

TIS & Terminals

Mission and vision of TIS

The **mission** is to transform railway business cases into technology through RNE Train Information System (TIS)

The user interface is free of charge for the whole railway sector (IM, RU, Terminals and other stake holders) tis.rne.eu

Facts and Figures:

- 10.000 trains per day
- 600 Railway Companies
- 2-3 Millions TAF/TAP messages per day
- Real time data exchange between 70 rail companies
- More than 3.000 regular users

The **vision** is to promote RNE Train Information System (TIS), as the single point of reference for all international European freight and passenger trains



RNE Train Information System (TIS)

The Train Information System (TIS)

- Monitors international and national trains from origin to destination
- Information source for international performance reports and quality analysis
- Standardises the exchange of data between different players based on TAF/TAP TSI framework
- Supports railway companies in tracking trains from original departure to final destination
- Identification of problems due to different national processes (for international trains) - triggers appropriate corrective actions

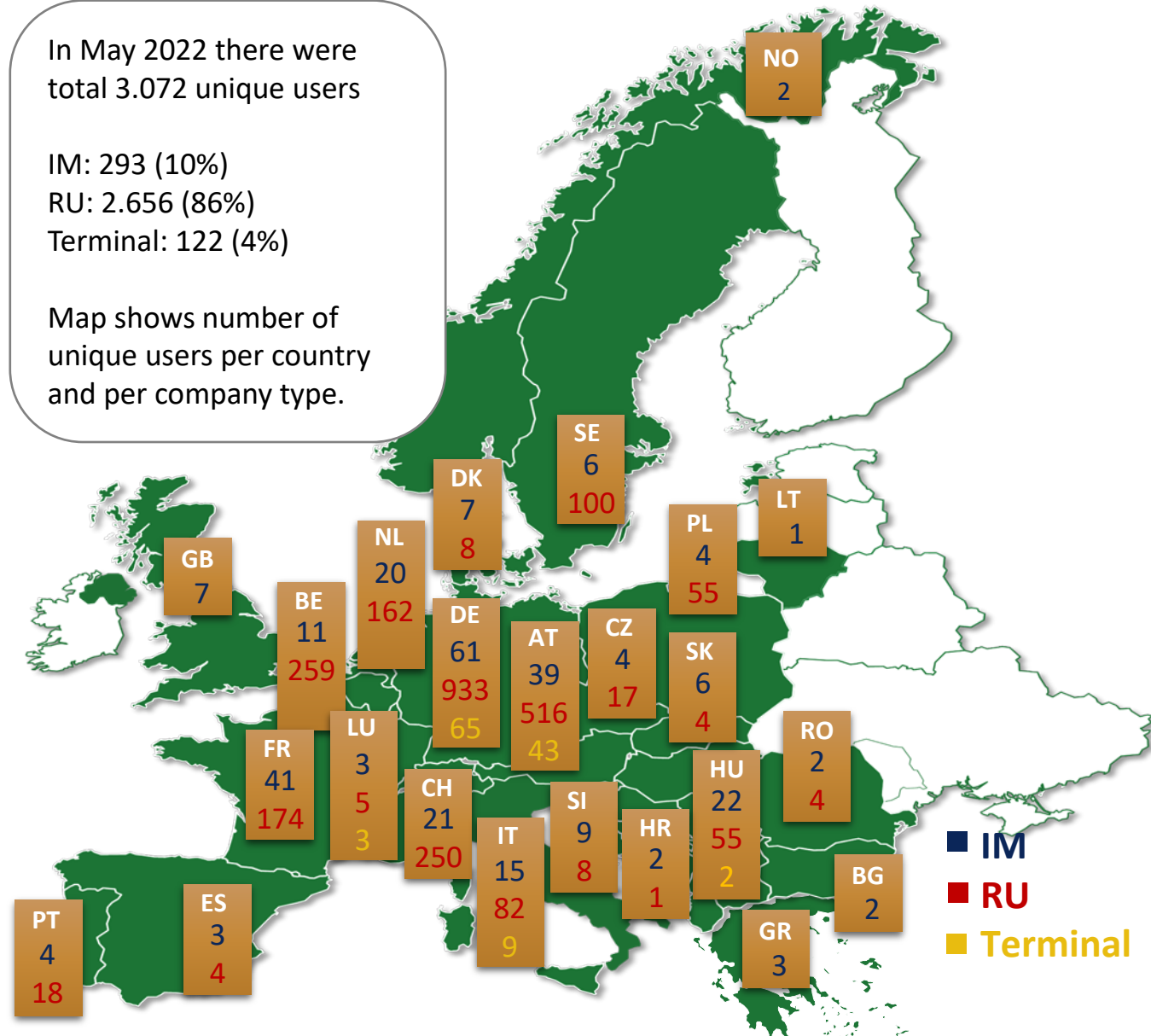
In May 2022 there were total 3.072 unique users

