Francesco Pignatelli
EC/JRC

Stephen T'Siobbel
TomTom

Facilitate the up-to-date flow of road safety data between public authorities and private map providers

ISA² MID-TERM CONFERENCE

Linking public administrations, businesses and citizens

Follow discussions online

@EU_isa2

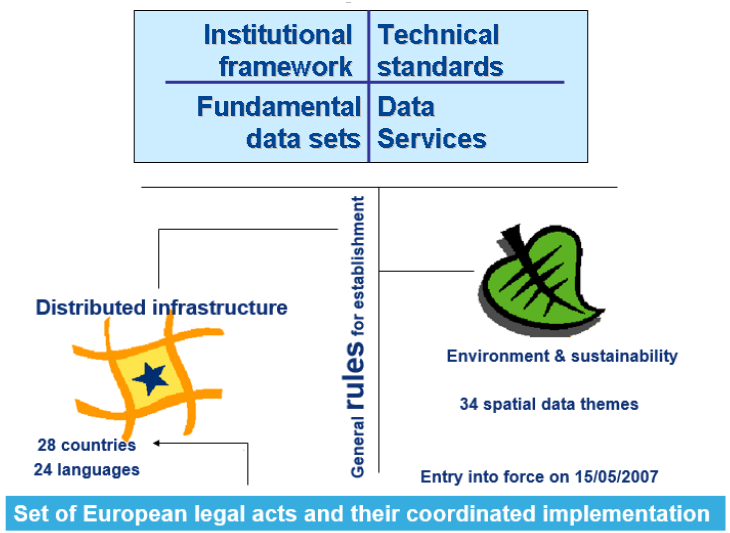
ISA² Programme

#ISA2CONF18

Francesco Pignatelli
Sr. Programme Manager

INSPIRE, Europe's "lingua franca" for anything geospatial

Directive 2007/2/EC of the European Parliament and of the Council of 14 March 2007 establishing an Infrastructure for Spatial Information in the European Community (INSPIRE)



Intelligent Transport Systems (ITS) Directive

Directive 2013/37/EU of 26 June 2013 amending Directive 2003/98/EC on the re-use of Public Sector Information *(PSI) Directive 2003/98/EC*

Communication from the Commission to the European Parliament, the Council, the European Economic and Social Committee, and the Committee of the Regions: A Digital Agenda for Europe - *COM(2010) 245 final/2*

Digital Single Market strategy

Communication from the Commission to the European Parliament, the Council, the European Economic and Social Committee, and the Committee of the Regions: the EU eGovernment Action Plan 2016 -2020 *COM(2016) 179 final*

The New European Interoperability Framework *COM(2017) 134*

EU implementation of the G8 Open Data Charter

EU Open Data Strategy

Tallinn Declaration on eGovernment

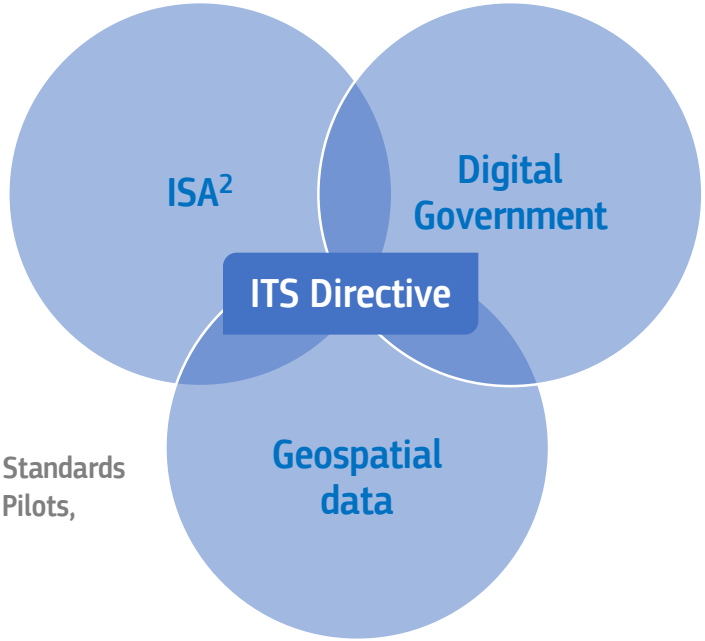
Francesco Pignatelli
Sr. Programme Manager

Geospatial data beyond INSPIRE: ELISE

Interoperability
Solutions for European Public
Administrations, Businesses and Citizens

