

An aerial photograph of a city, likely Rostock, Germany, showing a dense urban landscape with various buildings, streets, and green spaces. A prominent feature is a tall, cylindrical building with a distinctive top. A teal-colored graphic overlay is present in the upper right corner, featuring a white arrow pointing downwards and the word 'here' in white lowercase letters.

here

Open Data – Nutzen für kommerzielle Karten

Geoforum MV – Rostock-Warnemünde
Christian Kleine | 09. April 2018

Agenda

- HERE
- Data Sources
- Open Data in Germany
- Use Cases
- Collaboration Benefits

HERE

HERE in numbers



Countries mapped

8,000+

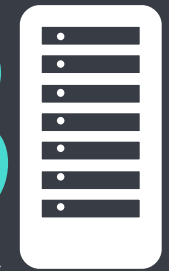


Employees in 56 countries
focused on delivering the world's best
map and location technologies

HERE Maps on board of

100M
vehicles and counting

28



TB map data

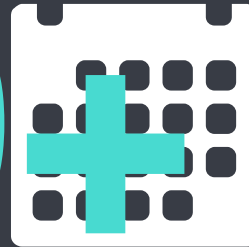
collected
per day



In-car
navigation systems
in Europe and
North America use
HERE maps

4 of 5

30+



Years of
experience
transforming
location
technology

400+ HERE
cars



collecting
data for
maps

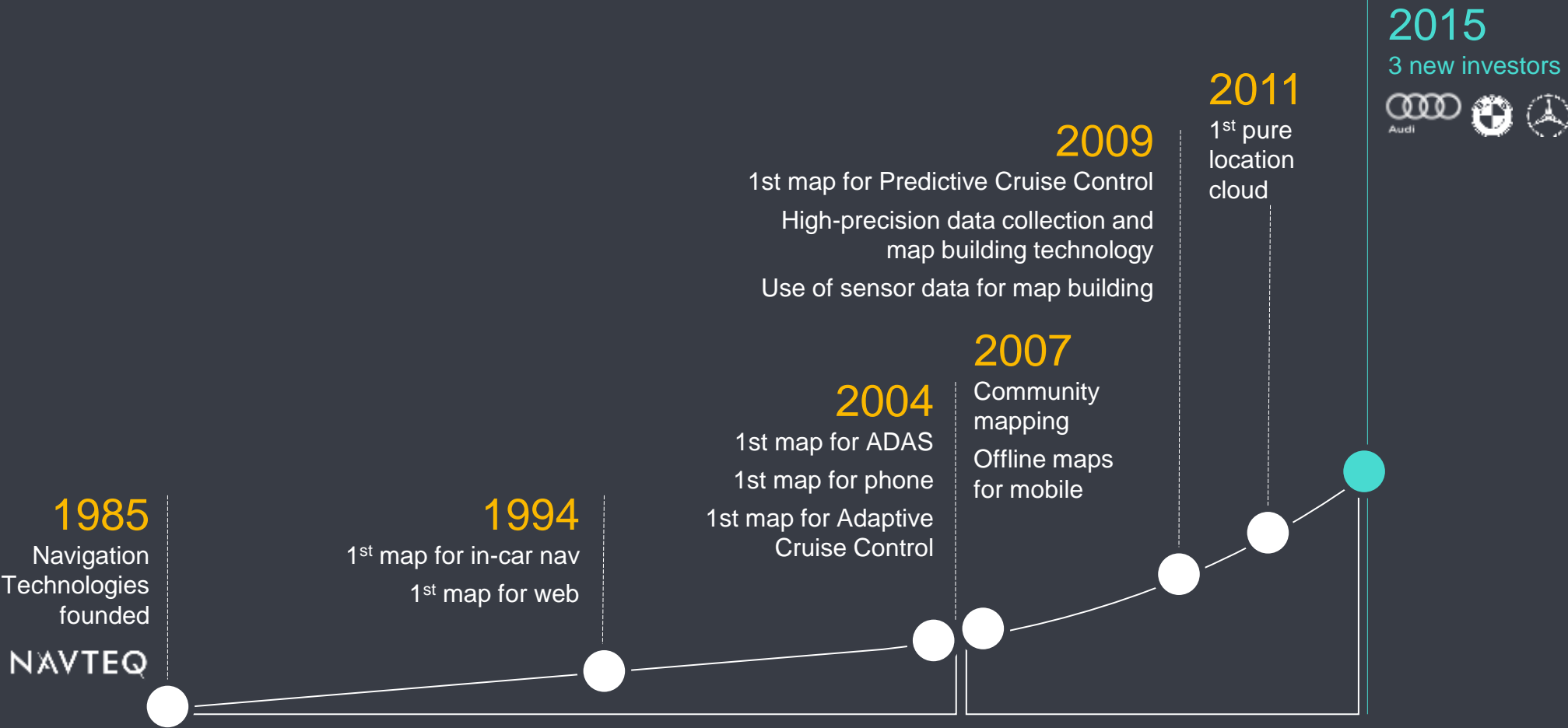
700,000
3D data points
per second per car

