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GLOBAL PUBLIC
TRANSPORT SUMMIT



Transmodel

Transmodel enhancements: Towards smarter public transport information across Europe

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TRAVELLERS NEED INFORMATION THAT IS:

- Dependable
- Relevant
- Consistent



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Across different:

- Transport modes



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Public
Transport
Authority

PT Operator

PT Operator

PT Operator

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Across different:

- Transport modes
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- Output channels



Public
Transport
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MANY SYSTEMS INVOLVED



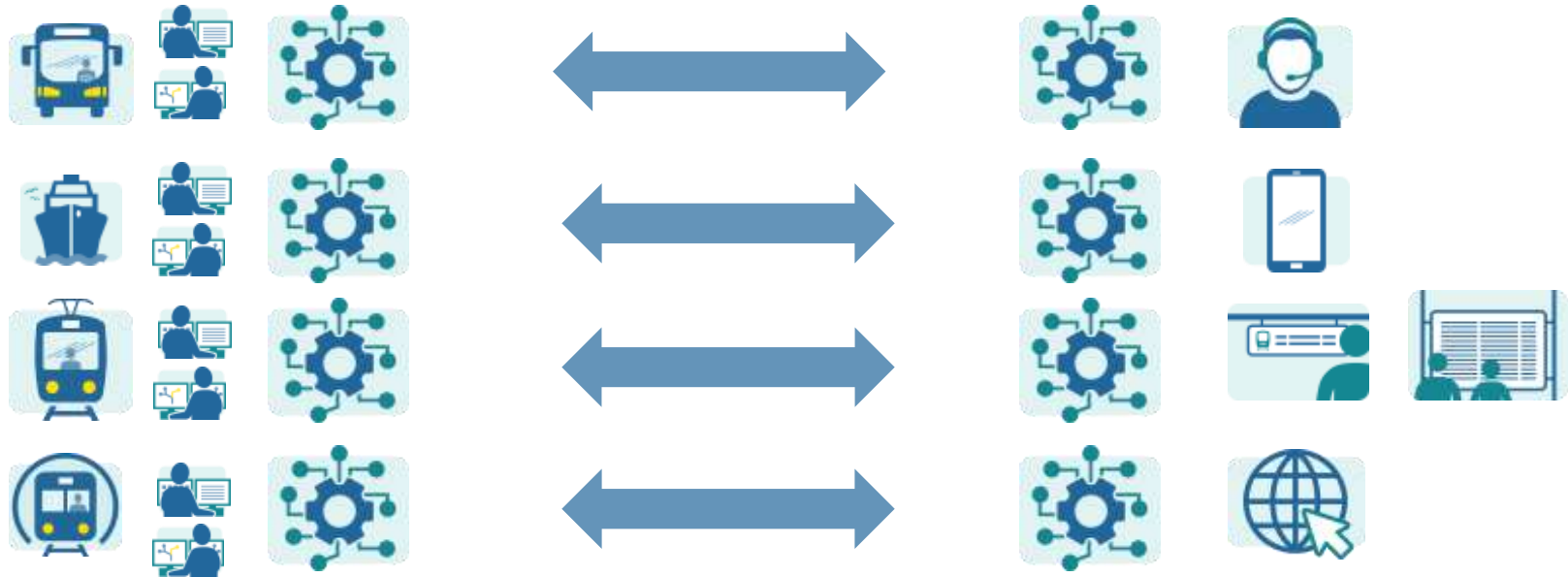
Public
Transport
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DIFFERENT SYSTEMS MUST INTERACT



BUT DO DIFFERENT SYSTEMS UNDERSTAND EACH OTHER?



It will be much easier to achieve the goal of **interoperating systems**, if all the systems in question are using **similar definitions, structures** and meanings for their data.

We need a common language for public transport !

