

# OpenTransportNet

# Objectives

- **Building of open data hub for transport purposes**
- **Easy and reliable access to metadata and data for non-GI experts**
- **Enhanced role of geoportal and data hubs**
- **Easy reuse of existing infrastructures**
- **Linking GI, transport and other open data - wider use of GI in transport**
- **Enhancing knowledge with Volunteered Geographic Information**
- **Environment for SMEs developing new transport applications**

# Basic Info

<i>Full title</i>	<b>OpenTransportNet - Spatially Referenced Data Hubs for Innovation in the Transport Sector</b>
<i>Duration</i>	<b>02/2014 – 01/2017</b>
<i>Co-funded</i>	<b>Competitiveness and Innovation Framework Programme CIP-ICT-PSP-2013-7</b>
<i>Consortium</i>	<b>6 partners</b>

# Participants

Organisation	Country	Role
1. CORVE (Flemish eGovernment Agency)	BE	Project Coordinator & Proof of Concept
2. IS-Practice	BE	Project Management
3. Intrasoft	GR	Technology Lead
4. 21c Consultancy	UK	Co-Design and Dissemination Support
5. Birmingham City Council	UK	Pilot Partners and Transport Data Experts
6. iMinds	BE	Data Aggregation and Validation Experts
7. CEN Group	UK	Transport Technology Experts and Pilot Partner

Organisation	Country	Role
8. Help Service – Remote Sensing	CZ	Exploitation Lead and Pilot Partner
9. Issy Media	FR	Communication Lead
10. EDIP	CZ	Data Modelling Experts
11. University of West Bohemia	CZ	Geospatial Experts and Standards Coordinator
12. Exigen	LV	New Service Support – Mobile Development
13. Antwerp	BE	Pilot Site
14. Athens Technology Centre	GR	Innovation Tools

# Current state

<http://otn-production.intrasoft-intl.com/>

## Available applications:

- Dataset Importer (CKAN+Layman)
  - Map Composer
    - Map Styler
    - Map Viewer
- Metadata catalogue
- OTN Marketplace
- Discussion forum
- Developers tools

# Pilot cities objectives

- Antwerpen – collection of bicycle tracks – mobile app
- Birmingham – analyzing traffic accidents
- Issy-les-Moulineaux – collecting of bicycle tracks
- Liberec – crisis management

# Developer tools

<http://otn-production.intrasoft-intl.com/codes>

## Github:

- *OTN organisation page:*  
<https://github.com/opentransportnet>
- *OTN liferay*  
<https://github.com/opentransportnet/liferay>
- *DCAT-Merger*  
<https://github.com/opentransportnet/dcat-merger>
- *OTN Metadata profile*  
<https://github.com/opentransportnet/OTN-MP>
- *WebGlayer*  
<https://github.com/jezekjan/WebGLayer>

# WebGLayer.js library

## Examples:

### Heat map:

<http://jezekjan.github.io/webglayer/examples/ukaccidents/>

### Map with simple line representation:

<http://jezekjan.github.io/webglayer/examples/otn/>

### Interpolation:

<http://jezekjan.github.io/webglayer/examples/sensors/>

## Documentation:

<https://github.com/jezekjan/webglayer/wiki/API-reference>



Thank you for your attention!