

# RNE Summer Academy 2026 – Day 2

RailNetEurope

27 AUGUST 2026



Co-funded by  
the European Union

# Meeting Agenda

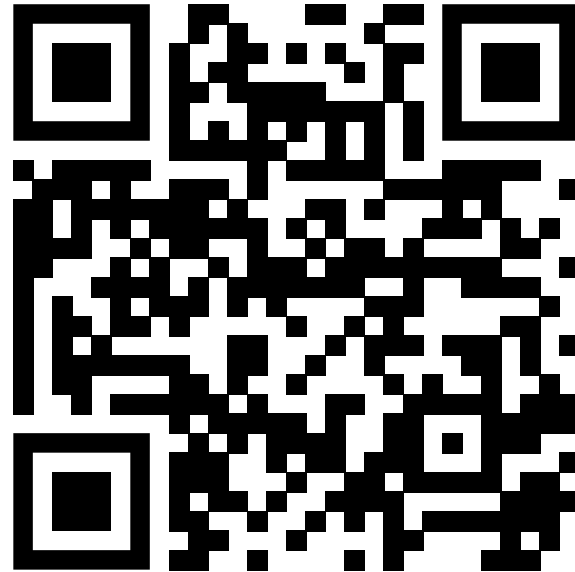
| No. | Time          | Topic                                                | Responsible                                        |
|-----|---------------|------------------------------------------------------|----------------------------------------------------|
| 1   | 09:00 – 10:30 | Capacity Management                                  | Philipp Koiser                                     |
|     | 10:30 – 10:45 | Coffee Break                                         |                                                    |
| 2   | 10:45 – 12:00 | Traffic Management                                   | Peter Šišolák, Juraj Maliaček, Nektarios Zacharias |
|     | 12:00 – 13:00 | Lunch Break                                          |                                                    |
| 3   | 13:00 – 14:00 | IT Strategy                                          | Andras Till                                        |
| 4   | 14:00 – 15:00 | Legal Matters, Network Statement, Regulatory Affairs | Daniele Imbriani                                   |
| 5   | 15:00 – 15:30 | Closing words                                        | Katja Krpoun                                       |

# Polling Question

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Looking back at yesterday, which topic did you enjoy the most?

Scan QR Code  
to participate



## Day 2. Looking back at yesterday, which topic did you enjoy the most?

funding  
financing

all  
market and performance  
markets and performance  
regulations and finance

etms  
transition taskforce  
stakeholder engagement  
nc project

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# 01 Capacity Management incl. IT



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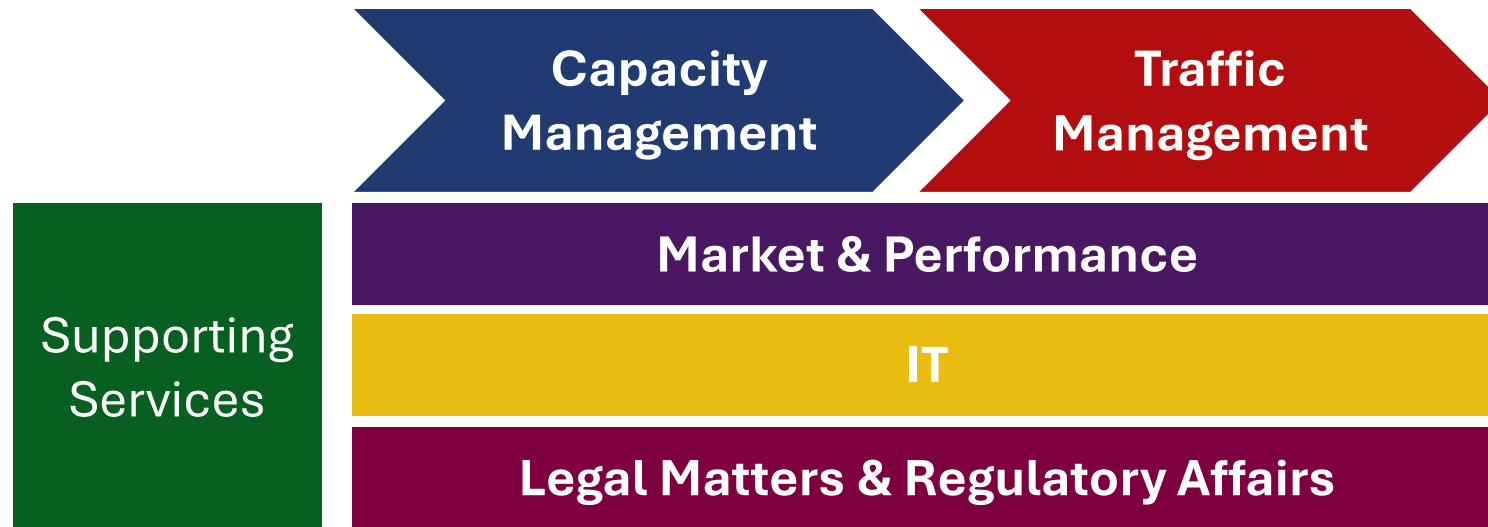
# 01 Basics of European Rail Capacity Management



General

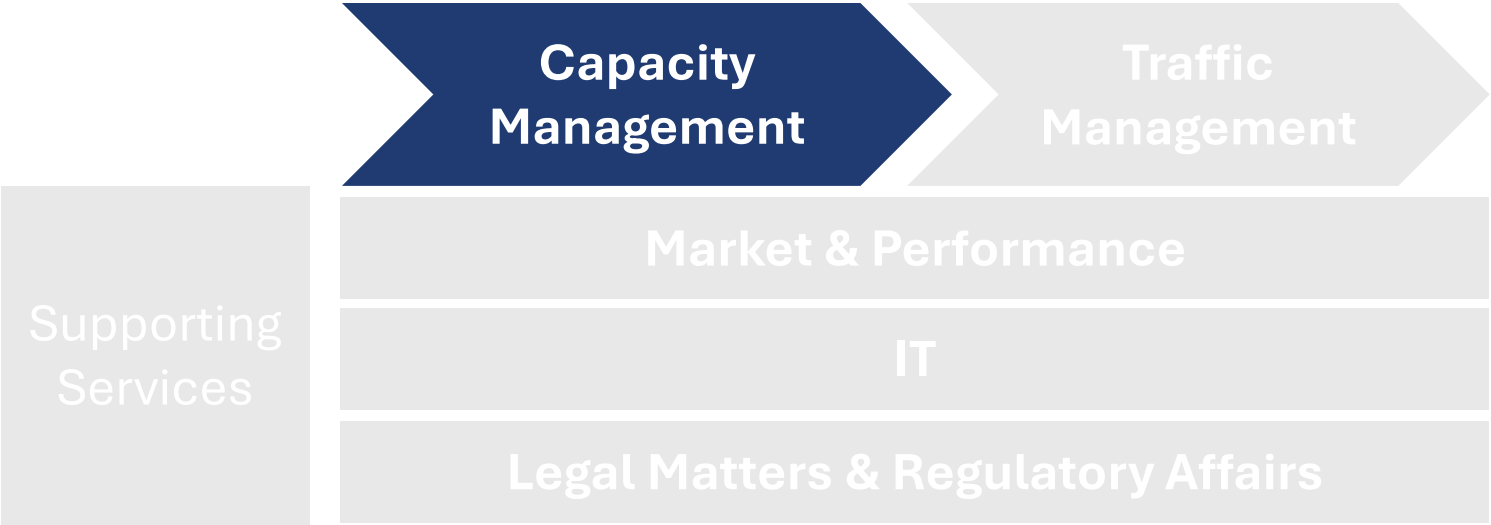
# Core Business

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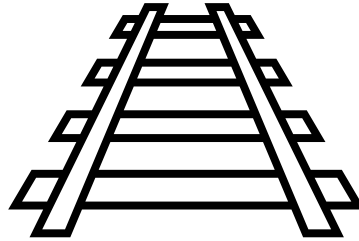
General

# Core Business

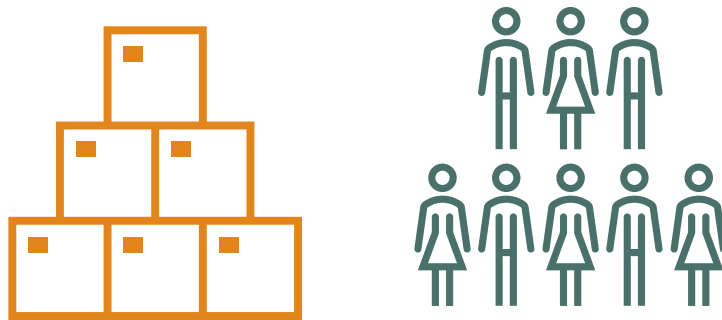


# Goal of RNE Capacity Management

To plan train runs on existing rail infrastructure...

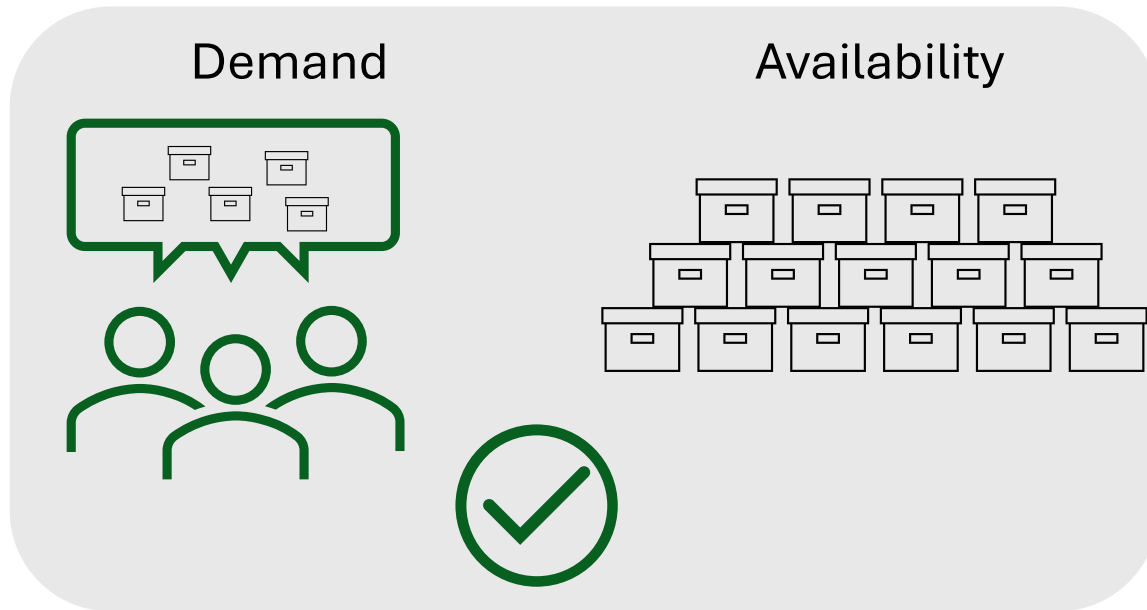


...for optimum transport volumes for goods and passengers.



# Rail Capacity Availability to Satisfy the Market

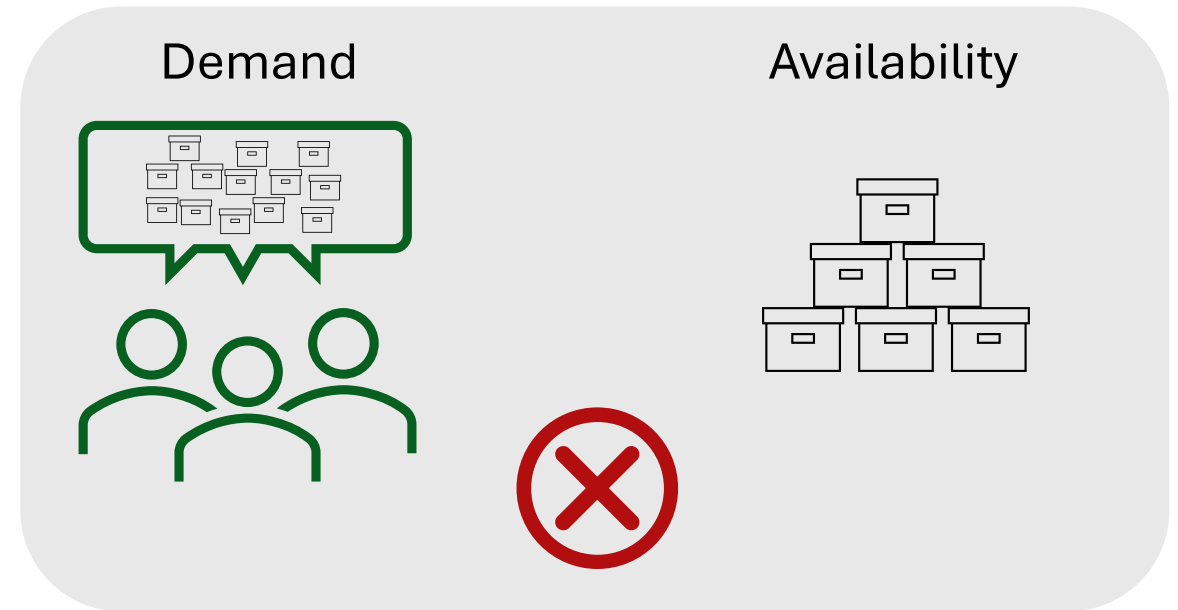
## Past



All demands **can** be satisfied (quality & quantity)

→ No process changes needed

## Present

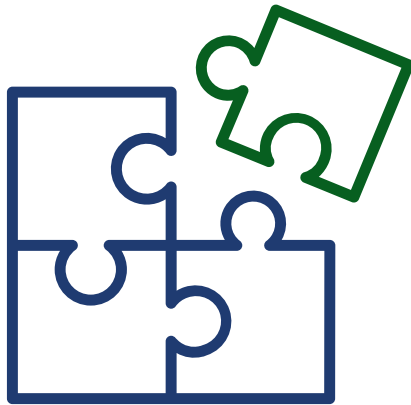


Demands **cannot** be fully met (quantity & quality)

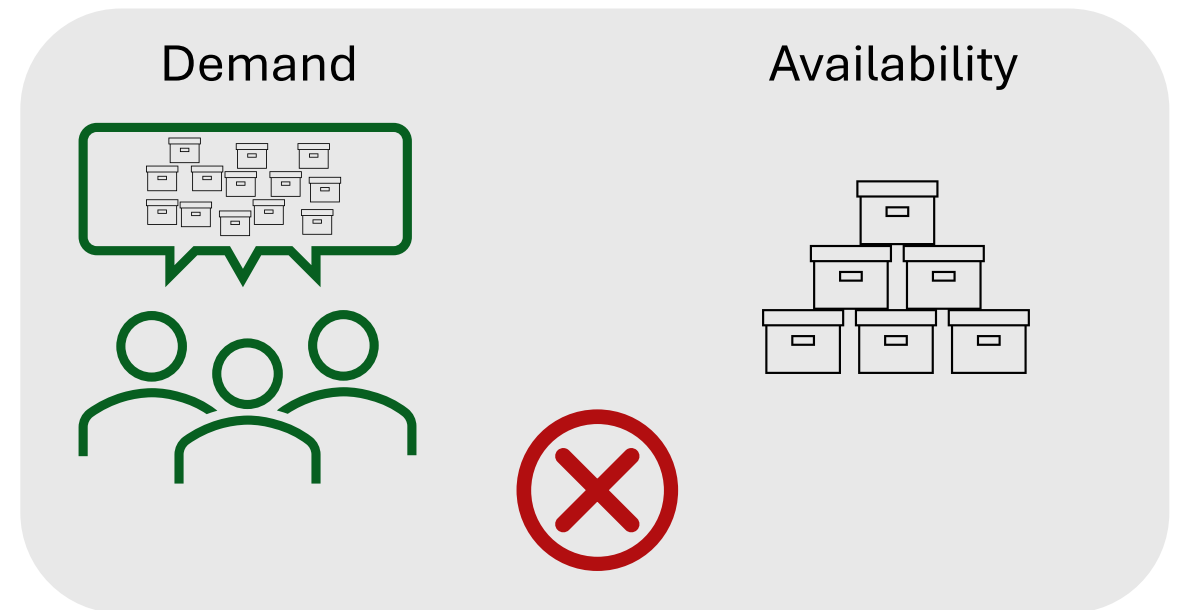
→ High requirement for better planning

# Solutions?

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## Present



Demands **cannot** be fully met (quantity & quality)



High requirement for better planning

# Possibilities to Increase Capacity

Build new (or upgrade existing) infrastructure

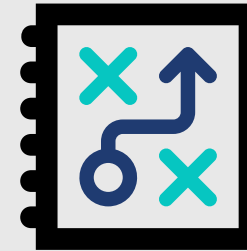


Optimise capacity on existing infrastructure



Eventually necessary

but **cost and time consuming** and strongly interfering with running traffic (i.e. constructions)



By increasing efficiency in planning with cost-effective measures on short- and mid-term



**RNE Mission for Capacity Management**

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# 02 Challenges in European Capacity Management

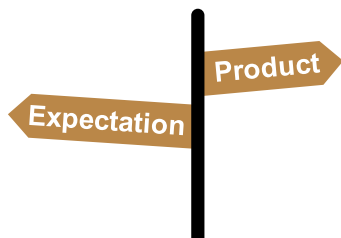


# Looking at Legacy Capacity Management Processes

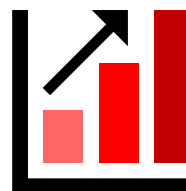


# Identified Problem Drivers

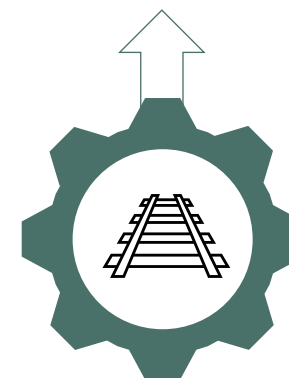
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Inadequate products for many market requirements



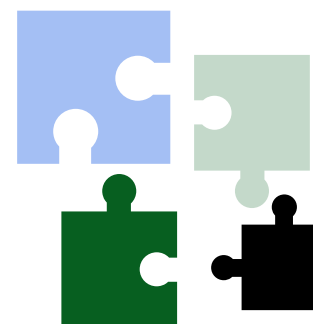
Increased transport demand



Need to upgrade infrastructure

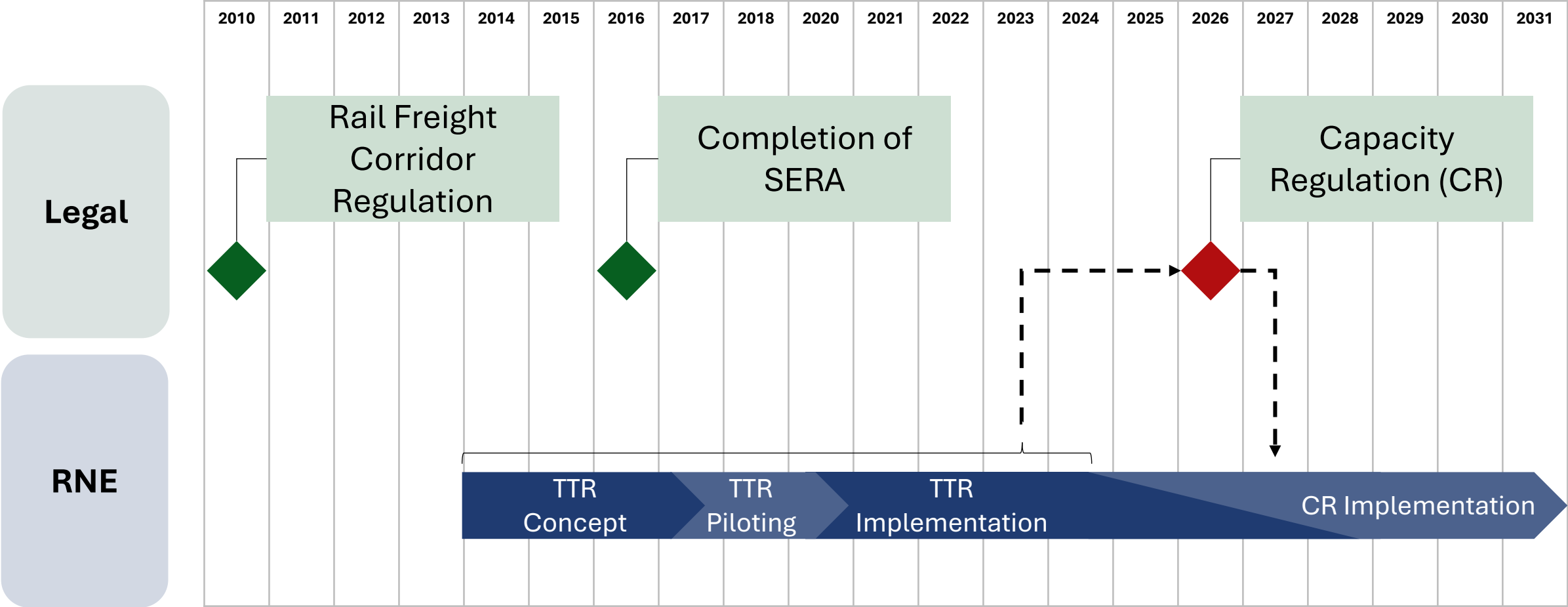


Lack of digitalization



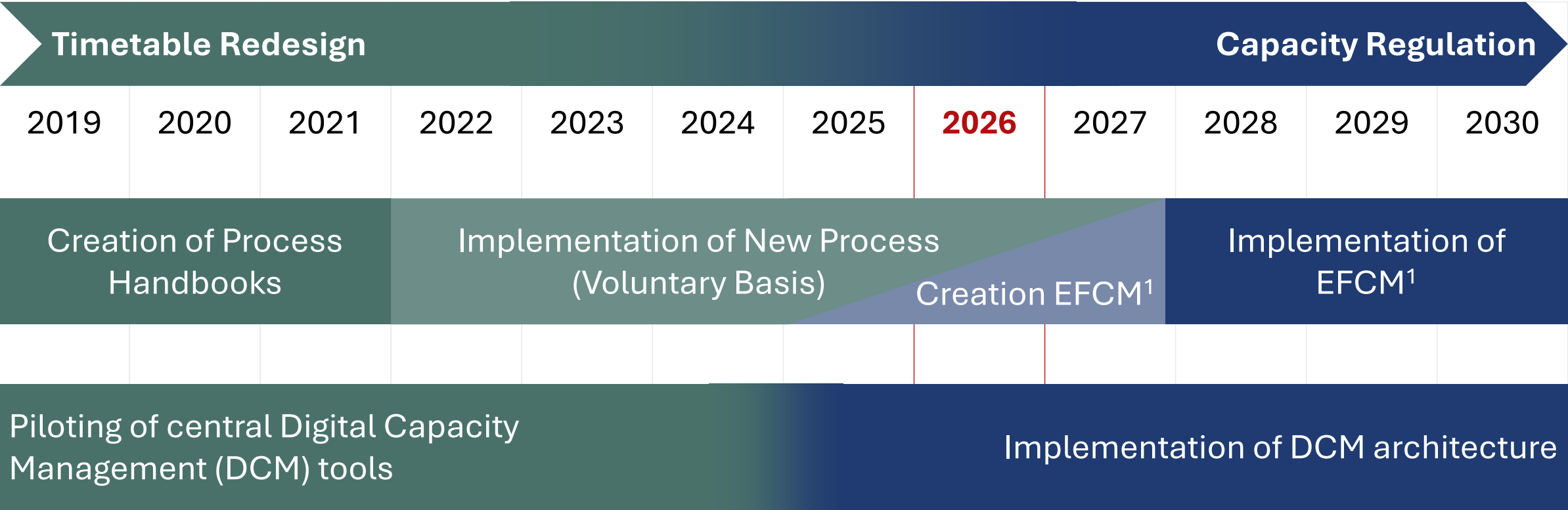
Mismatching national processes

# Solution: Capacity Regulation



# Implementation Timeline

Goal: Full Implementation  
for TT Period 2031



(1) European Framework for Capacity Management

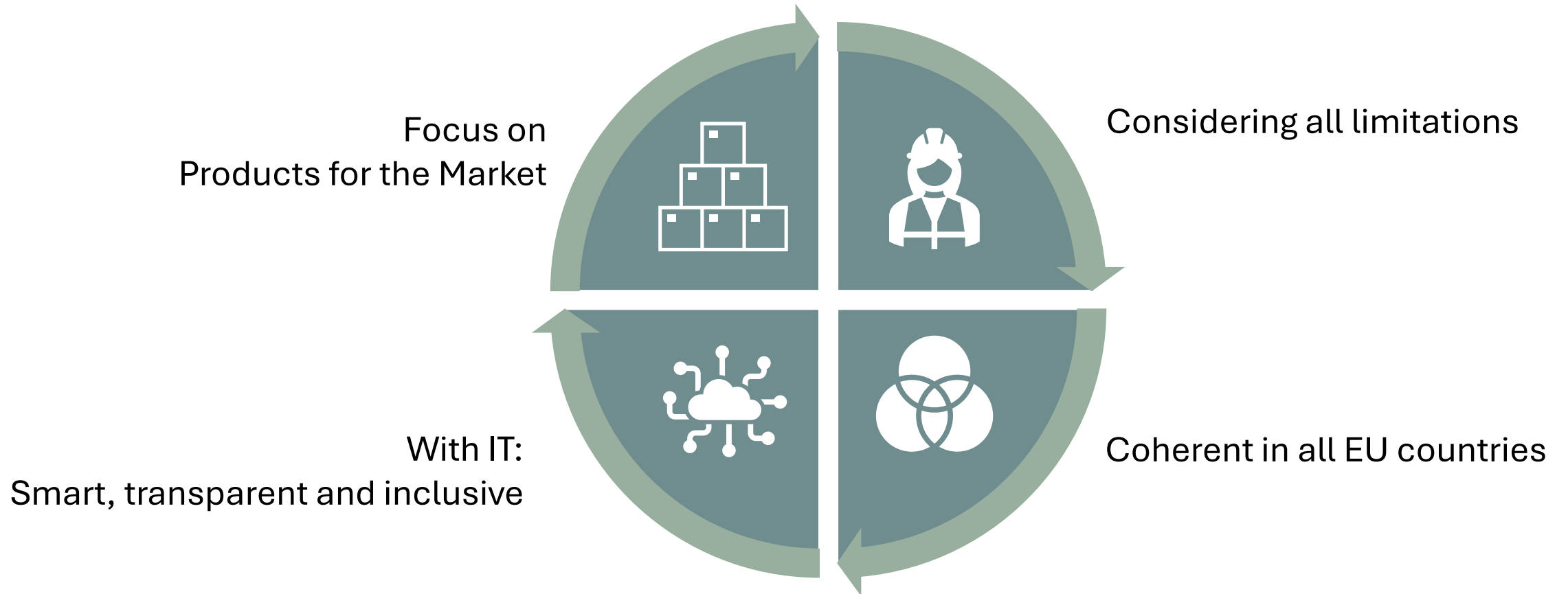
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# 03 A New Capacity Management Approach



