



Rail  Data



AGENDA

❖ Who is Raildata

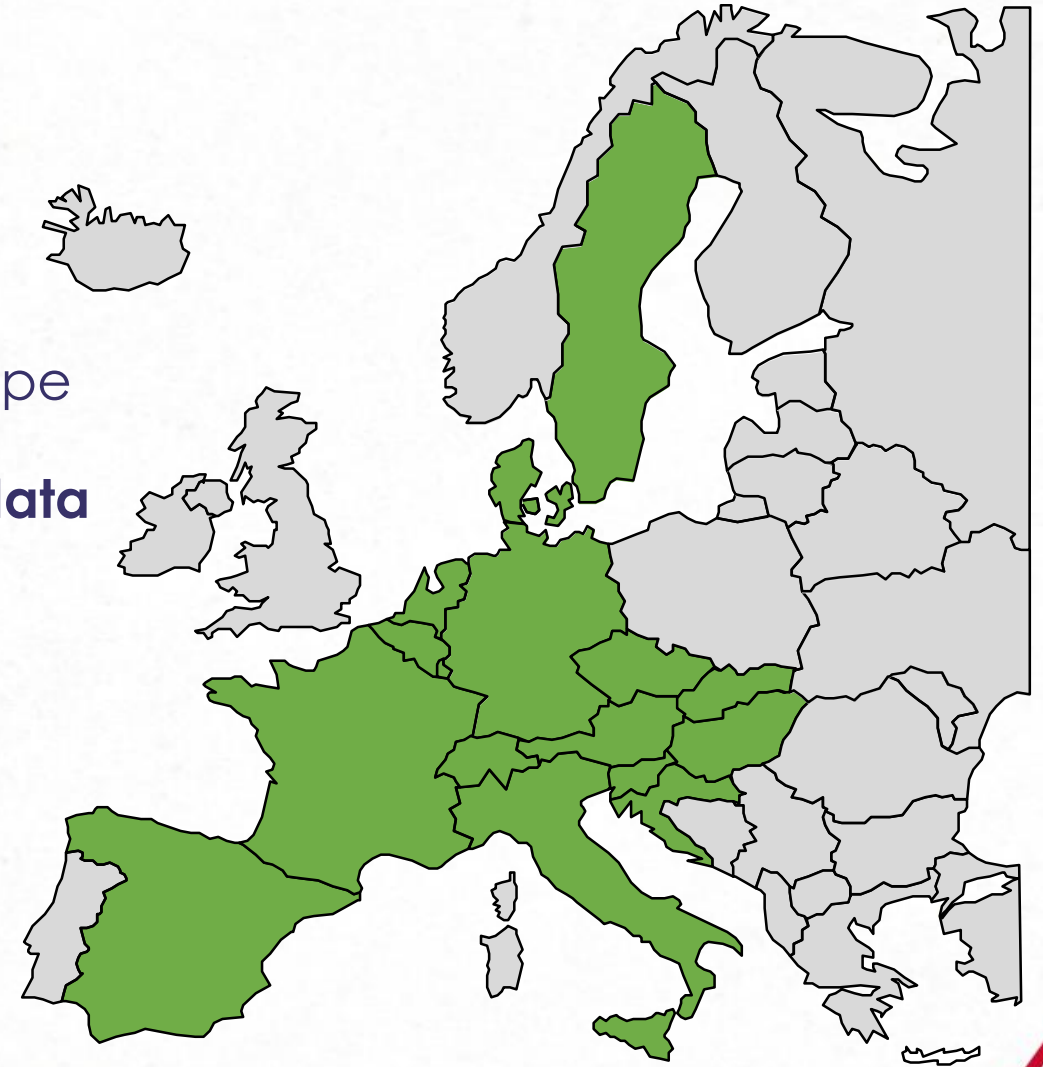
❖ Our applications and services

❖ EurAsia related work



Who is Raildata?

- Special group within UIC since 1995
 - Experts in Rail Freight processes
 - Representing over 70% of yearly ton-km in Europe
- **Our mission : Process optimisation by centralised data exchange**
 - Easy to work together
 - Automated processes => less overhead costs



Our Applications

ORFEUS

Making paper consignment notes obsolete

What?

