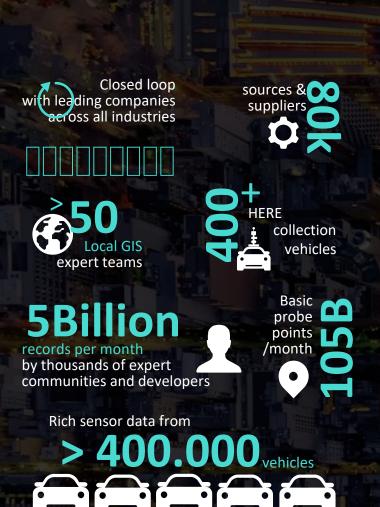


Building a The World's Best Map is a big data problem, but focusing on a single data stream would be missing the point: Map Leadership requires Big Data Orchestration







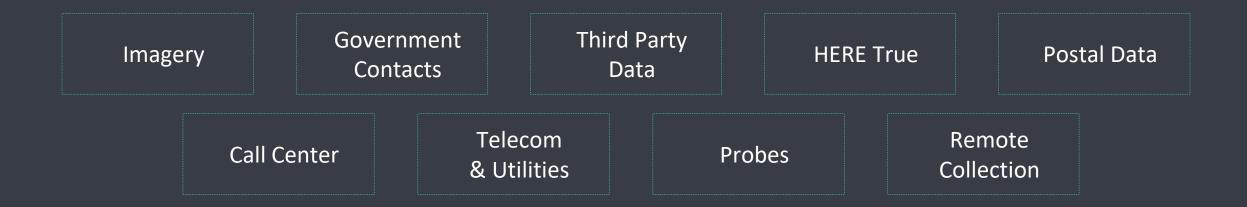




It all starts with the best possible sources

80,000 high • Standardized data audit Processes quality sources

- Sources provide the foundation for the map





INSPIRE Themes

Annex 1

- Addresses
- Administrative units
- Cadastral parcels
- Coordinate reference systems
- Geographical grid systems
- Geographical names
- Hydrography
- Protected sites
- Transport networks

- Elevation Geology
- Land cover
- Orthoimagery

INSPIRE Themes

Annex 1

- Addresses
- Administrative units
- Cadastral parcels
- Coordinate reference systems
- Geographical grid systems
- Geographical names
- Hydrography
- Protected sites
- Transport networks

- Elevation
- Geology
- Land cover
- Orthoimagery

- Agricultural and aquaculture facilities
- Area management/restriction/regulation zones & reporting units
- Atmospheric conditions
- Bio-geographical regions
- Buildings
- Energy Resources
- Environmental monitoring Facilities
- Habitats and biotopes
- Human health and safety
- Land use

- Meteorological geographical features
- Mineral Resources
- Natural risk zones
- Oceanographic geographical features
- Population distribution and demography
- Production and industrial facilities
- Sea regions
- Soil
- Species distribution
- Statistical units
- Utility and governmental services



- Agricultural and aquaculture facilities
- Area management/restriction/regulation zones & reporting units
- Atmospheric conditions
- Bio-geographical regions
- Buildings
- Energy Resources
- Environmental monitoring Facilities
- Habitats and biotopes
- Human health and safety
- Land use

- Meteorological geographical features
- Mineral Resources
- Natural risk zones
- Oceanographic geographical features
- Population distribution and demography
- Production and industrial facilities
- Sea regions
- Soil
- Species distribution
- Statistical units
- Utility and governmental services



Some Examples

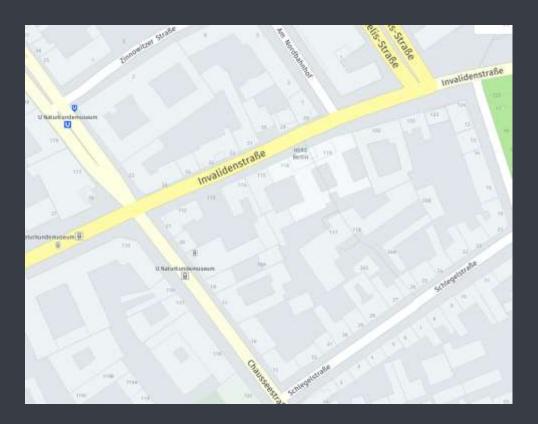
- Adresses
- Transport Network
- Land Cover/Use
- Buildings
- Utility&Governmental Units