# Key Principles of New Capacity Management Approach

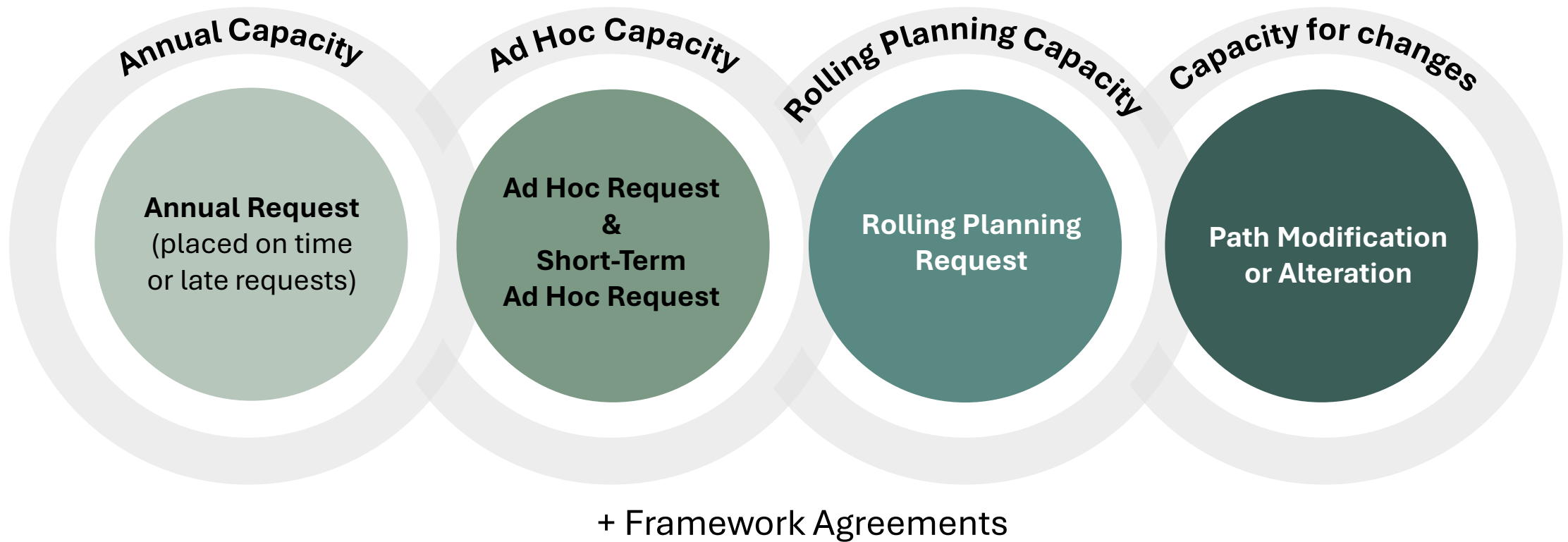
**Overarching goal: Increase efficiency in the use of capacity**



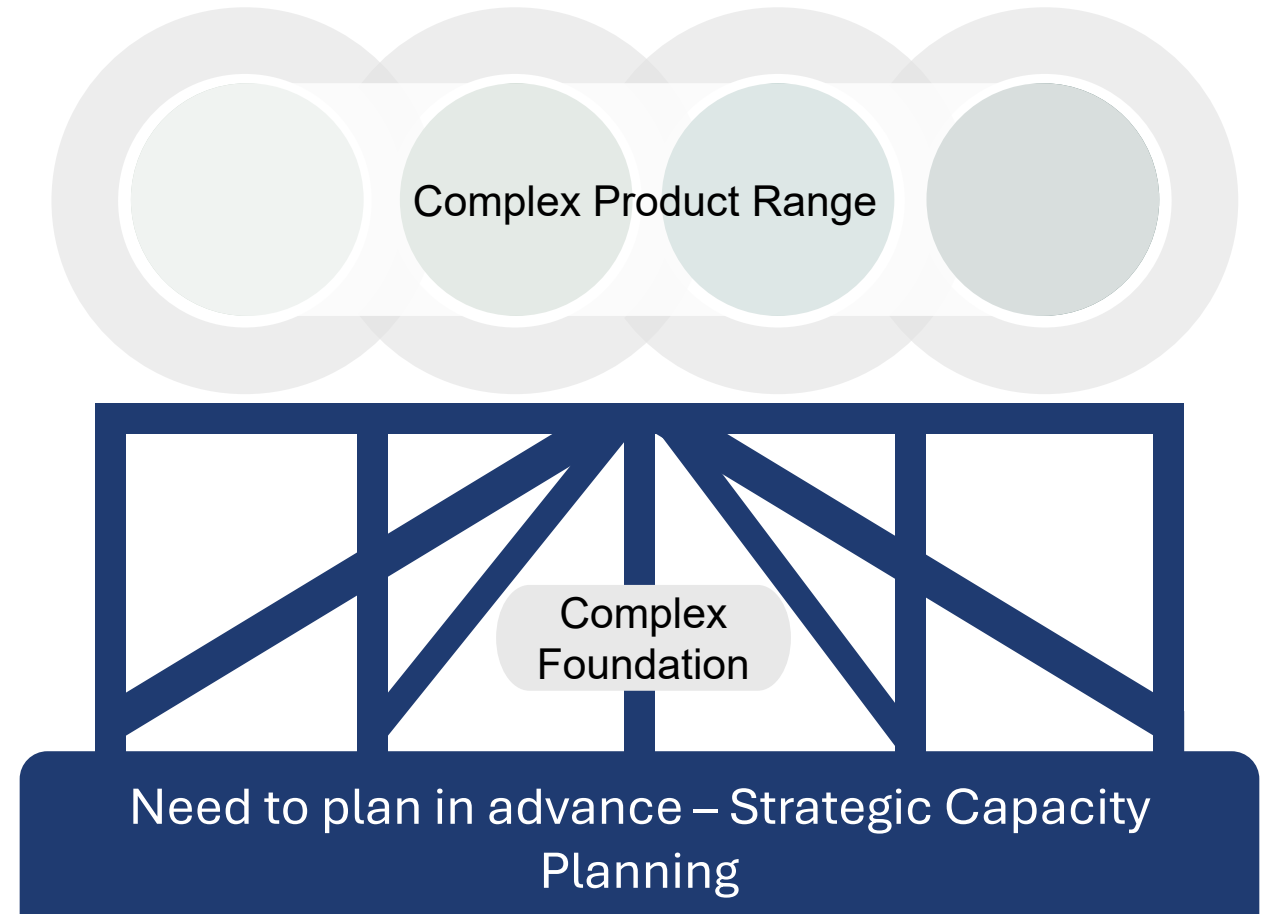
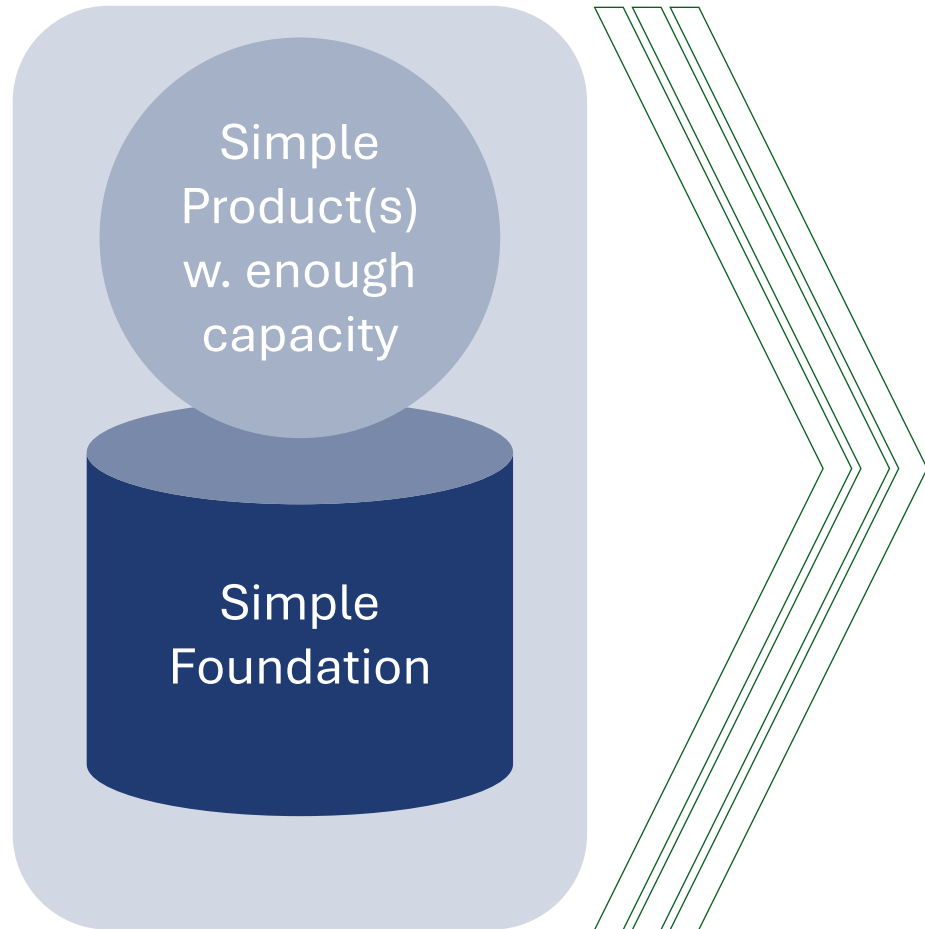
# Products in Capacity Management

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The market requires a **variety of products** with different features and characteristics.

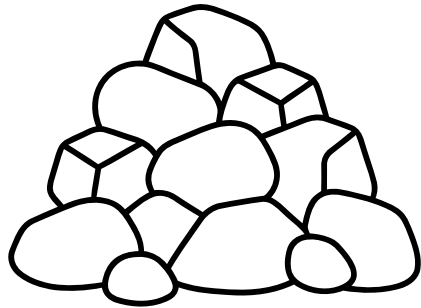


# Need for Strategic Capacity Planning



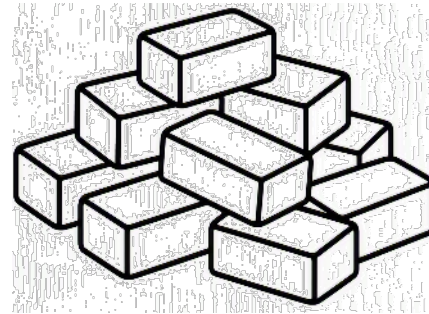
# Strategic Planning: From Rough to Detailed Information

## Capacity Strategies



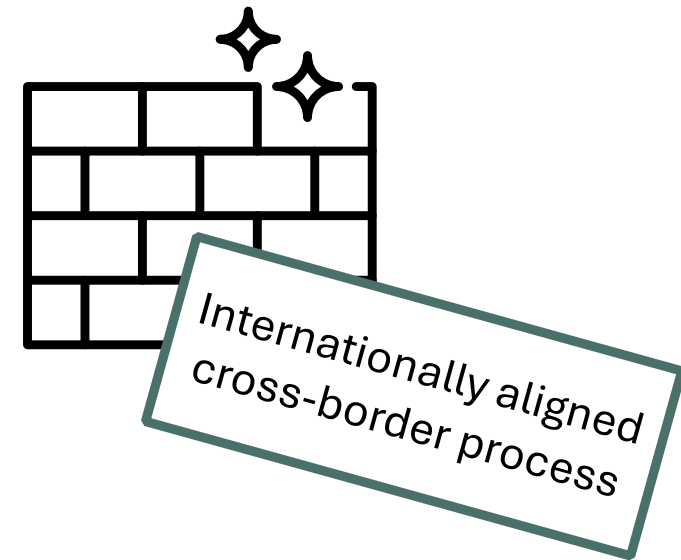
From rough information...

## Capacity Models



...to building blocks...

## Capacity Supply Plans



...to a complete picture!

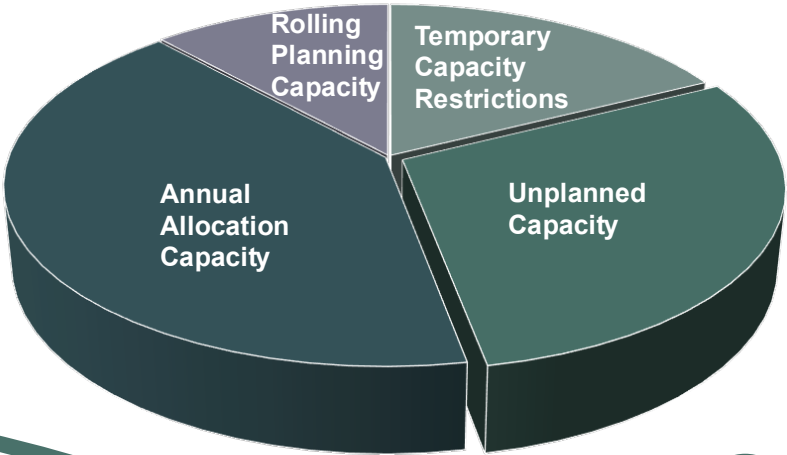
# Strategic Planning: From Rough to Detailed Information



X-60

## Capacity Strategy

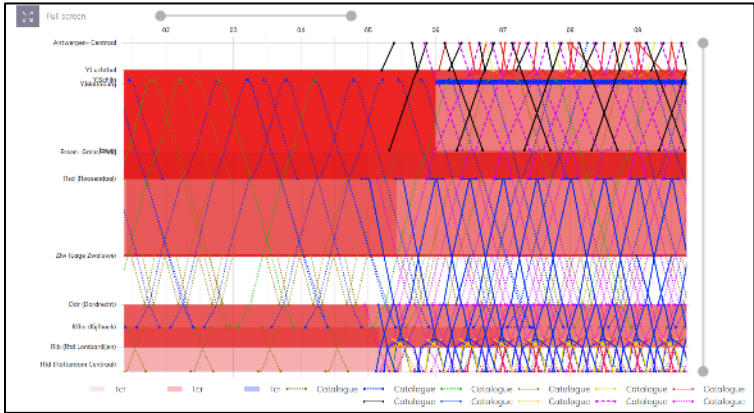
Describes main **principles** to be used in the TCR planning and timetabling.



X-36

## Capacity Model

Focuses on **volumes** and shares! Set the volumes of the transport per each market segment and the share for TCRs.



X-18

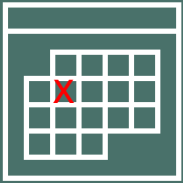
## Capacity Supply Plan

Shows all the **objects** (TCRs and commercial part) in a 365-days capacity diagram

X-11

## Requests

# Consideration of Temporary Capacity Restriction



- TCR planning as early as **possible**, analysing the impact on traffic
  - the higher the impact, the earlier the planning
  - Provision of reliable multi-annual financing is imperative



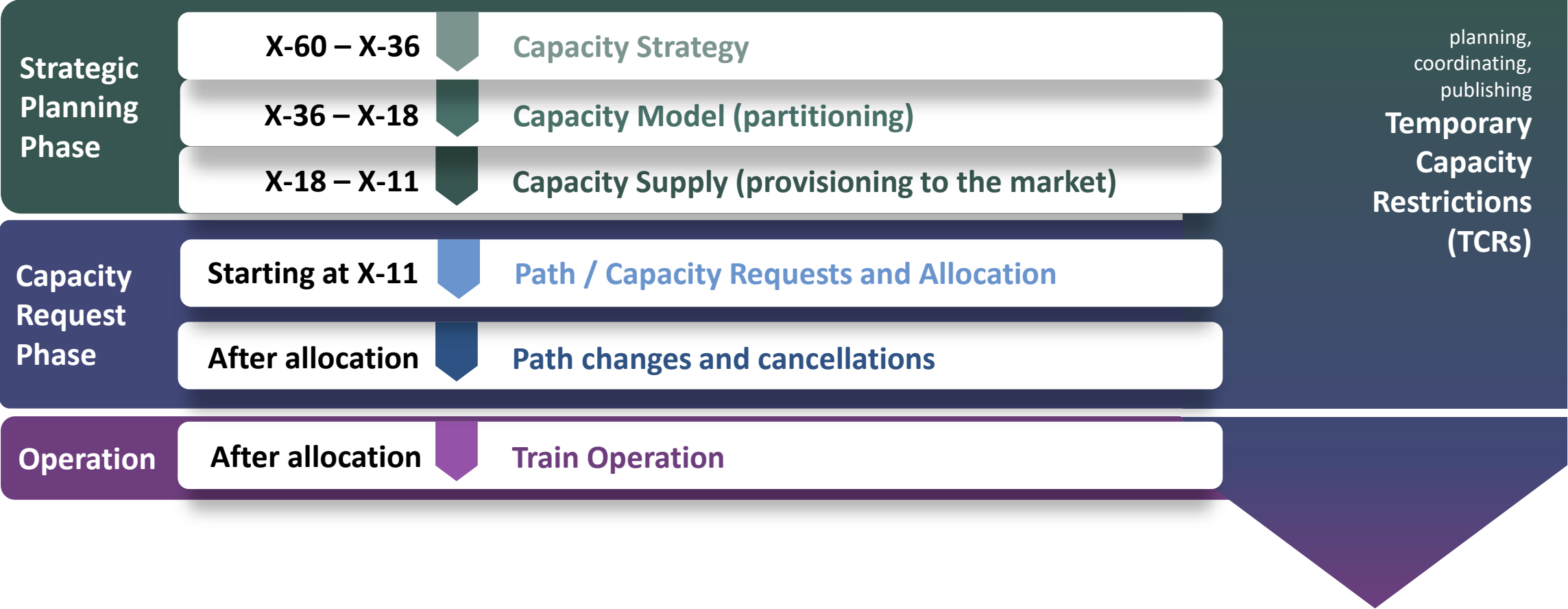
- IMs - supported by applicants **coordinate** TCRs to ensure traffic flows and high efficiency in planning



TCRs **published as soon as possible**, ensuring:

- Planning alternatives, including resources
- Timely information to end customers

# The Capacity Management Process Timeline



*X-# = Number of months before the day of timetable change*

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# 04 Digital Capacity Management



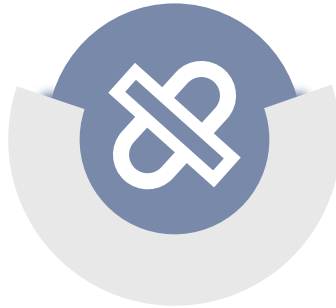
# Goal of Digital Capacity Management

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- IMs would like a **seamless planning experience**, and customers would like a **seamless booking experience** across Europe.
- The **European Commission** and **the sector** are pushing for **transparency, coordination, and consultation** across the planning phases.



**Seamless  
international  
capacity planning**



**Connected  
national systems**



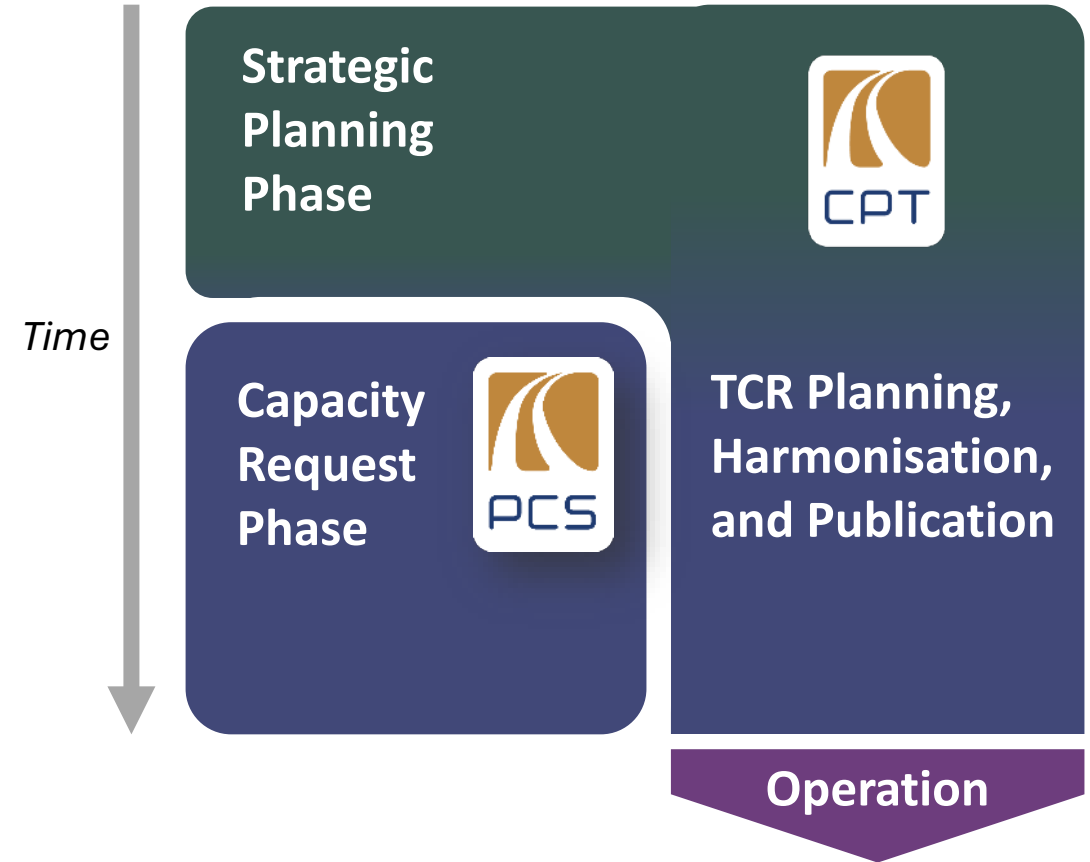
**Reduced manual  
work**

# Central DCM Tools

The central tools act as platforms for harmonised **planning** and **allocation**, respectively.

Each phase has a corresponding central platform:

- The **Capacity Planning Tool (CPT)** is used for Advance Capacity Planning and Temporary Capacity Restrictions;
- The **Path Coordination System (PCS)** is used for requesting and allocation.