- Developed under the e-RailFreight project together with UIC, CIT and CER
- Message format and flow for exchanging consignment note information
- Centralised system which handles the logical check and distribution towards all carriers involved
- Online portal where you can print consignment notes

Benefits

- You can automate the data capture and prevent manual work
- No need anymore to print consignment notes, so saving paper costs and environmentally friendly
- You can give your drivers a digital Consignment Note with them

ISR

Event-driven Track and Trace on wagon level

- Based on events from the railways' operational systems and Train Information System from RNE
- Distributed via :
 - Webportal
 - Realtime webservice
 - Messaging
- Data is also used to calculate mileage for each wagon

Train - 49829				
Departure at origine				
IM	0087			
Date	15.05.2017 19:39			
Train	MP Code	MP Name	Event type	Real Time
49829	87 28654	Tourcoing	Departure	15.05.2017 22:41
49829	87 28654	Tourcoing	Arrival	15.05.2017 22:33
49829	87 28600	Lille-Flandres	Run-through	15.05.2017 22:23
49829	87 28618	La Madeleine (Nord)	Run-through	15.05.2017 22:05
49829	87 28643	Don Sainghin	Run-through	15.05.2017 21:47
49829	87 28643	Don Sainghin	Run-through	15.05.2017 21:47
49829	87 34502	Lens	Run-through	15.05.2017 21:34
49829	87 24176	Triangle-d'Ostricourt	Run-through	15.05.2017 21:23
49829	87 34520	Pont-de-la-Deule	Run-through	15.05.2017 21:16
49829	87 34500	Douai	Run-through	15.05.2017 21:13
49829	87 34500	Douai	Run-through	15.05.2017 21:12
49829	87 34531	Somain	Run-through	15.05.2017 20:57
49829	87 29624	Busigny	Run-through	15.05.2017 20:17
49829	87 29629	Fresnoy-le-Grand	Run-through	15.05.2017 20:11
49829	87 29633	Essigny-le-Petit	Run-through	15.05.2017 20:06
49829	87 29600	St-Quentin	Run-through	15.05.2017 19:56

CoReDa

- Database which keeps track of the commercial responsibility over a wagon
- Input via a user interface or via messaging
- Developed for and together with the UIC Wagon User Group

ATTI

- Centralized Quality management system on a European scale
- Increasing the safety and reliability of railway transports
- Developed for UIC

TAF TSI

- TAF TSI is the European Directive which aims to harmonise the communication between RU's and IM's
- ISR and Orfeus are currently under-going the process of receiving Soft Compliance against TAF TSI
 - This reduces the implementation costs for our users significantly

ISR	TAF TSI	Description
Create Transport Dossier		subset of consignment note data coming from ORFEUS
Transport Created		reduced consignment note data set sent by enlarged WSM
Left Origin	Wagon Departure Notice Message	first departure of a wagon for a transport (loaded or empty)
Arrival	Wagon Yard Arrival Message	(intermediate) arrival in a handling yard
Departure	Wagon Yard Departure Message	(intermediate) departure in a handling yard
Reached Destination	Wagon Arrival Notice Message	last arrival of a wagon for a transport
Border Crossing Advice	Wagon Interchange Notice Message	train left last station before border crossing
Border Crossing Exit / Entry	Wagon Received At Interchange Message	wagon handed over / taken over to /from carrier
Wagon Broken	Wagon Exception Message	transportation interrupted
Wagon Repaired		continuation of transport
Ready To Pull	Wagon Release Notice Message	wagon loaded at customer
Pulled		wagon pulled from customer
Passed Through		wagon in train has run though a station
Wagon Refused	Wagon Refused At Interchange Message	take over from previous carrier refused
Delivered	Wagon Delivery Notice Message	to customer
Free For Disposition		unloaded, waiting for task

EurAsia related work

CIM/SMGS

- Together with OSŽD, a joint data catalogue was created to align CIM and SMGS (2015-2016)
- **Potential for the future** : Electronic data exchange which is compliant with CIM and SMGS

Tracking and Tracing

- Discussions ongoing with several parties
- Main problems are :
 - How to deal with transshipment
 - Different data requirements (fe. Wagon number)

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THANK YOU