

RSRD² Rolling Stock Reference Database

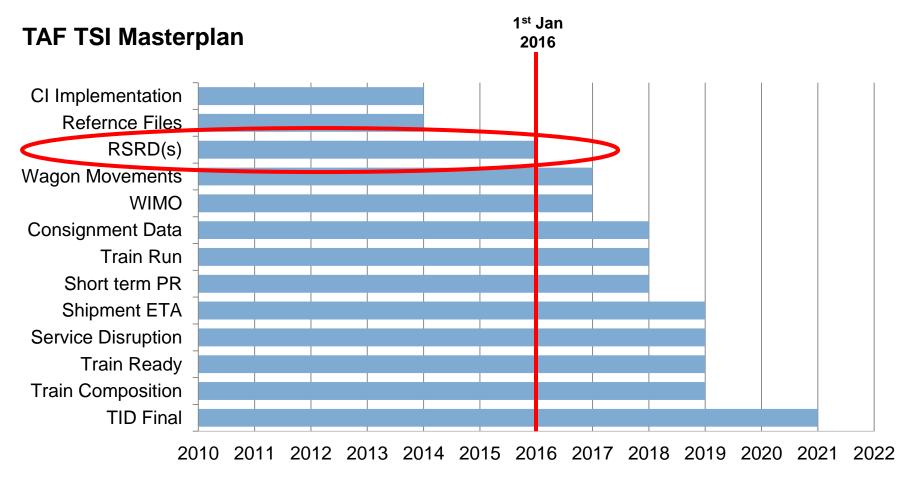
EUAR approved tool to fulfil TAF TSI RSRD requirements

Bucharest, 7th March 2018

All European keepers must provide rolling stock reference data (RSRD) in s standardised format since 1st January 2016



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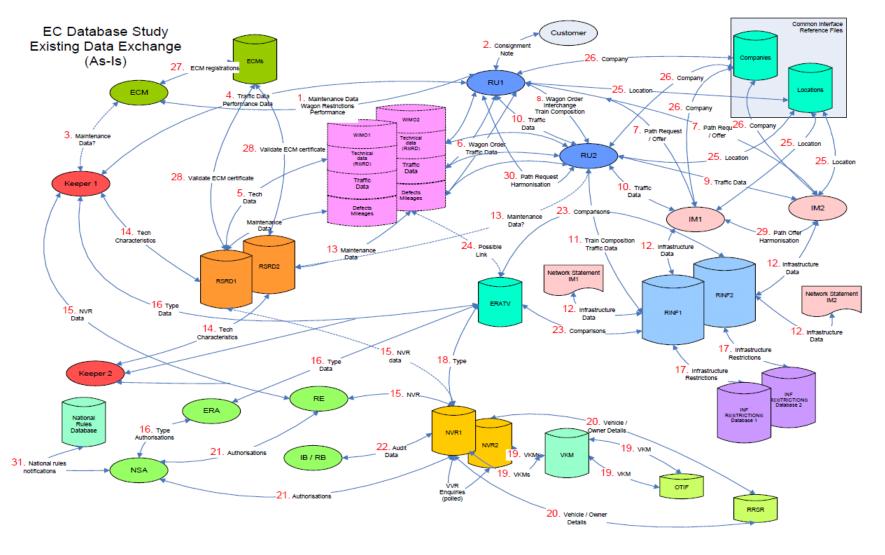


EUAR in collaboration with NCPs (National Contact Points) and JSG (Joint Sector Group) are monitoring the implementation of all TAF functions biannually

The data exchange within the rail sector is quite complex and would be further aggravated by numerous RSRDs