IM: 293 (10%)

RU: 2.656 (86%)

Terminal: 122 (4%)

Map shows number of unique users per country and per company type.



Terminals connection to the RNE TIS

Why the Terminals data connection is important



Vital part of the supply chain

First/Last mile for rail services

Interface of transport modes along logistical chains

Facilitates the cooperation with Combined Transport Operators (CTOs)

Helps to improve efficiency of resources

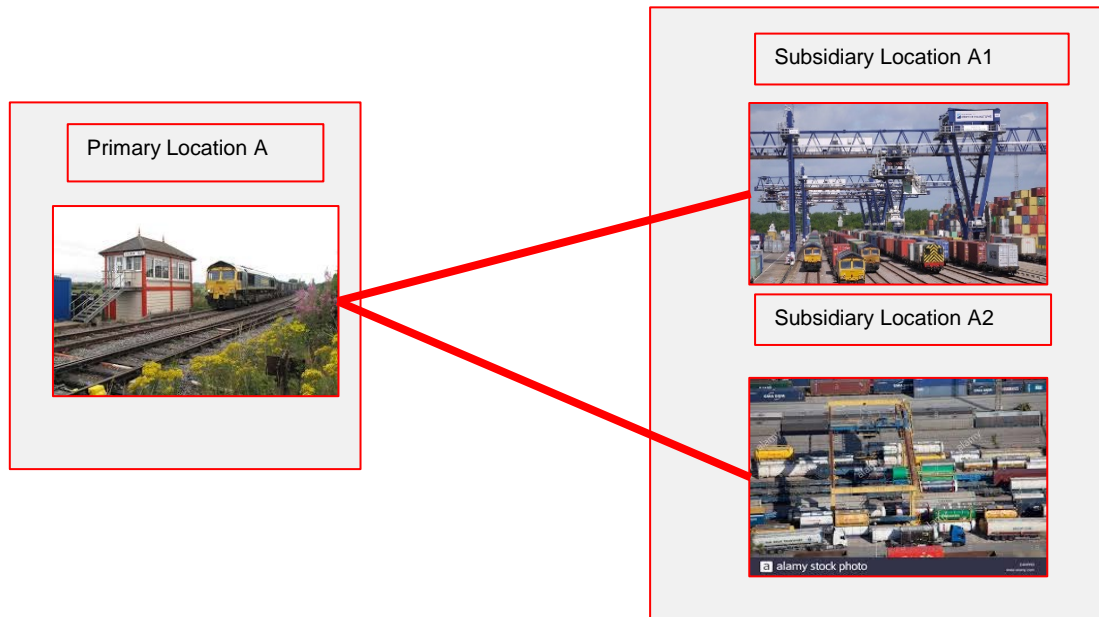
Contributes to a greener Europe

Reduces congestions

Integration of the Terminals into RNE reference files

Technical Agreement

- Terminals will be defined as Subsidiary Locations
- Terminals are linked to the last operating point on the IM network
- Information from the Terminals can be processed and displayed in TIS
- Information can be distributed to the railway sector

