

# SIGIS

[www.RailWagonLocation.com](http://www.RailWagonLocation.com)

## Comprehensive Real Time Rail Freight Tracking without GPS

Eurasian corridors stakeholder group  
Paris, November 22, 2017

SIGIS SIA, Latvia, Riga  
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# WHAT INFORMATION DO FORWARDERS AND THEIR CLIENTS NEED ?



**Notifications about operations**

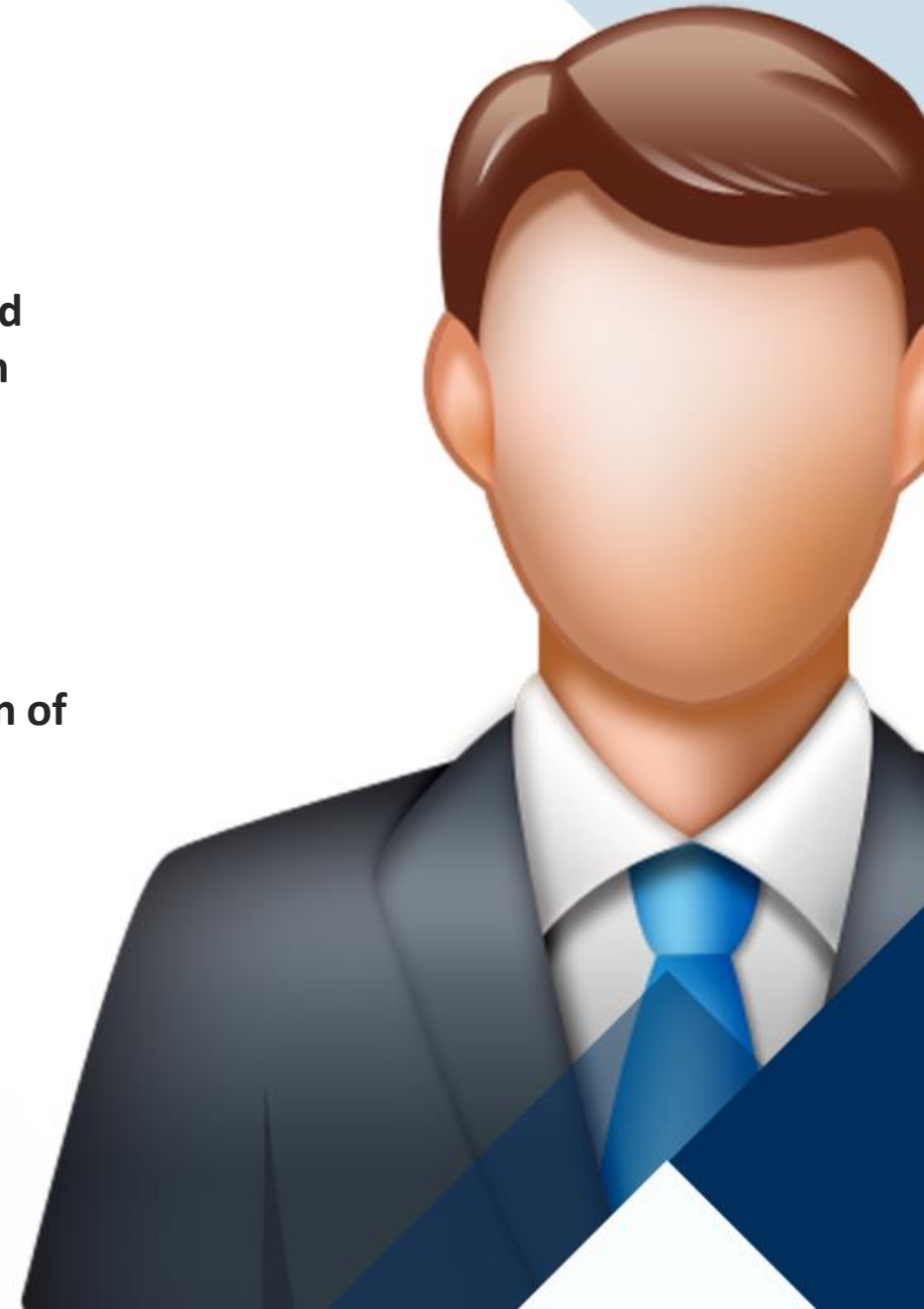


**Information about crossing borders and trans-shipping at borders, about parked or stand still days**



**Station approach & uploading and ETA**

- ◆ **Professional reports and summaries preparation**
- ◆ **Data export to other IT systems all under high security demands**
- ◆ **Automatic transmission of location data to clients**
- ◆ **Integrated freight rate calculations**