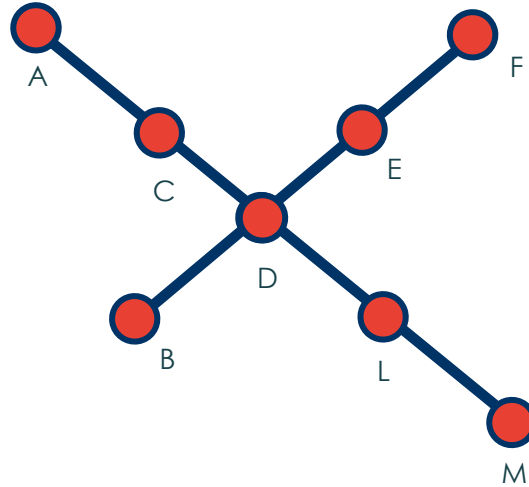
TRANSMODEL - EUROPEAN STANDARD EN12896



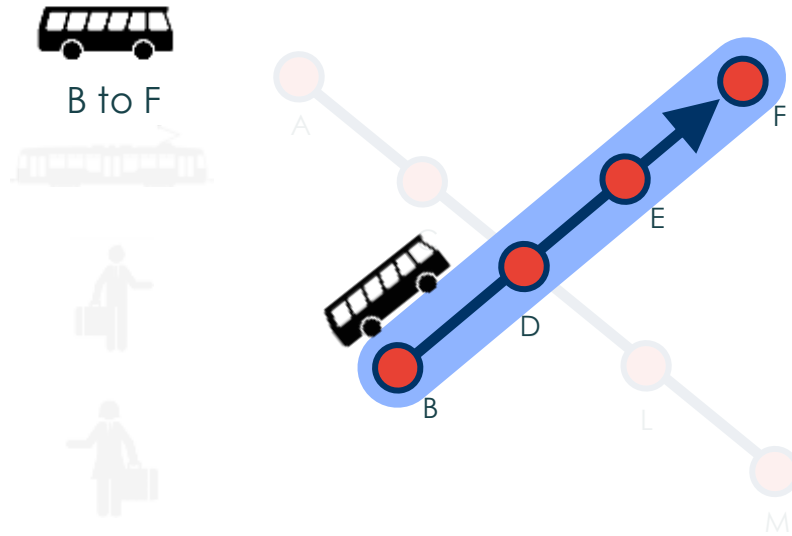
It provides:

- A **conceptual data model** for the public transport industry.
- Consistent **data semantics** across different types of implementations

