



Stakeholders Forum
5 November 2020

DATA4PT in a nutshell
Guido Di Pasquale - UITP



FACTSHEET

- Type of Action: PSA/CEF
- Start date: 2 January 2020
- End date: 1 January 2024
- Duration: 48 months
- Budget: 2,423,200 €
- Funding: 1,998,560 €



Programme Support Action under the CEF Transport to support Member States in the development and deployment of European public transport data standards Transmodel, NeTEx and SIRI for the provision of Union-wide multimodal travel information services



Consortium

Coordinator:



ADVANCING
PUBLIC
TRANSPORT

Technical Manager:



INFORMATION TECHNOLOGY
for PUBLIC TRANSPORT

Member States

Austria



Croatia



Czech Republic



France



Denmark



Italy



Portugal



Slovenia



Sweden





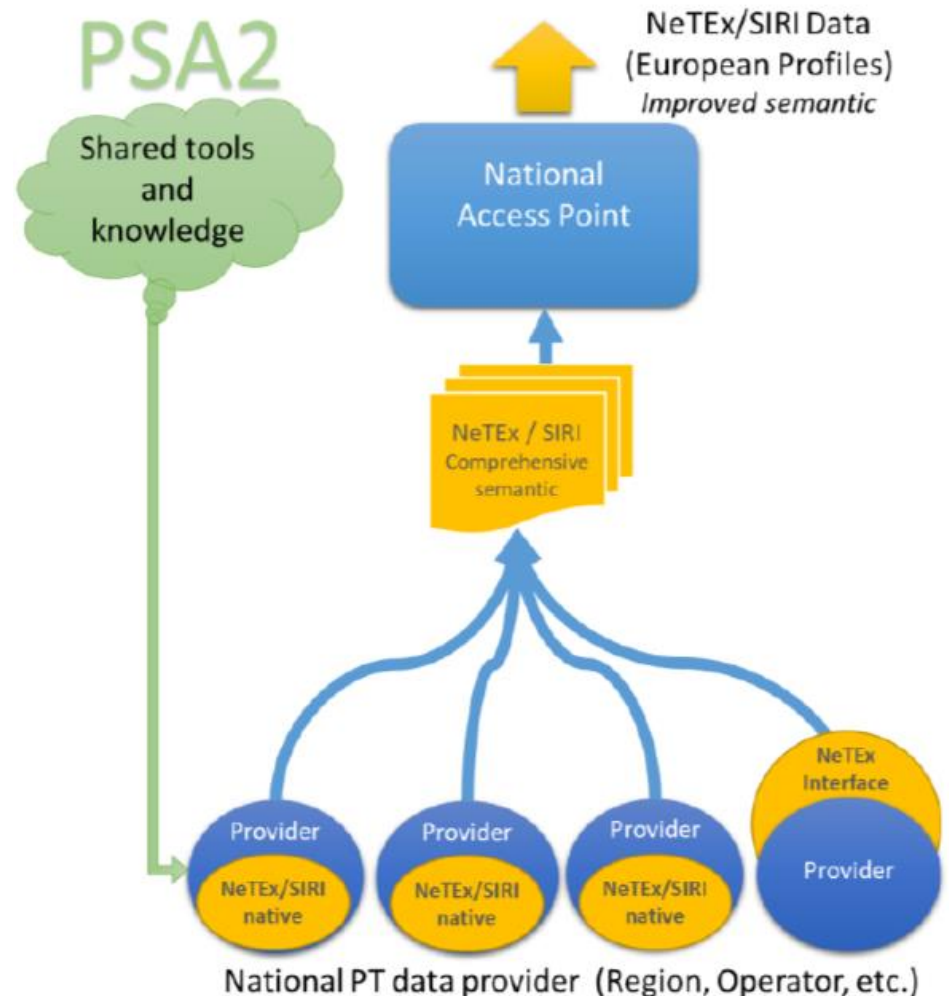
Observers/User Group

- Germany (VDV)
- UK (Department for Transport, Traveline.info)
- Netherlands (Opengeo, Dova, RWS)
- Norway (Norwegian Railway Directorate, Entur)
- Switzerland (Federal Office of Transport, SBB)
- Belgium (Belgian ITS Steering Committee: STIB/MIVB, DeLijn)
- Ireland (NationalTransport)
- Spain (Fomento)
- Luxemburg (Verkéiersverbond)
- Poland (Ministry of Transport)
- Hungary (Ministry of Transport)
- European Railways Agency (ERA)
- Shift2Rail Joint Undertaking



Scope

Programme Support Action (PSA) to support Member States in the development and deployment of European public transport data standards Transmodel, NeTEx and SIRI for the provision of Union-wide multimodal travel information services which apply to the TEN-T network including urban nodes.