**QUALITY OF  
INFORMATION SUPPORT**

**Reliability**

**Timeliness**

**SIGIS**







**Operational  
decision-making on  
route or border crossings  
point**

# INFORMATION SUPPORT FROM SIGIS

Location of wagons and containers, time and place of the last operation (freight, route and so on)

Estimated Time of Arrival (ETA)

## Geography of tracking - 18 countries:

	Azerbaijan		Kyrgyzstan		Mongolia		Uzbekistan		China
	Belarus		Latvia		Russia		Ukraine		Iran
	Georgia		Lithuania		Tajikistan		Finland		
	Kazakhstan		Moldova		Turkmenistan		Estonia		

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# SERVICED REGIONS

- Tracing by wagon's and container's number
- Tracing by wagon's number
- Tracing by wagon's number and partly by container's number



Monitoring

- Add for monitoring
  - Add from Excel
  - Queue for monitoring
- My wagons
- My groups
  - Change groups for several wagons
  - Change groups by wagon list
- Reports
  - Approaches
  - Upcoming to stations
  - Auto take-off wagons timetable
  - Notifications
  - Mallings on all wagons

- Wagon's technical certificate (inquiry 2651)
- Wagon mileage (inquiry 2612)
- Fulfilled repairs of wagon (inquiry 2653)
- Calls to stations

For the particular day:

21.09.2017

1	2	3	4	5		
6	7	8	9	10	11	
12	13	14	15	16	17	18

Filtered in total: 2335 pcs. Wagon/container search: In Archive: Download in English

