



ETA Program –

Brussels – November 2019

TIS Train Statistics – September 2019

In September 2019 there were total **487.595** unique train runs

International: 237.967 (**49%**)

- Freight: 83.134 (**17%**)
- Passenger: 143.275 (**29%**)
- Other: 11.558 (**2%**)

National*: 249.628 (**51%**)

- Freight: 161.511 (**33%**)
- Passenger: 38.317 (**8%**)
- Other: 49.800 (**10%**)

Map shows percentage of train runs sent to TIS per country



*Due to unlinked trains, a train flagged in TIS as national could be part of an international train run.

TIS Company Statistics – September 2019

In September 2019 there were total **929** companies involved*

Map shows number of companies involved per country



*IMs are excluded from the figure.

TIS User Statistics – September 2019

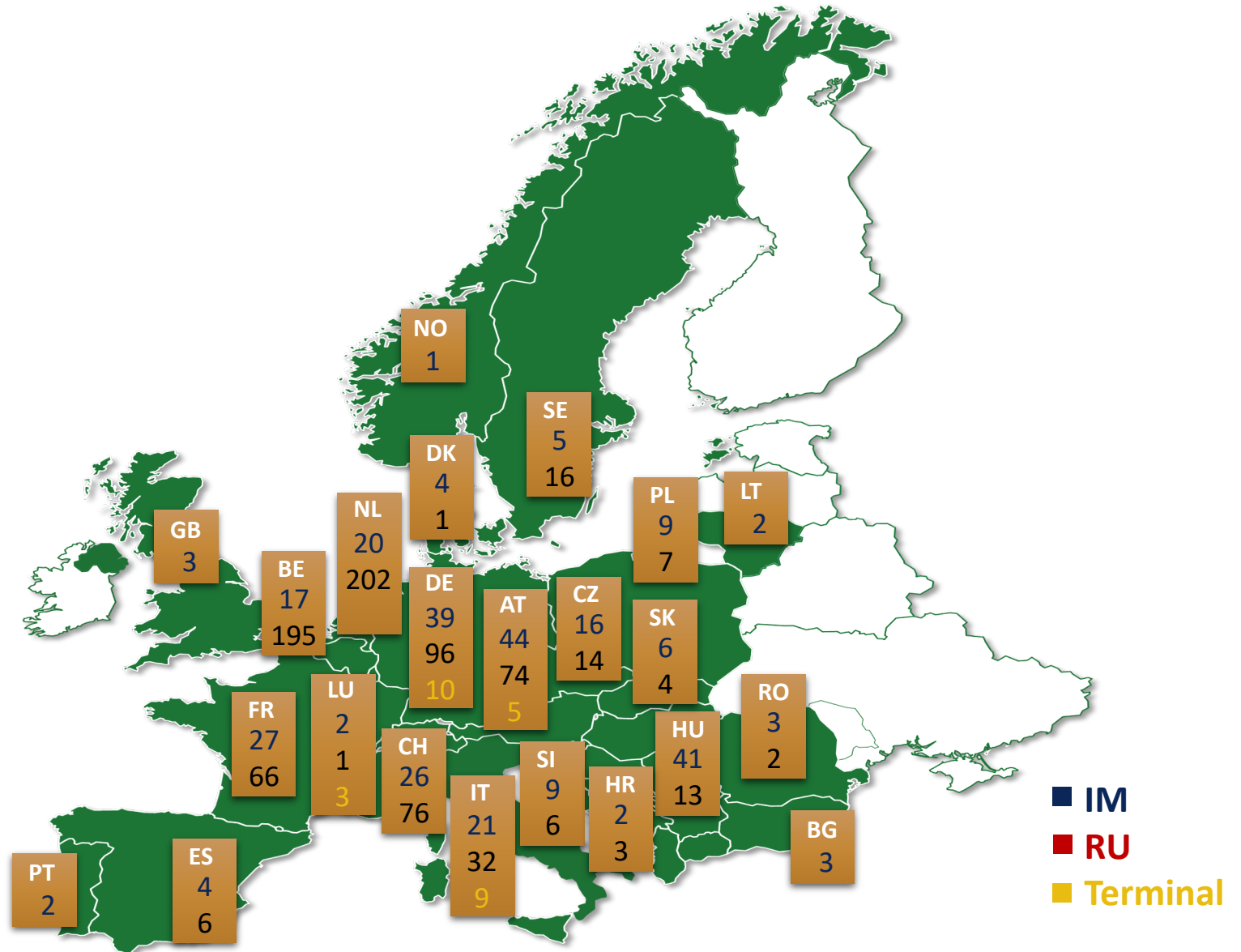
In September 2019 there were total **1.147** unique users

IM: 306 (**27%**)

RU: 814 (**71%**)

Terminal: 27 (**2%**)

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



TIS Functionalities Usage Statistics – September 2019

In September 2019 there were total **593.240** requests on different TIS Functionalities

Top 3 most used functionalities (73%):

- Train Info Page: 316.771 (**53%**)
- Train Search: 84.311 (**14%**)
- Network Overview: 36.636 (**6%**)

Map shows percentage* of requests on top 3 most used functionalities per country

*Figures are rounded to one decimal.