# The main DCM components



## National Tools

national systems **need to be made fit** for Europe-wide capacity management and connected via central systems



## Central Systems

providing workflows to enable **coordination** and **harmonisation** on a **European level**



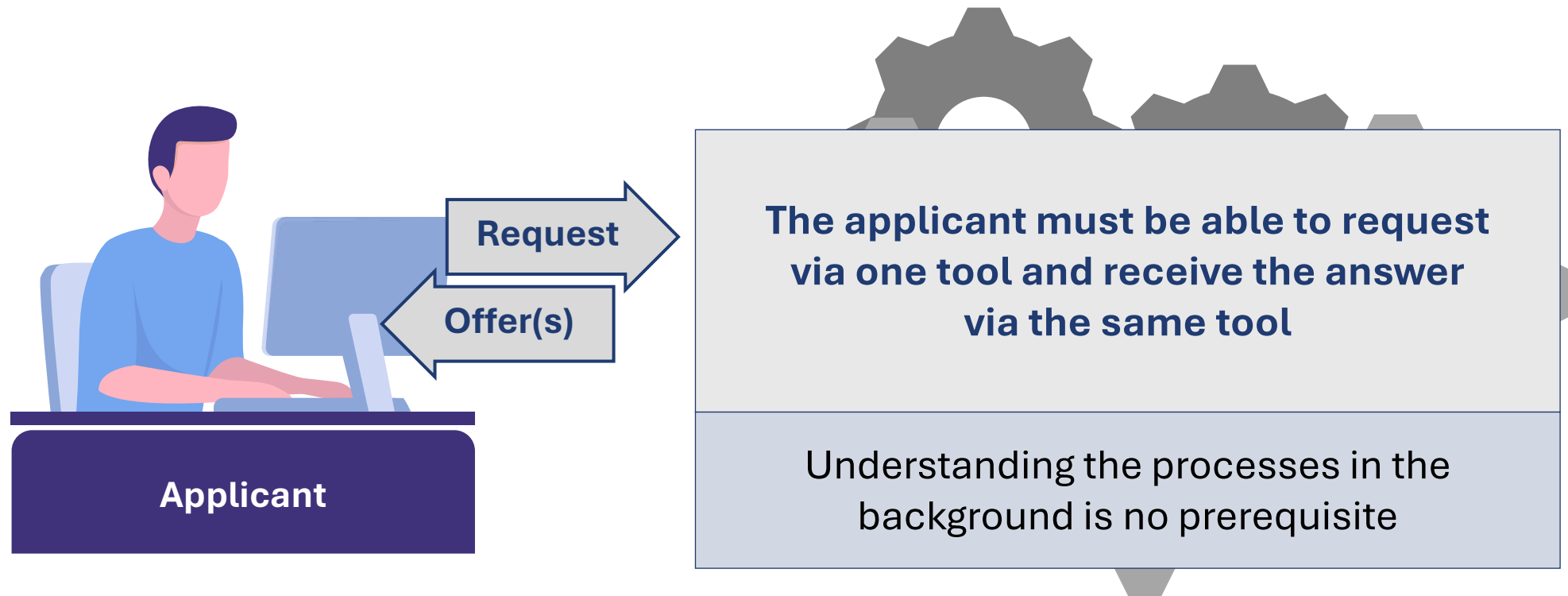
## Interfaces

to enable **true digital capacity management** and **universal participation**

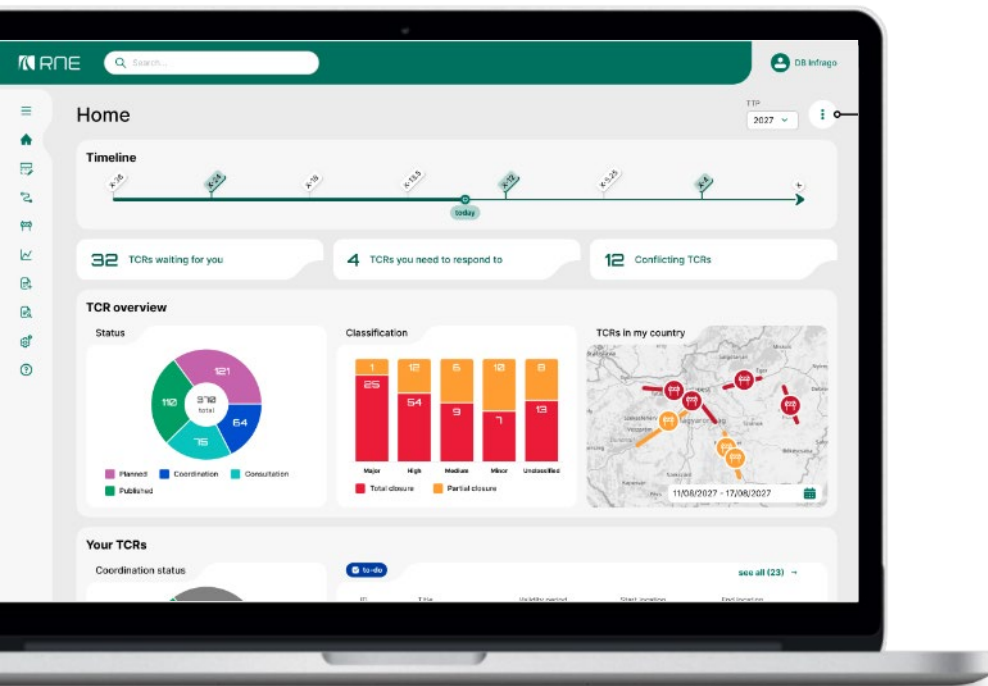
## TEL TSI

as the “common language” to establish a connected European network of systems

# Booking Process: Principle



# RNE Capacity Planning Tool



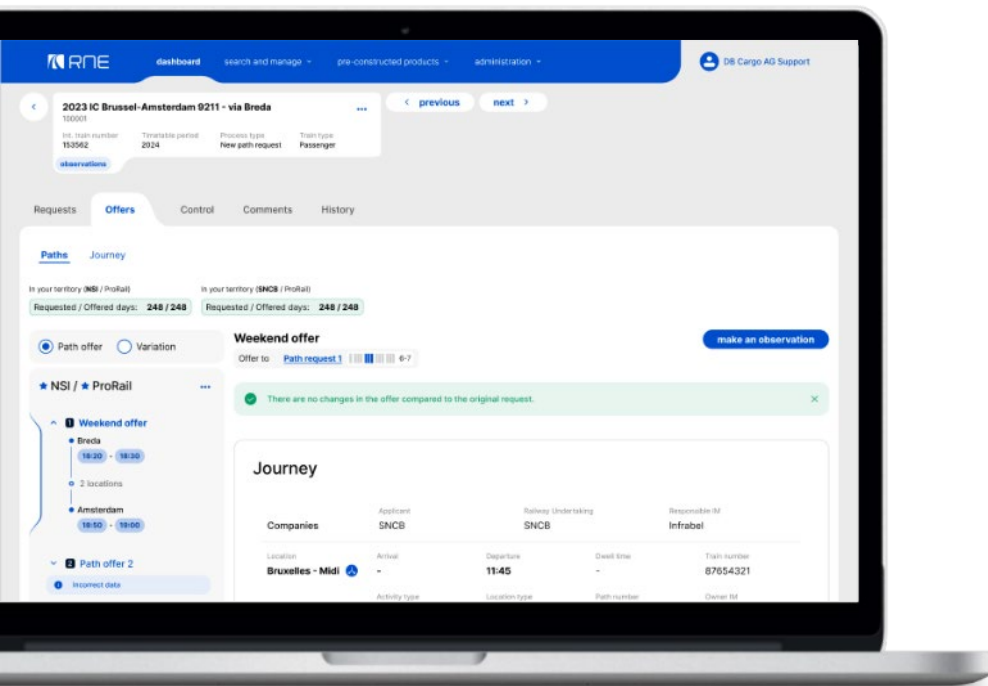
**Temporary Capacity Restrictions** – harmonised planning, coordination, and publication of Temporary Capacity Restrictions.

**Capacity Models** – for planning, harmonization, and consultation of cross-border capacity.

**Capacity Supply** – pre-planned coordinated paths, eventually bookable via the Path Coordination System.

Available **mid-2026**.

# RNE Path Coordination System



Providing harmonisation workflows for **coordinated path requesting and allocation** for the Annual Timetable.

It should be possible to plan and allocate **all cross-border trains** through the Path Coordination System.

Gradual support for **all booking process types** throughout 2026-2030.

**Latest version** live since **November 2025**.

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# 04 Implementation Is Ongoing



# Implementation Areas at RNE

1

## Process

- Establishing a common **rulebook**
- Implementation **steering**, including **monitoring** activities, **support** to members and stakeholders



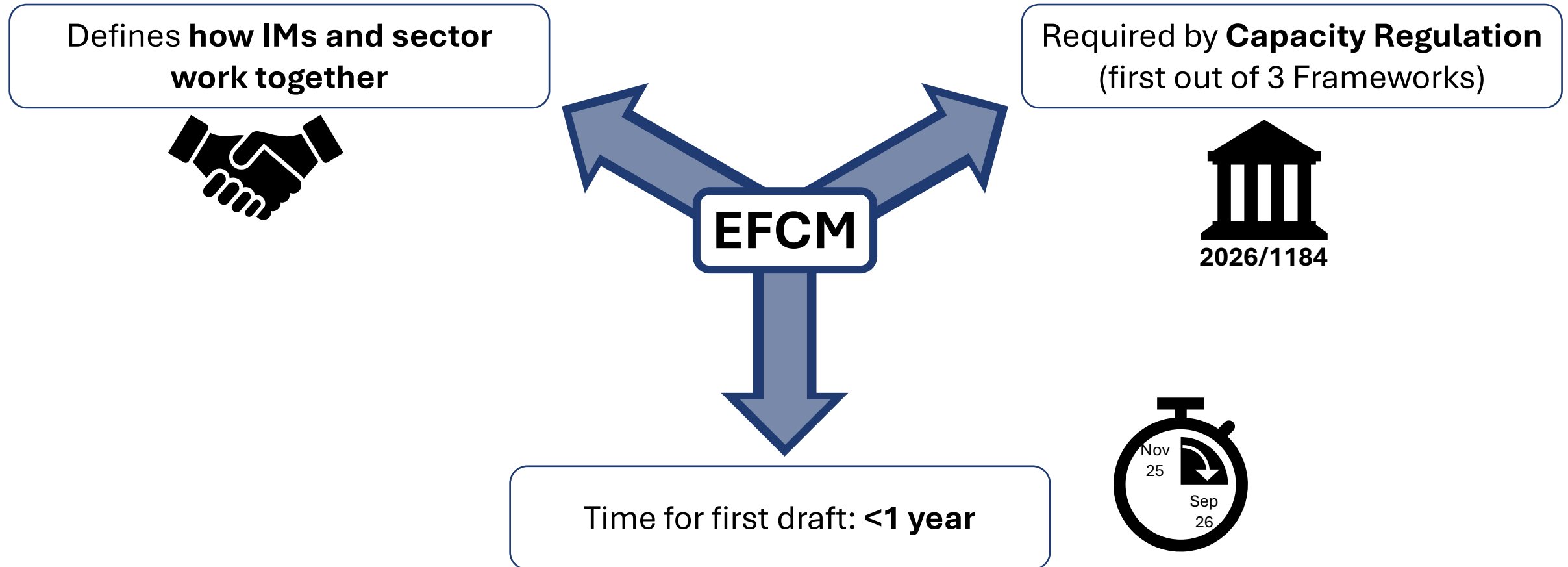
Basis: European Framework for Capacity Management (EFCM)

2

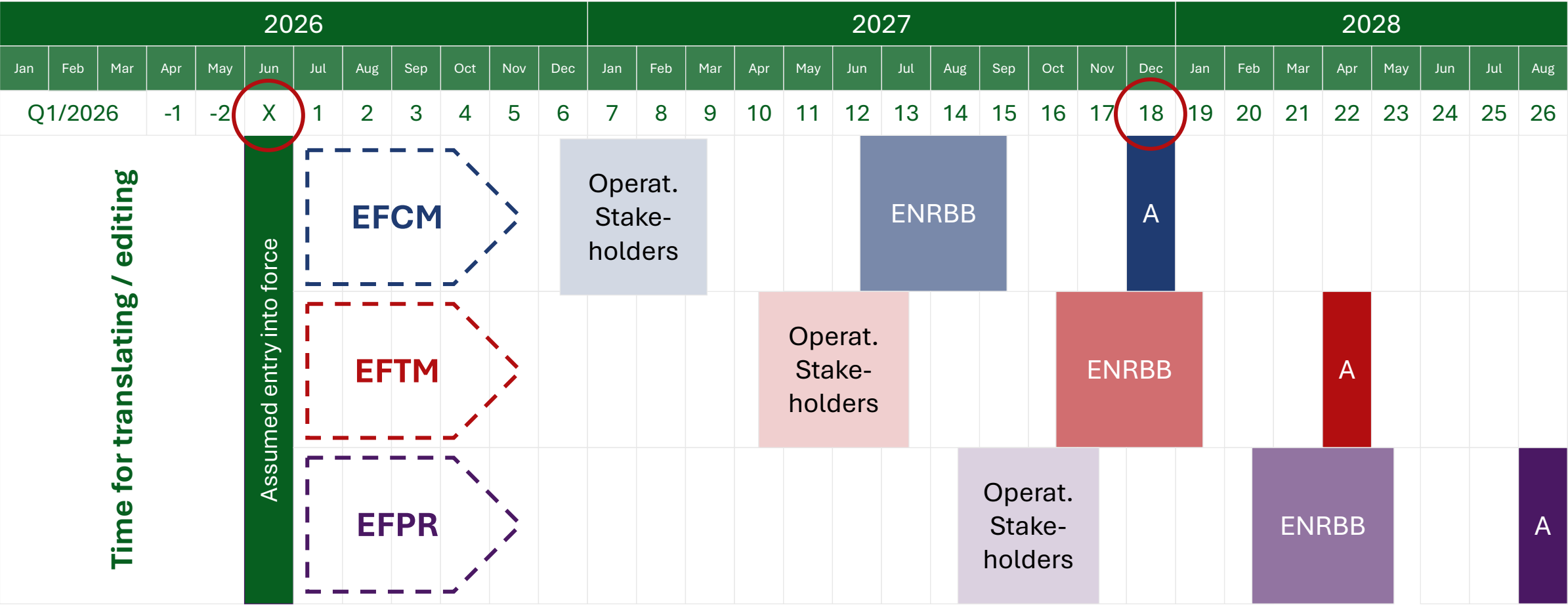
## Digital Capacity Management

- Significant **investments** (central & national)
- **Ongoing upgrade of central tools**
- RNE provides **integrated solutions**

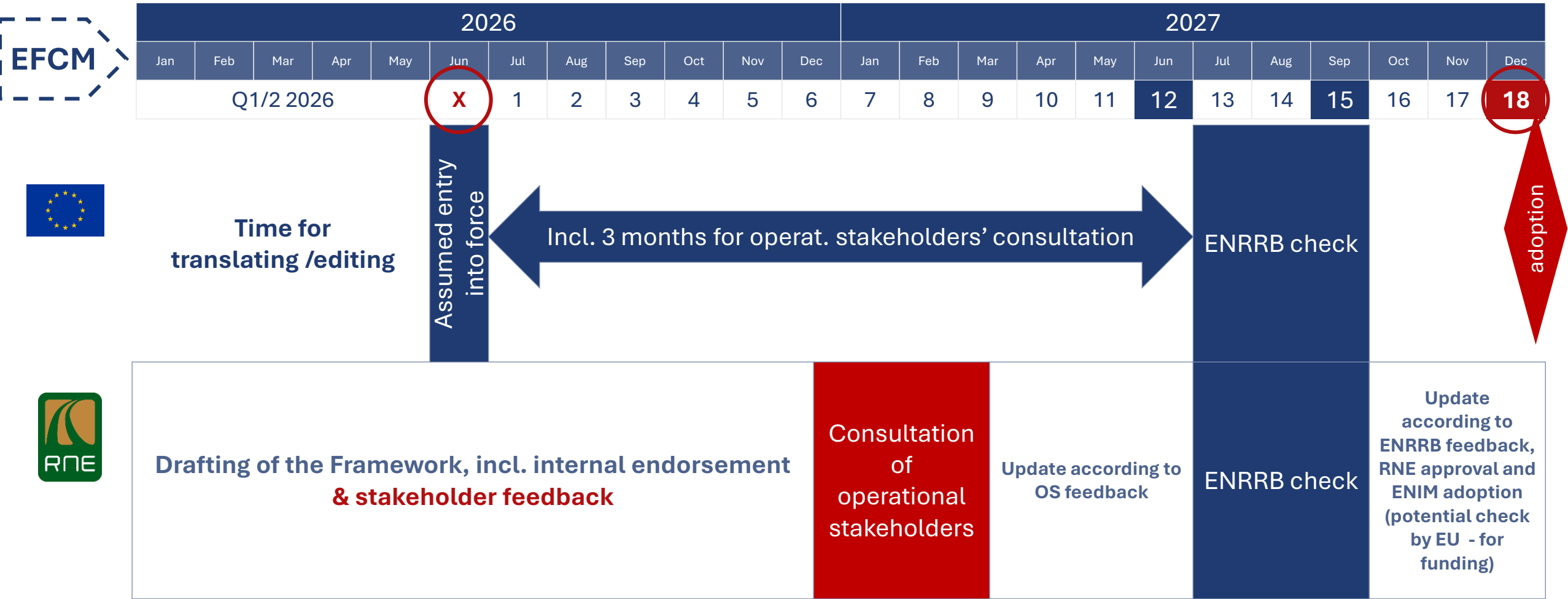
# Drafting the European Framework f. Capacity Management



# Regulation Milestones for European Frameworks



# Anticipated EFCM Timeline 2026-2027

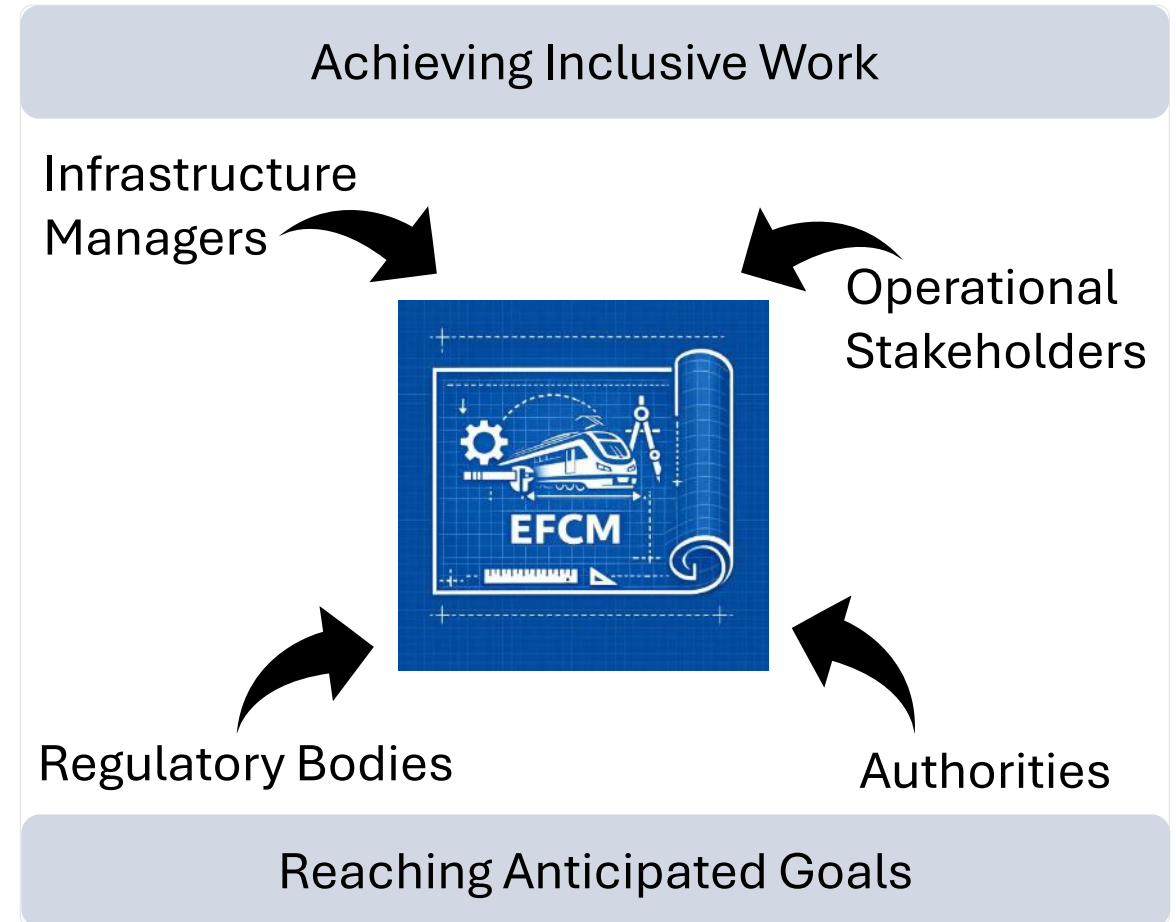
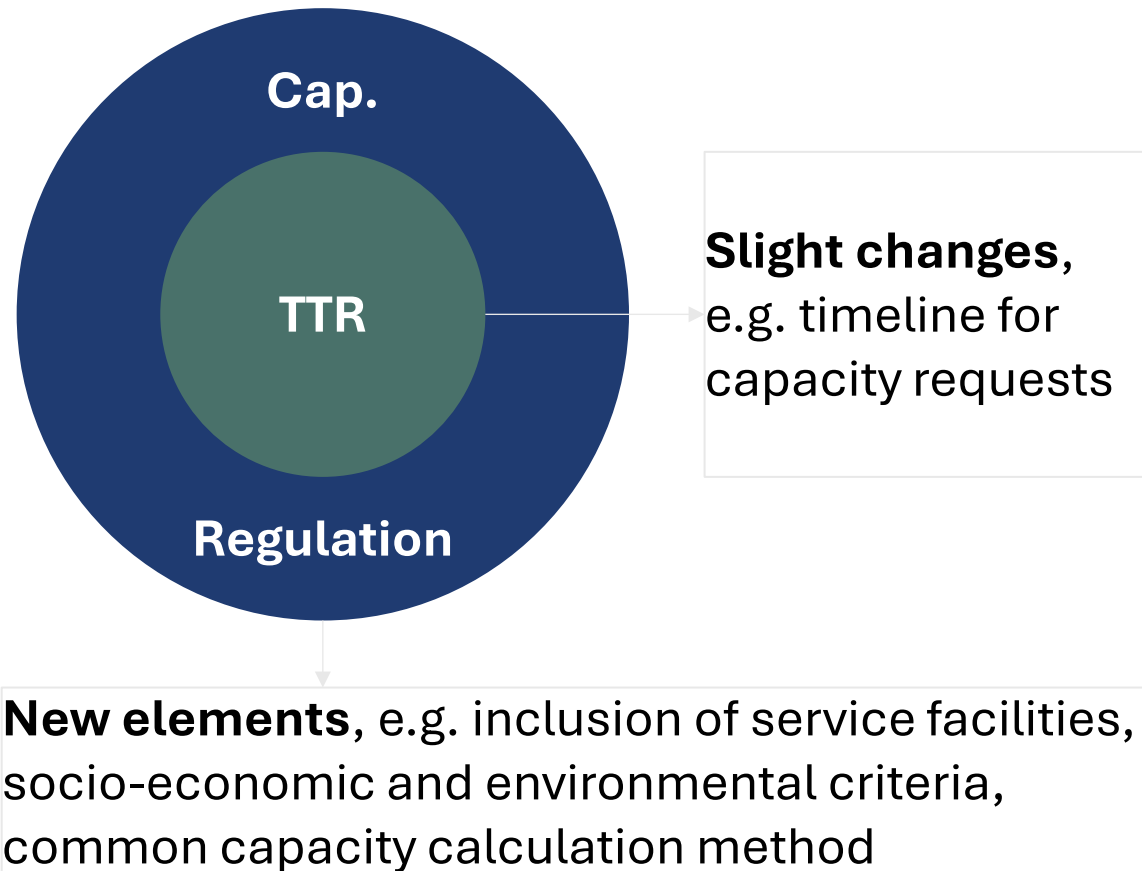


# RNE Approach for Drafting the EFCM

*+ First Stakeholder Engagement*



# Current Challenges for Implementation

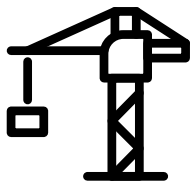


# IM Inclusive Work in EFCM Drafting

## EFCM Related Task Forces in 2026



**Capacity Utilisation**  
(in cooperation w. UIC)



**Service Facilities**

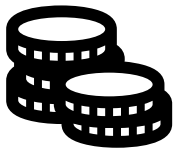


**Ad Hoc Allocation**



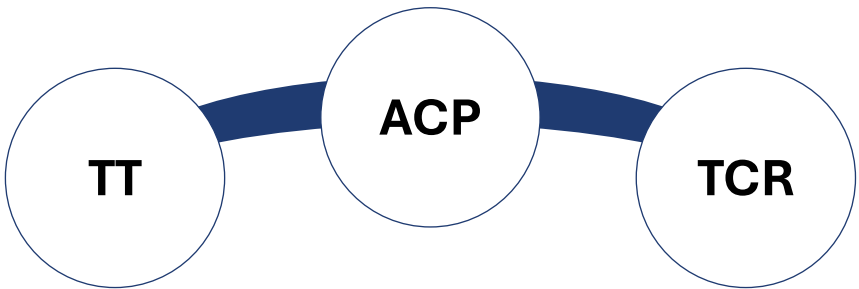
**Socio-Economic  
Criteria**

## Task Forces Beyond 2026



**Commercial Conditions**

## Existing RNE Working Groups

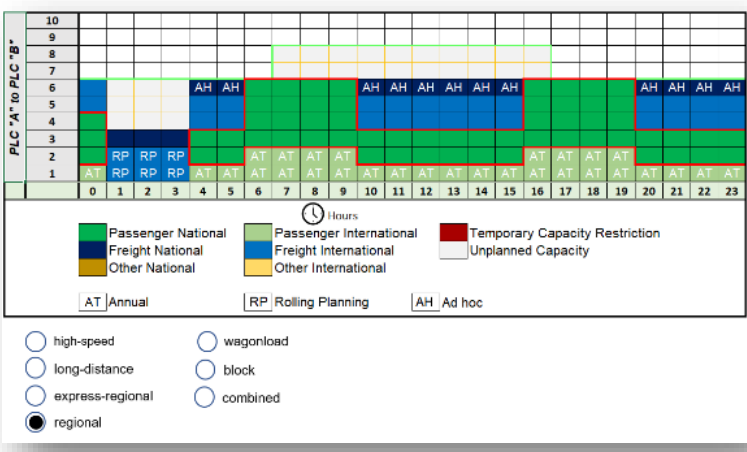
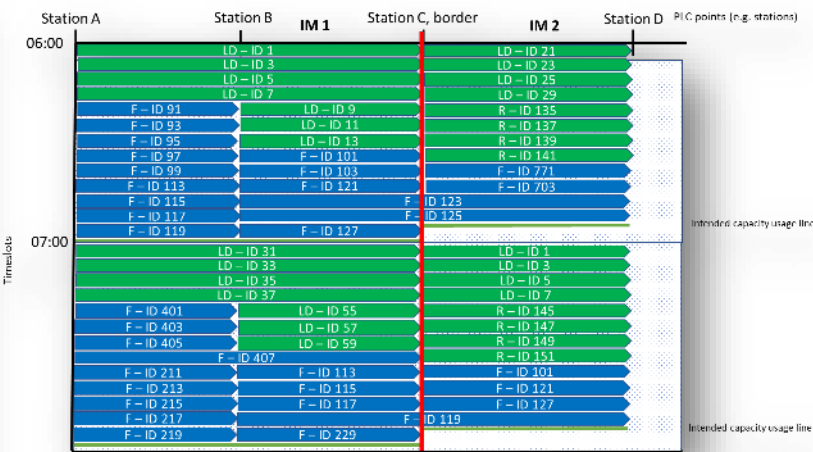
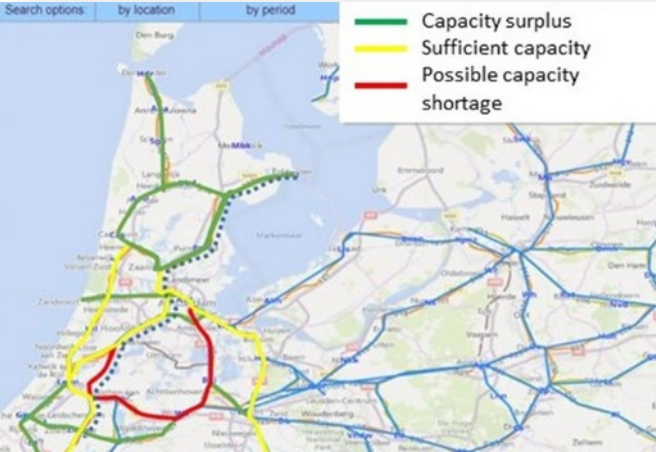


**BB**  
INFRA

**RFI**  
RETE FERROVIARIA ITALIANA  
GRUPPO FERROVIE DELLO STATO ITALIANE

**Infrastruttura**

# Already Achieved: Capacity Models



| Network level overview                                                              | Line level overview                                                                                                                                               | Section overview                                                                                  |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| General overview on very high level (e.g. capacity situation of a selected country) | Capacity situation on a selected line to facilitate the cross-border harmonisation and creation of variants (e.g. during Temporary Capacity Restrictions periods) | Capacity situation between two locations (practically between two neighbouring ones e.g. borders) |
| Main users: higher management levels, MoT, EC etc.                                  | Main users: IMs, Applicants                                                                                                                                       | Main users: IMs, Applicants                                                                       |

# Digital Capacity Management Status

## CAPACITY PLANNING TOOL



Plan ahead with a shared view of capacity.