Wagon number	Station	Location of last operation	ETA	Operation	Distance till the station of destination, km	
12345678	Novoyaroslavskaya, SEV	Vyborg, OKT	Yaroslavl-Glavniy, SEV	22.03.2017, 17:41	Adjustment of wagon data	951
12345678	Novoyaroslavskaya, SEV	Komsomolsk-Murmanskiy, OKT	Yaroslavl-Glavniy, SEV	22.03.2017, 17:41	Adjustment of wagon data	1733
12345678	Novoyaroslavskaya, SEV	Kostomuksha-Tovarnaya, OKT	Yaroslavl-Glavniy, SEV	22.03.2017, 17:41	Adjustment of wagon data	1460
12345678	Novoyaroslavskaya, SEV	Rybkiino, SEV	Yaroslavl-Glavniy, SEV	22.03.2017, 17:41	Adjustment of wagon data	222
12345678	Novoyaroslavskaya, SEV	Apatity, OKT	Yaroslavl-Glavniy, SEV	22.03.2017, 17:41	Adjustment of wagon data	1548
12345678	Novoyaroslavskaya, SEV	Apatity, OKT	Yaroslavl-Glavniy, SEV	22.03.2017, 17:41	Adjustment of wagon data	1548
12345678	Novoyaroslavskaya, SEV	Rybkiino, SEV	Yaroslavl-Glavniy, SEV	22.03.2017, 17:41	Adjustment of wagon data	951
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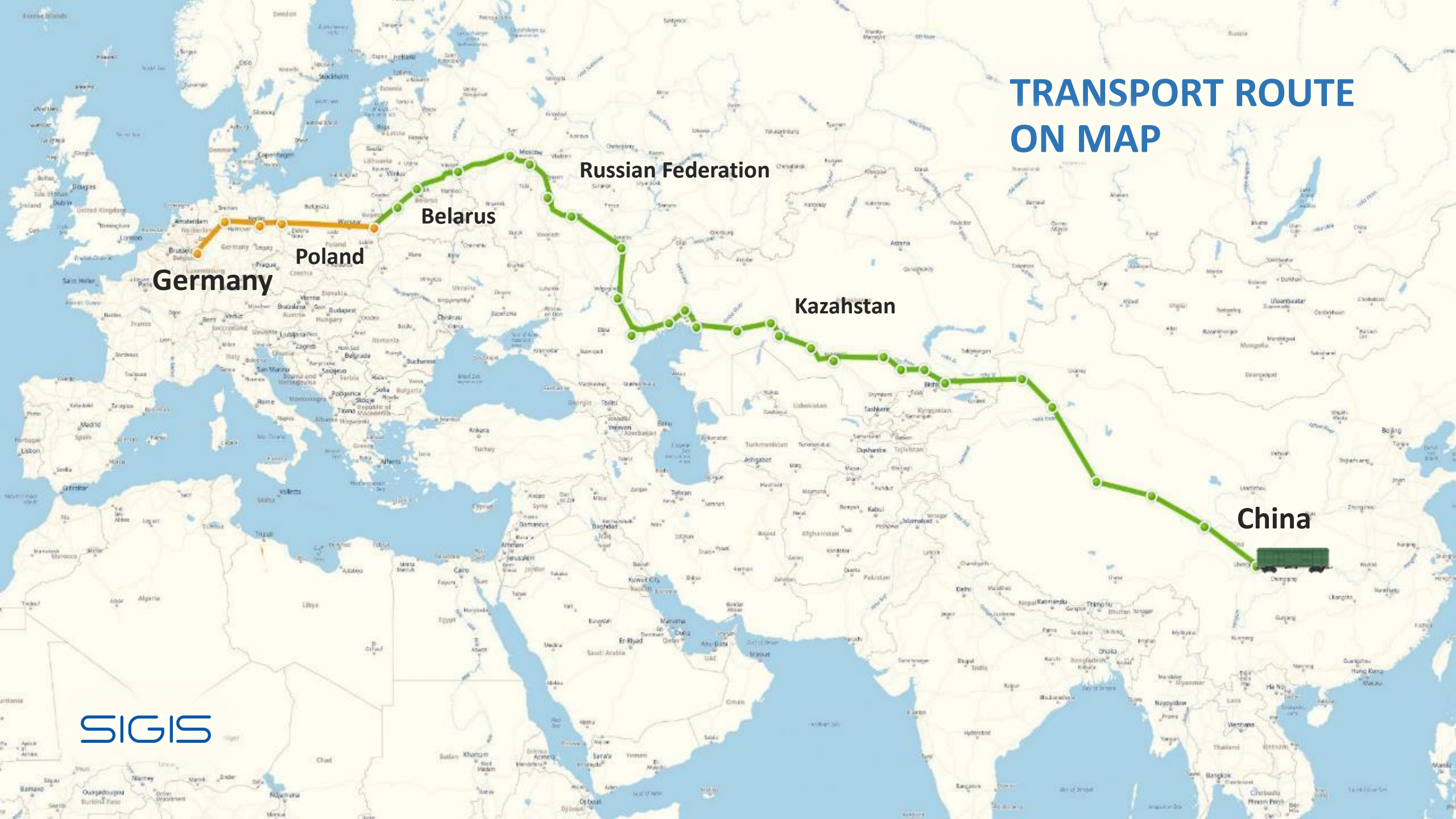
CROSS BORDERS