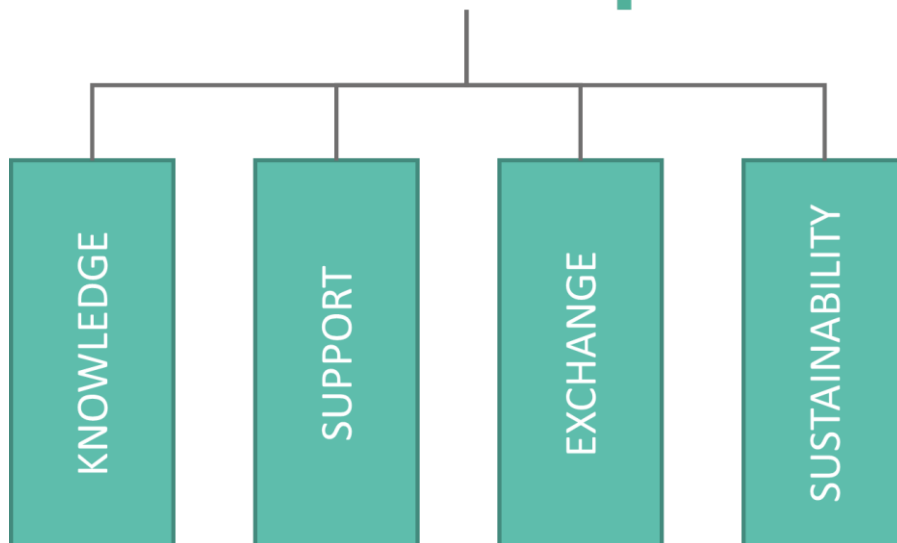
Vision

Enable the interoperable exchange of travel data in accordance with the technical requirements outlined in ITS Directive Delegated Regulation EU 2017/1926 across the Union.

Enhance multi-stakeholders cooperation and partnerships amongst public authorities and travel information service providers

Accompany and facilitate the Member State's implementation of delegated Regulations under Directive 2010/40/EU which apply to the TEN-T network.

dataapt



dataapt



Objectives

1. Support the technical development of Transmodel, NeTEx and SIRI to fulfil the needs of multimodal travel information service providers
2. Foster the operational use of NeTEx, SIRI and Transmodel and EU common minimum profiles by Public Transport Operators and Public Transport Authorities
3. Support operative integration on level of transport operators/authorities
4. Support standards integration on level of National Access Point
5. Develop the Transmodel, NeTEx and SIRI end-user community
6. Build a long term sustainable governance and business model