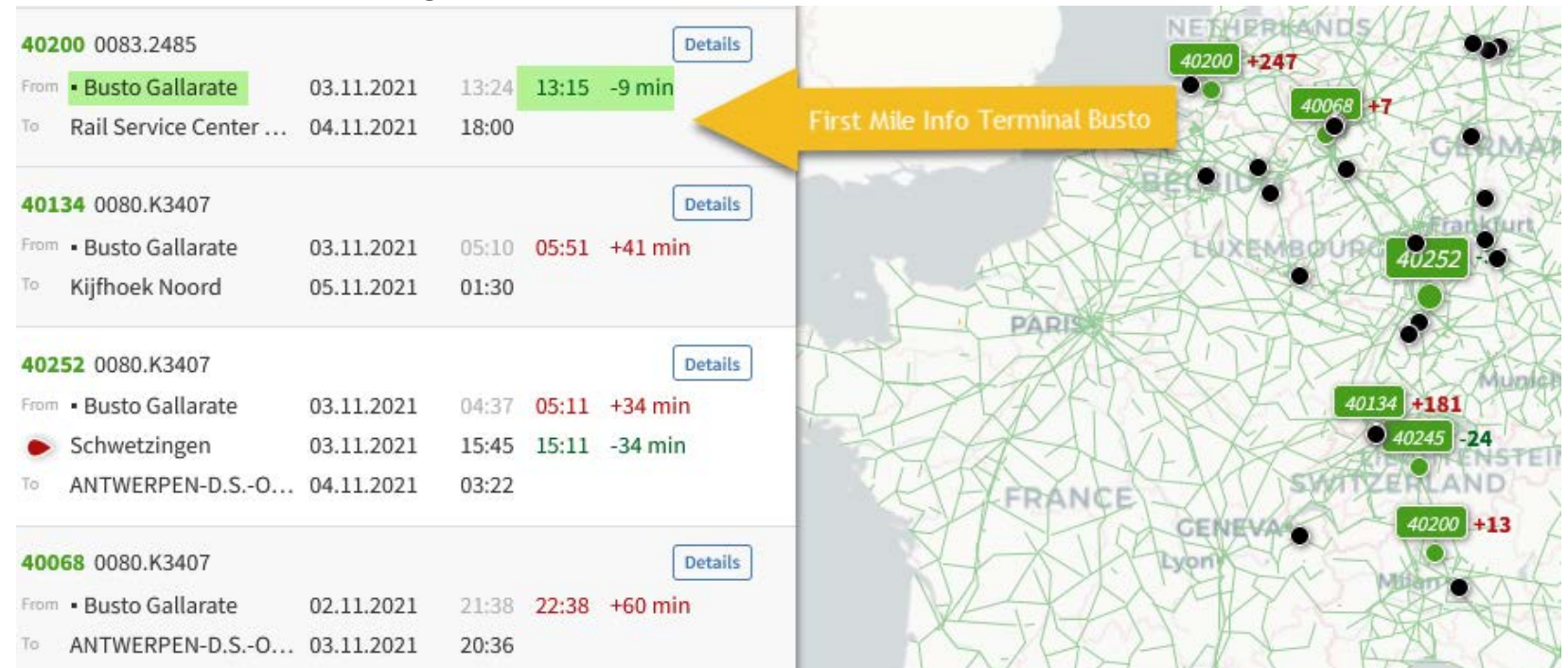


- Primary Location code by IM
- Subsidiary Location code based on UIRR terminal code with code 57 for terminal as a type in the Subsidiary Location code.