- **TCR and Capacity Supply Plan Module released in June 2026**
- Capacity Model Module due in October 2026

## PATH COORDINATION SYSTEM



**Coordinate cross-border requests.**

- **Capacity Broker released in November 2025**
- Further developments until TT 2031

# Challenges on the Way



# Goal

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**Together as one sector we will be able to overcome all obstacles and achieve full implementation!**

# Contact

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**Philipp Koiser**

Head of Capacity Management

+43 664 884 248 14  
[philipp.koiser@rne.eu](mailto:philipp.koiser@rne.eu)

**RailNetEurope**

Austria Campus 3

Jakov-Lind-Straße 5

1020 Vienna, Austria

[www.rne.eu](http://www.rne.eu)

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# 02 Capacity Management Q&A Session

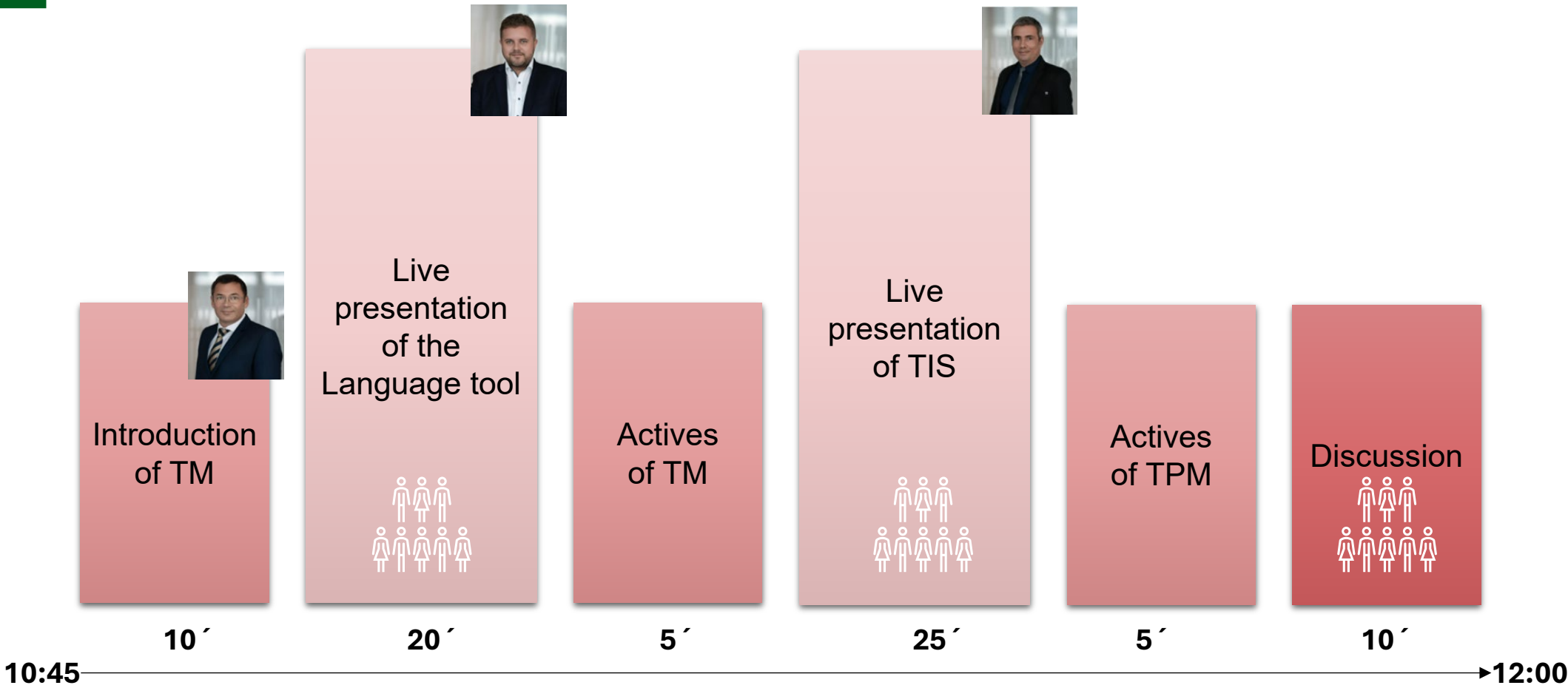


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# 04 Traffic Management



# Agenda



# Traffic Management Cooperation

## Traffic Management



**Head of Traffic Mangement**  
Peter Šišolák



**Team Leader Traffic Process Mgmt & Deputy Head of TM**  
Juraj Maliaček



**Traffic Mgmt Manager**  
Andrejs Lepskis



**Traffic Mgmt Manager**  
Riccardo Ioncoli



**Traffic Mgmt Manager**  
Marek Lukáč



**Traffic Mgmt Manager**  
Sebestyén Kuti



**Train Performance Mgmt Manager**  
Martin Köberl

## Train Information System (TIS)



**Senior IT Manager (TIS) - Team Leader TIS and Deputy Head of IT**  
Nektarios Zacharias



**IT Manager (TIS)**  
Arturas Paulauskas



**Jr. IT Manager (TIS) Appl. Support Manager**  
Viktor Kádár



**Jr. IT Manager - Software Support & Appl. Engineer (TIS)**  
Redion Copa

## Common IT Services



**Team Leader IT Common Services**  
Balázs Sonnevend



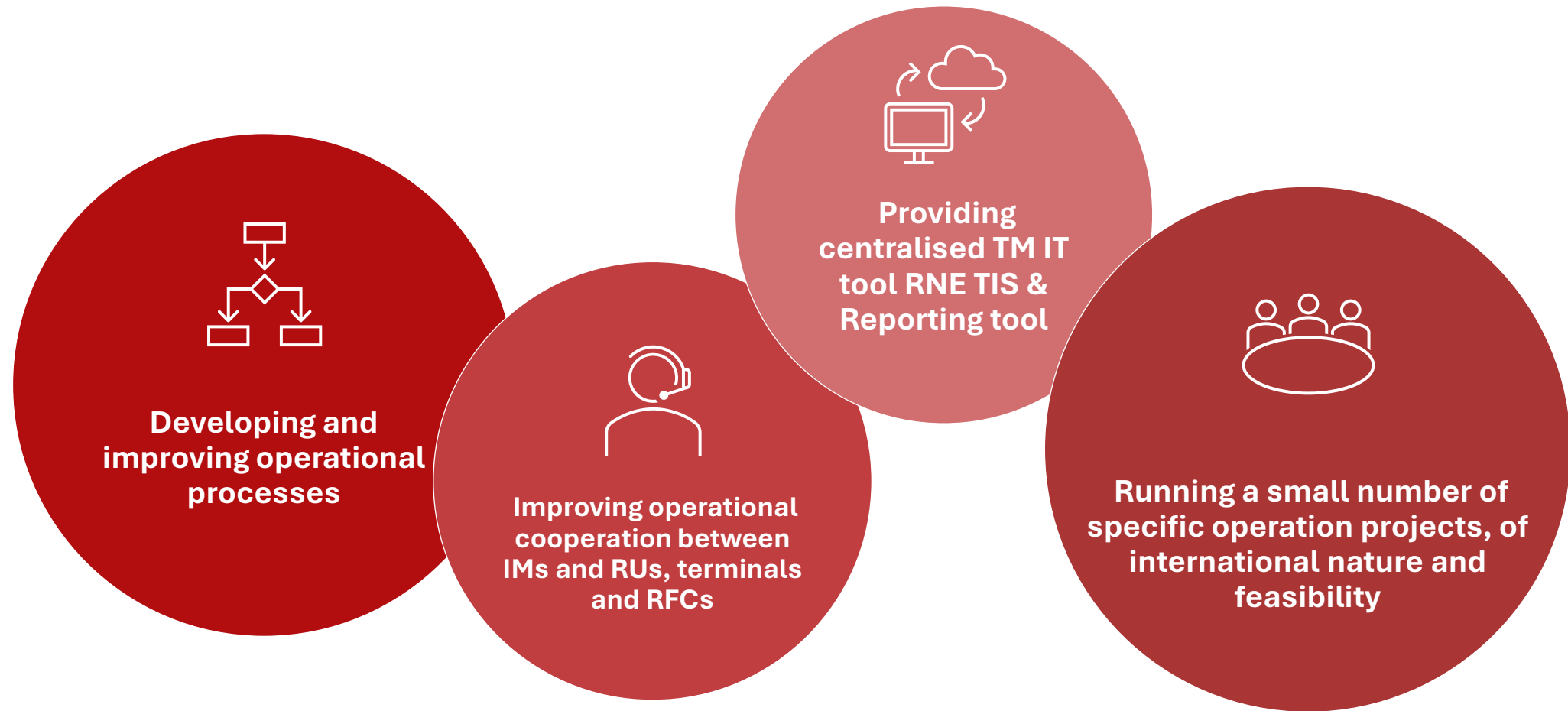
**Senior IT Manager (Reporting) & Deputy Team Leader**  
Semko Merdan



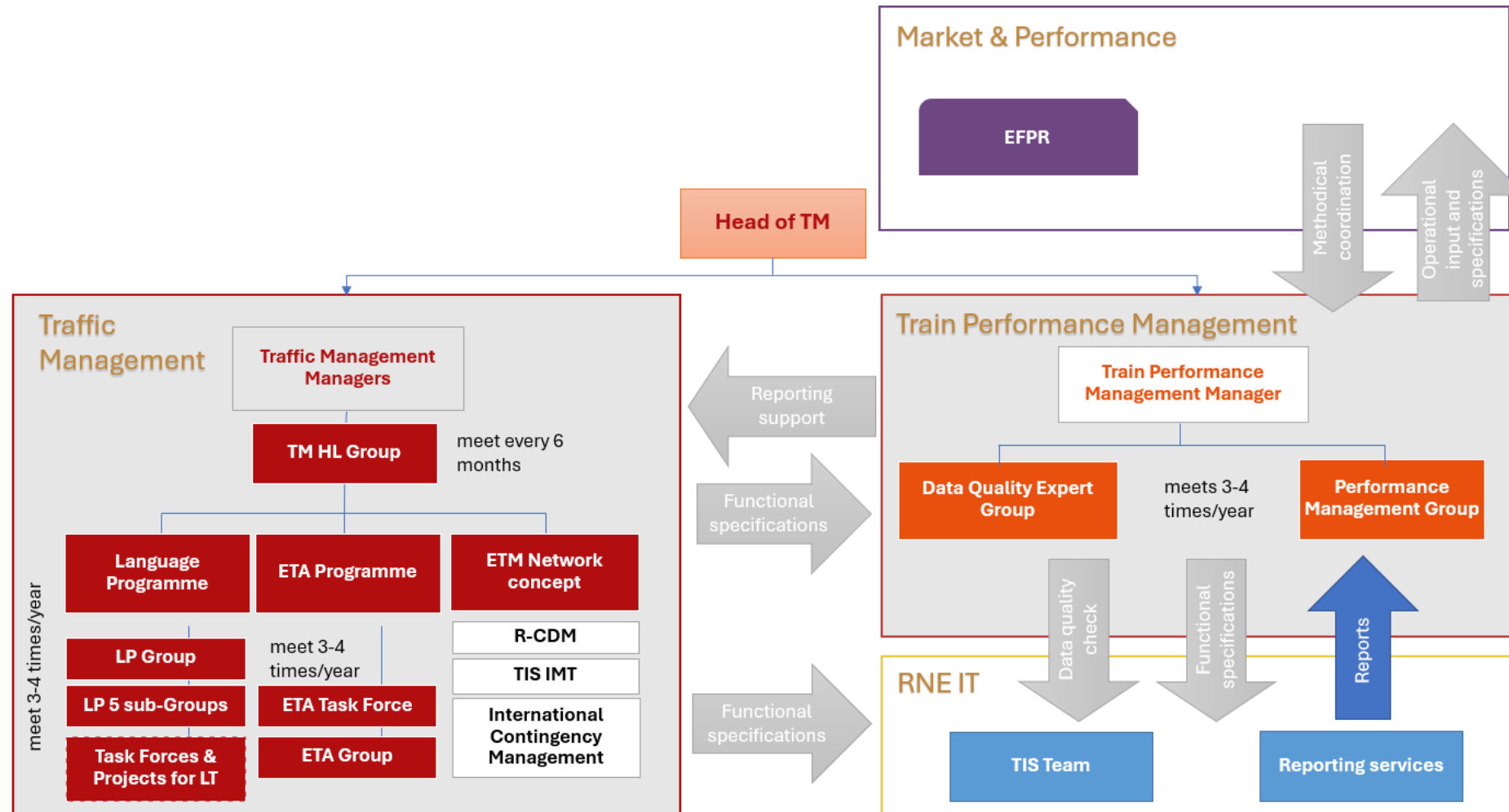
**Business Intelligence & Data Analyst**  
Ömer Emre Sorhun

# Traffic Management Main Activities

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# Organisational Set-Up Traffic-Mgt department at RNE



# Traffic Management – Areas of Activities



**Management**



**Cooperation**



**Communication**

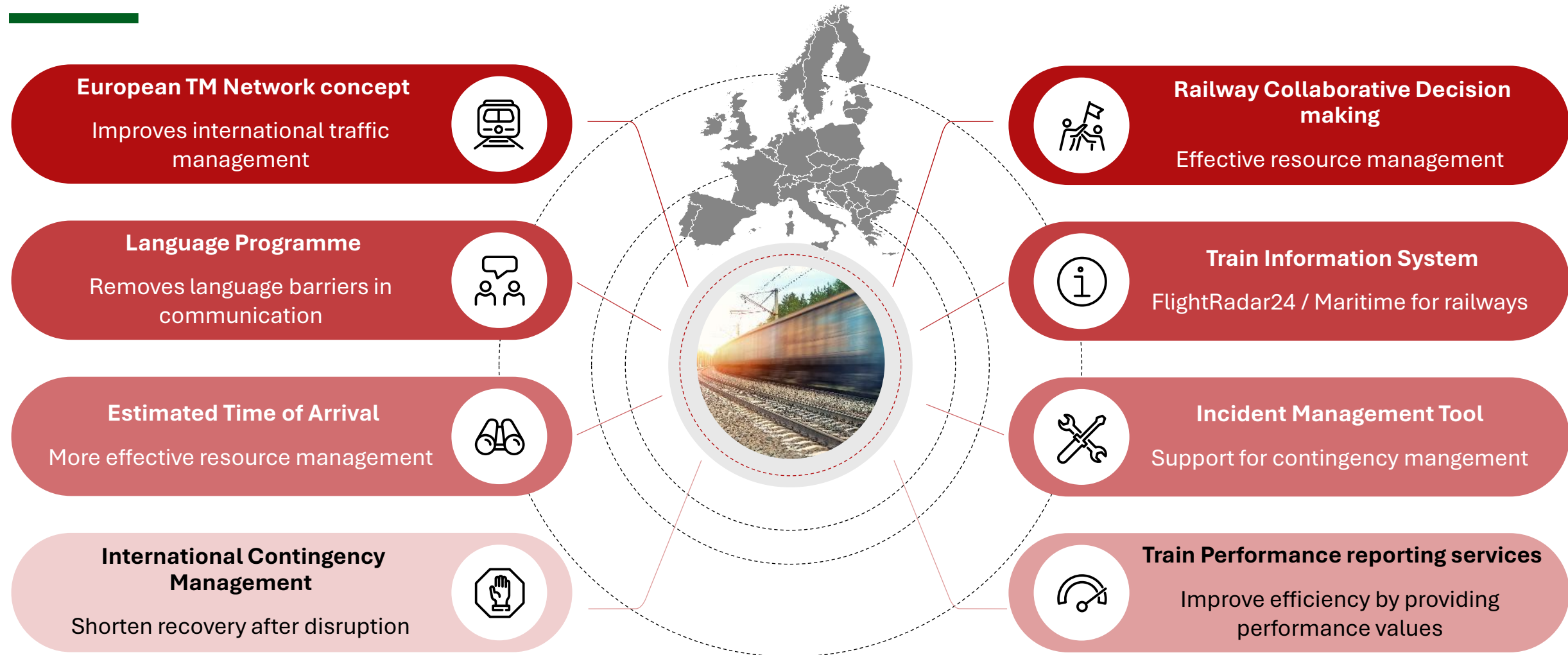


**Predictions**



**Performance**

# RNE Supports Traffic & Train Performance Management

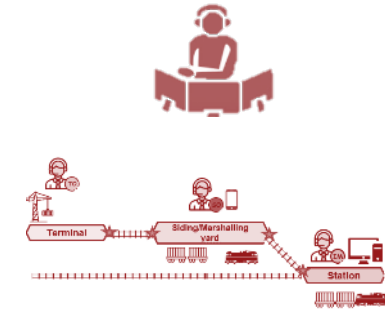


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# Insight to Supported Areas



# Traffic Mgt – areas of activities – ETM Network concept



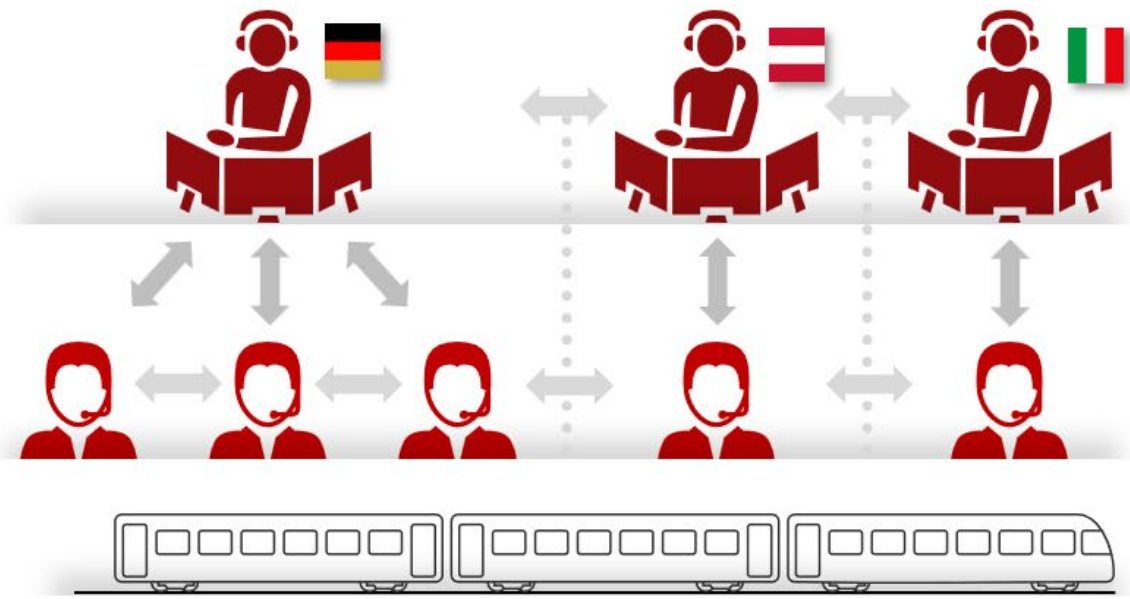
Management

Cooperation

# Traffic Management

## Example:

- Train from Munich (D) to Verona (I).
- Regional **traffic control centers** are involved in **each country**.
- They are under **surveillance** of **one** national traffic control center.
- **Cooperation** ongoing between **neighboring regional and national control centers**.

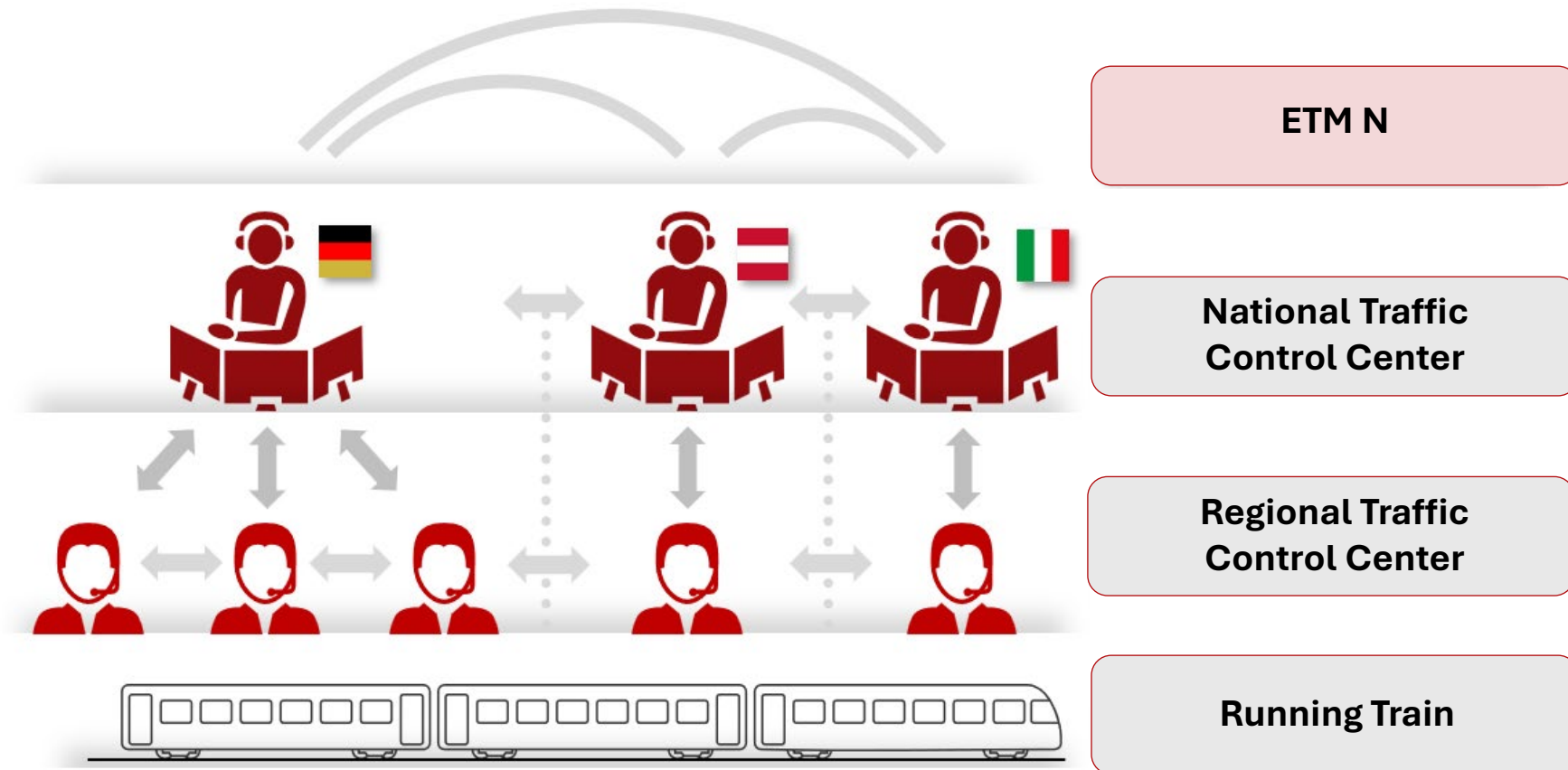


National Traffic  
Control Center

Regional Traffic  
Control Center

Running Train

# European Traffic Management Network concept



# Traffic Management – areas of activities – R-CDM

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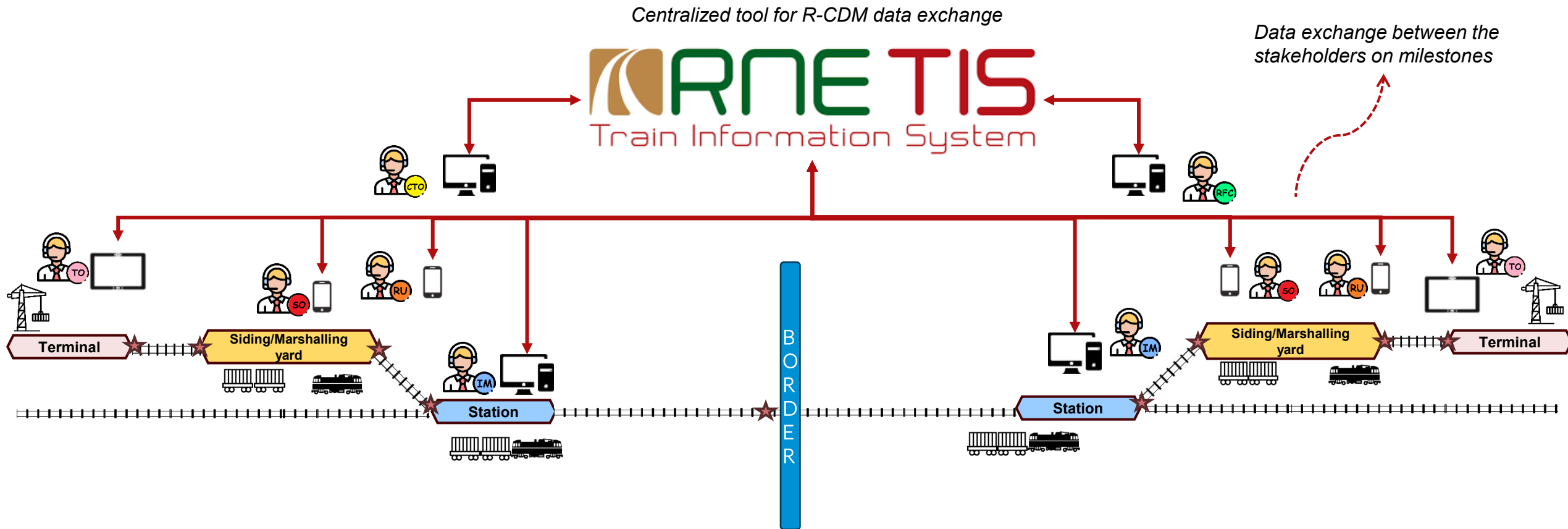


