



VIENNA 2018



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Asset Information Management for European Roads using Linked Data

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INTERLINK Project

- CEDR – Conference of European Directors of Roads
- Objective: define, link, manage infra asset information
 - Roads
 - Using W3C Linked Data approach
- August 2016 – Autumn 2018
- Deliverable: European Road Object Type Library (OTL)



Video:

ASSET INFORMATION
MANAGEMENT
USING LINKED DATA
FOR THE LIFECYCLE OF ROADS

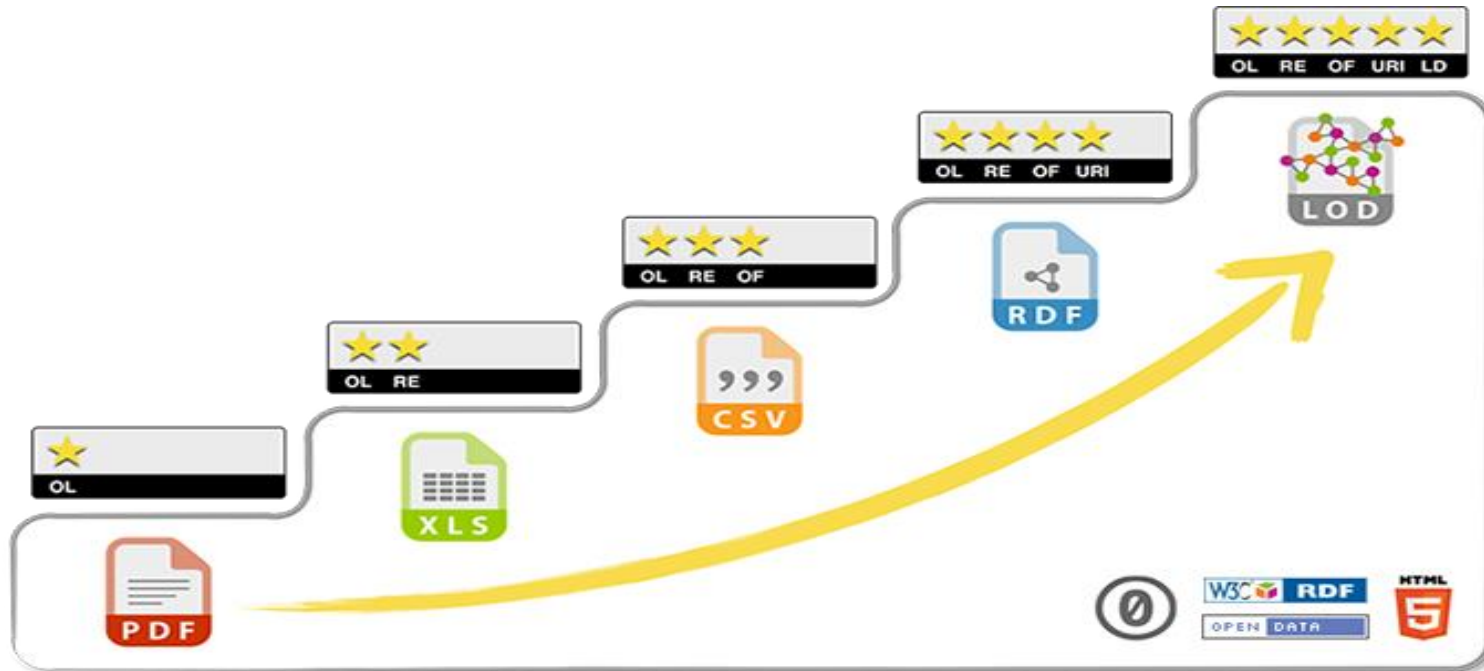
TNO – ROD – RHDHV – AEC3 – Trimble – Semmtech – ii – p&b4.0

European Road OTL (EUROTL)