Integration of the Terminals – Next Steps

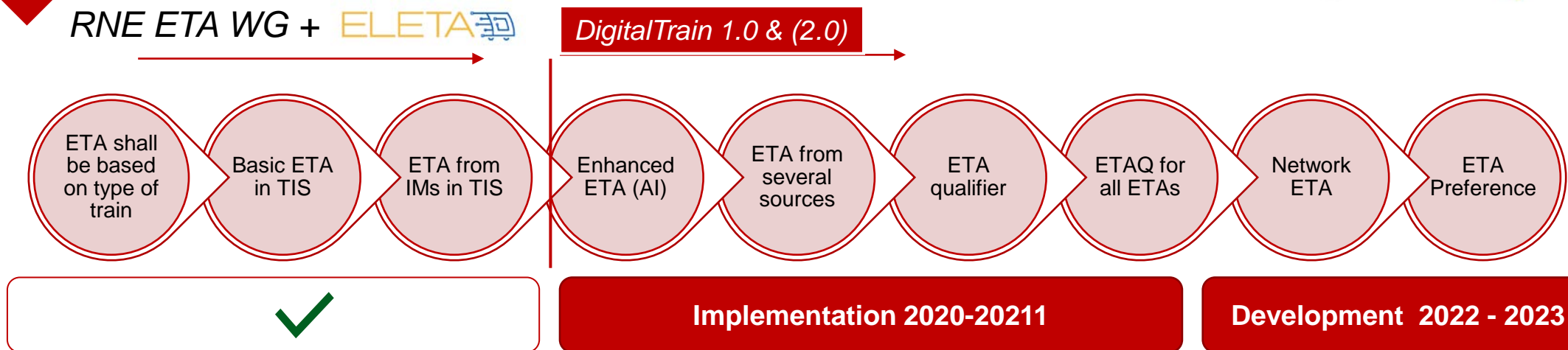
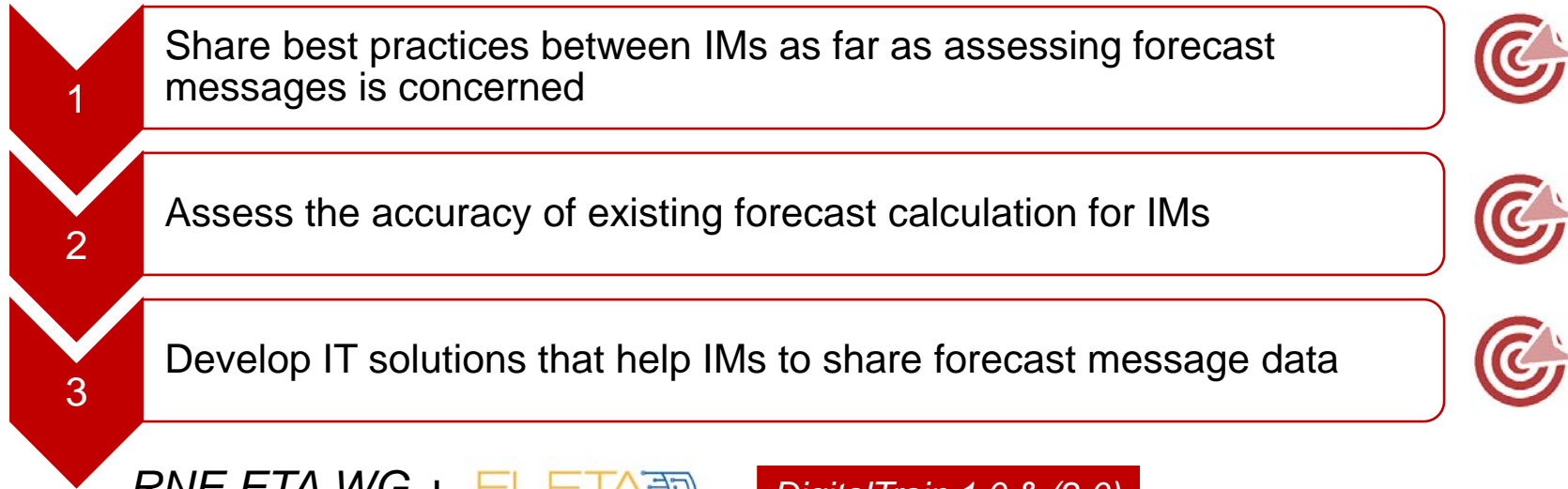
Next Steps