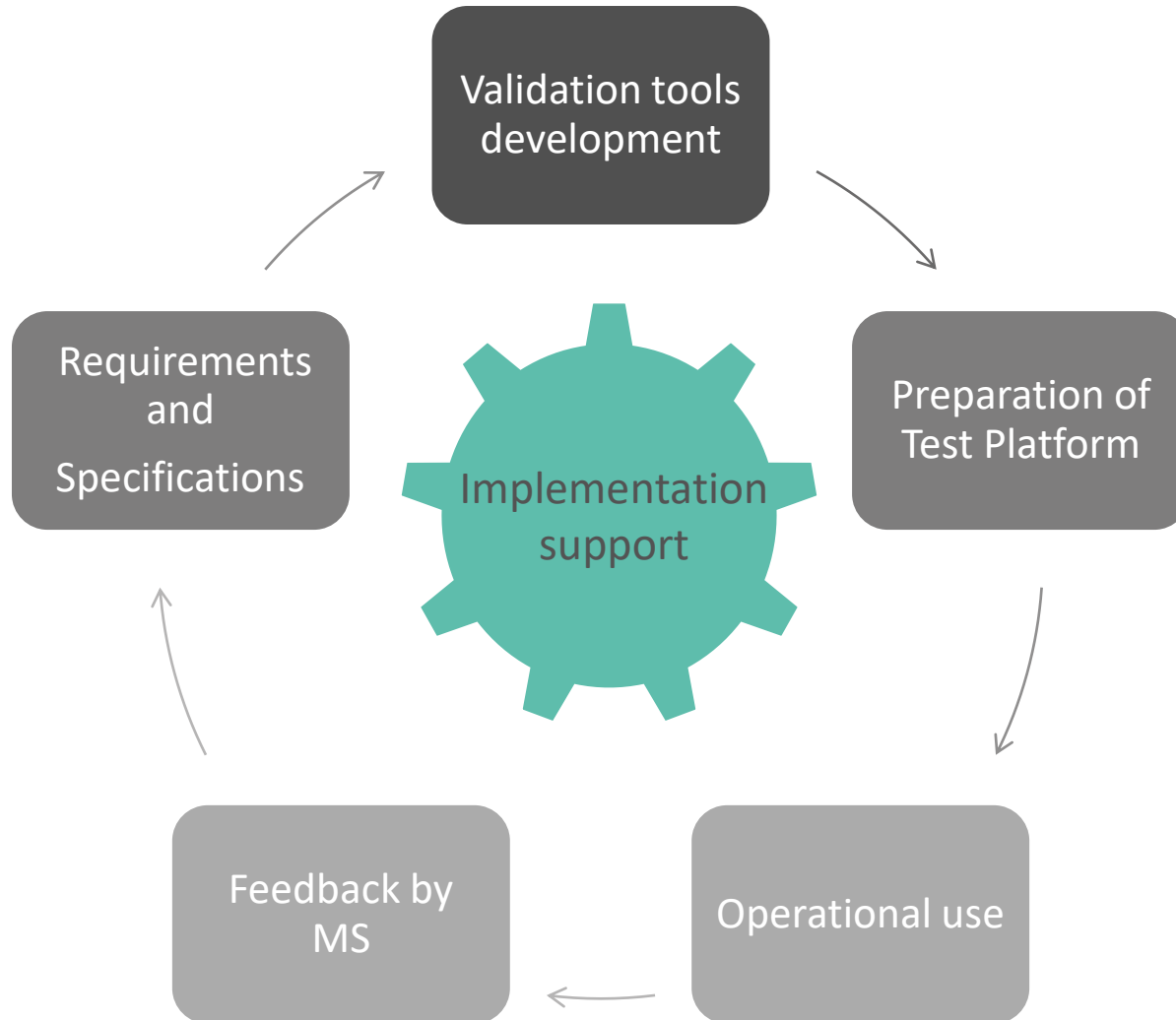


The approach

1. Develop Common European minimum Profile (eg SIRI, NeTEx fares)
2. Develop data validation tools and test platform and conduct technical artefact maintenance
3. Create and coordinate the expert team
4. Conduct required updates for all standards and establish and maintain a relation with CEN
5. Provide training support to Member States for the operational use of standards, validation tools and platform
6. Exchange of best practice
7. Disseminate actions and organise Stakeholders Workshops



Overview of technical activities





Initial outcomes

- Requirements report
- Definition of the operational use pilot programme addressing MS specific objectives
- Creation of experts team and provision of technical support to stakeholders
- Website to support requests submission and host a knowledge base



Requirements report – general conclusions

- Data validation is **not a common procedure** or concept for MS (partners and observers).
- **Depending on the level of EU standards implementation** in a country, validation focuses on:
 - the compliance to the NeTEx/SIRI format
 - the consistency against their XML schema or to the corresponding national regulations
- Need for checking data validity and accuracy.
- MS with lower level of implementation highlight the need of tools for data translation.
- MS with higher level of implementation employ tools to natively produce standardised data.
- It is expected that validation tools will further encourage PTAs/PTOs to provide complete, accurate, harmonised data