**Cooperation**

# Railway Collaborative Decision Making (R-CDM)

Different stakeholders – different devices – same interface

Data exchange with predefined messages



# Traffic Mgt – areas of activities – Language Programme

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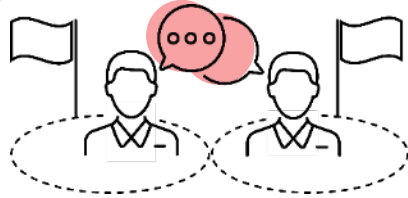


**Communication**

# Language Programme

*Find a **common and international solution** suitable for all environments in the sector to **overcome the language barrier**.*

1



**IM-IM communication  
at national level**

- **English-Speaking Dispatchers**

A2+  
24/7

One in every shift at NTCC

**T4R LT free speech**

2

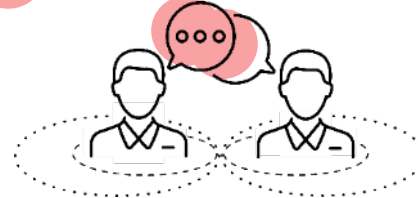


**IM-RU operational  
communication**

- **Language Tool(s)**
- **PDMs**

**T4R LT**

3



**IM-IM communication  
at regional level**

- **RNE RECOMI project**
- **Regional communication PDMs**

4

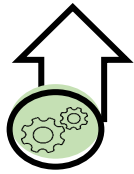


**RU-RU operational  
communication**

- **PDMs (UIC  
XBORDER project)**

**T4R LT PDMs**

# Language Tool – Meet required functionality / Gradual development / Reliability



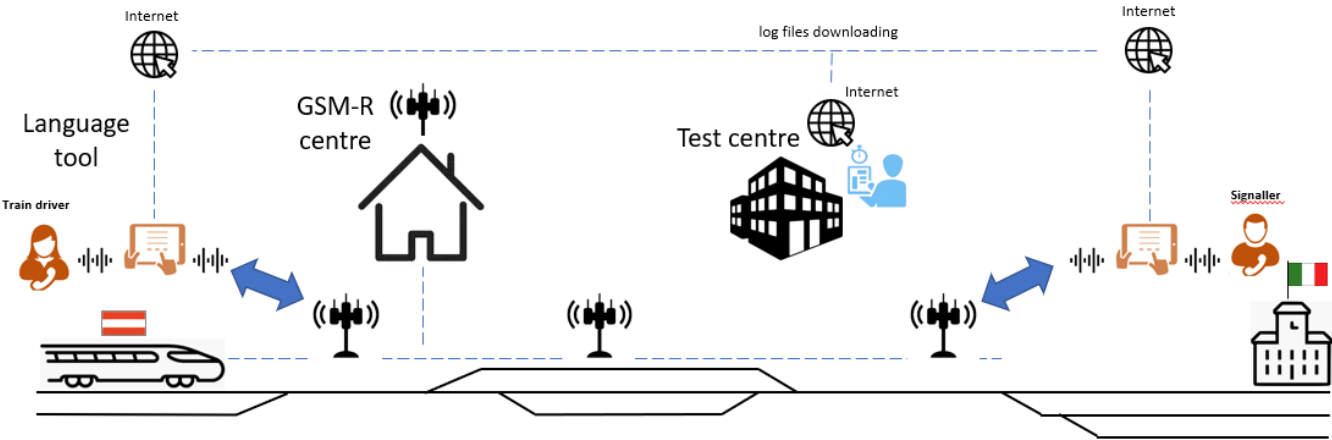
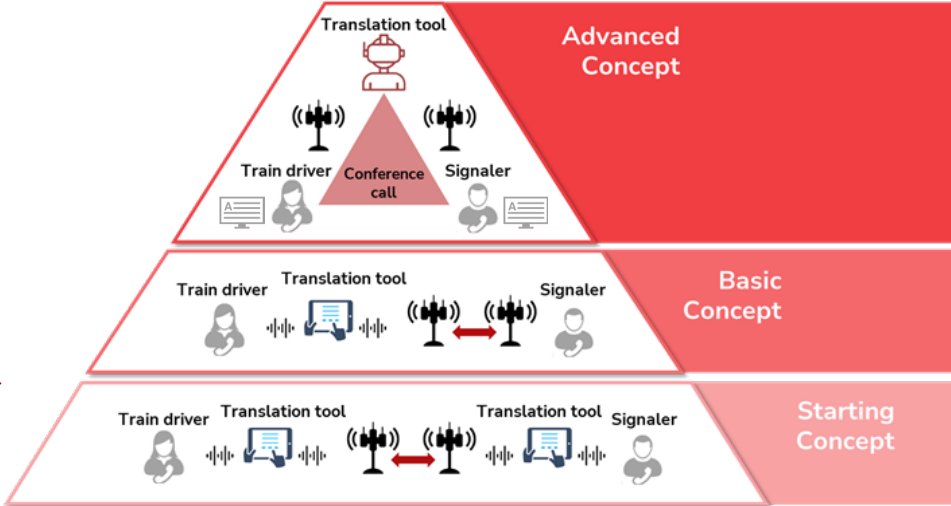
Improve interoperability



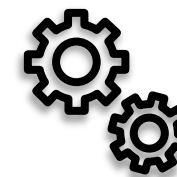
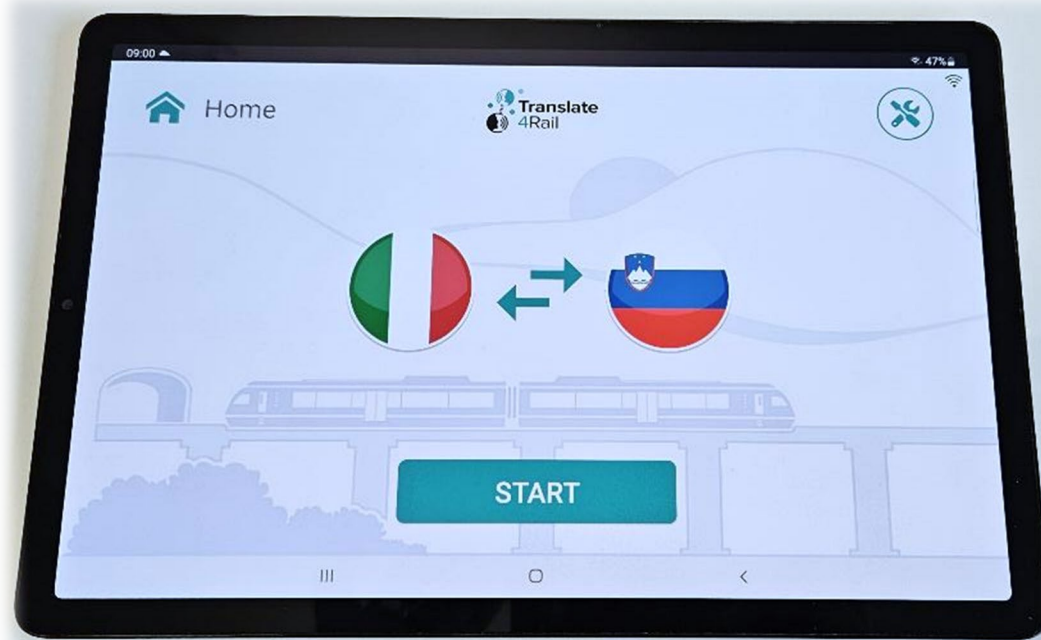
Keep the system safe



Lower costs



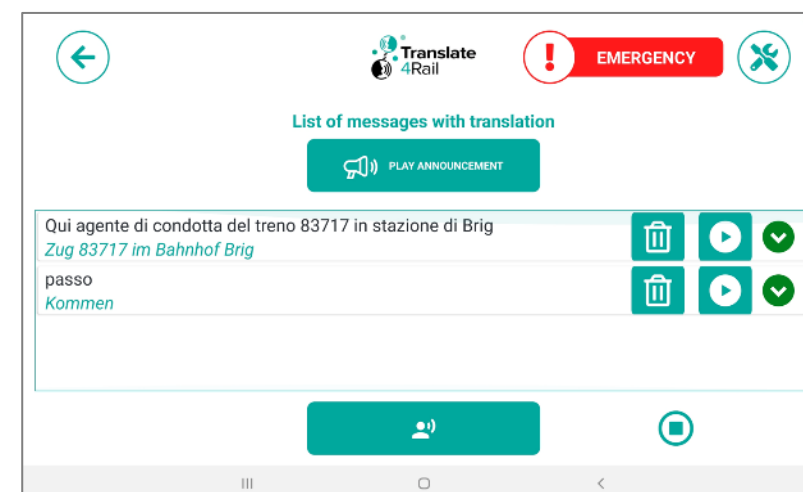
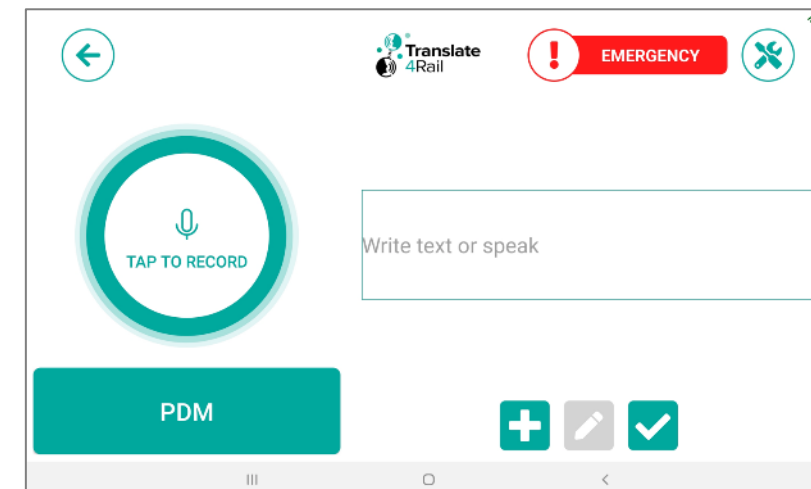
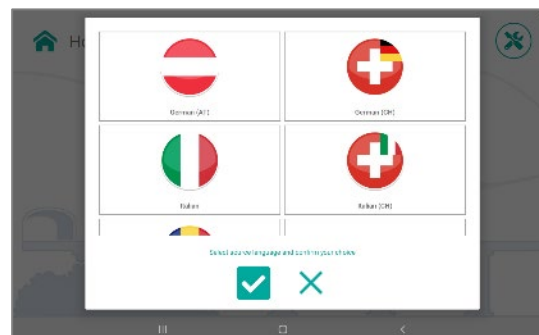
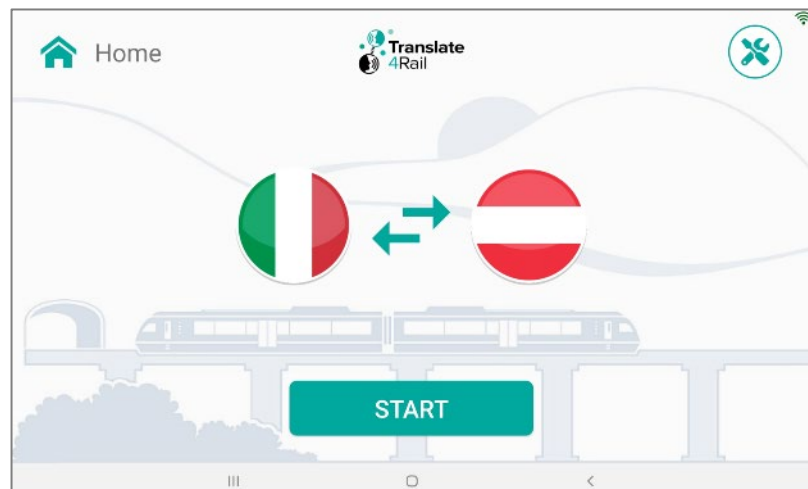
# LT Tablet: T4R LT prerequisites for installation



S2T / T2S

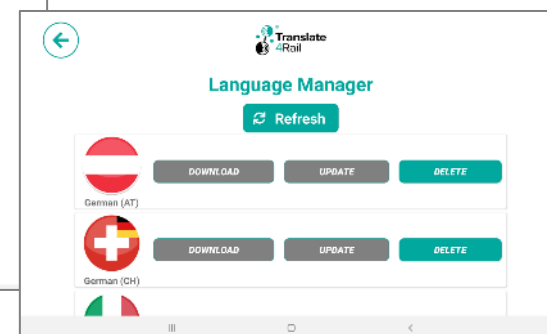
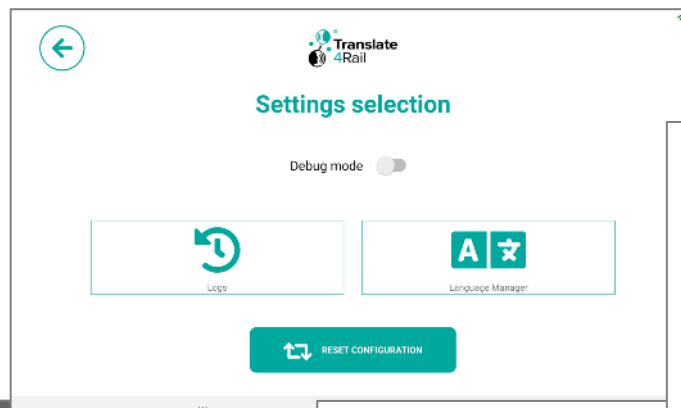
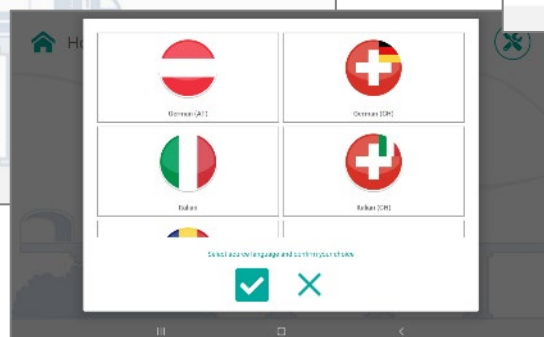
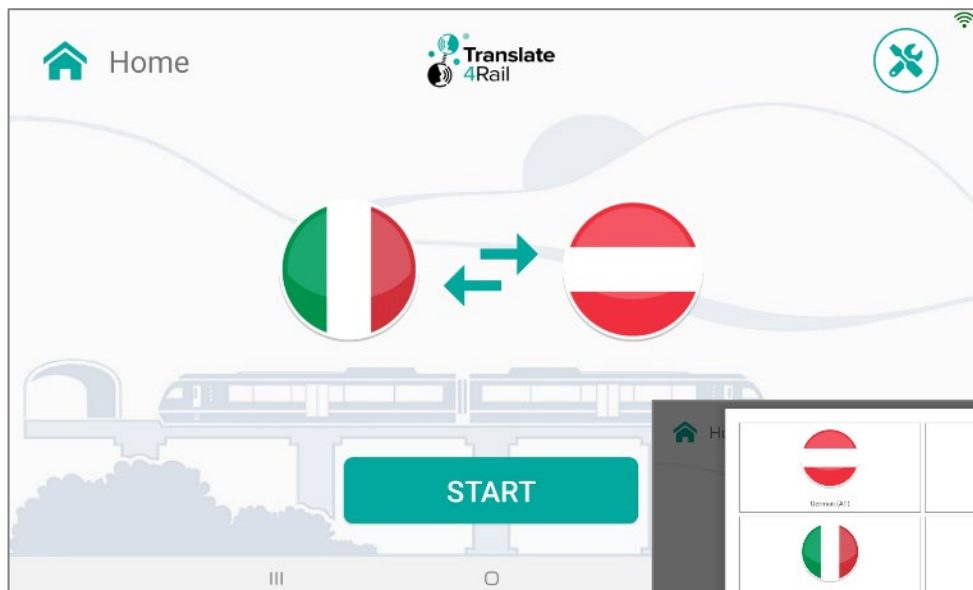


# LT Tablet: T4R LT – how the tool works... in a few steps...



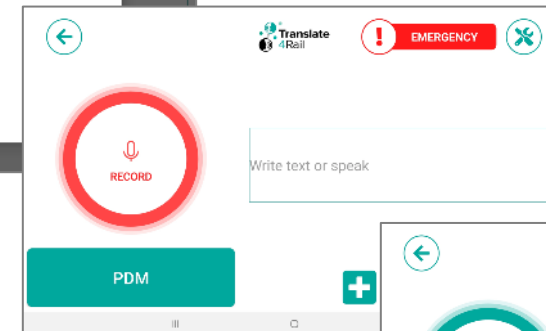
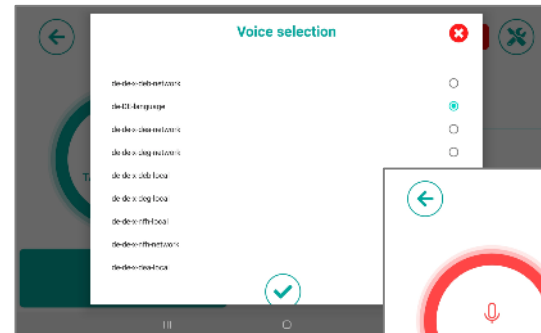
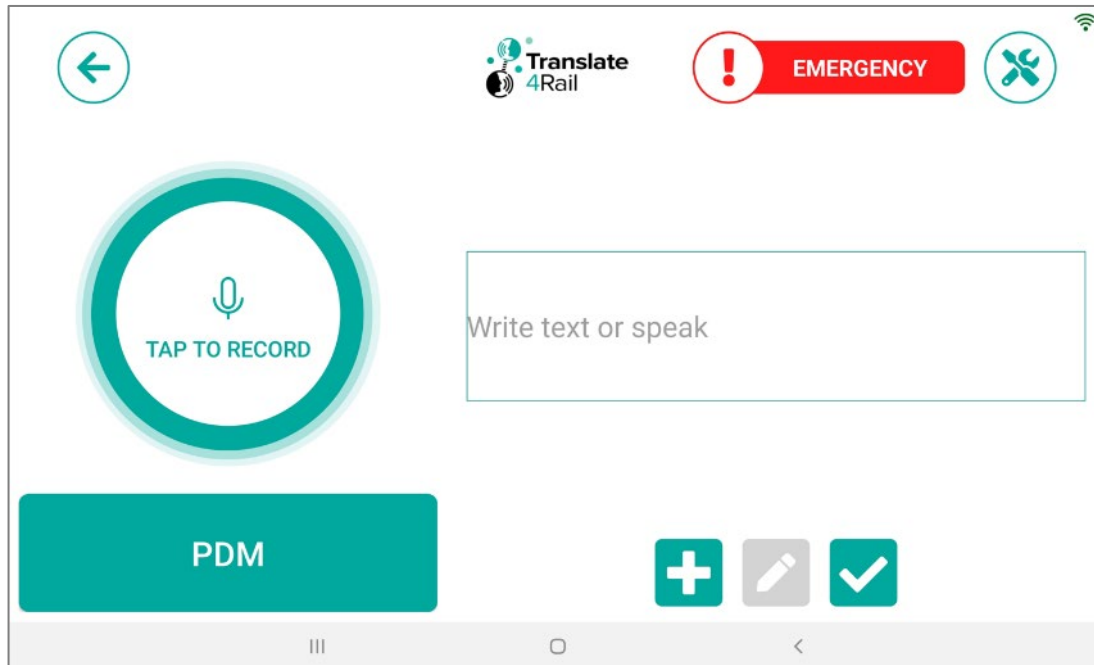
# LT Tablet: T4R LT Main Screen

- Language pair selection
- Settings – Logs & Language Manager
- Language database



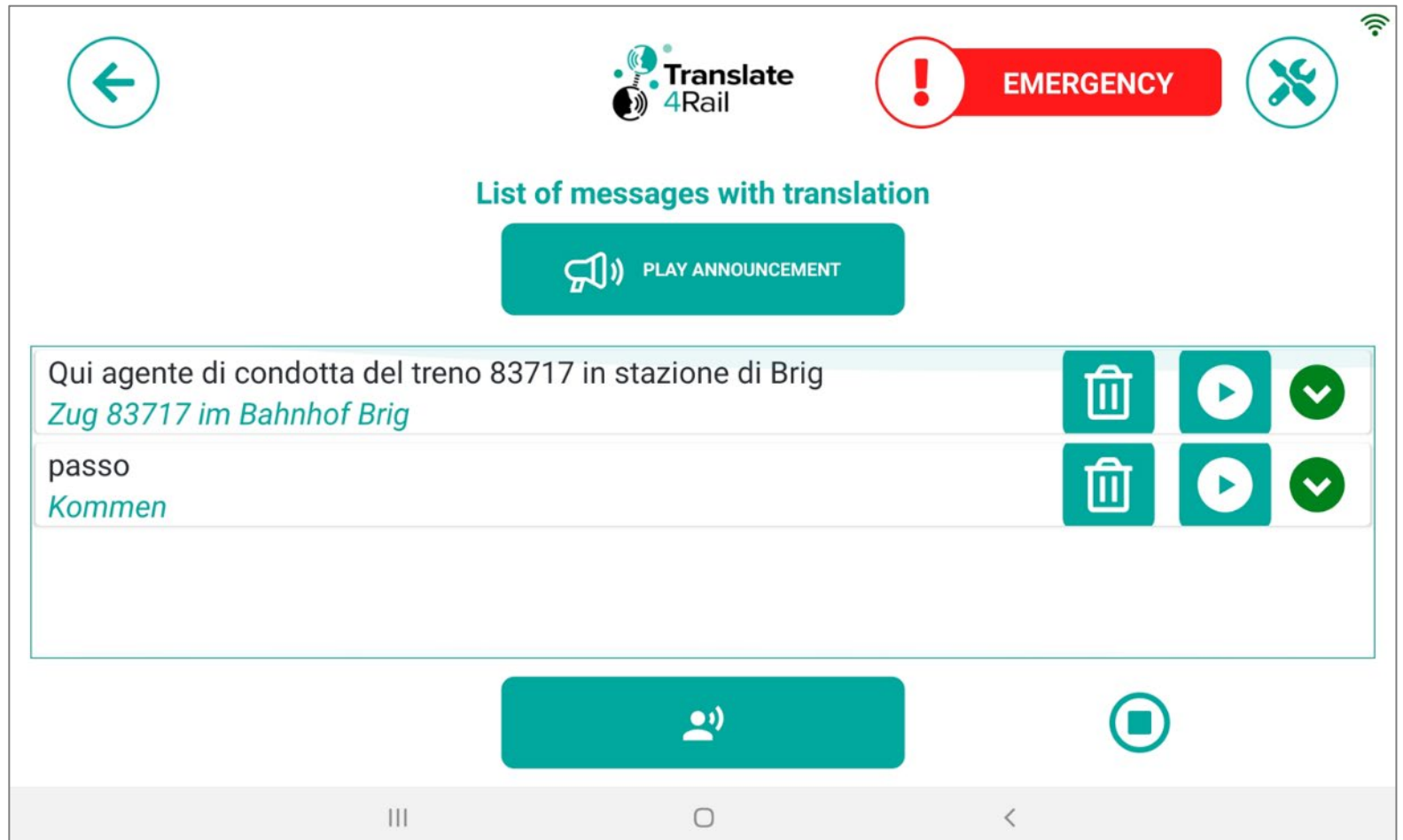
# LT Tablet: T4R LT Message Creation Screen

- Message creation (PDMs) – Voice recognition & Manual selection
- Message completion, adding, reordering, deleting...
- Voice selection



# T4R LT Translation Screen – Message Sending and Receiving

- Sending options
- Announce sending/arrival of message
- TSI OPE communication principle („Passo“ / „Kommen“ / „Over“)



# Areas for further improvement...

## Areas of interest...

- **Enhanced recognition of variables** in the „fixed“ messages
- **Higher accuracy** of recognition and translation
- Development of a free-speech **algorithm**
- **Transformation of the state of the art** of existing language tools
- Enhanced list of **predefined messages** for traffic managers
- Implementation of **new user functionalities**
- Supporting **Guidelines** and Training **videos**
- Addressing **NSAs, ERA & DG MOVE** on ‘Safety Opinion’.



