com

Phone: +49(0)30 2000 73629