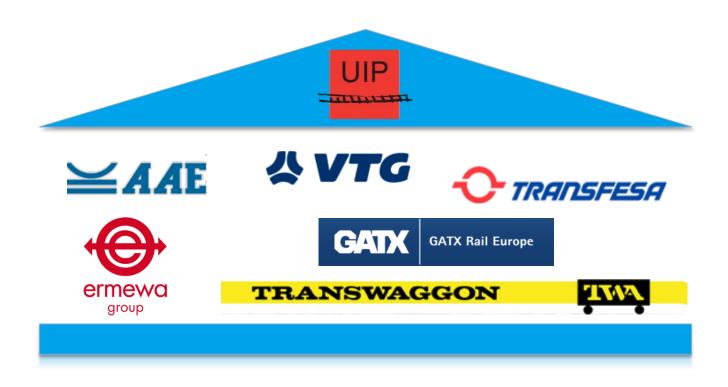


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The wagon keepers started an initiative to establish a central data cloud (RSRD²)





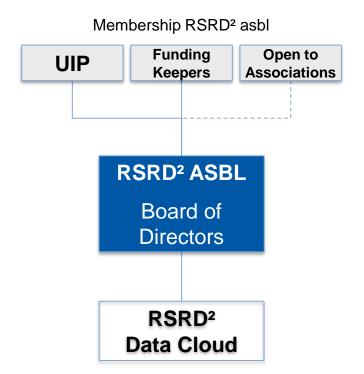
Benefits: share of costs, economies of scale, common standard, central data access, central collection of mileage data

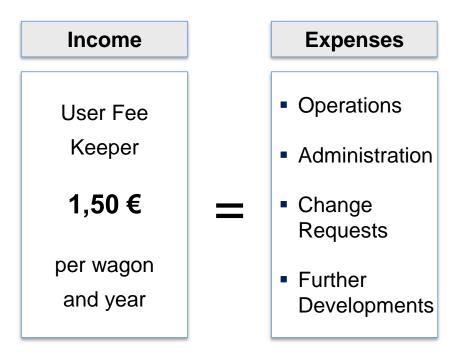
The data cloud RSRD² is a non profit organisation and access is free of charge



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RSRD² asbl Business Model





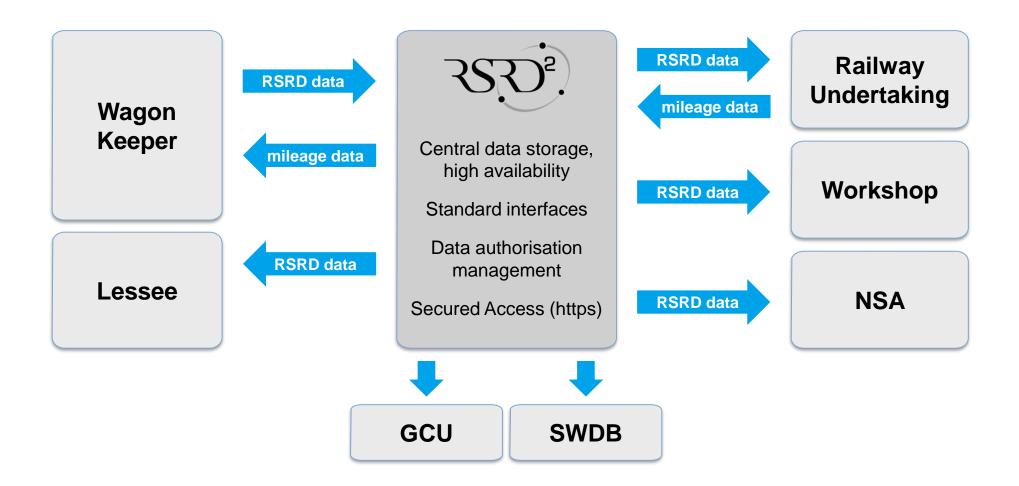
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RSRD² serves as master for rolling stock reference data and feeds other sector databases



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RSRD² Work Flow



The RSRD² data catalogue includes all necessary wagon information required for train preparation and operation

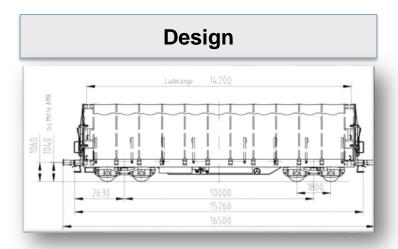


RSRD² Wagon Data

Registration/Authorisation



- Registration data
- Authorisation data
- ECM data (incl. certificate)
- ...