ETA

LOCATION

OPERATIONS

# TRANSPORT ROUTE ON MAP



Russian Federation

Belarus

Poland

Germany

Kazakhstan

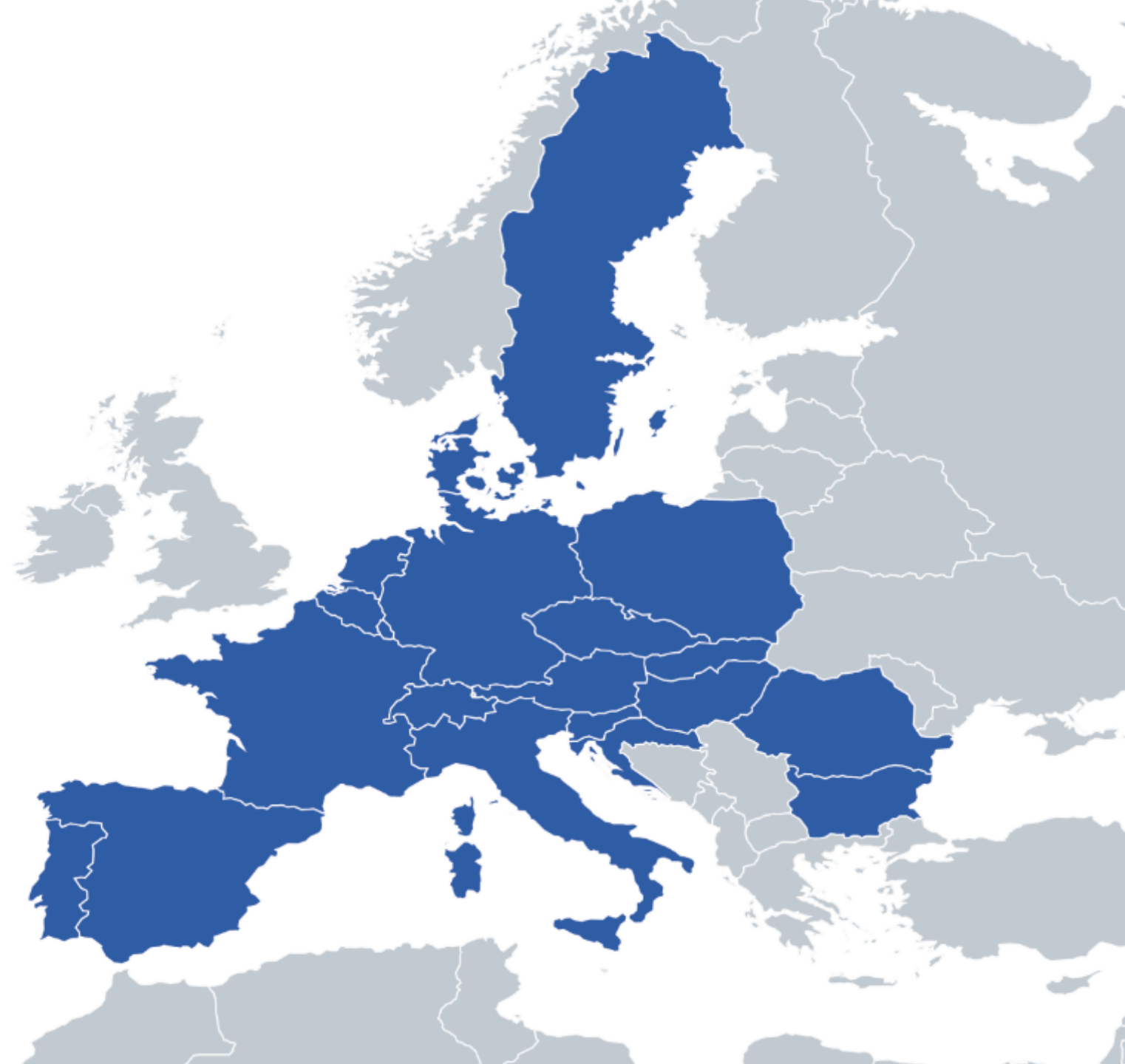
China

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# INFORMATION SUPPORT IN EUROPE

Examples of existing activities:

- ◆ Each individual European railway detects location data of wagons and containers only on its territory
- ◆ For example DB Cargo has location data of the wagons and trains in Germany, for their clients only
- ◆ **RailNetEurope (RNE)**'s Train Information System (TIS) operates on Western Europe



