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TRANSPORTDATA.BE

THE BELGIAN NAP FOR MULTIMODAL TRANSPORT INFORMATION
SERVICES (MMTIS)

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Program

1. INTRODUCTION

Jasper Beernaerts - NG



2. LEGAL FRAMEWORK & BELGIAN APPROACH

Nele Dedene - MOW



3. IMPLEMENTATION & DEMO

Jasper Beernaerts - NGI

4. Q&A

Introduction video NAP - English

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ITS Directive 2010/40/EU: Framework for the Deployment of Intelligent Transport Systems

- **Context**

- Slow and fragmented deployment
- Lack of cooperation among stakeholders
- Lack of interoperability
- Issues of privacy, data protection and liability related to the sharing of data

=> **ITS Directive 2010/40/EU**

- Establishing a framework for coordinated and effective deployment and use of ITS
- Setting common priorities
- Development of specifications and standards

4 priority areas

Optimal use of road,
traffic and travel data

Continuity of traffic
and freight
management ITS
services

Road safety and
security

Integrating/linking the
vehicle with the
transport infrastructure

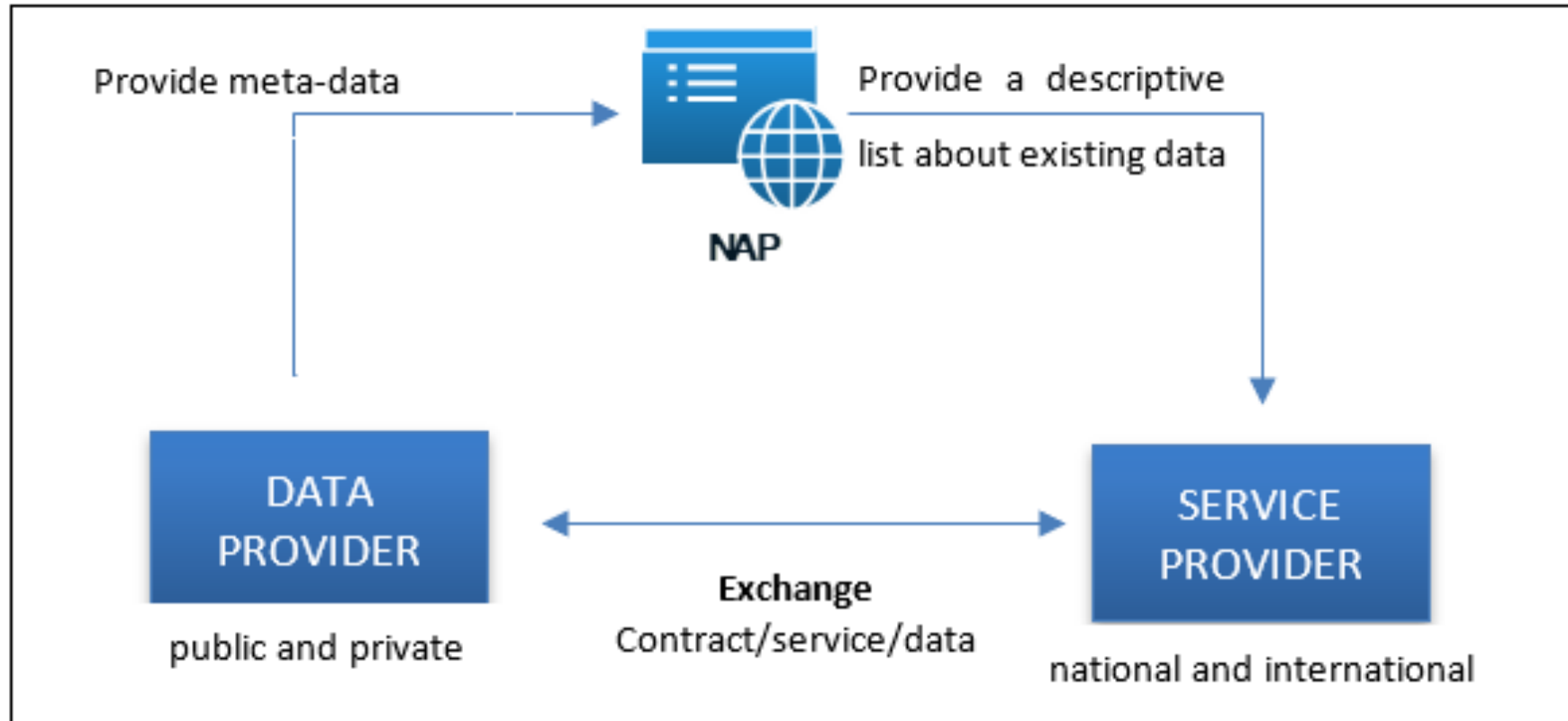
Delegated regulations under the ITS Directive 2010/40/EU

- DR (EU) No 305/2013 - harmonized provision for an interoperable EU-wide eCall
- DR (EU) No 885/2013 - the provision of information services for safe and secure parking places for trucks and commercial vehicles
- DR (EU) No 886/2013 - the provision, where possible, of road safety-related minimum universal traffic information free of charge to users
- DR (EU) No 962/2015 - the provision of EU-wide real-time traffic information services
- DR (EU) 2017/1926 - the provision of EU-wide Multimodal Travel Information Services (MMTIS)

Delegated Regulation MMTIS (EU) 2017/1926

- For the provision of EU-wide multimodal travel information services (MMTIS)
- National Access Point (NAP) for all data related to the transport of persons
 - Data owners are required to make their datasets available via this access point
 - Facilitates data access
 - Improves interoperability through the use of standards
 - Stimulates the use and re-use of data

Belgian NAP MMTIS



Which “modes of transport” are concerned?