- Include more terminals into TIS
- Already in the pipeline
 - Corridor 2 - North Sea – Mediterranean (Amsterdam – Marseille)
 - Bettembourg (Luxembourg)
- Share the first and last mile information with cooperating companies
- Additional optimizations in TIS








ETA Programme – Digital Train projects 1.0 & (2.0)

Processing and improving ETA information



Best ETAs in new TIS UI



 Trains  Diagrams  Configuration  Incident Management

Help admin

TAB →

Train InfoTrain StatisticsIncident InformationForecasts

International Train Number
49299
Train Identifier

Actual Location
Forbach - Bât Voyageurs

Delta
Actual Location Status

From
Forbach - Bât Voyageurs

To
Perpignan - E/S Faisceau

03.04.2020 20:55

04.04.2020 10:21

National Train Numbers
49299

Last Update
03.04.2020 17:12

Train Type
Freight

	Planned				Actual							
Location	Status	Date	Time		Status	Date	Time	Delta	Delay Reason	OTN	Infrastructure Manager	Railway Undertaking
Forbach - Bât Voyageurs	↗	03.04.2020	20:55		03.04.2020	20:55		+0 min		49299	SNCF Réseau	Euro Cargo Rail
Béning - Bât Voyageurs	→	03.04.2020	21:02		03.04.2020	21:02		+0 min		49299	SNCF Réseau	Euro Cargo Rail
Béning - Acc OE Faisceau	→	03.04.2020	21:02		03.04.2020	21:02		+0 min		49299	SNCF Réseau	Euro Cargo Rail
Béning - Acc E Faisceau	→	03.04.2020	21:02		03.04.2020	21:02		+0 min		49299	SNCF Réseau	Euro Cargo Rail
St-Avold	→	03.04.2020	21:10		03.04.2020	21:10		+0 min		49299	SNCF Réseau	Euro Cargo Rail
Faulquemont - Bât Voyageurs	→	03.04.2020	21:17		03.04.2020	21:17		+0 min		49299	SNCF Réseau	Euro Cargo Rail
Herny - Rac côté Herny	→	03.04.2020	21:24		03.04.2020	21:24		+0 min		49299	SNCF Réseau	Euro Cargo Rail
Rémilly - Bât Voyageurs	→	03.04.2020	21:28		03.04.2020	21:28		+0 min		49299	SNCF Réseau	Euro Cargo Rail
Courcelles-sur-Nied	→	03.04.2020	21:33		03.04.2020	21:33		+0 min		49299	SNCF Réseau	Euro Cargo Rail
Peltre - Bât Voyageurs	→	03.04.2020	21:38		03.04.2020	21:38		+0 min		49299	SNCF Réseau	Euro Cargo Rail
Metz-Sablon - Jonct V2/V2R	→	03.04.2020	21:42		03.04.2020	21:42		+0 min		49299	SNCF Réseau	Euro Cargo Rail
Metz-Sablon - Faisceau	↘	03.04.2020	21:44		03.04.2020	21:44		+0 min		49299	SNCF Réseau	Euro Cargo Rail
Metz-Sablon - Faisceau	↗	03.04.2020	21:47		03.04.2020	21:47		+0 min		49299	SNCF Réseau	Euro Cargo Rail
Metz-Sablon - Bif L3/L11	→	03.04.2020	21:49		03.04.2020	21:49		+0 min		49299	SNCF Réseau	Euro Cargo Rail

Forecast

StatusDateTimeDelta

Best ETA

Best ETA

Best ETA

Best ETA

Best ETA

Thank you