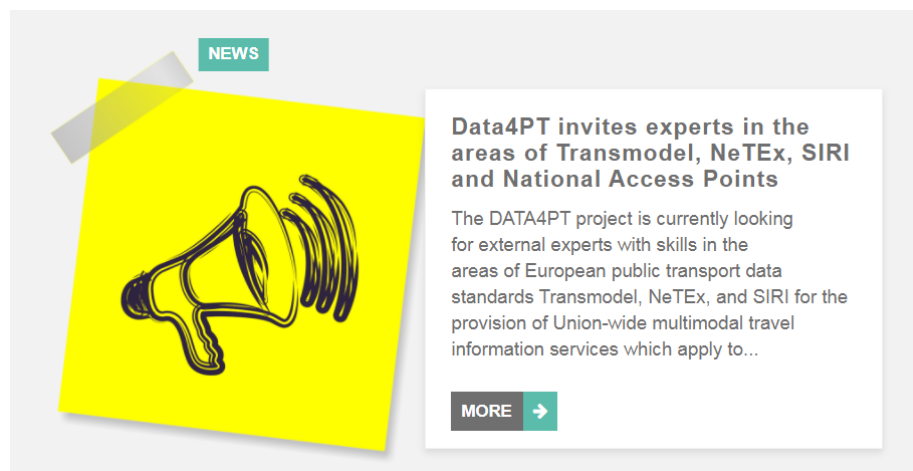
Pilot programme – general conclusions

- NAPs oriented pilots or pilots focused on specific sites
 - Austria, Sweden, Slovenia
 - Italy, France, Denmark, Portugal, Czech Republic, Croatia
- Current state of implementation
 - No homogeneous data standard implementation
 - NAPs just starting to deliver data in different formats :
 - mix of EU standard-based for few (NeTEx and SIRI), light established standard (GTFS) and background national formats.
- MS Objectives and expectations from pilot implementation:
 - the strengthening of knowledge and the increase of familiarity with EU standards by the involved PTOs and PTAs,
 - the facilitation of data preparation procedures to feed NAPs,
 - the harmonisation of national profiles with a common minimum profile to be adopted in EU level (EU minimum profile).



Experts Team

- provide technical expertise
- maintain technical artefacts
- support MS for writing profiles
- share experience and best practices with stakeholders
- provide teaching courses, training sessions and introductory material
- manage the relations with CEN





Current experts' team

- Christophe Duquesne (FR)
- Nick Knowles (UK)
- Kasia Bourée (FR)
- Ulf Bjersing (SE)
- Stefan de Konink (NL)
- Fabrizio Arneodo (IT)



Data4PT Website

[ABOUT](#)[DATA MODELS](#)[CONSORTIUM](#)[TECHNICAL SUPPORT](#)[KNOWLEDGE BASE](#)[NEWS & EVENTS](#)[CONTACT US](#)

Data4PT

The DATA4PT project aims to advance data-sharing practices in the public transport sector by supporting the development of data exchange standards and models, to fulfil the needs of multimodal travel information service providers.

By supporting EU Member States in deploying a set of harmonised European public data standards (Transmodel, NeTEx and SIRI), DATA4PT wants to enable union-wide multimodal travel information services and contribute to a seamless door-to-door travel ecosystem across Europe that covers all mobility services.

[I WANT TO KNOW MORE](#)

Website launched in June 2020: www.data4pt-project.eu

News & Events

EVENT

Save the date

data4pt STAKEHOLDERS WORKSHOP

Virtual meeting
5 November 2020

DATA4PT first Stakeholders Workshop - 5 November 2020

On 5 November 2020, DATA4PT will organise its first Stakeholders Workshop! The DATA4PT project aims to advance data-sharing practices in the public transport sector by supporting the development of data...

[MORE](#)**NEWS**

Data4PT invites experts in the areas of Transmodel, NeTEx, SIRI and National Access Points

The DATA4PT project is currently looking for external experts with skills in the areas of European public transport data standards Transmodel, NeTEx, and SIRI for the provision of Union-wide multimodal travel information services which apply to...

[MORE](#)



Data4PT Website

- Website includes core info on project: objectives, scope, consortium & implementing bodies, contact details
- Enables stakeholders to request technical support
- A separate page is dedicated to Transmodel, NetEX, SIRI and OpRA, with links to dedicated websites
- “Data Knowledge Base” currently being set up
- At a later stage, further harmonisation with data models website will be realized

Questions, feedback or suggestions?