- Framework of harmonised and linked existing OTLs on European level for Road Asset Management Data
- After the project, road owners can:
 - Gradually evolve from document- to data-driven, hybrid
 - Make data uniform using Modelling & Linking Guide
 - Reuse OTLs from the EUROTL and connect to national OTLs

From one star to five star linked open data: the hybrid approach



European Road OTL framework



Modelling & Linking Guide

Meta
Data

Location
Data

Time
Data

Quantity/Unit
Data

Traffic
Data

Road Network
Data

Monitoring & Control
Data

Environment
Data

Asset
Data

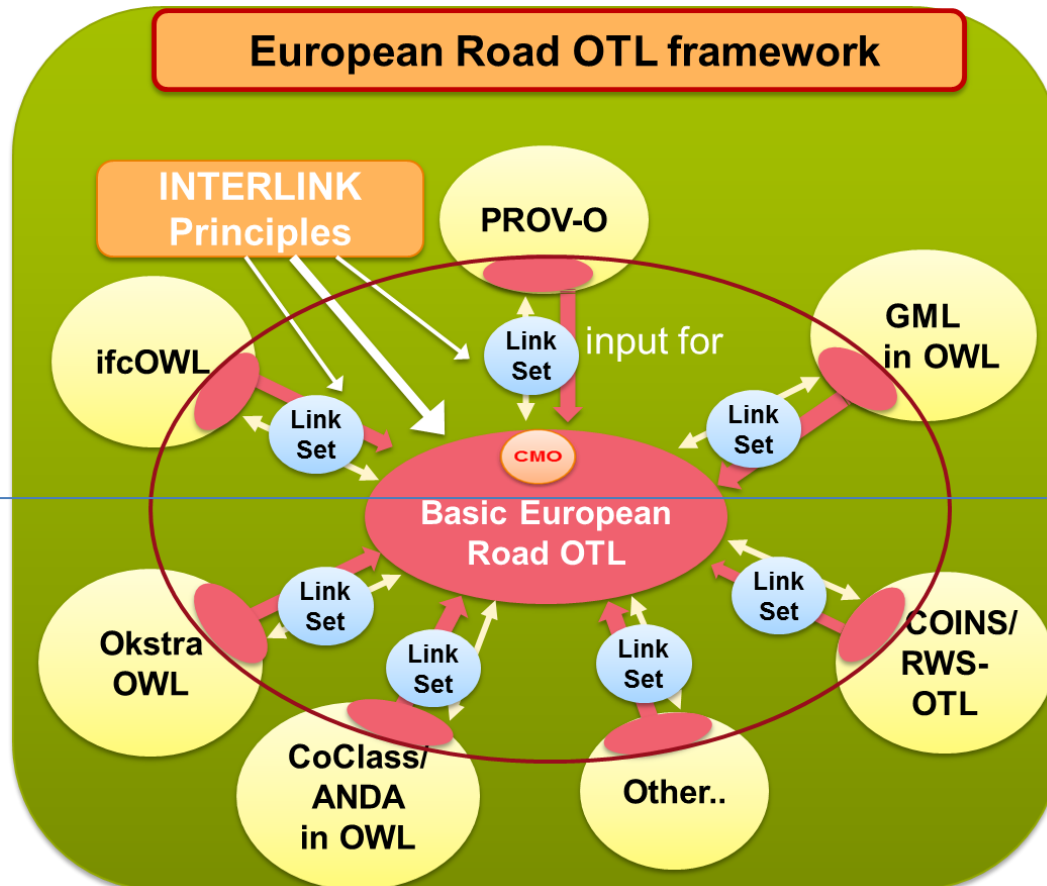
Maintenance
Data

NL classification

7

DE classification

Basic European Road OTL (Q3 '18)



Existing international OTLs

Existing national OTLs

Conclusions for asset information in infra



- Data should be liberated
- Mother-of-all-Models doesn't exist: Make use of existing standards
- Hybrid is the future
- Linked Data is the glue
- Bottom-up model development and reuse

- Stay informed: www.roadotl.eu



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