Point Addresses

FIS Broker Berlin, WFS Service used to regular update Adressing







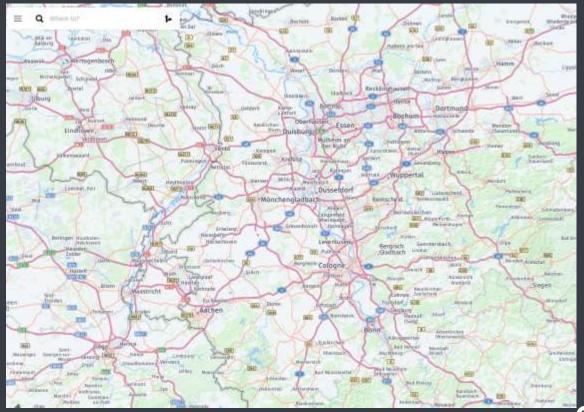
Transport Networks

INSPIRE Service – Transport Network NRW, Germany

Detection of new road geometry, construction, roundabouts etc.

Naming of Road Numbers and Classification

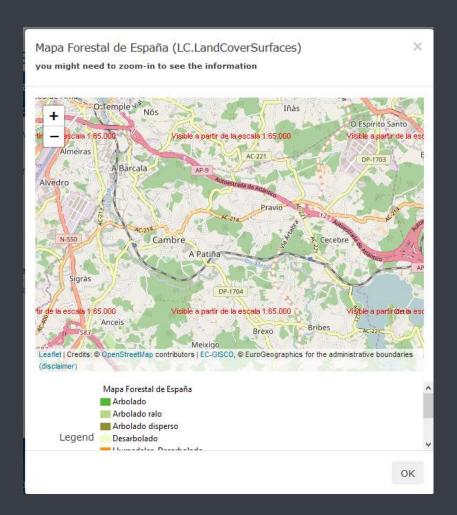


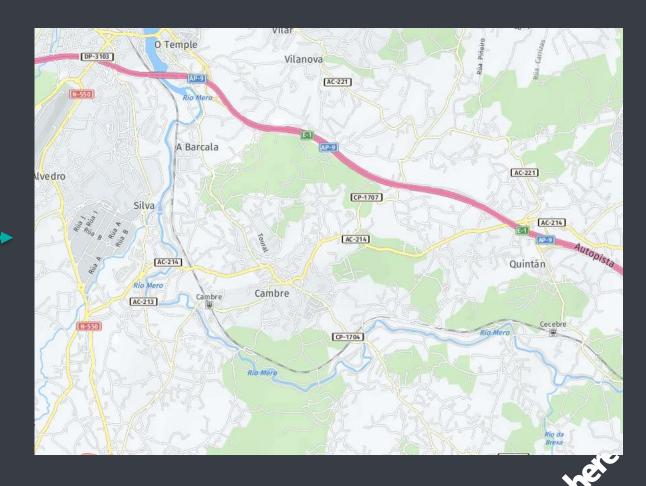


Land Use

Land Cover Data Spain

Used for updating cartographic features (Forest, Urban Areas)