Coordinator
Guido Di Pasquale (UITP)
✉ guido.dipasquale@uitp.org
🌐 www.uitp.org

Technical Manager
Emmanuel De Verdalle (ITxPT)
✉ emmanuel.de-verdalle@itxpt.org
🌐 www.itxpt.org

[Report a technical request](#)

NetEX
NetEX has been developed under the aegis of CEN (Comité Européen de Normalisation) to systemise and harmonize European passenger information data.

OpRa
OpRa (Operating Real Data and statistics exchange) is an CEN initiative under TSI2709023 exchanging information about the planned, current or projected performance of real-time public transport operations between

Logos of participating organizations:

- UITP: ADVANCING PUBLIC TRANSPORT
- ITxPT: INFORMATION TECHNOLOGY for PUBLIC TRANSPORT
- Bundesministerium Klimaschutz, Umwelt, Energie, Mobilität, Innovation und Technologie
- REPUBLIQUE DE CROATIE: Ministry of the Sea, Transport and Infrastructure
- CDU: TRANSPORT RESEARCH CENTRE
- Trafik-Bygger og Budgetsystem
- MINISTRE DE LA TRANSITION ÉCOLOGIQUE ET SOLIDAIRE
- Governo Italiano
- IMT: INSTITUTO ITALIANO DI STUDI E Ricerche sui Trasporti
- REPUBLIKA SLOVENIJA: GOVSI
- TRAFIKVERKET



How to reach experts and receive customised support?

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DATA4PT request

This form aims to collect input technical request about Data4PT activities, regarding harmonized European public data standards (Transmodel, NeTEx and SIRI)

* Required

Email address *

Your email

First Name *

Your answer

Last Name *

Your answer

Organization *

Your answer

in the public transport
standards and models, to
s.

sed European public
s to enable union-
seamless door-to-



Knowledge base

Dedicated tab where all supportive material (FAQ, examples, training material, links etc.) will be stored.

Technical support (Requests & Requirements)

Dedicated tab for submitting requests & requirements.



Submit your request

- What kind of requests and requirements can you submit?
- Description of the categories of topics and examples of requests.

Requests & requirements

One of the main objectives of the DATA4PT project is to support entities with the implementation of data models NeTex, Transmodel, and SIRI. By doing this, DATA4PT aims to enhance the interoperability of information travel services in the public transport sector.

Who can ask for support?

Everybody with an interest into public transport, data and travel information services is welcome to submit a request for support. DATA4PT provides support to entities responsible for National Access Points (NAP) when implementing multimodal travel information services (MMTIS) according to EU data standards. We also support public transport authorities, operators, data producers and data consumers, and the IT industry.

How can I ask for support?

Simple: you can submit your technical request or requirement below. The DATA4PT technical Expert Team will process any incoming request and reply through appropriate channels, depending on the issue's nature. If development is required, we will contact you to discuss a solution.

More information about [NeTex](#), [Transmodel](#) and [SIRI](#) is also available on their dedicated websites, or in the [DATA4PT Knowledge Base](#).

Technical requests

What kind of technical requests can you submit to the DATA4PT team?

Implementation support: related to "day to day" operation where DATA4PT related topics are implemented. It includes artefacts maintenance, standard use-cases, national profiles etc. Some examples are:

- ✓ *System interface specifications with operational system*
- ✓ *Support on NAP implementation*
- ✓ *SIRI support and bug report*
- ✓ *Question related to profile definition*
- ✓ *Use of NeTex for ERP (accessibility of public places)*
- ✓ *Support for NeTex implementation*

Tools: support for the use of existing tools or to build extra tools to support implementation. Some examples are:

- ✓ *How to use NeTex/SIRI with MS Tools ?*
- ✓ *Question around the implementation for Chouette*

SUBMIT A REQUEST

Requirements

There might be additional requirements for you to be able to implement NeTex, Transmodel and SIRI. The DATA4PT team is happy to provide you with additional tools such as:

Training: our expert team will assess any requirements for training events/webinars and training material development. These can be trainings on for example:

- ✓ *Explanation of the Transmodel Ecosystem*
- ✓ *General questions and questions about fares*

Public Transport Standards update: for example *standards to include car-sharing, bike-sharing, mobility on demand... etc.*

External exchanges: Our expert team will assess any requirements and consider proposing liaison exchange / dialogue with related bodies.

SUBMIT A REQUIREMENT



Thank you for your attention

<https://data4pt-project.eu/>



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