HD Live Map covering

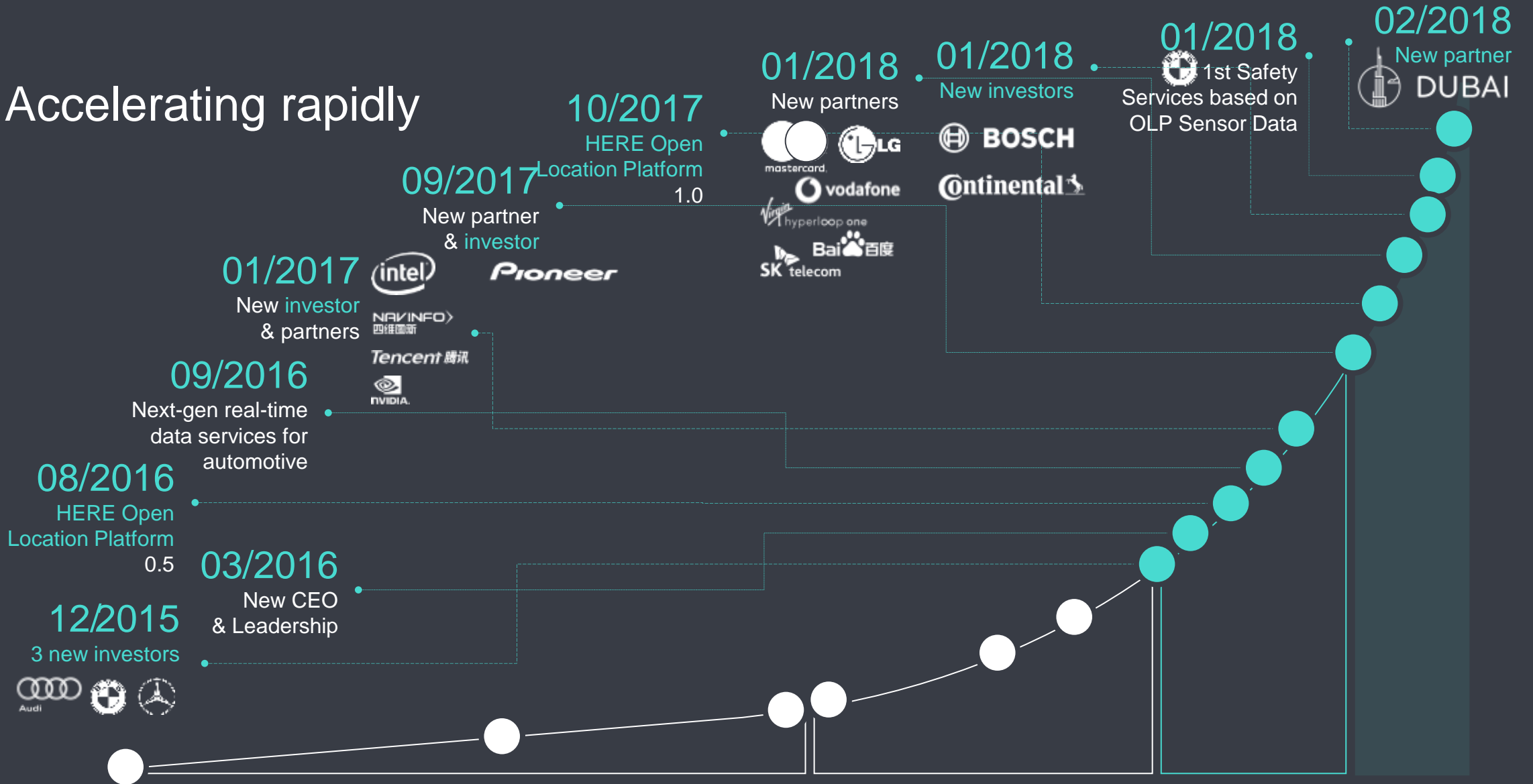
600k+ km
for Autonomous Driving

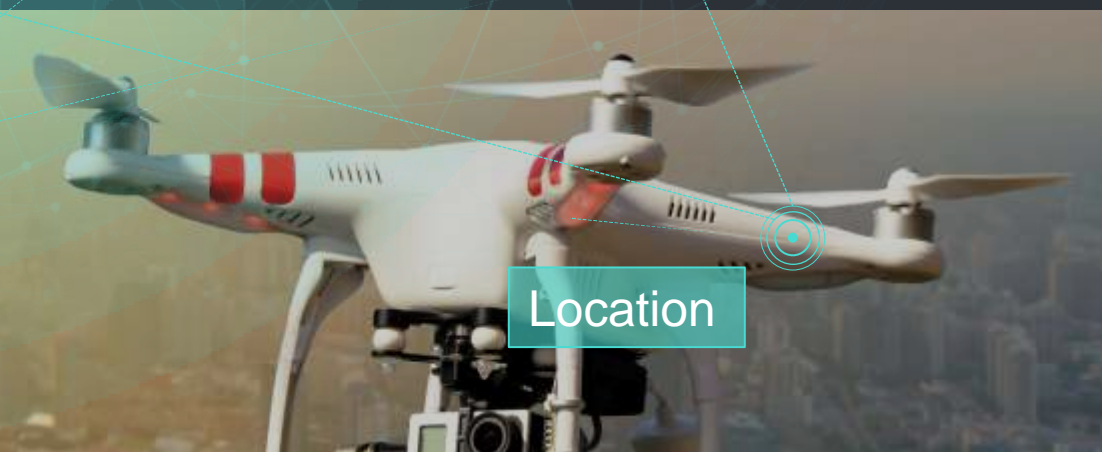
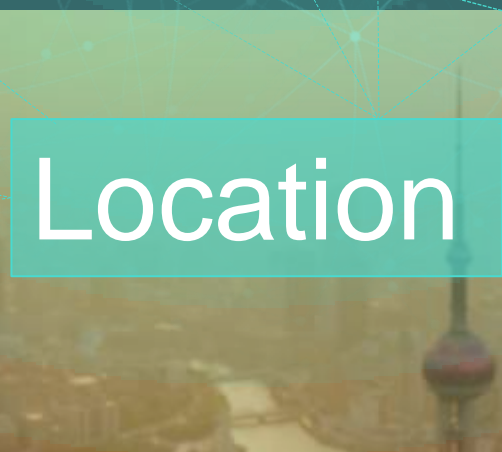
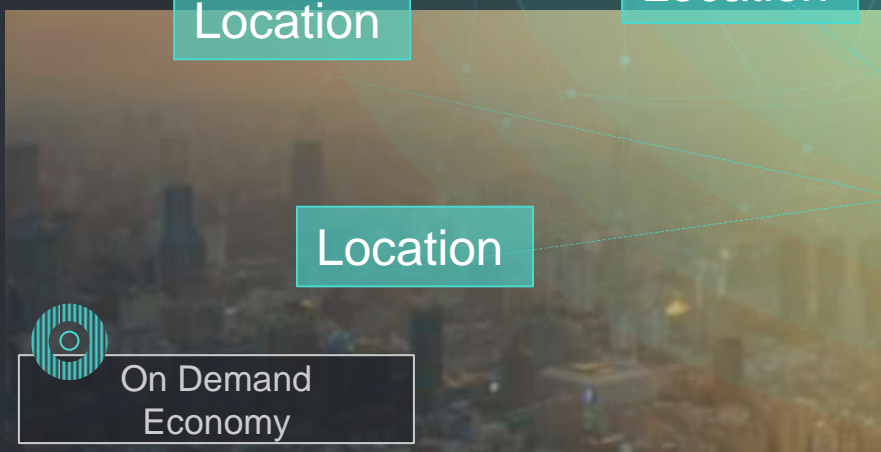