What is the current status?

No guaranteed access to information

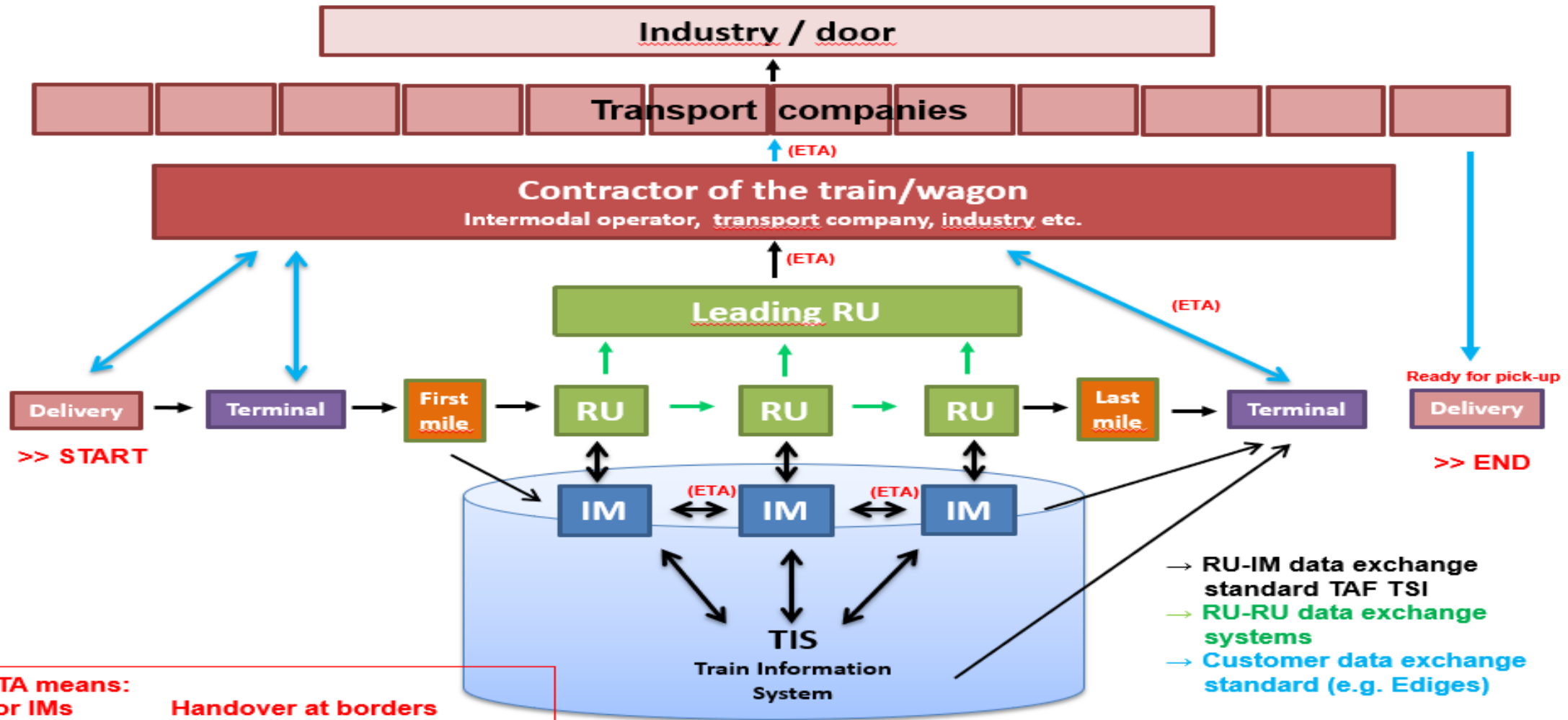
- The partners involved in a train run do not have guaranteed access to train (wagon) tracking and forecast information
- Contractual agreement between all involved partners are required (high administrative burden, legal uncertainty)
- No standardised technical interfaces between all partners