# LT Tablet: Translate4Rail LT journey so far...



Enabling operational communication between a train driver and a traffic controller

**Pilot Italy - Austria**  
T4R LT tested



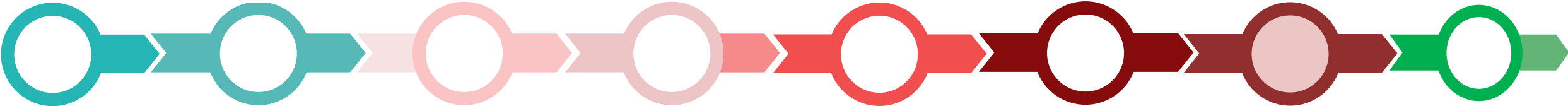
**Pilot Italy - Slovenia**  
T4R LT tested

**Italy – Switzerland**  
technical achievements

**T4RAIL IT - SI**

**T4R+**

*High interest and support from the sector*



2019 - 2021

2022 - 2023

2024 - 2026

2025 - 2027



**Operational communication in the field**  
(incl. railway jargon, variables, & constants)

Enhancing TSI OPE messages

**RNE/UIC internal budgets**



RNE and UIC are actively seeking for EU funding



CEF Transport Calls 2021 & 2023

# Contact

---



**Juraj Maliaček**

Team Leader Traffic Process  
Management & Deputy Head of TM

+43 664 884 248 16  
[juraj.maliacek@rne.eu](mailto:juraj.maliacek@rne.eu)

**RailNetEurope**  
Austria Campus 3  
Jakov-Lind-Straße 5  
1020 Vienna, Austria  
[www.rne.eu](http://www.rne.eu)

# Traffic Management – areas of activities – ETA Programme

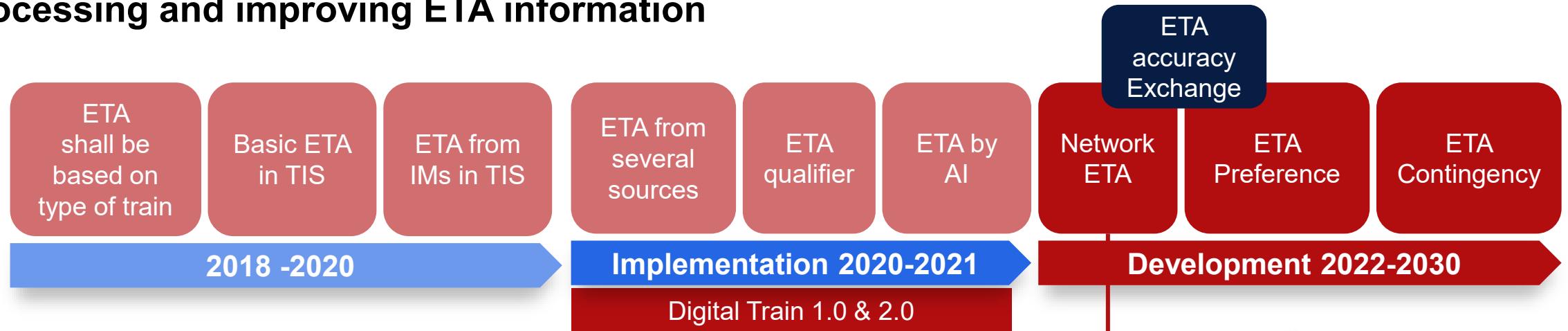
---



Predictions

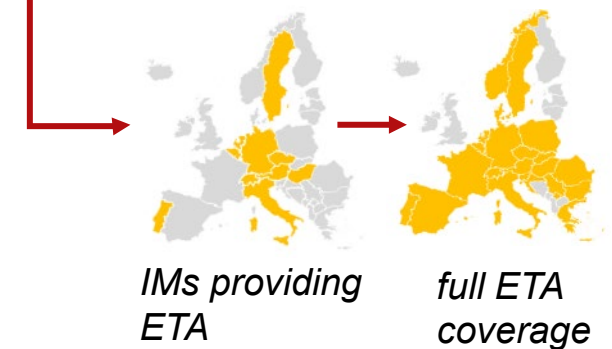
# Train Running Forecast (ETA)

## Processing and improving ETA information

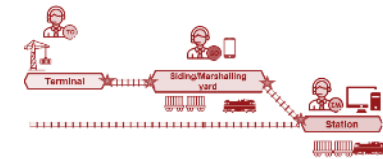


### Benefits

- Higher **efficiency** of **traffic** and **resource management**
- Predictions with accuracy indicator
- **Predictions** for IMs, RUS, Terminals
- **Several predictions** from **different recourses**



# Traffic Management – areas of activities – RNE TIS



**Cooperation**



**Communication**



**Predictions**



**Performance**

RailNetEurope

# Train Information System (TIS)



# Polling Questions

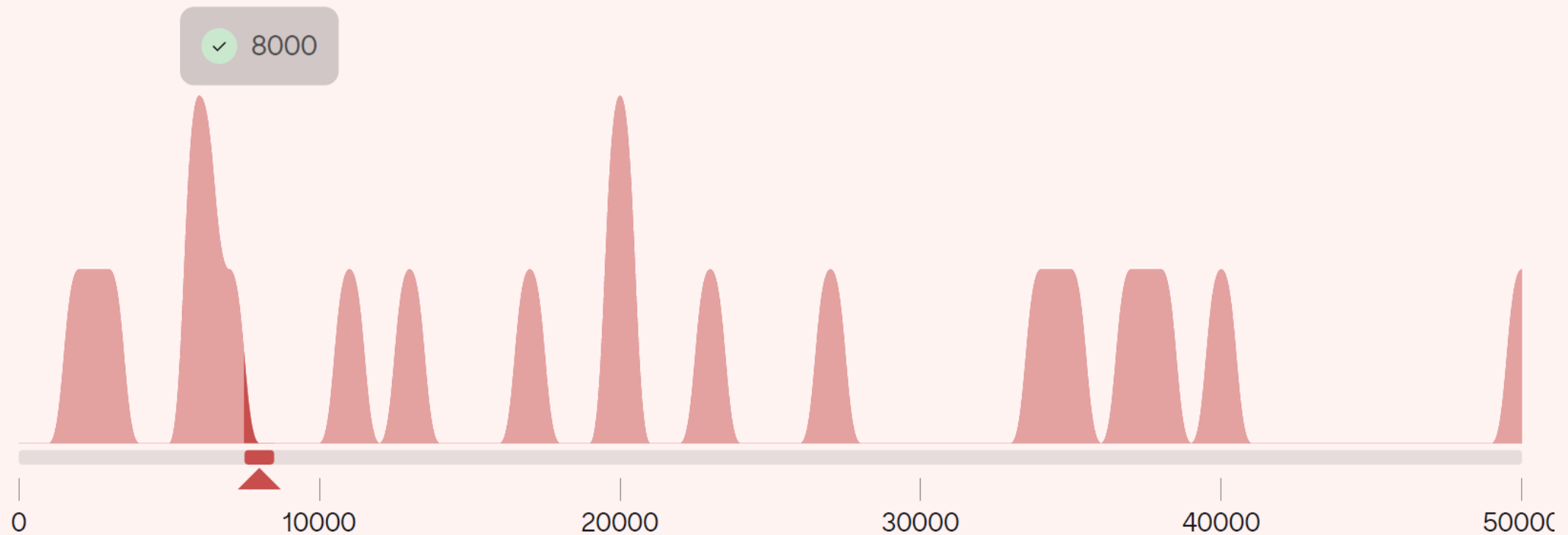
---

- What is the **average number** of **vessels docking** at **European ports** each day?
- What is the **average number** of **aircraft flying** between European countries each day?
- What is the **average number** of **trains monitored** by the **Train Information System** each day?

Scan QR Code  
to participate



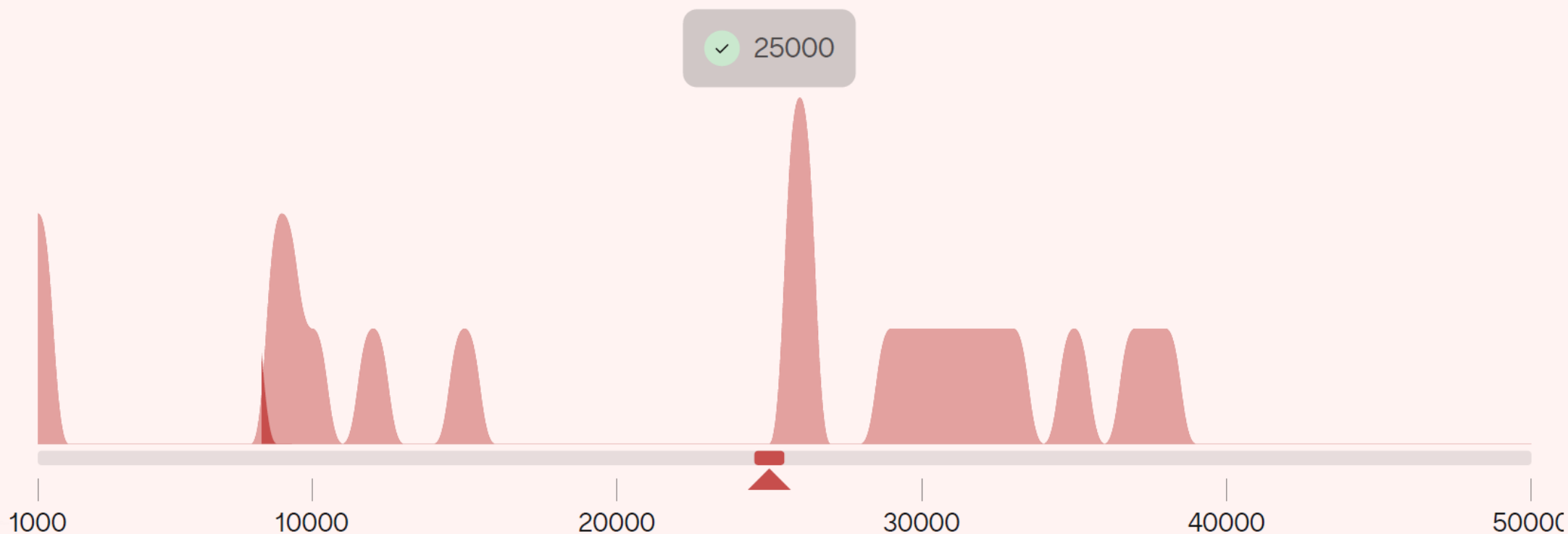
What is the **average number of vessels docking at European ports each day?**



5

18 / 18

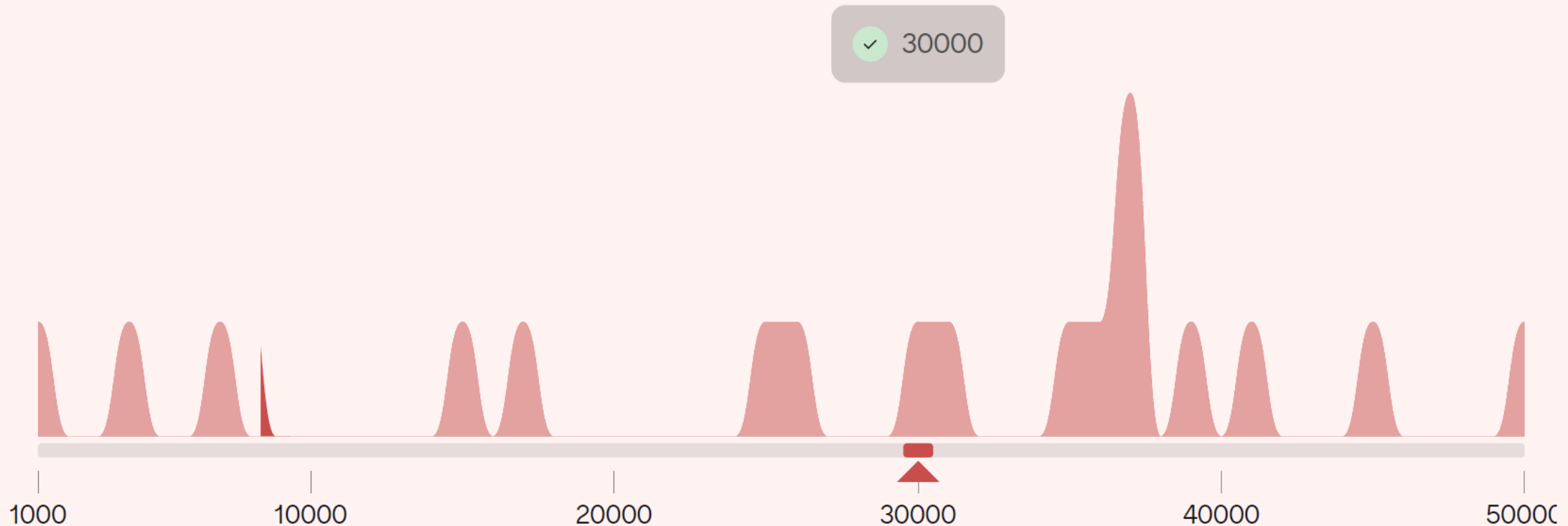
What is the **average number of aircraft flying** between European countries each day?



5

18 / 18

What is the **average number of trains monitored by the Train Information System** each day?



18 / 18



RailNetEurope

# 01 General Overview



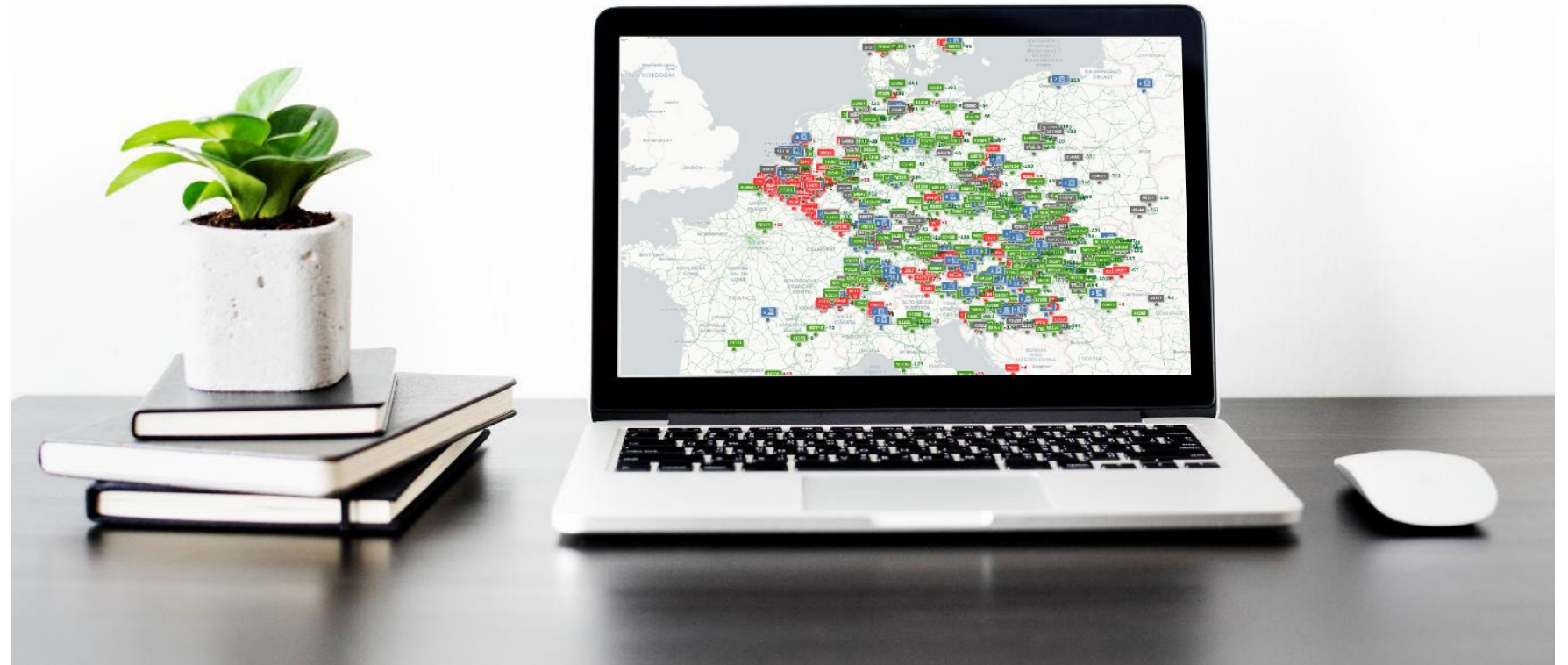
# General Overview

## Train Information System

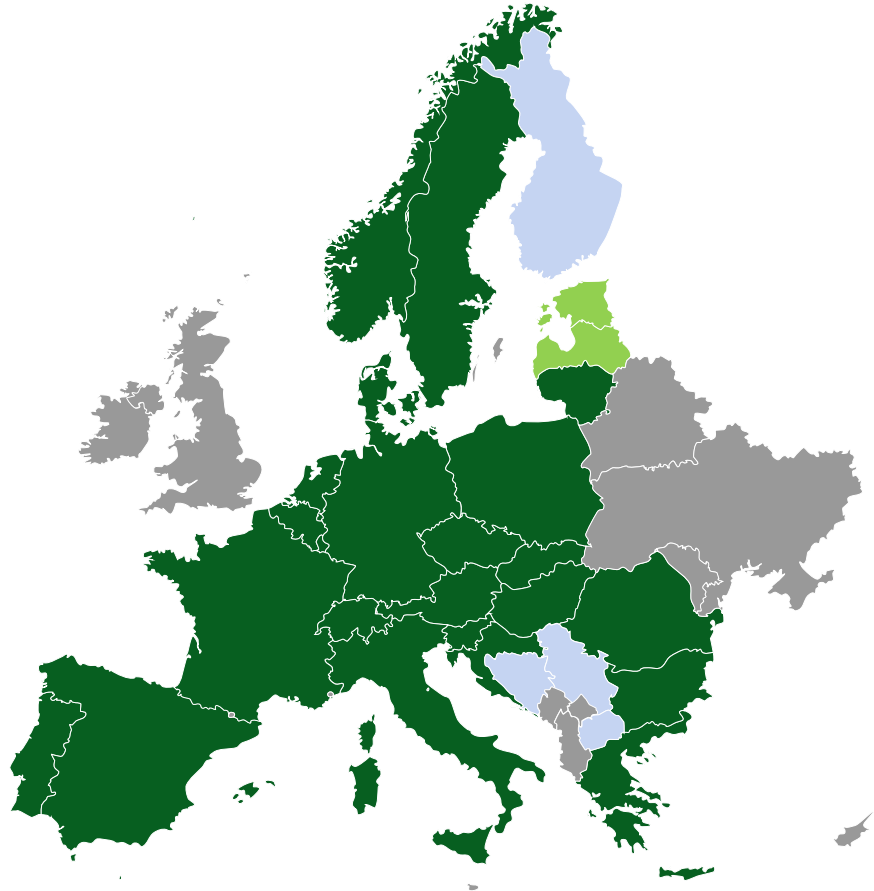
is a free of charge web-based access application that supports IMs, RUs and Terminals by providing real-time information for national and international trains

Over 10.000 railway professionals from 220 companies connect to

## Train Information System



# TIS Country Coverage



Already in TIS

Coming Soon

Could join in the future

# TIS Products & Services



## TIS Web

- Real time train monitoring
- Timetables, train delays, path cancelations
- Free of charge access to all stakeholders



## TIS Mobile

- Simplified version of TIS Web for mobile devices
- Compatible with and operational on every device
- Available on Play Store



## Train Driver App

- Train Drivers transmit data to TIS
- Improve the visibility and the accuracy of the trains
- Contribute to the overall data quality



## Data Exchange

- Secure TAF/TAP TSI data exchange through the Common Interface
- Identification of all train events under one unique Train ID



## Reporting

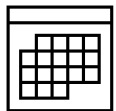
- Scheduled train performance reports
- Tailormade to match the business needs
- Possibility for reports per case

RailNetEurope

# 02 TIS Web



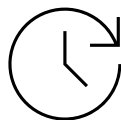
# Train Visibility



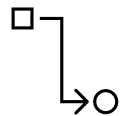
Timetable



Running  
Information



Forecast  
Information  
(ETA)



Delay  
Reasons

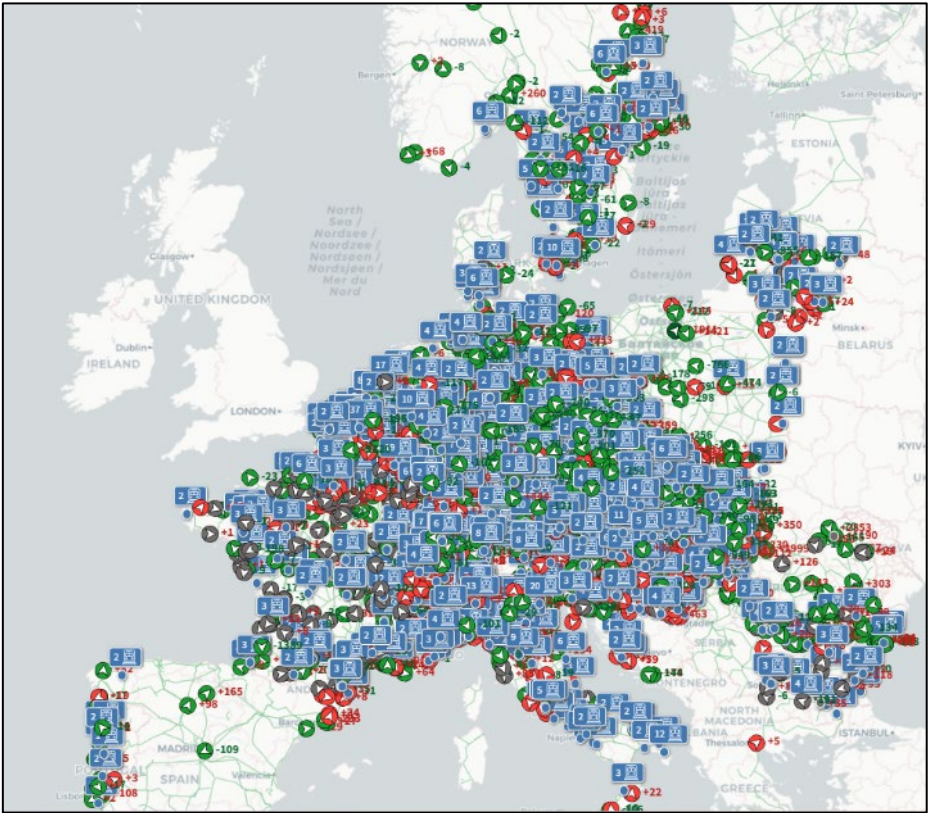


Distance  
Calculation

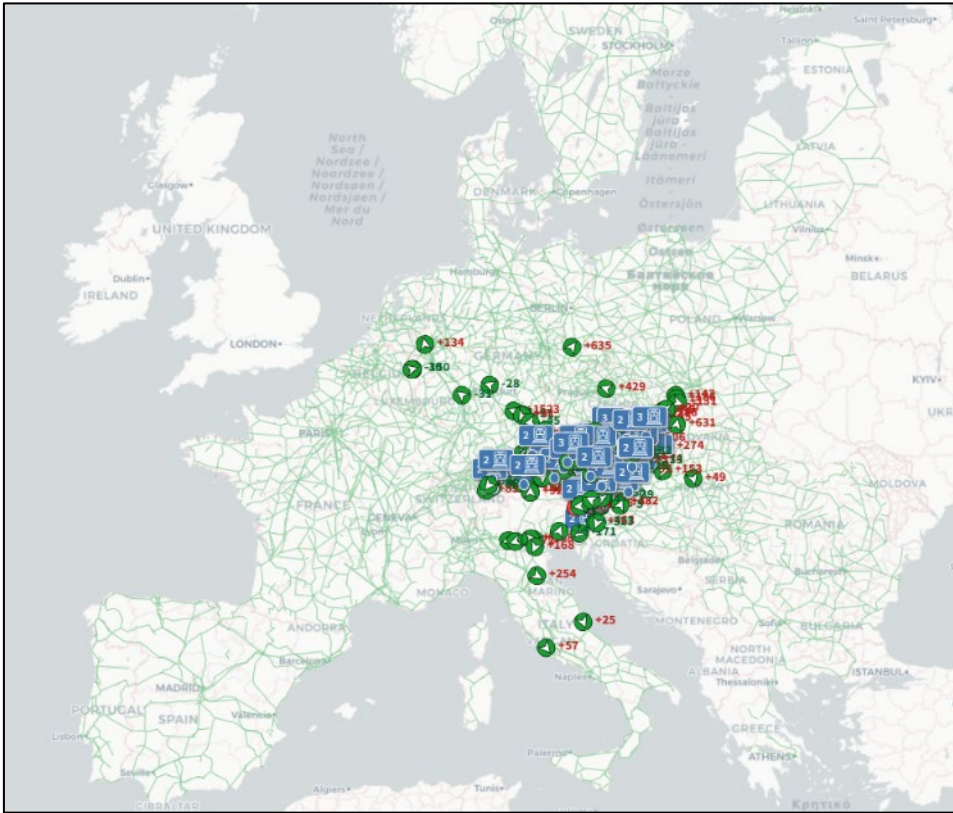


Speed  
calculation

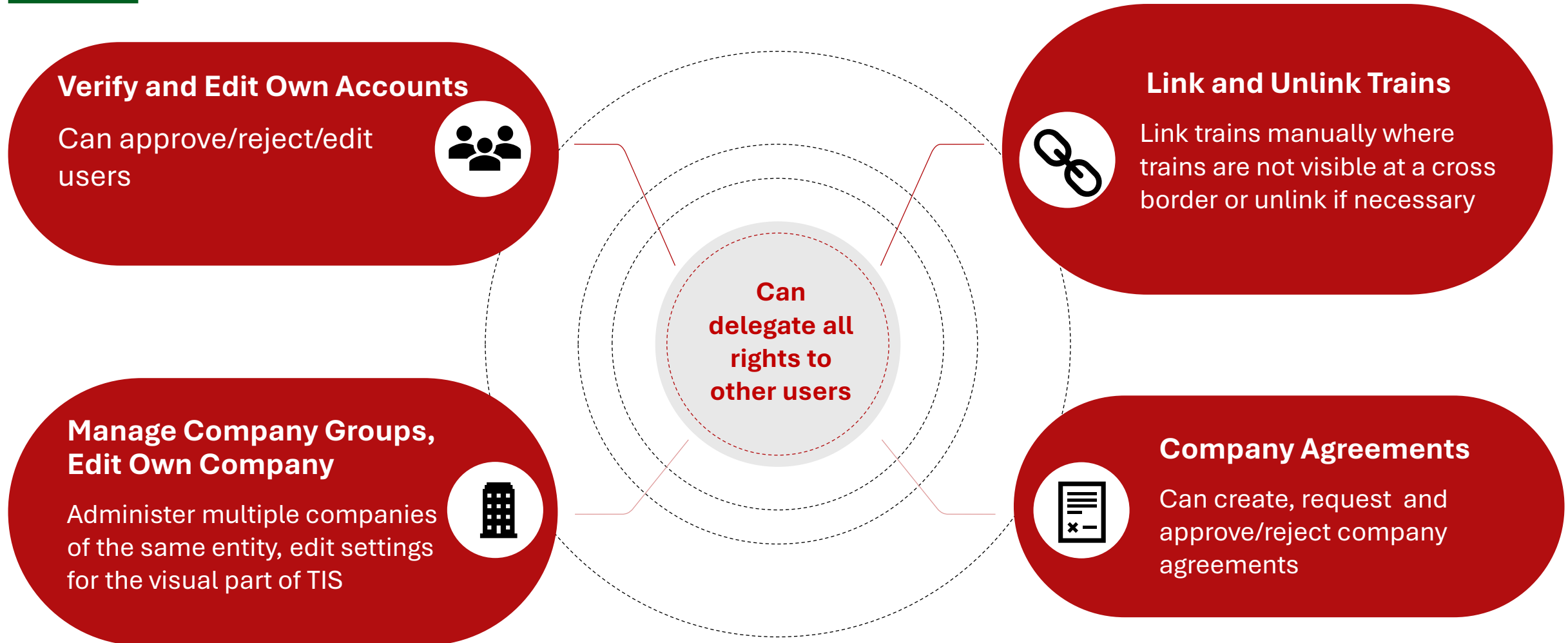
IM View



RU View



# Role: Company Administrator



# TIS Web Map Overview

Trains

Wagons and Containers

Diagrams

Configuration

Incident Management

Tasks

00:59:55

Contact

Help

Nektarios Zacharias

Train Search

Only Running

Maximum number of search results : 5000

Search Train Number

5000 Results

More results are available

90940 Rail Cargo Hungaria Zrt.

Details

|                |      |                 |                 |
|----------------|------|-----------------|-----------------|
| Sárszentmihály | →    | Székesfehérv... | Cellődmölk-R... |
| 26.06.2026     |      | 26.06.2026      | 26.06.2026      |
| 01:16          |      | 01:10           | 05:25           |
| 03:55          | +144 | 07:05           | +355            |
| 10:23          | +355 |                 |                 |