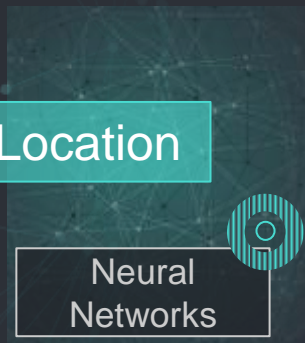
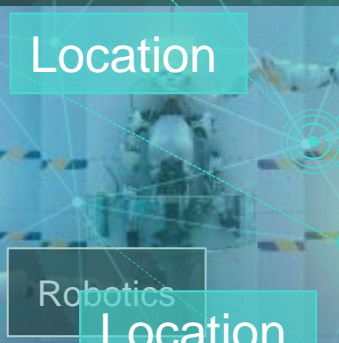
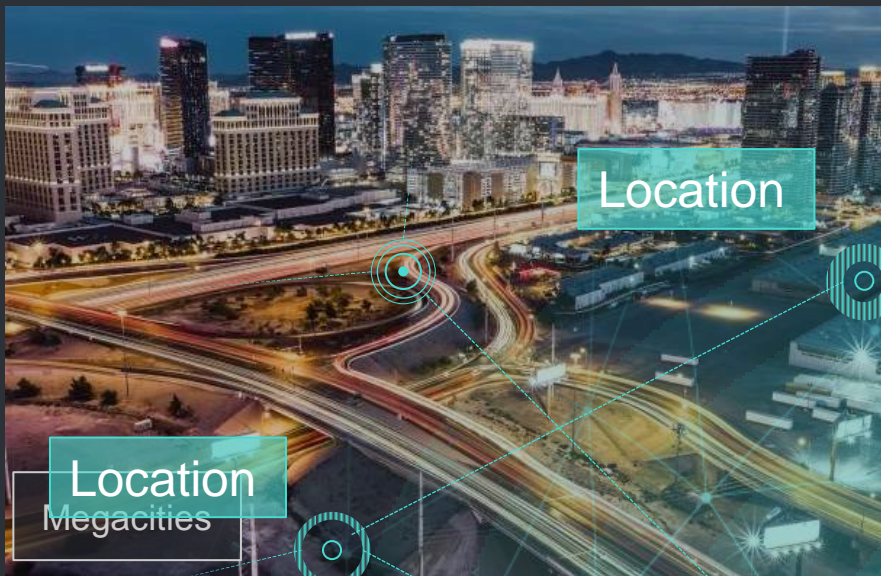


A history of transforming maps into location technology



Accelerating rapidly





The Reality Index™:

helping to address these challenges



Location & POIs
Vehicles
Beyond Roads
Things
People
Spatial & Aerial

Stronger with our partners

here



Pioneer

Virgin hyperloop one



Continental

Baidu 百度



Audi



BOSCH

Tencent 腾讯



nVIDIA.

