

Using NeTEX and SIRI In Public Transport OPERATIONS

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NeTEx: Scope reminder



Planned data

(any information known in advance)

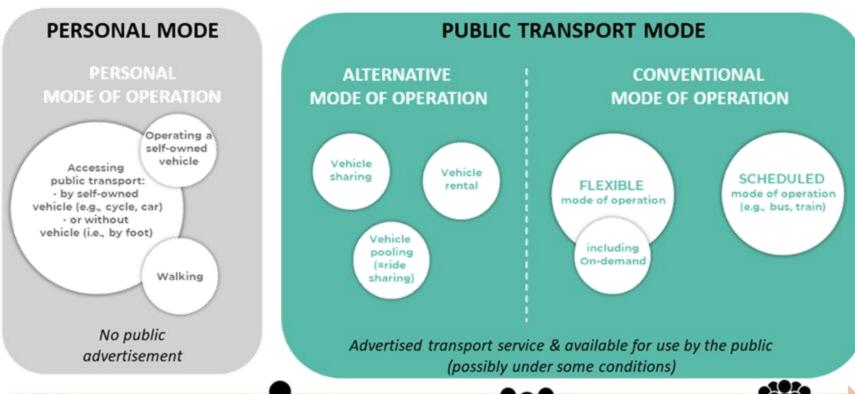


All advertised transport modes and mobility services





NeTEx: Scope reminder



USAGE



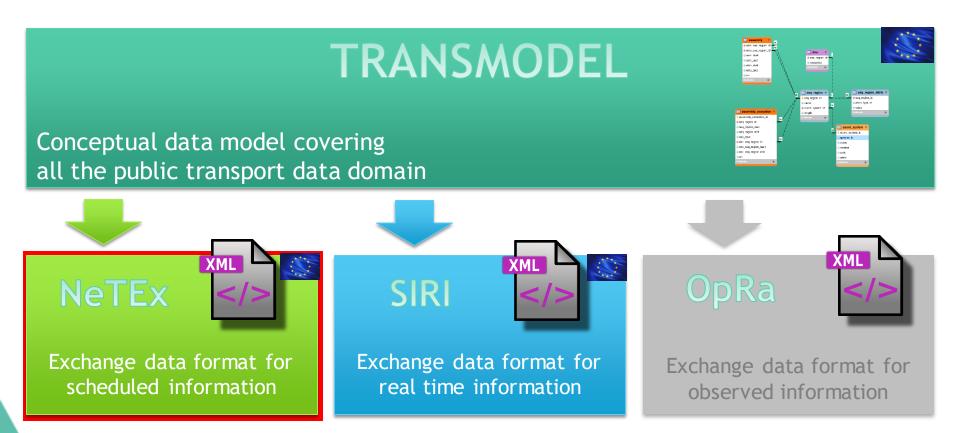








NeTEx: Ecosystem reminder



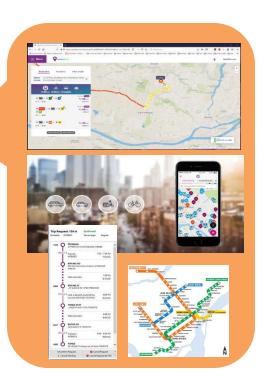


Passsenger information AND operations

NeTEx is not only about Passenger information



Journey planner, displays, app & web sites

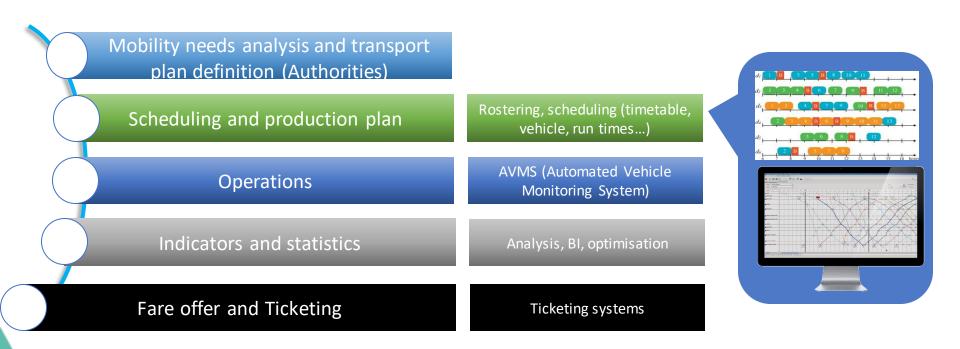






Passsenger information AND operations

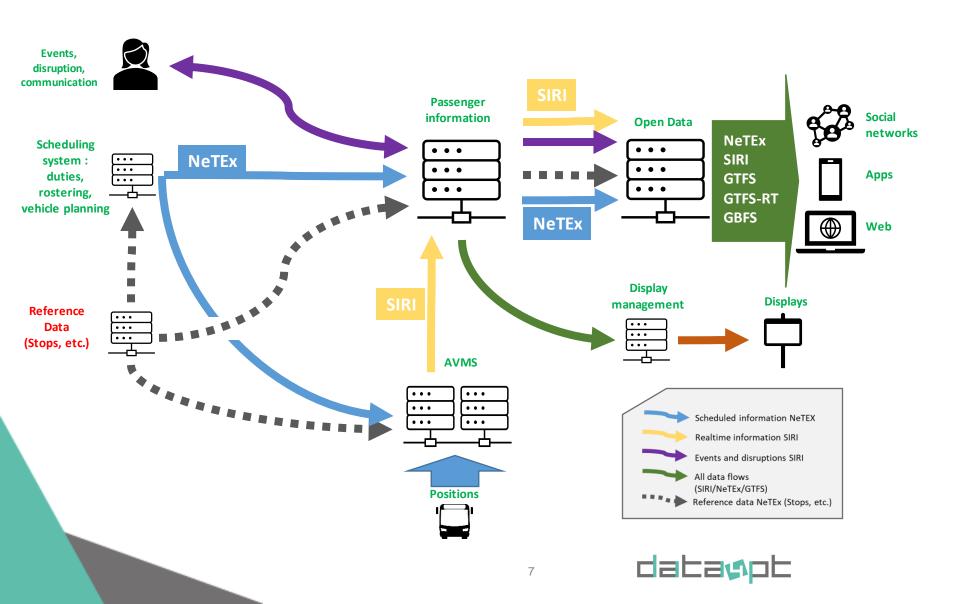
It's also about service's operations







Possible system flow





Possible Additional data flow



Multiple scheduling systems (bus, tram, metro, multiple operators, etc.)



Multiple Automated Vehicle Monitoring System (per mode and operator)



Additional accessibility information (scheduled and real-time)



Additional passenger counting information (estimated and real-time)

Etc.





NeTEx (and SIRI)

- ✓ NeTEx (and SIRI) allow to have a single exchange protocol for all data flows instead of one for each couple of system (which can be A LOT of protocols)
- ✓ You most often lose something in data conversion ...
- ✓ It's important to avoid hacking existing protocol to carry new data... and NeTEx (and SIRI) have the wider coverage you can expect





NeTEx (and SIRI)

- ✓ The exchange protocol <u>shall not be dependent</u> on the providing/consuming system:
- to allow system renewal, and an open choice of the provider
- to strengthen the system against the politics or failure of providing companies





Conclusion

Transmodel (NeTEx, SIRI and more) are not just tools to fulfill the EU regulation.

They help to structure and rationalise the systems involved in mobilityservices!





dataspt

Thank you for your attention!





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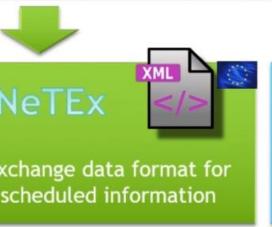


What is SIRI?

TRANSMODEL

nceptual data model covering the public transport data domaine







Real time updates services Discovery Services