44507 DB Cargo AG

Details

|            |     |            |            |
|------------|-----|------------|------------|
| Neuss Gbf  | →   | Dillenburg | Dillenburg |
| 25.06.2026 |     | 25.06.2026 | 25.06.2026 |
| 00:17      |     | 02:39      | 02:39      |
| 08:09      | -60 | 11:28      | -67        |
| 11:28      | -67 |            |            |

65001 Rail Cargo Hungaria Zrt.

Details

|                |      |                  |                  |
|----------------|------|------------------|------------------|
| Záhony-Rend... | →    | Fényeslitke-D... | Fényeslitke-D... |
| 25.06.2026     |      | 25.06.2026       | 25.06.2026       |
| 23:15          |      | 23:37            | 23:37            |
| 11:31          | -704 | 12:03            | -694             |
| 12:03          | -694 |                  |                  |

27573, 14739 GYSEV CARGO Zrt.

Link-Search

Details

|               |      |                  |            |
|---------------|------|------------------|------------|
| Lőkösháza oh. | →    | Ferencváros N... | Szajol     |
| 25.06.2026    |      | 26.06.2026       | 26.06.2026 |
| 23:10         |      | 01:56            | 00:27      |
| 13:34         |      | 16:11            | -585       |
| 14:42         | -585 |                  |            |

712028, ... Captrain Polska Spotka 2 Ogranic...

Link-Search

Details

|            |   |                  |                  |
|------------|---|------------------|------------------|
| Rzepin     | → | Mataszewicze ... | Mataszewicze ... |
| 25.06.2026 |   | 26.06.2026       | 26.06.2026       |
| 23:01      |   | 11:09            | 11:09            |

Display Options

Map of Europe with train locations and status markers (green, red, blue circles with numbers and arrows).



# TIS Web Map Overview



Wagons and Containers



Diagrams



Configuration



Incident Management



Tasks

< Train Search   Only Running   Maximum number of search results : 5000

Search Train Number   5000 Results  

More results are available

**90940** Rail Cargo Hungaria Zrt.   [Details](#)

| Sárszentmihály    | → Székesfehérv... | 📍 Celldömölk-R... |
|-------------------|-------------------|-------------------|
| 26.06.2026        | 26.06.2026        | 26.06.2026        |
| 01:16             | 01:10             | 05:25             |
| <b>03:55 +144</b> | <b>07:05 +355</b> | <b>10:23 +355</b> |

**44507** DB Cargo AG   [Details](#)

| Neuss Gbf        | → Dillenburg     | 📍 Dillenburg     |
|------------------|------------------|------------------|
| 25.06.2026       | 25.06.2026       | 25.06.2026       |
| 00:17            | 02:39            | 02:39            |
| <b>08:09 -60</b> | <b>11:28 -67</b> | <b>11:28 -67</b> |

**65001** Rail Cargo Hungaria Zrt.   [Details](#)

| Záhony-Rend...    | → Fényeslitke-D... | 📍 Fényeslitke-D... |
|-------------------|--------------------|--------------------|
| 25.06.2026        | 25.06.2026         | 25.06.2026         |
| 23:15             | 23:37              | 23:37              |
| <b>11:31 -704</b> | <b>12:03 -694</b>  | <b>12:03 -694</b>  |



# TIS Web Map Overview

< Train Search

Only Running

Maximum number of search results : 5000

Search Train Number

5000 Results 

More results are available

90940 Rail Cargo Hungaria Zrt.

Details

|                |                   |                   |
|----------------|-------------------|-------------------|
| Sárszentmihály | → Székesfehérv... | 📍 Celldömölk-R... |
| 26.06.2026     | 26.06.2026        | 26.06.2026        |
| 01:16          | 01:10             | 05:25             |
| 03:55 +144     | 07:05 +355        | 10:23 +355        |

44507 DB Cargo AG

Details

|            |              |              |
|------------|--------------|--------------|
| Neuss Gbf  | → Dillenburg | 📍 Dillenburg |
| 25.06.2026 | 25.06.2026   | 25.06.2026   |
| 00:17      | 02:39        | 02:39        |



# TIS Web Map Overview



Trains



Wagons and Containers



Diagrams



Configuration



Incident Management



Tasks

[< Train Search](#) Only Running Maximum number of search results : 5000

5000 Results [Download](#)

More results are available

**90940** Rail Cargo Hungaria Zrt. [Details](#)

| Sárszentmihály | → Székesfehérv... | 📍 Celldömölk-R... |
|----------------|-------------------|-------------------|
| 26.06.2026     | 26.06.2026        | 26.06.2026        |
| 01:16          | 01:10             | 05:25             |
| 03:55 +144     | 07:05 +355        | 10:23 +355        |

**44507** DB Cargo AG [Details](#)

| Neuss Gbf  | → Dillenburg | 📍 Dillenburg |
|------------|--------------|--------------|
| 25.06.2026 | 25.06.2026   | 25.06.2026   |
| 00:17      | 02:39        | 02:39        |
| 08:09 -60  | 11:28 -67    | 11:28 -67    |

**65001** Rail Cargo Hungaria Zrt. [Details](#)

| Záhony-Rend... | → Fényeslitke-D... | 📍 Fényeslitke-D... |
|----------------|--------------------|--------------------|
| 25.06.2026     | 25.06.2026         | 25.06.2026         |
| 23:15          | 23:37              | 23:37              |
| 11:31 -704     | 12:03 -694         | 12:03 -694         |



# TIS Web Train Search



Search

Reset

☐ Only Running

Train Number

42862

From Date

20.06.2026 00:00

To Date

21.06.2026 23:59

From Location

To Location

☐ Search in both directions

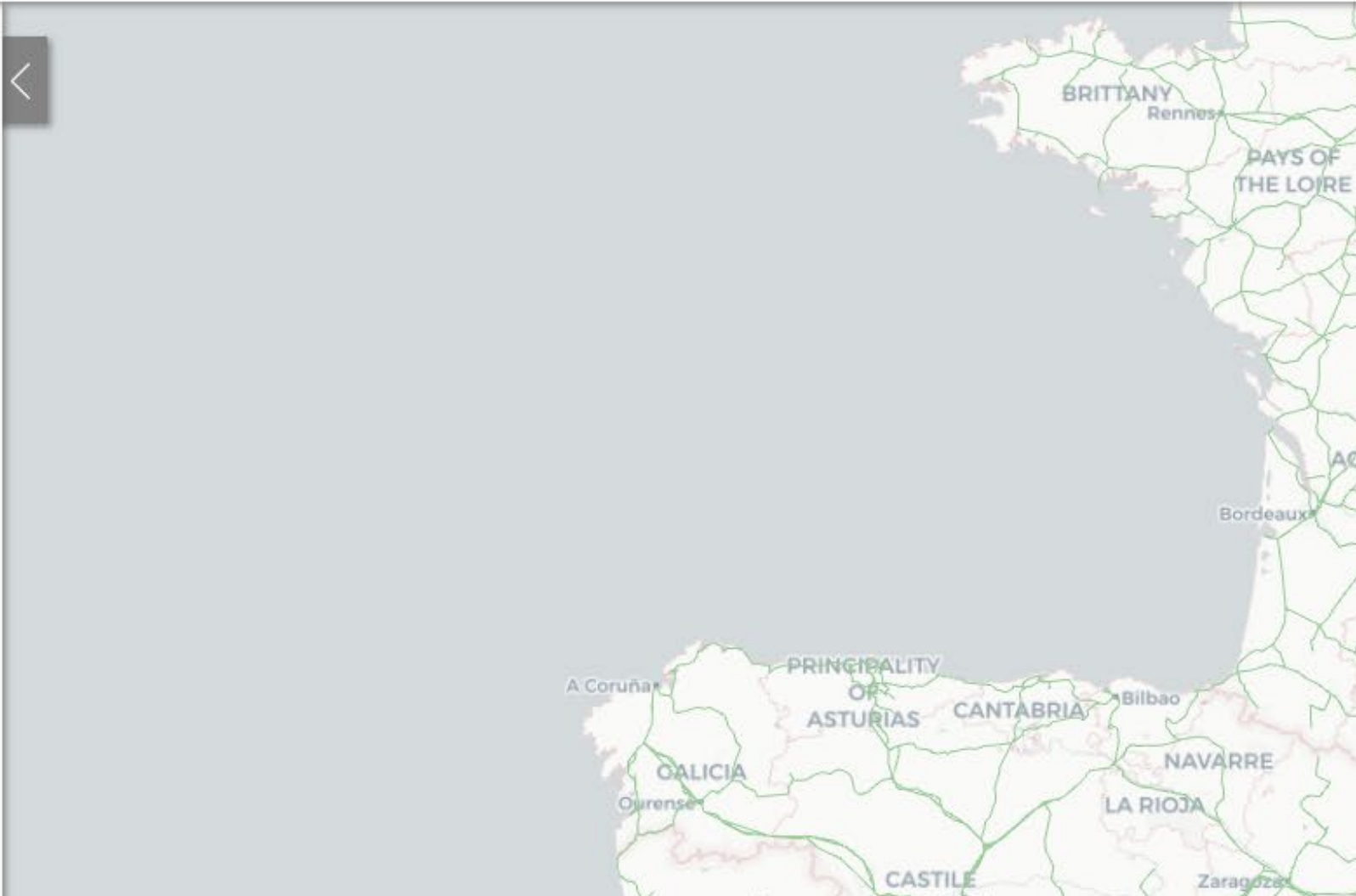
Location on path

☐ All specified locations must be present in train run

Train Properties

Train Type

Maximum number of search results



From Location

To Location

☐ Search in both directions

Location on path

☐ All specified locations must be present in train run

Train Properties

Train Type

Maximum number of search results

1000

Infrastructure Manager

Railway Undertaking

☒ Train Compositions  
☒ Dangerous Goods

> Location & Linking

> Timing

> Incident

> Saved search filters



# TIS Web Train Search

Trains
Wagons and Containers
Diagrams
Configuration
Incident Management
Tasks

00:59:56

Contact Help Nektarios Zacharias

Train and Map

42802, 42862, 42863

Medway - operador ferroviário et logístico de mercadorias sa sucursal en Espana

More Details

| Entroncamento                 | ZARAGOZA-PLAZA                 | ZARAGOZA-PLAZA                 |
|-------------------------------|--------------------------------|--------------------------------|
| 20.06.2026                    | 21.06.2026                     | 21.06.2026                     |
| 08:00<br>Planned              | 16:42<br>Planned               | 16:42<br>Planned               |
| 08:03 <sup>+3</sup><br>Actual | 16:52 <sup>+10</sup><br>Actual | 16:52 <sup>+10</sup><br>Actual |

Route

|                      | Planned | Actual              | ETA                 |
|----------------------|---------|---------------------|---------------------|
| Entroncamento        | 08:00   | 08:03 <sup>+3</sup> |                     |
| Lamarosa             | 08:07   | 08:10 <sup>+3</sup> |                     |
| Fungalvaz Resguardo  | 08:12   | 08:16 <sup>+3</sup> | 08:14 <sup>+2</sup> |
| Chão de Maças-Fátima | 08:17   | 08:20 <sup>+3</sup> | 08:17 <sup>+0</sup> |
| Caxarias             | 08:23   | 08:26 <sup>+3</sup> |                     |
| Albergaria dos Doze  | 08:30   | 08:32 <sup>+2</sup> | 08:30 <sup>+0</sup> |
| Vermoil              | 08:37   | 08:40 <sup>+2</sup> | 08:37 <sup>+0</sup> |
| Pombal               | 08:43   | 08:45 <sup>+2</sup> | 08:44 <sup>+1</sup> |
| Soure                | 08:53   | 08:54 <sup>+1</sup> | 08:53 <sup>+0</sup> |

Map



RNE TIS  
Train Information System



# TIS Web Train Details

- Details
- Forecasts
- Incidents
- Statistics
- Chat
- Linking
- Geopositioning
- Train Compositions

International Train Number  
**42802, 42862**  
National Train Numbers  
**42862, 42863**

Actual Location

**ZARAGOZA-PLAZA**

21.06.2026 16:52 **+10 min**

From

**Entroncamento**

20.06.2026 08:00

To

**ZARAGOZA-PLAZA**

21.06.2026 16:42

Planned Distance

**1.090,10 km**

Actual Distance

**1.090,10 km**

Train Type

**International Freight**

Last Update

**21.06.2026 16:52**

  
17





Train Identifier

**TR.2194.042863260620.00.2026.20260620**

Other Train Identifiers

+

| Location               | Planned |            |       | Actual |            |       |  | Delta          | Delay Reason | OTN   | Infrastructure Manager           | Railway Undertaking | Forecast   |       |            |
|------------------------|---------|------------|-------|--------|------------|-------|--|----------------|--------------|-------|----------------------------------|---------------------|------------|-------|------------|
|                        | Status  | Date       | Time  | Status | Date       | Time  |  |                |              |       |                                  |                     | Date       | Time  | Actual Dis |
| MARCELA DE NAVARRA     | ↓       | 21.06.2026 | 15:00 | ↓      | 21.06.2026 | 15:20 |  | <b>+20 min</b> |              | 42862 | Administrador de Infraestruct... |                     | 21.06.2026 | 15:09 | 1,90 km    |
| VILLAFRANCA DE NAVARRA | ↓       | 21.06.2026 | 15:06 | ↓      | 21.06.2026 | 15:25 |  | <b>+19 min</b> |              | 42862 | Administrador de Infraestruct... |                     | 21.06.2026 | 15:21 | 6,50 km    |
| CASTEJON DE EBRO       | ↓       | 21.06.2026 | 15:17 | ↓      | 21.06.2026 | 15:36 |  | <b>+19 min</b> |              | 42862 | Administrador de Infraestruct... |                     | 21.06.2026 | 15:35 | 13,20 km   |
| TUDELA DE NAVARRA      | ↓       | 21.06.2026 | 15:29 | ↓      | 21.06.2026 | 15:51 |  | <b>+22 min</b> |              | 42862 | Administrador de Infraestruct... |                     | 21.06.2026 | 15:46 | 16,30 km   |
| RIBAFORADA             | ↓       | 21.06.2026 | 15:37 | ↓      | 21.06.2026 | 15:58 |  | <b>+21 min</b> |              | 42862 | Administrador de Infraestruct... |                     | 21.06.2026 | 15:53 | 10,00 km   |
| CORTES DE NAVARRA      | ↓       | 21.06.2026 | 15:47 | ↓      | 21.06.2026 | 16:06 |  | <b>+19 min</b> |              | 42862 | Administrador de Infraestruct... |                     | 21.06.2026 | 16:06 | 12,10 km   |
| CORTES DE NAVARRA      | ↓       | 21.06.2026 | 15:47 | ↓      | 21.06.2026 | 16:06 |  | <b>+19 min</b> |              | 42862 | Administrador de Infraestruct... |                     | 21.06.2026 | 16:06 |            |
| LUCENI                 | ↓       | 21.06.2026 | 15:59 | ↓      | 21.06.2026 | 16:19 |  | <b>+20 min</b> | 32 (1)       | 42862 | Administrador de Infraestruct... |                     | 21.06.2026 | 16:16 | 17,80 km   |
| CABAÑAS DE EBRO        | ↓       | 21.06.2026 | 16:04 | ↓      | 21.06.2026 | 16:24 |  | <b>+20 min</b> |              | 42862 | Administrador de Infraestruct... |                     | 21.06.2026 | 16:22 | 7,60 km    |
| ALAGON                 | ↓       | 21.06.2026 | 16:08 | ↓      | 21.06.2026 | 16:27 |  | <b>+19 min</b> |              | 42862 | Administrador de Infraestruct... |                     |            |       | 5,10 km    |
| CASETAS                | ↓       | 21.06.2026 | 16:17 | ↓      | 21.06.2026 | 16:33 |  | <b>+16 min</b> |              | 42862 | Administrador de Infraestruct... |                     | 21.06.2026 | 16:38 | 9,40 km    |
| CASETAS                | ↓       | 21.06.2026 | 16:18 | ↓      | 21.06.2026 | 16:33 |  | <b>+15 min</b> |              | 42862 | Administrador de Infraestruct... |                     |            |       |            |
| C.I.M. DE ZARAGOZA     | ↓       | 21.06.2026 | 16:25 | ↓      | 21.06.2026 | 16:40 |  | <b>+15 min</b> |              | 42862 | Administrador de Infraestruct... |                     | 21.06.2026 | 16:47 | 8,10 km    |
| CIM-AGUJA KM. 0,7      | ↓       | 21.06.2026 | 16:29 | ↓      | 21.06.2026 | 16:42 |  | <b>+13 min</b> |              | 42862 | Administrador de Infraestruct... |                     | 21.06.2026 | 16:43 | 1,50 km    |

# TIS Web Train Details

- Details
- Forecasts
- Incidents
- Statistics
- Chat
- Linking
- Geopositioning
- Train Compositions

International Train Number  
**42802, 42862**  
National Train Numbers  
**42862, 42863**

Actual Location  
**ZARAGOZA-PLAZA**  
21.06.2026 16:52 **+10 min**

From  
**Entroncamento** 20.06.2026 08:00  
To  
**ZARAGOZA-PLAZA** 21.06.2026 16:42

Planned Distance  
**1.090,10 km**  
Actual Distance  
**1.090,10 km**

Train Type  
**International Freight**  
Last Update  
**21.06.2026 16:52**

  
17  
  


Train Identifier  
**TR.2194.042863260620.00.2026.20260620**  
Other Train Identifiers

+

|                        | Layout: |            |       |        |            |       |         |              |                                                                                       |                        |                                  |      |            |            |          |
|------------------------|---------|------------|-------|--------|------------|-------|---------|--------------|---------------------------------------------------------------------------------------|------------------------|----------------------------------|------|------------|------------|----------|
|                        | Planned |            |       | Actual |            |       |         |              | Forecast                                                                              |                        |                                  |      |            |            |          |
| Location               | Status  | Date       | Time  | Status | Date       | Time  | Delta   | Delay Reason | OTN                                                                                   | Infrastructure Manager | Railway Undertaking              | Date | Time       | Actual Dis |          |
| MARCELA DE NAVARRA     | ↓       | 21.06.2026 | 15:00 | ↓      | 21.06.2026 | 15:20 | +20 min |              |    | 42862                  | Administrador de Infraestruct... |      | 21.06.2026 | 15:09      | 1,90 km  |
| VILLAFRANCA DE NAVARRA | ↓       | 21.06.2026 | 15:06 | ↓      | 21.06.2026 | 15:25 | +19 min |              |    | 42862                  | Administrador de Infraestruct... |      | 21.06.2026 | 15:21      | 6,50 km  |
| CASTEJON DE EBRO       | ↓       | 21.06.2026 | 15:17 | ⤵      | 21.06.2026 | 15:36 | +19 min |              |    | 42862                  | Administrador de Infraestruct... |      | 21.06.2026 | 15:35      | 13,20 km |
| TUDELA DE NAVARRA      | ↓       | 21.06.2026 | 15:29 | ↓      | 21.06.2026 | 15:51 | +22 min |              |    | 42862                  | Administrador de Infraestruct... |      | 21.06.2026 | 15:46      | 16,30 km |
| RIBAFORADA             | ↓       | 21.06.2026 | 15:37 | ↓      | 21.06.2026 | 15:58 | +21 min |              |    | 42862                  | Administrador de Infraestruct... |      | 21.06.2026 | 15:53      | 10,00 km |
| CORTES DE NAVARRA      | ↓       | 21.06.2026 | 15:47 | ↓      | 21.06.2026 | 16:06 | +19 min |              |   | 42862                  | Administrador de Infraestruct... |      | 21.06.2026 | 16:06      | 12,10 km |
| CORTES DE NAVARRA      | ↓       | 21.06.2026 | 15:47 | ↓      | 21.06.2026 | 16:06 | +19 min |              |  | 42862                  | Administrador de Infraestruct... |      | 21.06.2026 | 16:06      |          |
| LUCENI                 | ↓       | 21.06.2026 | 15:59 | ↓      | 21.06.2026 | 16:19 | +20 min | 32 (1)       |  | 42862                  | Administrador de Infraestruct... |      | 21.06.2026 | 16:16      | 17,80 km |
| CABAÑAS DE EBRO        | ↓       | 21.06.2026 | 16:04 | ↓      | 21.06.2026 | 16:24 | +20 min |              |  | 42862                  | Administrador de Infraestruct... |      | 21.06.2026 | 16:22      | 7,60 km  |
| ALAGON                 | ↓       | 21.06.2026 | 16:08 | ↓      | 21.06.2026 | 16:27 | +19 min |              |  | 42862                  | Administrador de Infraestruct... |      |            |            | 5,10 km  |
| CASETAS                | ↓       | 21.06.2026 | 16:17 | ↓      | 21.06.2026 | 16:33 | +16 min |              |  | 42862                  | Administrador de Infraestruct... | I    | 21.06.2026 | 16:38      | 9,40 km  |
| CASETAS                | ⤵       | 21.06.2026 | 16:18 | ⤵      | 21.06.2026 | 16:33 | +15 min |              |  | 42862                  | Administrador de Infraestruct... | I    |            |            |          |
| C.I.M. DE ZARAGOZA     | ↓       | 21.06.2026 | 16:25 | ↓      | 21.06.2026 | 16:40 | +15 min |              |  | 42862                  | Administrador de Infraestruct... |      | 21.06.2026 | 16:47      | 8,10 km  |
| CIM-AGUJA KM. 0,7      | ↓       | 21.06.2026 | 16:29 | ↓      | 21.06.2026 | 16:42 | +13 min |              |  | 42862                  | Administrador de Infraestruct... |      | 21.06.2026 | 16:43      | 1,50 km  |

# TIS Web Train Details

DetailsForecastsIncidentsStatisticsChatLinkingGeopositioningTrain Compositions

International Train Number  
**42802, 42862**  
National Train Numbers  
**42862, 42863**

Actual Location  
**ZARAGOZA-PLAZA**  
21.06.2026 16:52 **+10 min**

From  
**Entroncamento** 20.06.2026 08:00  
To  
**ZARAGOZA-PLAZA** 21.06.2026 16:42