Low quality of information

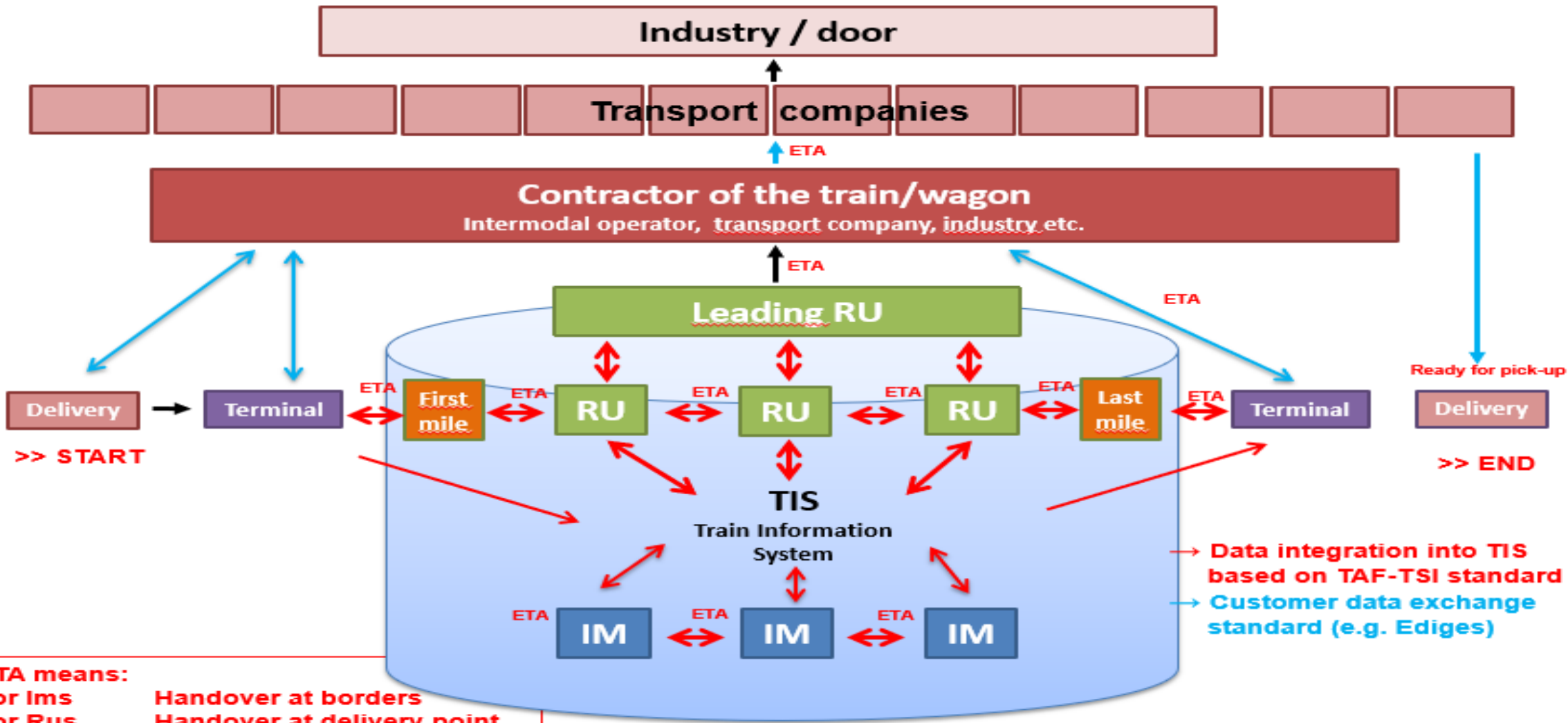
- Forecast information does not involve all partners
- Forecast information is often just based on a time-shifting
- Quality of data and calculation algorithm is poor
- Forecast information from previous partner is not considered by the next IM
- Some international trains are not linked always (estimated above 25%)

1. IMs provide ETA data based on simple time shifting.
2. RUs do not feed data into TIS.
3. Data sharing is fragmented and non-standardised.
4. Some RUs do not disclose tracking data with other RUs and the contractor of the train.
5. The contractors of the train/wagon do not have access to TIS. Only terminals have (based on voluntary contracts).
6. TAF-TSI defines data exchange between RUs, IMs and wagon keepers. Terminals and Contractors of the train are excluded.
7. TIS uses a reference number linked to a path; link to train gets lost in case of rescheduling.
Project “Train Identifier”: 2021

Situation TODAY



Situation TOMORROW








ETA means:

For Ims	Handover at borders
For Rus	Handover at delivery point
For terminal	Arrival of train
For logistics	Ready for pick-up

TIS-2020 Configuration Page Message Broker


Edit Outbound Interface

Name *	<input type="text" value="3178_2180"/>	
Recipient *	<input type="text" value="0080.Z1451 DB Cargo AG"/> 	
Enabled	<input type="checkbox"/> No	
Valid from *	<input type="text" value="12.07.2019 11:51"/>  	
Valid until *	<input type="text" value="31.12.2099 21:59"/>  	
Queue Name *	outbound.target.	<input type="text" value="test"/>
Send Past Messages *	<input checked="" type="checkbox"/> Yes	
Add Information from TIS *	<input checked="" type="checkbox"/> Yes	

Message Type


<input checked="" type="checkbox"/> Path Details	Version	<input type="text" value="2.1.6"/>	
<input checked="" type="checkbox"/> Train Running Information	Version	<input type="text" value="5.3.0"/>	Add RailDataAddon <input type="checkbox"/> No
<input checked="" type="checkbox"/> Train Running Forecast	Version	<input type="text" value="5.3.0"/>	
<input checked="" type="checkbox"/> Path Section Notification	Version	<input type="text" value="2.1.3"/>	
<input checked="" type="checkbox"/> Train Composition (subset)	Version	<input type="text" value="2.1.6"/>	
<input checked="" type="checkbox"/> Train Delay Cause	Version	<input type="text" value="5.3.0"/>	
<input checked="" type="checkbox"/> Train Interruption	Version	<input type="text" value="5.3.0"/>	

IM Locations

Locations


Train Numbers

Companies

Involved in Train Run

In Message

Questions