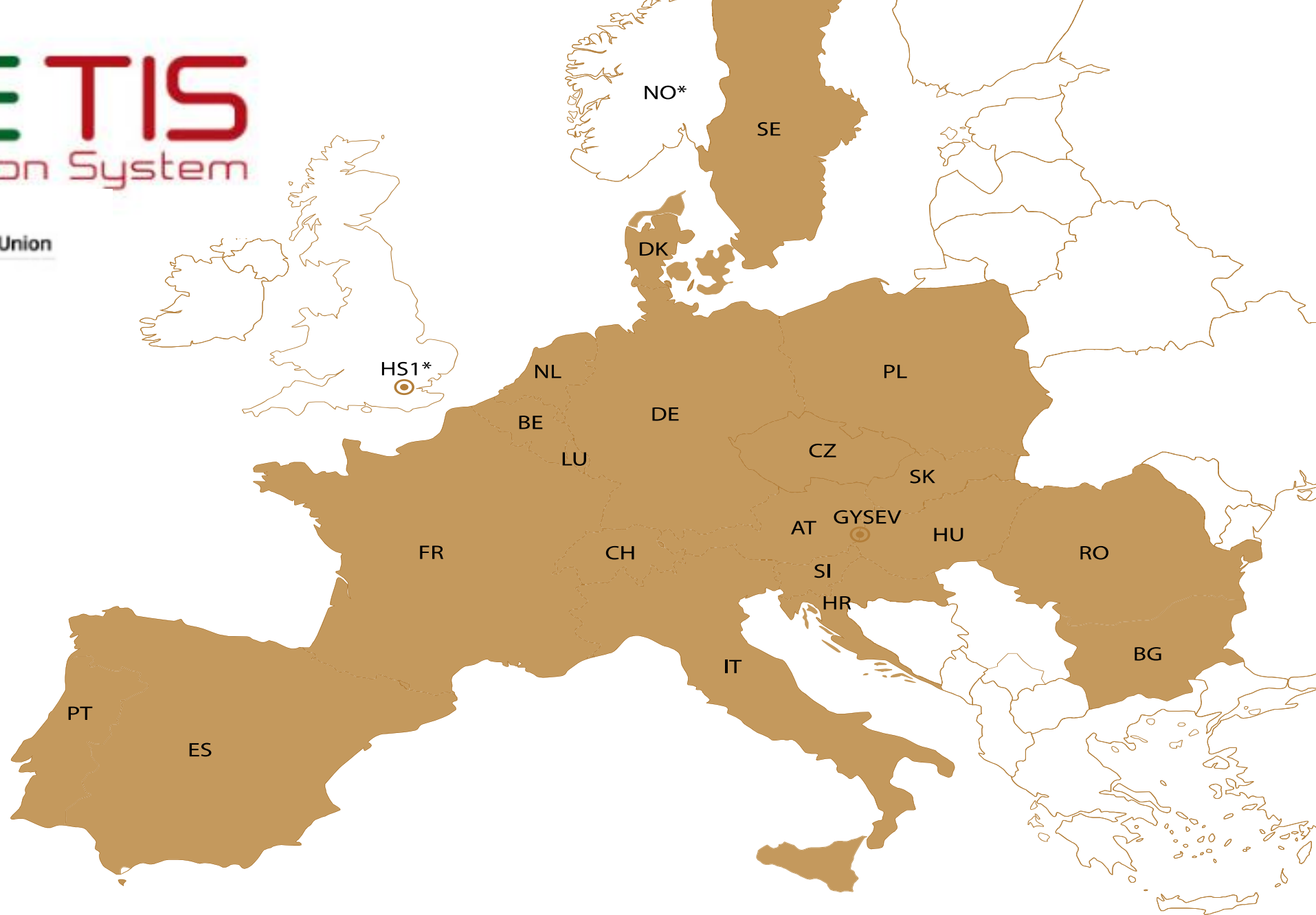


# RNETIS

Train Information System



Co-financed by the European Union  
Connecting Europe Facility



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*\* implementation in progress*

<http://tis.rne.eu>

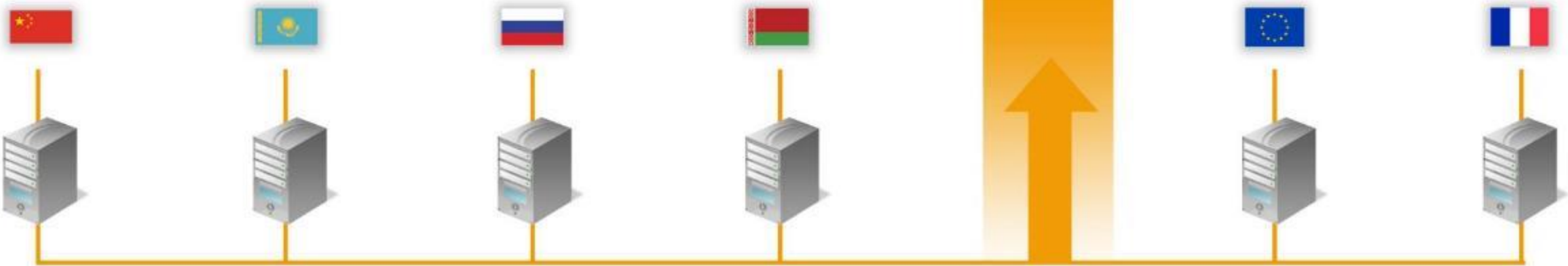


# INFORMATION SUPPORT FOR EURASIAN CORRIDOR

Data interchange between **TIS** and **RWL SIGIS** systems



**CLIENT**



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# Thank you!