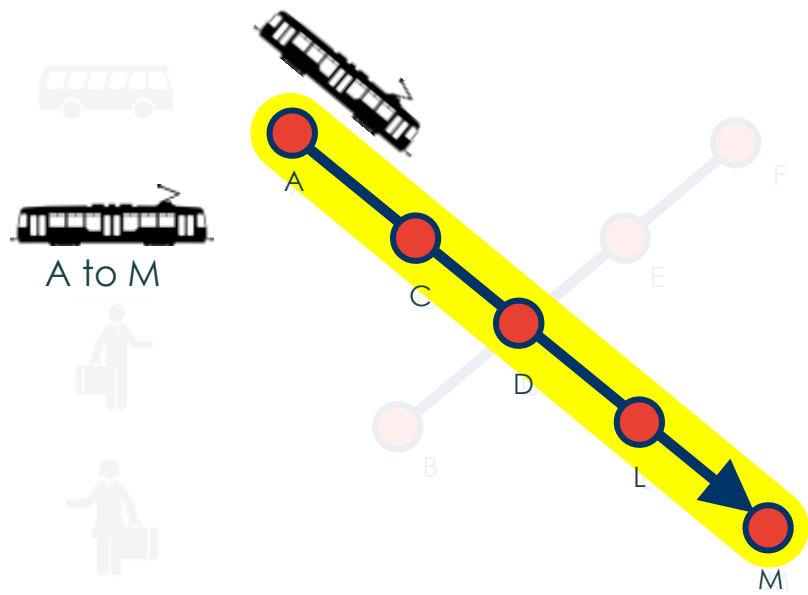
EXAMPLE: JOURNEY AND TRIP



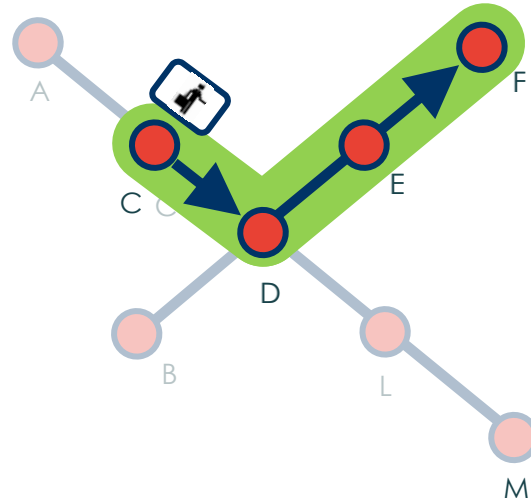
TRANSMODEL – SERVICE JOURNEY



TRANSMODEL – SERVICE JOURNEY



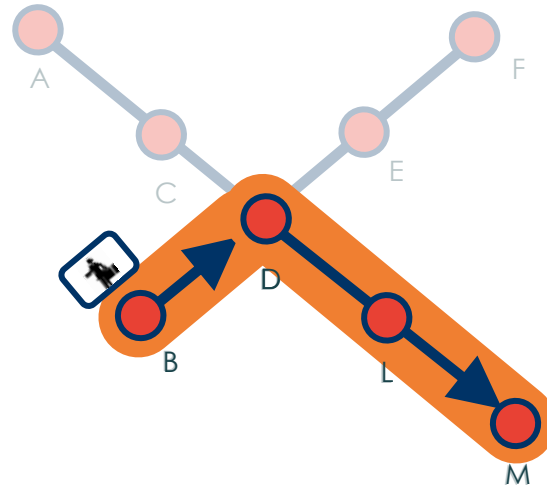
TRANSMODEL – PT TRIP



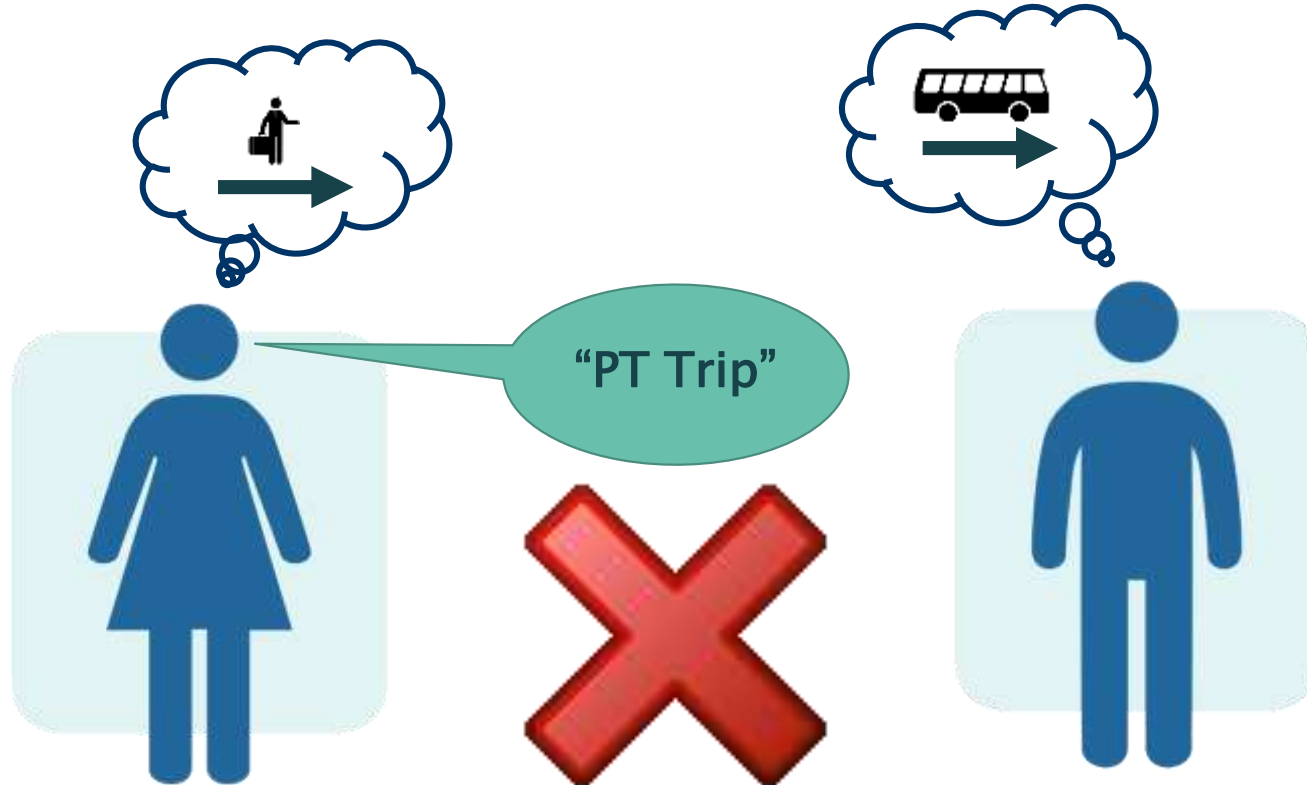
TRANSMODEL – PT TRIP



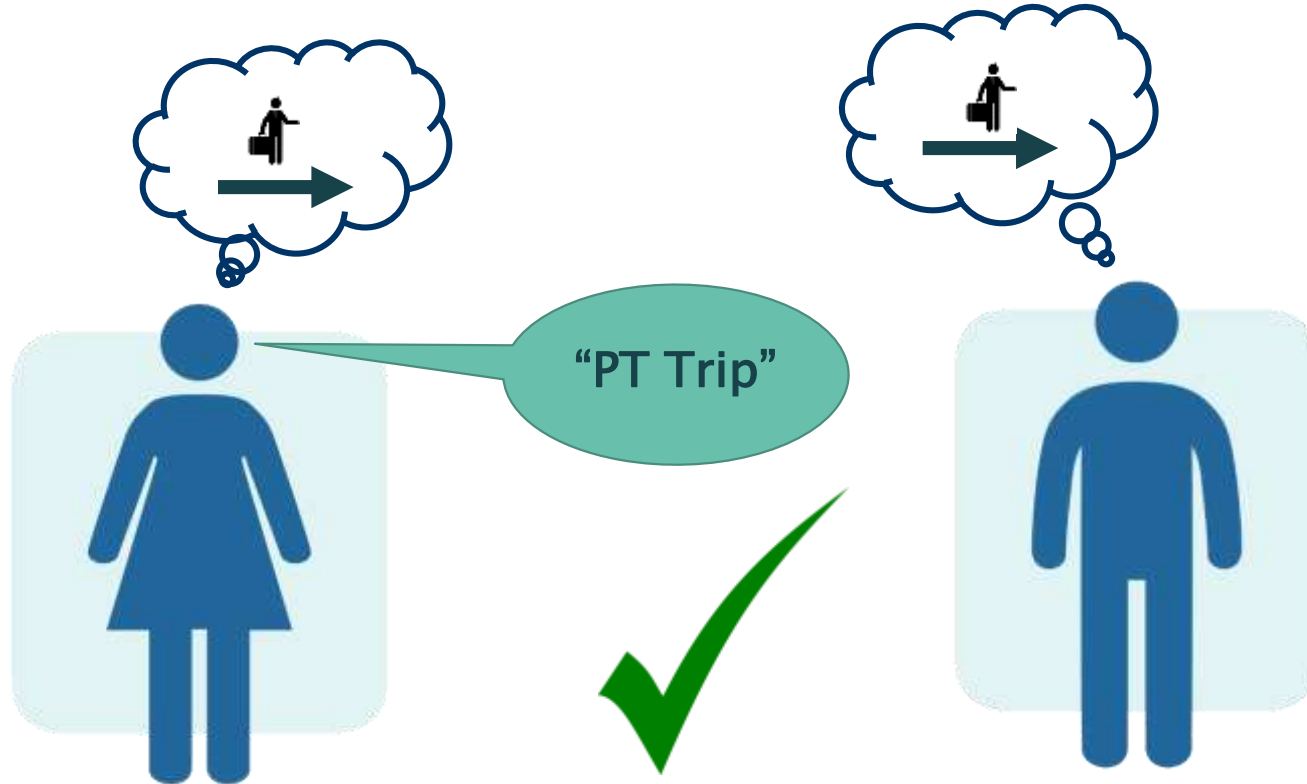
B to M



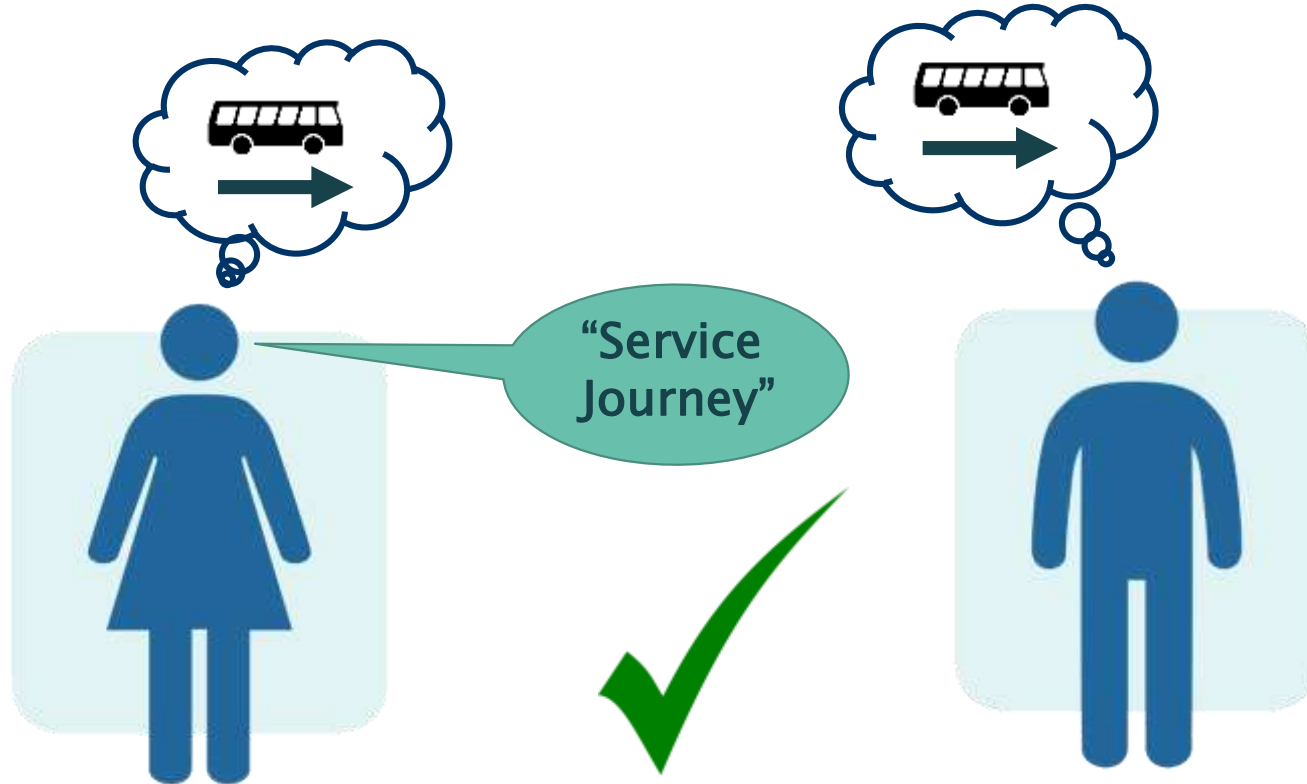
NOT HAVING A COMMON LANGUAGE...



HAVING TRANSMODEL AS A COMMON LANGUAGE...



HAVING TRANSMODEL AS A COMMON LANGUAGE...



WATCH TRANSMODEL VIDEO



<https://www.youtube.com/watch?v=dTt1xdwmzs0#action=share>

TRANSMODEL V5.1 -> V6



Following the acceptance by the European Commission of a proposal from CEN, funding was granted for a team of experts, to update the Public Transport Reference Data Model (EN12896) known also as Transmodel.



Transmodel

TRANSMODEL V5.1 -> V6



Following the acceptance by the European Commission of a proposal from CEN, funding was granted for a team of experts, to update the Public Transport Reference Data Model (EN12896) known also as Transmodel.

Expert team:

- Kasia Bourée, KBIC, France
- Christophe Duquesne, Aurige, France
- Ulf Bjersing Hogia, Sweden
- Nicholas Knowles Steam Intellect, UK
- Fabrizio Arneodo, 5T, Italy
- Stuart Reynolds Reynolds Consultancy Ltd, UK
- Andrej Tibaut University of Maribor, Slovenia