- **Scheduled**

- Air, rail including high speed rail, conventional rail, light rail, long-distance coach, maritime including ferry, metro, tram, bus, trolley-bus

- **Demand-responsive**

- Shuttle bus, shuttle ferry, taxi, car-sharing, car-pooling, car-hire, bike-sharing, bike-hire

- **Personal**

- Car, motorcycle, cycle

Who are the data providers?

- **Transport authorities**

- any public authority responsible for the traffic management or the planning, control or management of a given transport network or modes of transport, or both, falling within its territorial competence;

- **Transport operators**

- any public or private entity that is responsible for the maintenance and management of the transport service;

- **Transport on demand service providers**

- any public or private provider of transport on demand service to users and end-users, including travel and traffic information thereof;

- **Infrastructure managers**

- any public or private body or undertaking that is responsible in particular for establishing and maintaining transport infrastructure, or part thereof.

What are the obligations of the data providers?

- Data providers must
 - Register their organization on the NAP
 - Register the metadata related to their data sets and services, as well as links to the source data and/or licensing information
 - Register static data (mandatory)
 - It is highly recommended to also register dynamic data

Which data is concerned + timetable

Data	Zone	Deadline
Level of service 1: Address, Topography, Timetables, facilities, Accessibility, pedestrian network, etc.	Comprehensive TEN-T network	1 December 2019
Level of service 2: Park & Ride stops, Bike sharing stations, refuelling stations, where and how to buy tickets, standard fares, on-board Wi-Fi, etc.		1 December 2020
Level of service 3: Passenger classes fare, Special Fare Products, aggregated products combining different products such as parking, How to pay, to book, calculating an environmental factor, etc.		1 December 2021
Levels of service 1-3	Entire road network	1 December 2023

Who are the users?

- Any public or private entity which uses the NAP such as:
 - Transport authorities
 - Transport operators
 - Transport on demand service providers
 - Infrastructure managers
 - Travel information service providers
 - Digital map producers

IMPLEMENTATION

Transportdata.be = Metadata portal

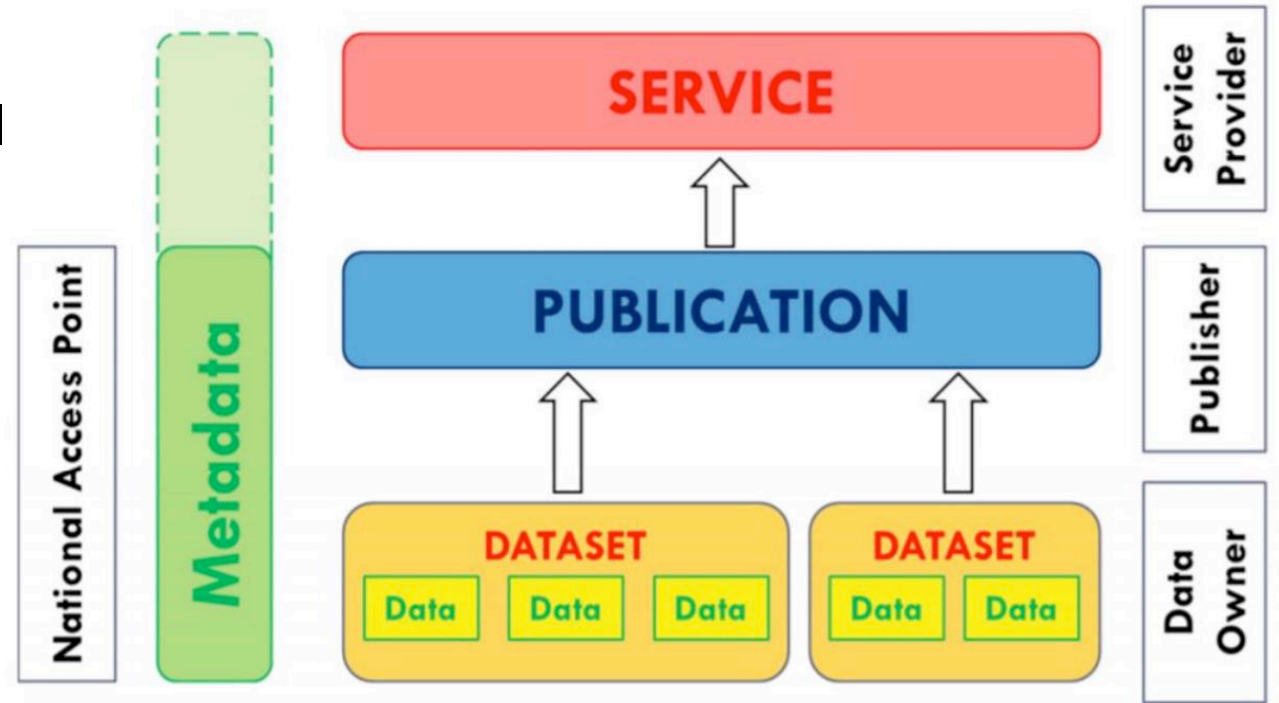
1. Links to mobility data provided by stakehol
2. Links to services provided by stakeholders