SAP



vodafone



LG

SK telecom



NAVINFO
四维图新



mastercard.

accenture

here

Data Sources

It all starts with the best possible sources

Drivers can benefit from a fresh map in many ways



Less Stress



Efficiency in
Movement



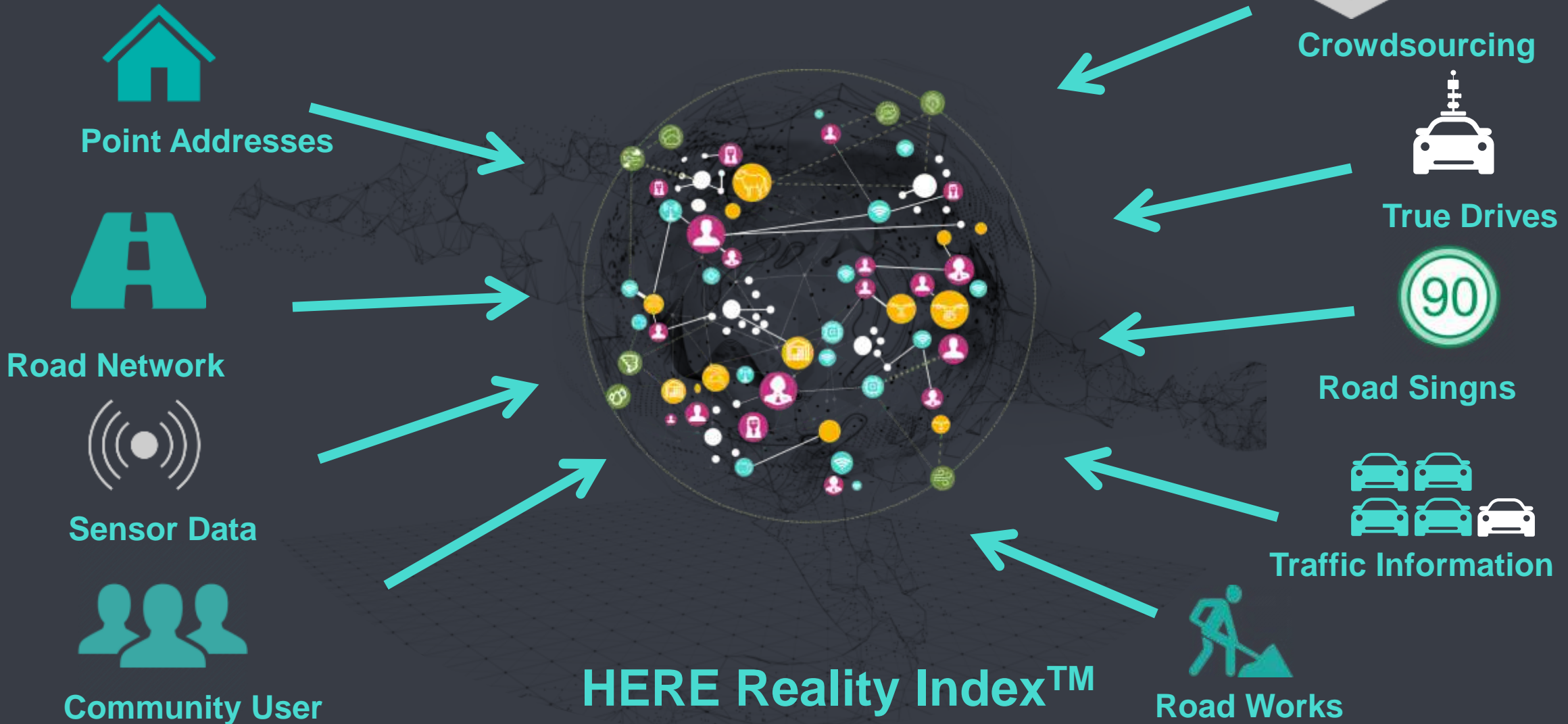
Safe Journey



Time&Money
Savings



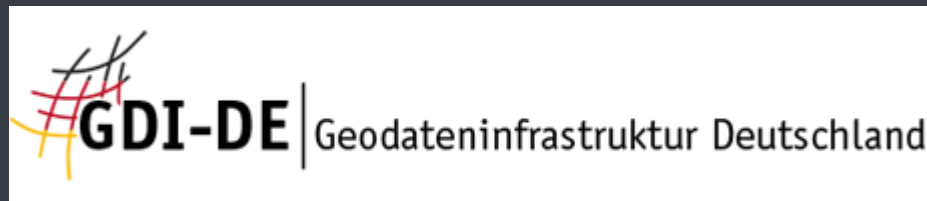
HERE Data Sources



Open Data in Germany

Open Data in Germany

Different Portals:



Open Data Licenses

Creative Commons

Deutschlandlizenz 2.0

GeonutzV

Share Alike

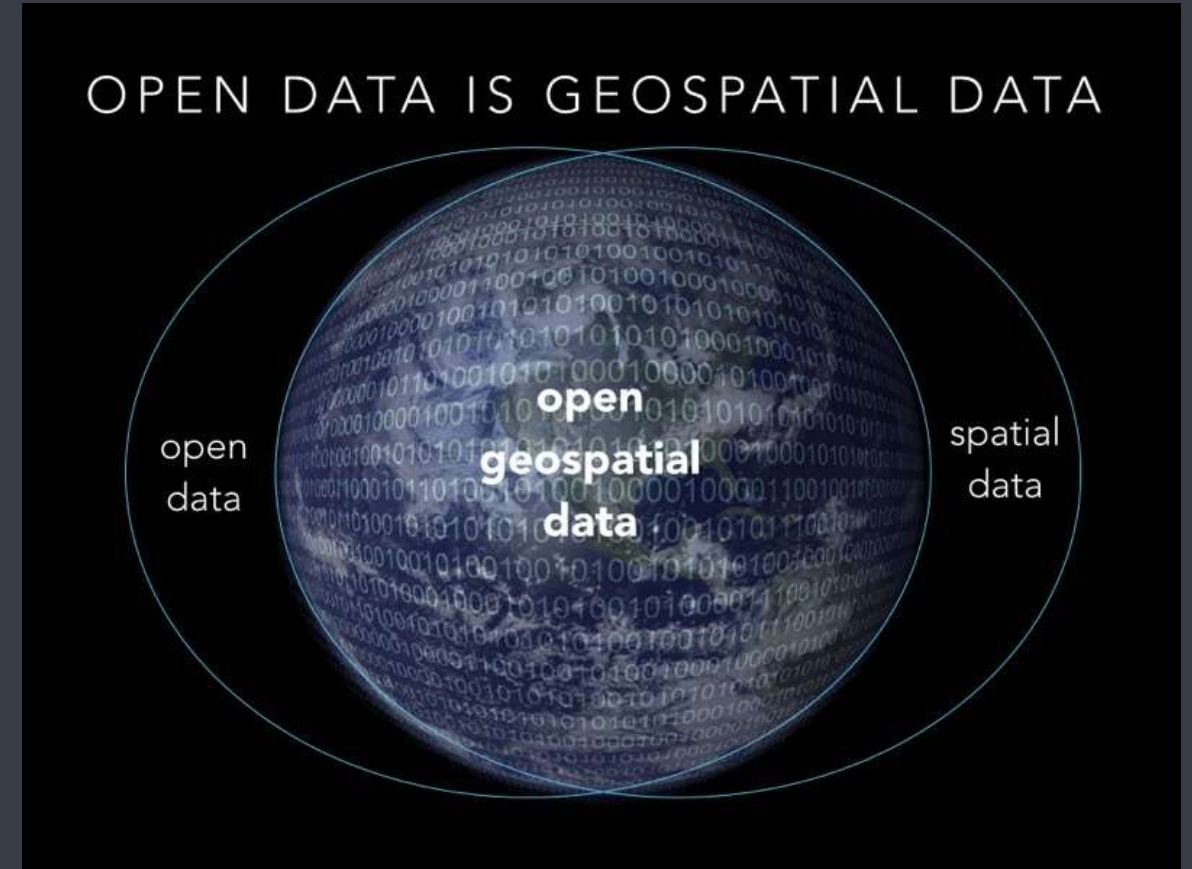
Own Terms and Conditions



Open Data in Germany

Examples:

- **INSPIRE Data: Address Data, Road Network, Admin Boundaries**
- **POIs**
- **Speed Limits**
- **Traffic Lights**
- **and more.....**



<https://www.smartdatacollective.com/geospatial-data-demand/>

Open Data in Germany

Open Geospatial Data

- Already a lot of datasets available
- Different Spatial Data Portals
- Search engines
- Licensing terms often not clearly defined or suitable
- Download Services

Use Cases

Adress Data

**Open Data available for:
Berlin, Hamburg, NRW, Thüringen and Sachsen**

Automated Process

Regular updated Point Addressing

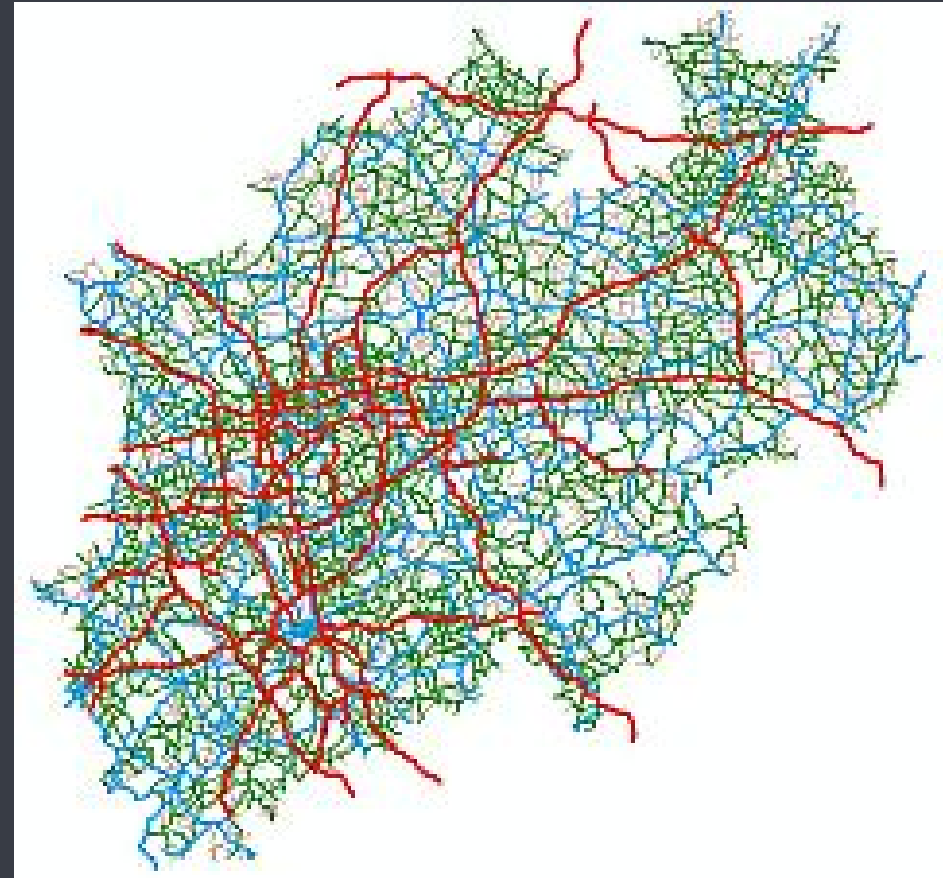


Road Network

Straßen.NRW

Data is used to detect:

- New constructions
- Road Classification
- Roundabouts



TN-ITS – Map Data Exchange on European Level

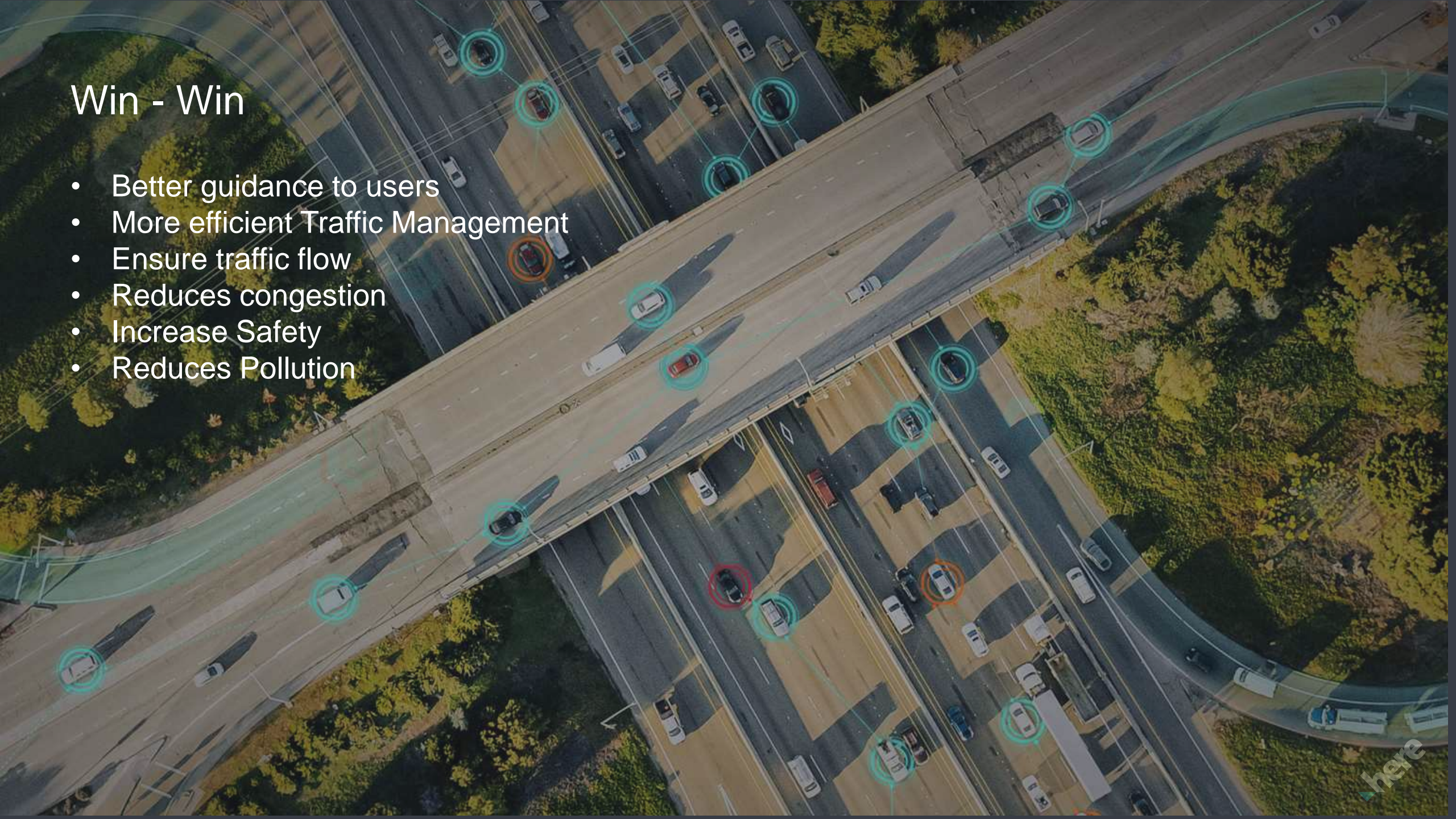
- Funded European Project
- Data Exchange with Road Authorities on National Level
- Current Partners: Mapmakers, ERTICO and 16 National Road Authorities
- Already running Services in Finland, Sweden, Norway, Flanders
- Standardized Process of Daily Changes



Collaboration Benefits

Win - Win

- Better guidance to users
- More efficient Traffic Management
- Ensure traffic flow
- Reduces congestion
- Increase Safety
- Reduces Pollution





Thank you

Contact

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Manager Data Acquisition

HERE Germany