- Load Tables
- Brake information (incl. silent brakes)
- Maintenance dates
- ...

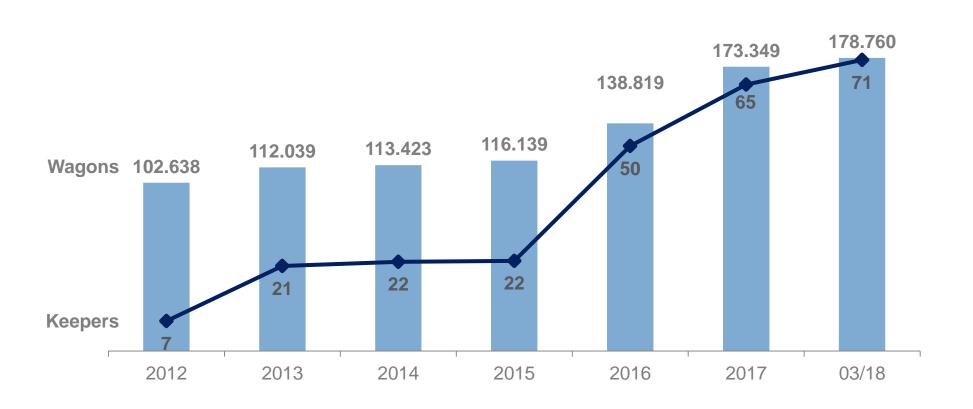
The data catalogue comprises about 130 elements

In the meantime about 180k wagons from more than 70 keepers are registered in RSRD²



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Development wagons and keepers in RSRD²



The range of users is manifold and continuously growing, in February 2018 more than 400,000 queries were send to RSRD²



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Examples RSRD² User







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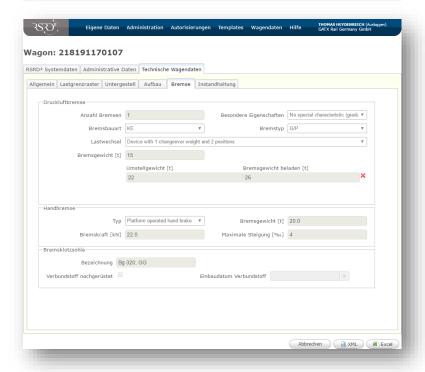
RSRD² allows data access via web portal (www.rsrd2.com) or via system interface



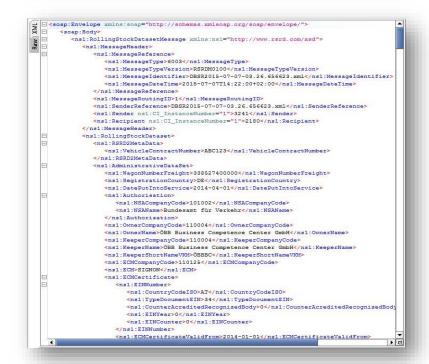
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RSRD² Access Points

Web Portal (GUI)



System Interface (web service/ftp)



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RSRD² and the keepers make great efforts to assure a high data quality in the system



Data Quality Efforts

EDI



More than 95% of recorded wagons in RSRD² are uploaded via system interface

Daily Updates



Keepers with system interface mostly update wagon data daily

Immediate Corrections



Reported safety critical failures must be corrected within 1 working day

Data Validations



A multitude of data validations are performed during upload in RSRD²

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Join the group of users... and take advantage of the benefits of RSRD²!



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Benefits



- Fully complies with TAF TSI requirements
- No additional cost, e.g. licence fees for Common Interface
- Data input and queries manually via GUI or automatically via system interface
- Reporting about TAF implementation status to EUAR by RSRD²
- Just 1,50 € per wagon and year
- High standardisation and automation level
- Flexible data authorisation management by keepers
- Automatic GCU and SWDB update
- Collection of mileage data from RUs for keepers

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