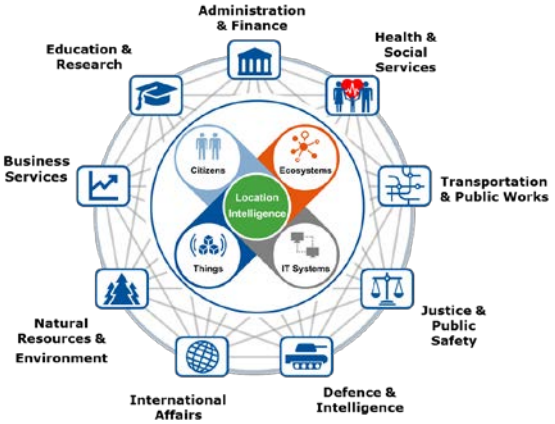
European
Location
Interoperability
Solutions for
E-Government

Studies
Frameworks and Standards
Applications and Pilots,
Services



Digital Single Market
e-Government Action Plan
Tallinn Declaration
Digital Europe Programme

Technology-enabled Innovation and Growth



Location Interoperability for Digital Government

Road Data Exchange

Between Road Authorities and Private map providers

Stephen T'Siobbel
Sr. Partner Development Manager

ELISE Action facilitates and foster the exchange of static road attributes (i.e. speed limits) between EU public road authorities and private map makers for car navigation (i.e. TomTom).

In the Transportation Pilot, INSPIRE standards are used to get geospatial data from public administrations to private companies (G2B)

Commercial map providers like HERE and TomTom need road network data that are: consistent, accurate, and up-to-date

Significant reduced error rates in maps of from 25% to 7%, and Road Authorities (SE, NO) upgraded from quarterly to daily updates to map providers

Map providers were able to move from disparate national processes to more standardised processes in EU countries

Pilot now being rolled out across Europe under CEF – Transport (14 countries)

Next step is to open solutions to ALL industry players

Up-to-date flow of road safety data between National Road Authorities and private map providers

https://www.youtube.com/watch?v=jnny5ATwTYE

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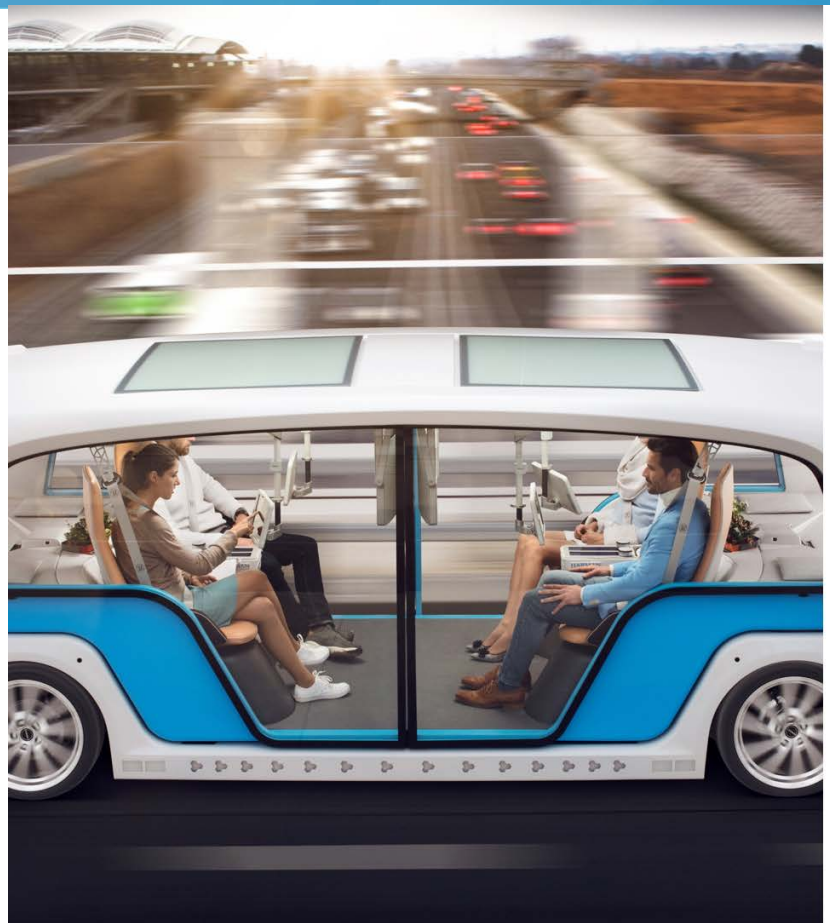


Our mission

We are on a mission to create the most innovative technologies to help shape tomorrow's mobility.