➤ The links are supplemented with metadata

- Metadata catalogue

➤ Repository function for small datasets

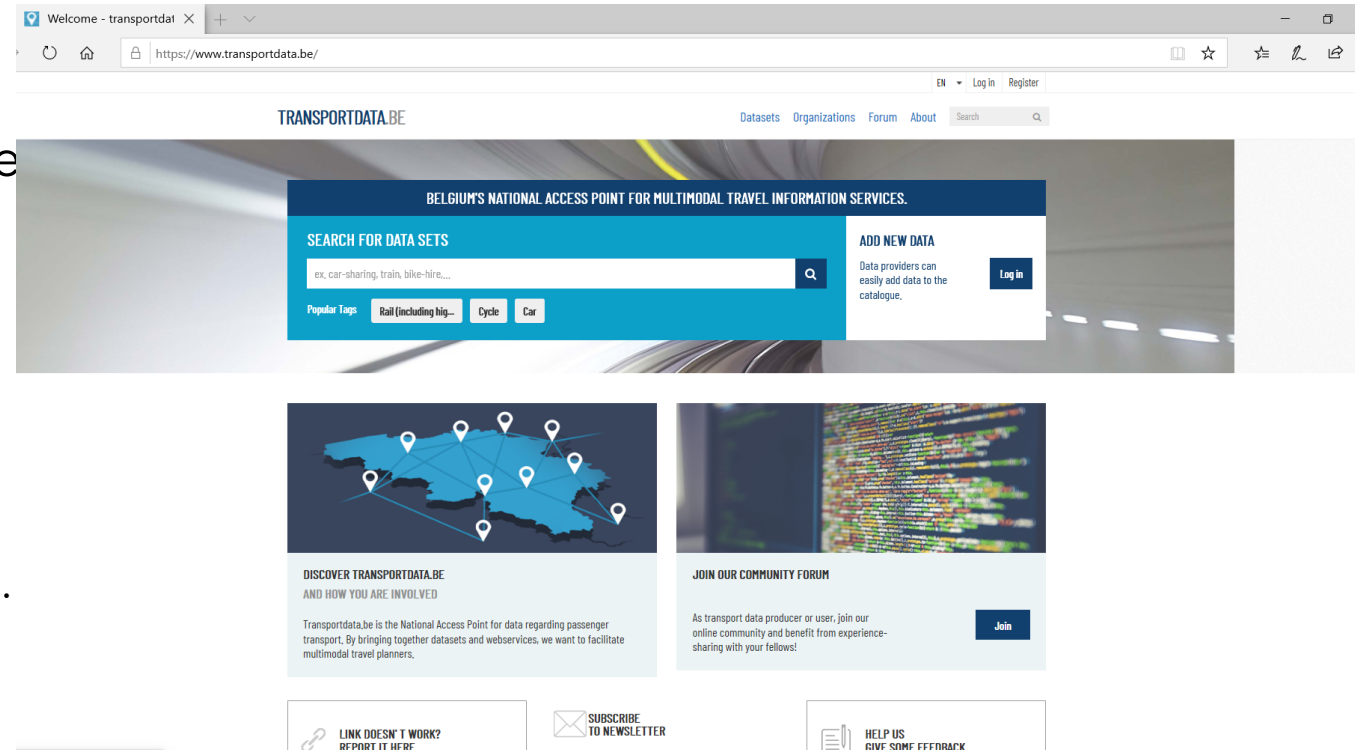
➤ Registration mandatory, **NOT** obligation for open data



IMPLEMENTATION

Technical

- CKAN = open-source data portal software
- Metadata catalogue
 - EU EIP SA46:
 - “Coordinated Metadata Catalogue”
 - List of mandatory fields
 - Participants: Germany, Netherlands, Austria,...
- DCAT-AP
 - DCAT Application Profile for dataportals in Europe
 - Vocabulary designed to facilitate interoperability between online data catalogues



IMPLEMENTATION

- Multimodal travel planners
- Travel services
- Research
- ...

➤ Interoperability

➤ DCAT-AP

➤ "Harvesting"

➤ In progress

➤ Filter: only transport-related data

➤ EU 2017/1926



EUROPEAN DATA PORTAL

TRANSPORTDATA.BE

.be Data.gov.be

INFORMATIE
VLAANDEREN



Vlaamse
overheid



Open
Data



gent: Open Data Portaal



Open Data
Wallonie-Bruxelles

Region Cities Companies Others

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QUESTIONS?

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