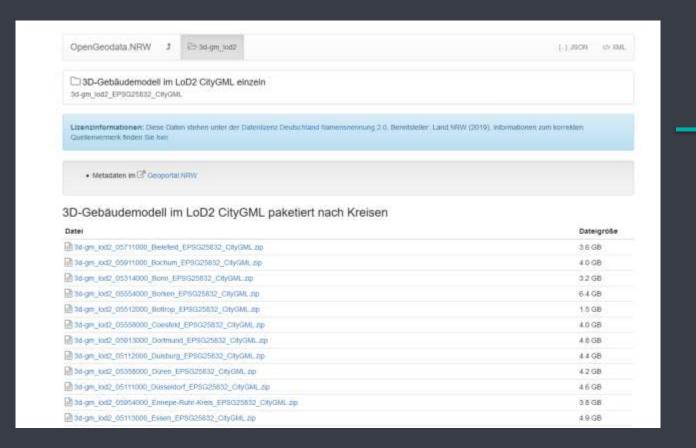


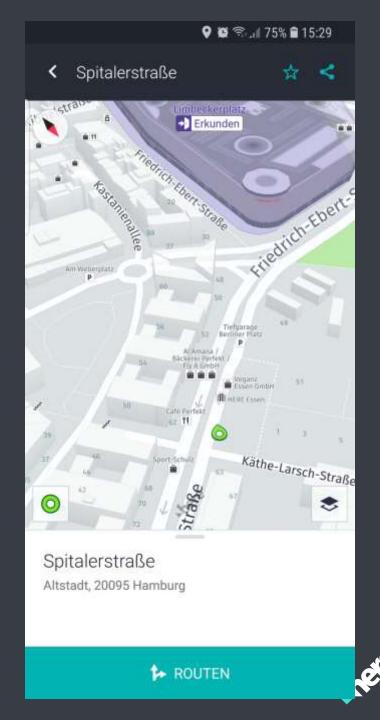


Buildings 3D

OpenGeoData NRW

Enhancing visuals

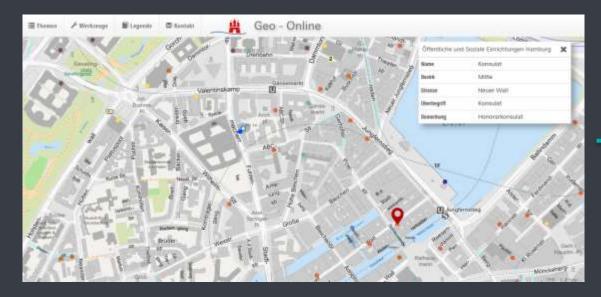


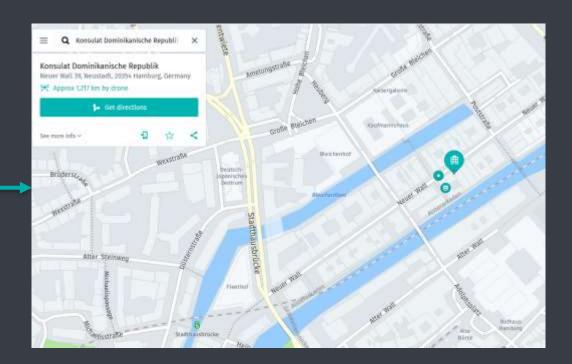


Utility&Governmental Units

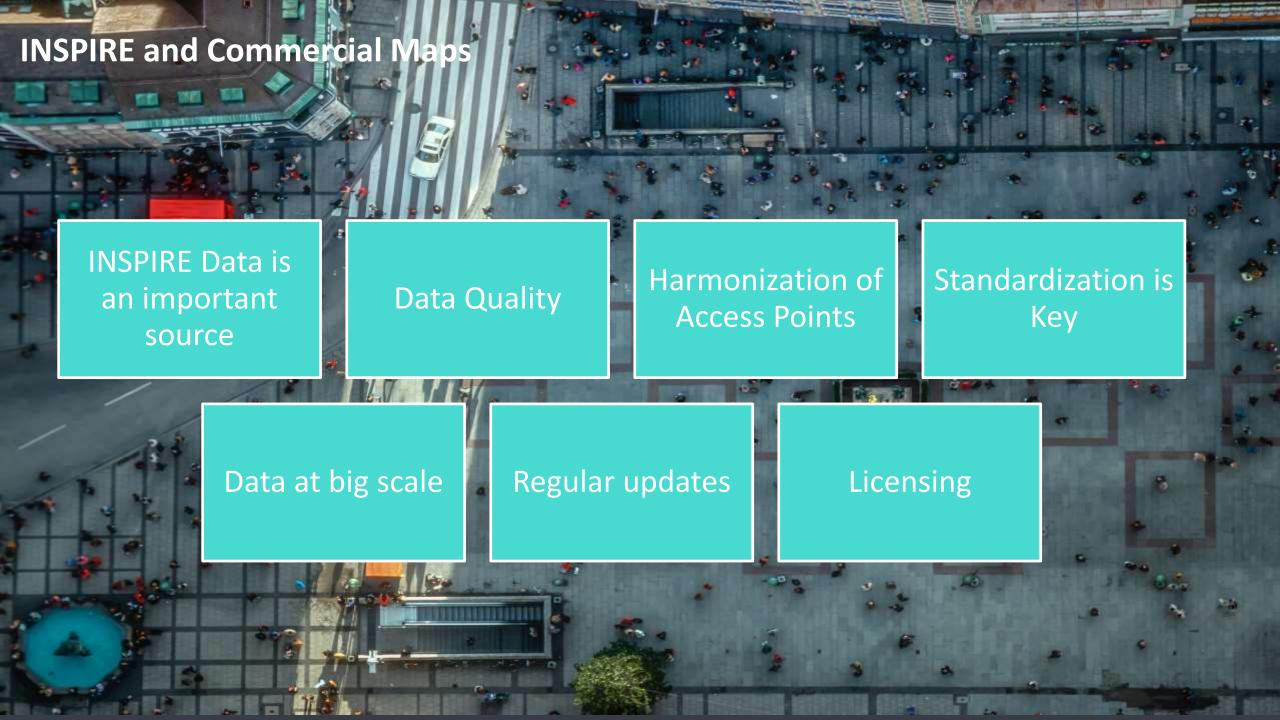
Hamburg

Governmental Points of Interest











Thank you

Contact

Christian Kleine, Manager Data Acquisition

christian.kleine@here.com