Transmodel

TRANSMODEL VERSION 6



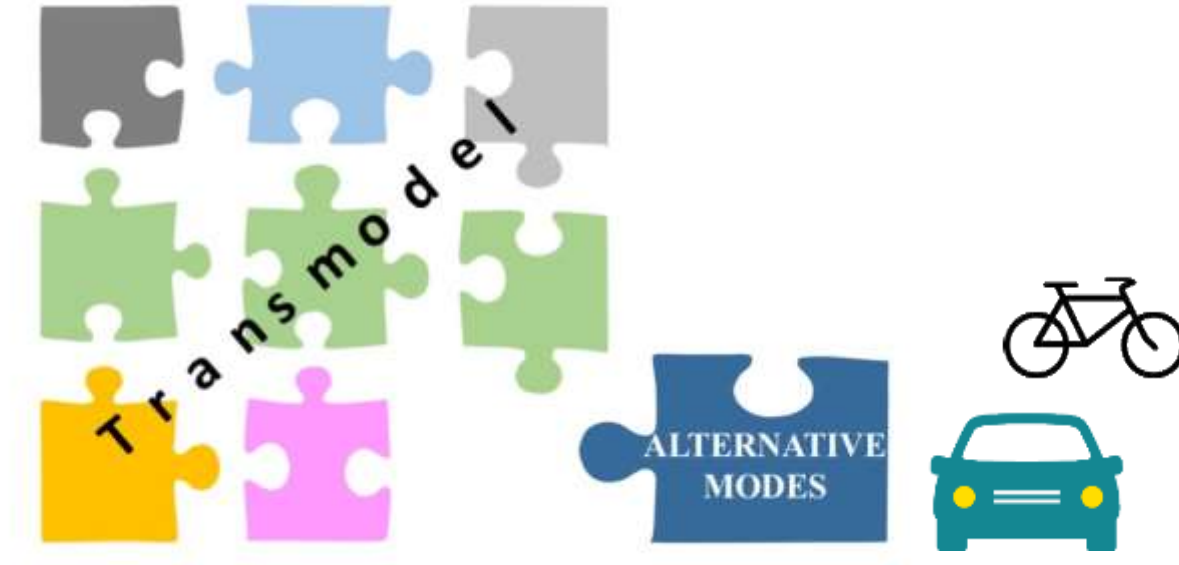
TRANSMODEL VERSION 6

Example: Added support for alternative modes



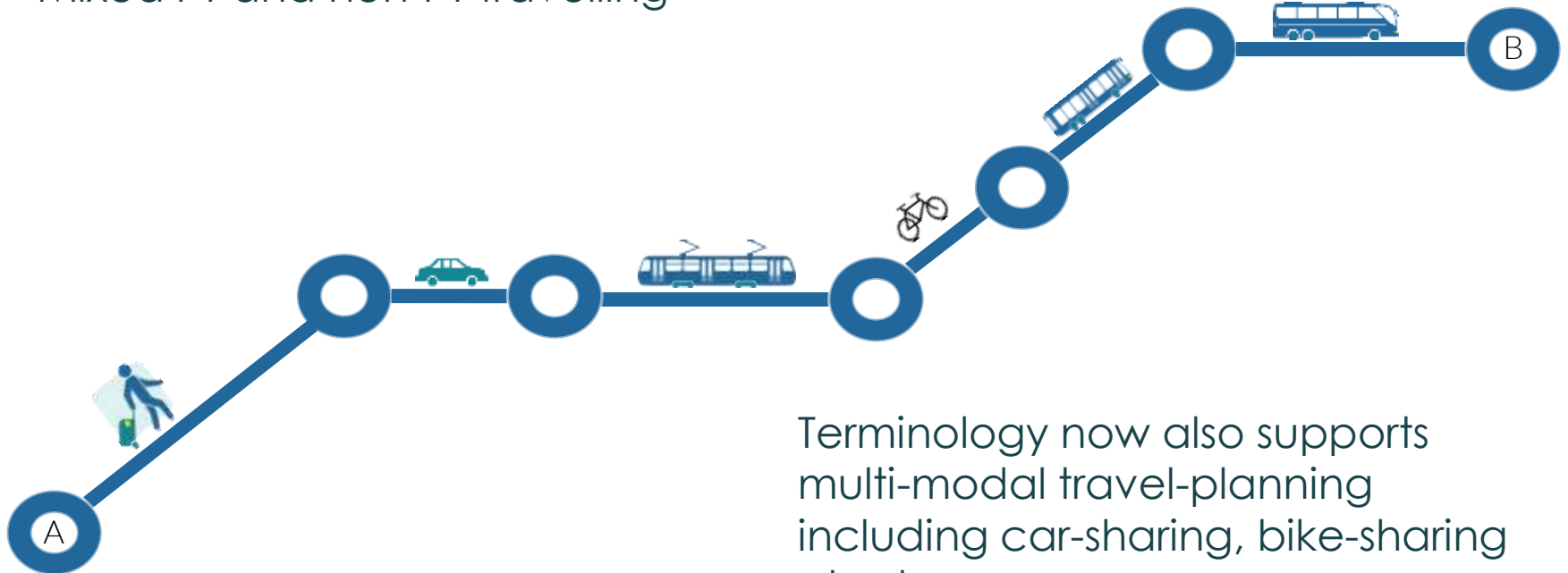
TRANSMODEL VERSION 6

Example: Added support for alternative modes



TRANSMODEL VERSION 6

Mixed PT and non-PT travelling



Terminology now also supports multi-modal travel-planning including car-sharing, bike-sharing etcetera

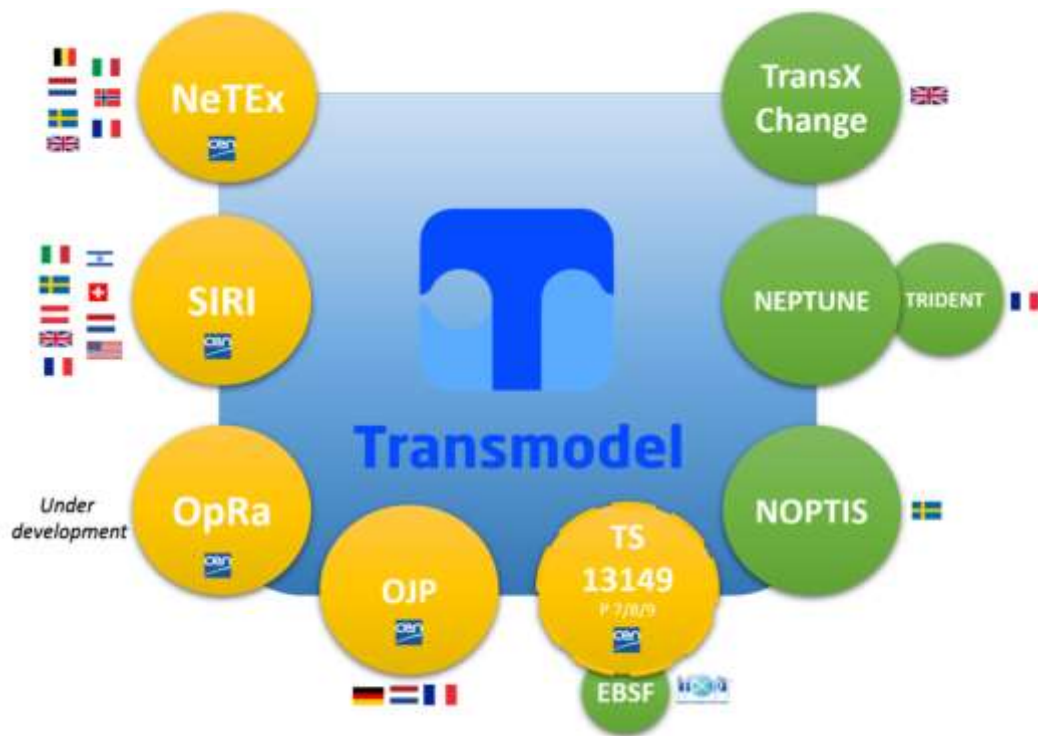
TRANSMODEL VERSION 6



Added support for

- Accessibility information
- Detailed description of stations and terminals
- Train coupling
- And much more

TRANSMODEL – BASIS FOR DATA EXCHANGE STANDARDS



TRANSMODEL - EXCHANGING INFORMATION ACROSS EUROPE



EU regulation - Provision of EU-wide multimodal travel information services.

Starting in 2019, the EU Member States are committed to make their public transport information available using Transmodel-based formats at National Access Points.

CONCLUSION



- Transmodel provides matching definitions, structures and semantics for PT data allowing coherent, precise and efficient data exchange across domains
- Use Transmodel as the starting point when defining new data exchange protocols!
- Let us cooperate to give the travelers good quality unified travel information

THANK YOU

<http://www.transmodel-cen.eu>