Stephen T'Siobbel
Sr. Partner Development Manager

Four focused business units

Road Data Exchange

Between Road Authorities and Private map providers

Stephen T'Siobbel
Sr. Partner Development Manager

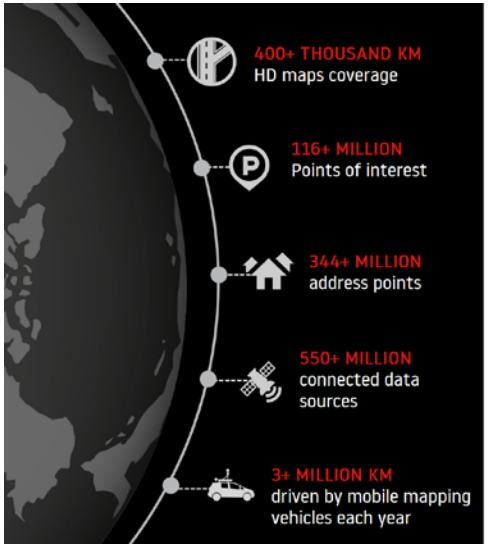
Powered by

3 core technologies

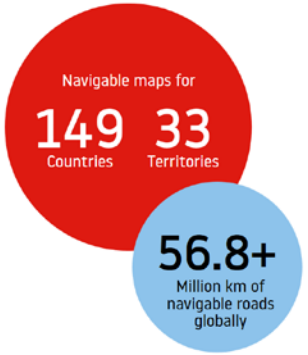
01 Maps

02 Navigation

03 Services



Map facts



Road Data Exchange

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Stephen T'Siobbel
Sr. Partner Development Manager

INTELLIGENT MAP MAKING

Combining professional map making methods with community input

29 November 2018, Brussels

Road Data Exchange

Between Road Authorities and Private map providers

Stephen T'Siobbel
Sr. Partner Development Manager

CHALLENGE

Sourcing of reliable changes of road data

in Europe in a harmonized way

29 November 2018, Brussels

Stephen T'Siobbel
Sr. Partner Development Manager

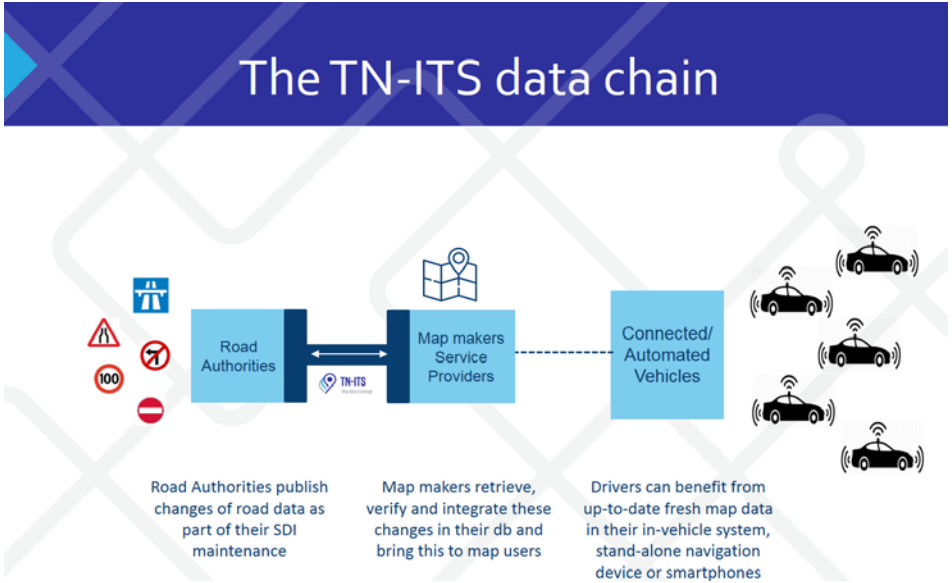
SOLUTION

Specify & set-up a data exchange platform between road authorities and Map Providers

Have pilot implementations of such data exchange infractructure

Deploy such infrastructure in Europe

Extend feature/attribute set



Road Data Exchange

Between Road Authorities and Private map providers

Stephen T'Siobbel
Sr. Partner Development Manager

TN-ITS
Map Update Exchange

APPROACH

Unite stakeholders, build consensus, make specifications and develop prototype(s)

Assess cross border aspects, explore service for different road classes (TEN-T to rural roads), evaluate location referencing methods, etc.

Start with Champions (Norway, Sweden, Finland), adoption in rest of Europe

Support use cases in areas of Autonomous Driving, MultiModal transport/Logistics

Transportation Pilot

TN-ITS GO
Map Update Exchange

Stephen T'Siobbel
Sr. Partner Development Manager

VALUE FOR TOMTOM

High Quality updates

Errors in speed limits were reduced from 25% to 7%

Daily updates are provided via API

(>1M updates received from Nordics)

From trusted source

Open Data licenses

Consistent Pan European solution

TN-ITS GO will lead to services in 9 MS

Stephen T'Siobbel
Sr. Partner Development Manager

Want to know more?

ELISE – the European Location Interoperability Solutions for E-government

Get started: ELISE Action page

Join and collaborate: ELISE Community

Stay tuned: @EULocation

info@tn-its.eu
www.tn-its.eu

TN-ITS
Map Update Exchange

The ELISE action is undertaken with the support of ISA².

http://inspire.ec.europa.eu/