Planned Distance  
**1.090,10 km**  
Actual Distance  
**1.090,10 km**

Train Type  
**International Freight**  
Last Update  
**21.06.2026 16:52**

 **17**

Train Identifier  
**TR.2194.042863260620.00.2026.20260620**  
Other Train Identifiers

Locomotives and Wagons

| Position | Type                                                                                | Number       | Dangerous goods labels                                                                                                                                                                 |
|----------|-------------------------------------------------------------------------------------|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ▶        |    | 909406447252 |                                                                                                                                                                                        |
| ▶        |    | 909406447153 |                                                                                                                                                                                        |
| ▶ 1      |    | 437143781874 |                                                                                                                                                                                        |
| ▶ 2      |    | 437143780041 |                                                                                                                                                                                        |
| ▶ 3      |    | 348749601574 |                                                                                                                                                                                        |
| ▶ 4      |    | 329449610115 |                                                                                                                                                                                        |
| ▶ 5      |    | 329449610032 |                                                                                                                                                                                        |
| ▶ 6      |    | 329449610933 |                                                                                                                                                                                        |
| ▶ 7      |    | 329449612509 |                                                                                                                                                                                        |
| ▶ 8      |   | 329449611311 |                                                                                                                                                                                        |
| ▶ 9      |  | 129445520890 |                                                                                                                                                                                        |
| ▶ 10     |  | 129445521617 |                                                                                                                                                                                        |
| ▶ 11     |  | 129445520270 |                                                                                                                                                                                        |
| ▶ 12     |  | 129445522979 |                                                                                                                                                                                        |
| ▶ 13     |  | 129445521179 |                                                                                                                                                                                        |
| ▶ 14     |  | 129445520023 | <div> </div> |

 **RNE**  
RailNetEurope

PUBLIC

# TIS Web Train Details

- Details
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- Statistics
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- Geopositioning
- Train Compositions

International Train Number  
**42802, 42862**  
National Train Numbers  
**42862, 42863**

Actual Location  
**ZARAGOZA-PLAZA**  
21.06.2026 16:52 **+10 min**

From  
**Entroncamento** 20.06.2026 08:00  
To  
**ZARAGOZA-PLAZA** 21.06.2026 16:42

Planned Distance  
**1.090,10 km**  
Actual Distance  
**1.090,10 km**

Train Type  
**International Freight**  
Last Update  
**21.06.2026 16:52**

  
17 

Train Identifier  
**TR.2194.042863260620.00.2026.20260620**  
Other Train Identifiers  


+

|                        | Layout: |            |       |        |            |       |         |              |                                                                                       |                        |                                  |      |            |            |          |
|------------------------|---------|------------|-------|--------|------------|-------|---------|--------------|---------------------------------------------------------------------------------------|------------------------|----------------------------------|------|------------|------------|----------|
|                        | Planned |            |       | Actual |            |       |         |              | Forecast                                                                              |                        |                                  |      |            |            |          |
| Location               | Status  | Date       | Time  | Status | Date       | Time  | Delta   | Delay Reason | OTN                                                                                   | Infrastructure Manager | Railway Undertaking              | Date | Time       | Actual Dis |          |
| MARCELA DE NAVARRA     | ↓       | 21.06.2026 | 15:00 | ↓      | 21.06.2026 | 15:20 | +20 min |              |    | 42862                  | Administrador de Infraestruct... |      | 21.06.2026 | 15:09      | 1,90 km  |
| VILLAFRANCA DE NAVARRA | ↓       | 21.06.2026 | 15:06 | ↓      | 21.06.2026 | 15:25 | +19 min |              |    | 42862                  | Administrador de Infraestruct... |      | 21.06.2026 | 15:21      | 6,50 km  |
| CASTEJON DE EBRO       | ↓       | 21.06.2026 | 15:17 | ⤵      | 21.06.2026 | 15:36 | +19 min |              |    | 42862                  | Administrador de Infraestruct... |      | 21.06.2026 | 15:35      | 13,20 km |
| TUDELA DE NAVARRA      | ↓       | 21.06.2026 | 15:29 | ↓      | 21.06.2026 | 15:51 | +22 min |              |    | 42862                  | Administrador de Infraestruct... |      | 21.06.2026 | 15:46      | 16,30 km |
| RIBAFORADA             | ↓       | 21.06.2026 | 15:37 | ↓      | 21.06.2026 | 15:58 | +21 min |              |    | 42862                  | Administrador de Infraestruct... |      | 21.06.2026 | 15:53      | 10,00 km |
| CORTES DE NAVARRA      | ↓       | 21.06.2026 | 15:47 | ↓      | 21.06.2026 | 16:06 | +19 min |              |   | 42862                  | Administrador de Infraestruct... |      | 21.06.2026 | 16:06      | 12,10 km |
| CORTES DE NAVARRA      | ↓       | 21.06.2026 | 15:47 | ↓      | 21.06.2026 | 16:06 | +19 min |              |  | 42862                  | Administrador de Infraestruct... |      | 21.06.2026 | 16:06      |          |
| LUCENI                 | ↓       | 21.06.2026 | 15:59 | ↓      | 21.06.2026 | 16:19 | +20 min | 32 (1)       |  | 42862                  | Administrador de Infraestruct... |      | 21.06.2026 | 16:16      | 17,80 km |
| CABAÑAS DE EBRO        | ↓       | 21.06.2026 | 16:04 | ↓      | 21.06.2026 | 16:24 | +20 min |              |  | 42862                  | Administrador de Infraestruct... |      | 21.06.2026 | 16:22      | 7,60 km  |
| ALAGON                 | ↓       | 21.06.2026 | 16:08 | ↓      | 21.06.2026 | 16:27 | +19 min |              |  | 42862                  | Administrador de Infraestruct... |      |            |            | 5,10 km  |
| CASSETAS               | ↓       | 21.06.2026 | 16:17 | ↓      | 21.06.2026 | 16:33 | +16 min |              |  | 42862                  | Administrador de Infraestruct... | I    | 21.06.2026 | 16:38      | 9,40 km  |
| CASSETAS               | ⤵       | 21.06.2026 | 16:18 | ⤵      | 21.06.2026 | 16:33 | +15 min |              |  | 42862                  | Administrador de Infraestruct... | I    |            |            |          |
| C.I.M. DE ZARAGOZA     | ↓       | 21.06.2026 | 16:25 | ↓      | 21.06.2026 | 16:40 | +15 min |              |  | 42862                  | Administrador de Infraestruct... |      | 21.06.2026 | 16:47      | 8,10 km  |
| CIM-AGUJA KM. 0,7      | ↓       | 21.06.2026 | 16:29 | ↓      | 21.06.2026 | 16:42 | +13 min |              |  | 42862                  | Administrador de Infraestruct... |      | 21.06.2026 | 16:43      | 1,50 km  |

# TIS Web Train Details

Details

Forecasts

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Geopositioning

Train Compositions

International Train Number  
**42802, 42862**  
National Train Numbers  
**42862, 42863**

Actual Location

**ZARAGOZA-PLAZA**

21.06.2026 16:52 **+10 min**

From

**Entroncamento**

20.06.2026 08:00

To

**ZARAGOZA-PLAZA**

21.06.2026 16:42

Planned Distance

**1.090,10 km**

Actual Distance

**1.090,10 km**

Train Type

**International Freight**

Last Update

**21.06.2026 16:52**

  
17





Train Identifier

**TR.2194.042863260620.00.2026.20260620**

Other Train Identifiers



| Location               | Planned |            |       | Actual |            |       |  | Delta          | Delay Reason | OTN                                                                                   | Infrastructure Manager | Railway Undertaking              | Forecast   |       |            |
|------------------------|---------|------------|-------|--------|------------|-------|--|----------------|--------------|---------------------------------------------------------------------------------------|------------------------|----------------------------------|------------|-------|------------|
|                        | Status  | Date       | Time  | Status | Date       | Time  |  |                |              |                                                                                       |                        |                                  | Date       | Time  | Actual Dis |
| MARCELA DE NAVARRA     | ↓       | 21.06.2026 | 15:00 | ↓      | 21.06.2026 | 15:20 |  | <b>+20 min</b> |              |    | 42862                  | Administrador de Infraestruct... | 21.06.2026 | 15:09 | 1,90 km    |
| VILLAFRANCA DE NAVARRA | ↓       | 21.06.2026 | 15:06 | ↓      | 21.06.2026 | 15:25 |  | <b>+19 min</b> |              |    | 42862                  | Administrador de Infraestruct... | 21.06.2026 | 15:21 | 6,50 km    |
| CASTEJON DE EBRO       | ↓       | 21.06.2026 | 15:17 | ↓      | 21.06.2026 | 15:36 |  | <b>+19 min</b> |              |    | 42862                  | Administrador de Infraestruct... | 21.06.2026 | 15:35 | 13,20 km   |
| TUDELA DE NAVARRA      | ↓       | 21.06.2026 | 15:29 | ↓      | 21.06.2026 | 15:51 |  | <b>+22 min</b> |              |    | 42862                  | Administrador de Infraestruct... | 21.06.2026 | 15:46 | 16,30 km   |
| RIBAFORADA             | ↓       | 21.06.2026 | 15:37 | ↓      | 21.06.2026 | 15:58 |  | <b>+21 min</b> |              |    | 42862                  | Administrador de Infraestruct... | 21.06.2026 | 15:53 | 10,00 km   |
| CORTES DE NAVARRA      | ↓       | 21.06.2026 | 15:47 | ↓      | 21.06.2026 | 16:06 |  | <b>+19 min</b> |              |   | 42862                  | Administrador de Infraestruct... | 21.06.2026 | 16:06 | 12,10 km   |
| CORTES DE NAVARRA      | ↓       | 21.06.2026 | 15:47 | ↓      | 21.06.2026 | 16:06 |  | <b>+19 min</b> |              |  | 42862                  | Administrador de Infraestruct... | 21.06.2026 | 16:06 |            |
| LUCENI                 | ↓       | 21.06.2026 | 15:59 | ↓      | 21.06.2026 | 16:19 |  | <b>+20 min</b> | 32 (1)       |  | 42862                  | Administrador de Infraestruct... | 21.06.2026 | 16:16 | 17,80 km   |
| CABAÑAS DE EBRO        | ↓       | 21.06.2026 | 16:04 | ↓      | 21.06.2026 | 16:24 |  | <b>+20 min</b> |              |  | 42862                  | Administrador de Infraestruct... | 21.06.2026 | 16:22 | 7,60 km    |
| ALAGON                 | ↓       | 21.06.2026 | 16:08 | ↓      | 21.06.2026 | 16:27 |  | <b>+19 min</b> |              |  | 42862                  | Administrador de Infraestruct... |            |       | 5,10 km    |
| CASETAS                | ↓       | 21.06.2026 | 16:17 | ↓      | 21.06.2026 | 16:33 |  | <b>+16 min</b> |              |  | 42862                  | Administrador de Infraestruct... | 21.06.2026 | 16:38 | 9,40 km    |
| CASETAS                | ↓       | 21.06.2026 | 16:18 | ↓      | 21.06.2026 | 16:33 |  | <b>+15 min</b> |              |  | 42862                  | Administrador de Infraestruct... |            |       |            |
| C.I.M. DE ZARAGOZA     | ↓       | 21.06.2026 | 16:25 | ↓      | 21.06.2026 | 16:40 |  | <b>+15 min</b> |              |  | 42862                  | Administrador de Infraestruct... | 21.06.2026 | 16:47 | 8,10 km    |
| CIM-AGUJA KM. 0,7      | ↓       | 21.06.2026 | 16:29 | ↓      | 21.06.2026 | 16:42 |  | <b>+13 min</b> |              |  | 42862                  | Administrador de Infraestruct... | 21.06.2026 | 16:43 | 1,50 km    |

# TIS Web Train Details

Details

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Geopositioning

Train Compositions

International Train Number  
**42802, 42862**

National Train Numbers  
**42862, 42863**

Actual Location  
**ZARAGOZA-PLAZA**

21.06.2026 16:52 **+10 min**

From  
**Entroncamento**

To  
**ZARAGOZA-PLAZA**

20.06.2026 08:00

21.06.2026 16:42

Planned Distance  
**1.090,10 km**

Actual Distance  
**1.090,10 km**

Train Type  
**International Freight**

Last Update  
**21.06.2026 16:52**

  
**17**

  
**17**



Train Identifier  
**TR.2194.042863260620.00.2026.20260620**

Other Train Identifiers

+

|                        |        |            |       |        |            |       |         |              |                                                                                             |                                  |                     |            |       |            | Layout: |  |
|------------------------|--------|------------|-------|--------|------------|-------|---------|--------------|---------------------------------------------------------------------------------------------|----------------------------------|---------------------|------------|-------|------------|---------|--|
| Planned                |        |            |       | Actual |            |       |         | Forecast     |                                                                                             |                                  |                     |            |       |            |         |  |
| Location               | Status | Date       | Time  | Status | Date       | Time  | Delta   | Delay Reason | OTN                                                                                         | Infrastructure Manager           | Railway Undertaking | Date       | Time  | Actual Dis |         |  |
| MARCELA DE NAVARRA     | ↓      | 21.06.2026 | 15:00 | ↓      | 21.06.2026 | 15:20 | +20 min |              |  42802   | Administrador de Infraestruct... |                     | 21.06.2026 | 15:00 | 1,50 km    |         |  |
| VILLAFRANCA DE NAVARRA | ↓      | 21.06.2026 | 15:06 | ↓      | 21.06.2026 | 15:25 | +19 min |              |  42862   | Administrador de Infraestruct... |                     | 21.06.2026 | 15:21 | 6,50 km    |         |  |
| CASTEJON DE EBRO       | ↓      | 21.06.2026 | 15:17 | ↓      | 21.06.2026 | 15:36 | +19 min |              |  42862   | Administrador de Infraestruct... |                     | 21.06.2026 | 15:35 | 13,20 km   |         |  |
| TUDELA DE NAVARRA      | ↓      | 21.06.2026 | 15:29 | ↓      | 21.06.2026 | 15:51 | +22 min |              |  42862   | Administrador de Infraestruct... |                     | 21.06.2026 | 15:46 | 16,30 km   |         |  |
| RIBAFORADA             | ↓      | 21.06.2026 | 15:37 | ↓      | 21.06.2026 | 15:58 | +21 min |              |  42862   | Administrador de Infraestruct... |                     | 21.06.2026 | 15:53 | 10,00 km   |         |  |
| CORTES DE NAVARRA      | ↓      | 21.06.2026 | 15:47 | ↓      | 21.06.2026 | 16:06 | +19 min |              |  42862   | Administrador de Infraestruct... |                     | 21.06.2026 | 16:06 | 12,10 km   |         |  |
| CORTES DE NAVARRA      | ↓      | 21.06.2026 | 15:47 | ↓      | 21.06.2026 | 16:06 | +19 min |              |  42862 | Administrador de Infraestruct... |                     | 21.06.2026 | 16:06 |            |         |  |
| LUCENI                 | ↓      | 21.06.2026 | 15:59 | ↓      | 21.06.2026 | 16:19 | +20 min | 32 (1)       |  42862 | Administrador de Infraestruct... |                     | 21.06.2026 | 16:16 | 17,80 km   |         |  |
| CABAÑAS DE EBRO        | ↓      | 21.06.2026 | 16:04 | ↓      | 21.06.2026 | 16:24 | +20 min |              |  42862 | Administrador de Infraestruct... |                     | 21.06.2026 | 16:22 | 7,60 km    |         |  |
| ALAGON                 | ↓      | 21.06.2026 | 16:08 | ↓      | 21.06.2026 | 16:27 | +19 min |              |  42862 | Administrador de Infraestruct... |                     |            |       | 5,10 km    |         |  |
| CASETAS                | ↓      | 21.06.2026 | 16:17 | ↓      | 21.06.2026 | 16:33 | +16 min |              |  42862 | Administrador de Infraestruct... | I                   | 21.06.2026 | 16:38 | 9,40 km    |         |  |
| CASETAS                | ↓      | 21.06.2026 | 16:18 | ↓      | 21.06.2026 | 16:33 | +15 min |              |  42862 | Administrador de Infraestruct... | I                   |            |       |            |         |  |
| C.I.M. DE ZARAGOZA     | ↓      | 21.06.2026 | 16:25 | ↓      | 21.06.2026 | 16:40 | +15 min |              |  42862 | Administrador de Infraestruct... |                     | 21.06.2026 | 16:47 | 8,10 km    |         |  |
| CIM-AGUJA KM. 0,7      | ↓      | 21.06.2026 | 16:29 | ↓      | 21.06.2026 | 16:42 | +13 min |              |  42862 | Administrador de Infraestruct... |                     | 21.06.2026 | 16:43 | 1,50 km    |         |  |

# TIS Web Train Details

Details

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Geopositioning

Train Compositions

International Train Number  
**42802, 42862**

National Train Numbers  
**42862, 42863**

Actual Location  
**ZARAGOZA-PLAZA**

21.06.2026 16:52 **+10 min**

From  
**Entroncamento**

To  
**ZARAGOZA-PLAZA**

20.06.2026 08:00

21.06.2026 16:42

Planned Distance  
**1.090,10 km**

Actual Distance  
**1.090,10 km**

Train Type  
**International Freight**

Last Update  
**21.06.2026 16:52**

 **17**





Train Identifier  
**TR.2194.042863260620.00.2026.20260620**

Other Train Identifiers



| Location               | Planned |            |       | Actual |            |       | Delta   | Delay Reason | OTN                                                                                   | Infrastructure Manager | Railway Undertaking              | Forecast   |       |            |
|------------------------|---------|------------|-------|--------|------------|-------|---------|--------------|---------------------------------------------------------------------------------------|------------------------|----------------------------------|------------|-------|------------|
|                        | Status  | Date       | Time  | Status | Date       | Time  |         |              |                                                                                       |                        |                                  | Date       | Time  | Actual Dis |
| MARCELA DE NAVARRA     | ↓       | 21.06.2026 | 15:00 | ↓      | 21.06.2026 | 15:20 | +20 min |              |    | 42802                  | Administrador de Infraestruct... | 21.06.2026 | 15:09 | 1,90 km    |
| VILLAFRANCA DE NAVARRA | ↓       | 21.06.2026 | 15:06 | ↓      | 21.06.2026 | 15:25 | +19 min |              |    | 42862                  | Administrador de Infraestruct... | 21.06.2026 | 15:21 | 6,50 km    |
| CASTEJON DE EBRO       | ↓       | 21.06.2026 | 15:17 | ↓      | 21.06.2026 | 15:36 | +19 min |              |    | 42862                  | Administrador de Infraestruct... | 21.06.2026 | 15:35 | 13,20 km   |
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# TIS Web Train Details

- Details
- Forecasts
- Incidents
- Statistics
- Chat
- Linking
- Geopositioning
- Train Compositions

International Train Number  
**42802, 42862**  
National Train Numbers  
**42862, 42863**

Actual Location  
**ZARAGOZA-PLAZA**

21.06.2026 16:52 **+10 min**

From  
**Entroncamento**

20.06.2026 08:00

To  
**ZARAGOZA-PLAZA**

21.06.2026 16:42

Planned Distance  
**1.090,10 km**

Actual Distance  
**1.090,10 km**

Train Type  
**International Freight**

Last Update  
**21.06.2026 16:52**

**17**





Train Identifier  
**TR.2194.042863260620.00.2026.20260620**

Other Train Identifiers

| Location               | Planned |            |       | Actual |            |       | Delta   | Delay Reason | OTN   | Infrastructure Manager           |  | Railway Undertaking | Forecast   |       |            |
|------------------------|---------|------------|-------|--------|------------|-------|---------|--------------|-------|----------------------------------|--|---------------------|------------|-------|------------|
|                        | Status  | Date       | Time  | Status | Date       | Time  |         |              |       |                                  |  |                     | Date       | Time  | Actual Dis |
| MARCELA DE NAVARRA     | ↓       | 21.06.2026 | 15:00 | ↓      | 21.06.2026 | 15:20 | +20 min |              | 42862 | Administrador de Infraestruct... |  |                     | 21.06.2026 | 15:09 | 1,90 km    |
| VILLAFRANCA DE NAVARRA | ↓       | 21.06.2026 | 15:06 | ↓      | 21.06.2026 | 15:25 | +19 min |              | 42862 | Administrador de Infraestruct... |  |                     | 21.06.2026 | 15:21 | 6,50 km    |
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Train Type  
**International Freight**  
Last Update  
**21.06.2026 16:52**

  
17  
  


Train Identifier  
**TR.2194.042863260620.00.2026.20260620**  
Other Train Identifiers

|                        | Planned |            | Actual |        |            |       |         |              |     |                        | Forecast                         |            |       | Layout:    |
|------------------------|---------|------------|--------|--------|------------|-------|---------|--------------|-----|------------------------|----------------------------------|------------|-------|------------|
| Location               | Status  | Date       | Time   | Status | Date       | Time  | Delta   | Delay Reason | OTN | Infrastructure Manager | Railway Undertaking              | Date       | Time  | Actual Dis |
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RailNetEurope

# 03 TIS Contacts



# Who we are

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**Nektarios Zacharias**

Senior IT Manager (TIS) - Team  
Leader TIS

+43 664 884 248 13  
[nektarios.zacharias@rne.eu](mailto:nektarios.zacharias@rne.eu)



**Arturas Paulauskas**

IT Manager (TIS)

+43 676 560 07 17  
[arturas.paulauskas@rne.eu](mailto:arturas.paulauskas@rne.eu)



**Viktor Kádár**

Junior IT Manager (TIS)

+43 676 705 6841  
[viktor.kadar@rne.eu](mailto:viktor.kadar@rne.eu)



**Redion Copa**

Junior IT Manager (TIS)

+43 676 47 51366  
[redion.copa@rne.eu](mailto:redion.copa@rne.eu)

# WE KNOW WHAT YOUR TRAIN DID LAST SUMMER



# Traffic Management – areas of activities

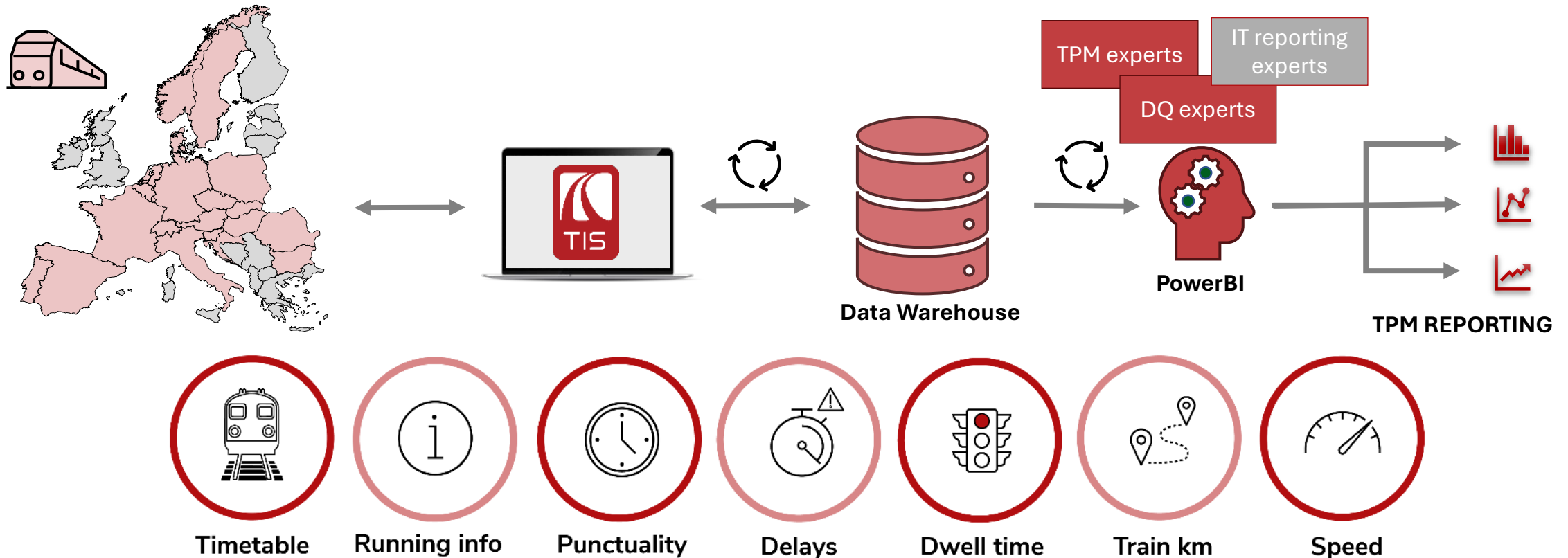
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**Performance**

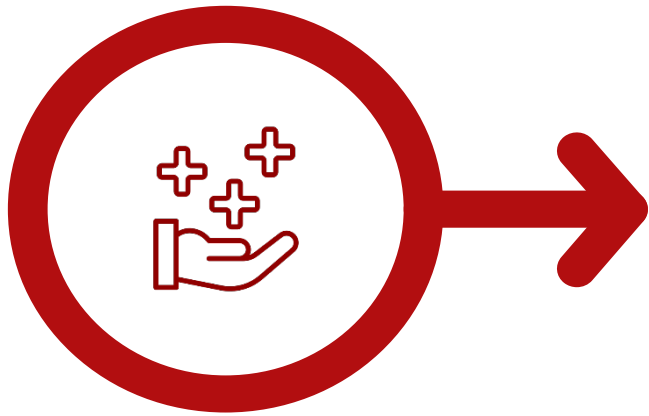
# RNE collects data and became European Data Warehouse

- All data collected from members through RNE TIS application are stored in the data warehouse. Based on stored data, reports are prepared and made accessible to users via Oracle Analytics Server (OAS).



# TIS Data Quality

## Benefits



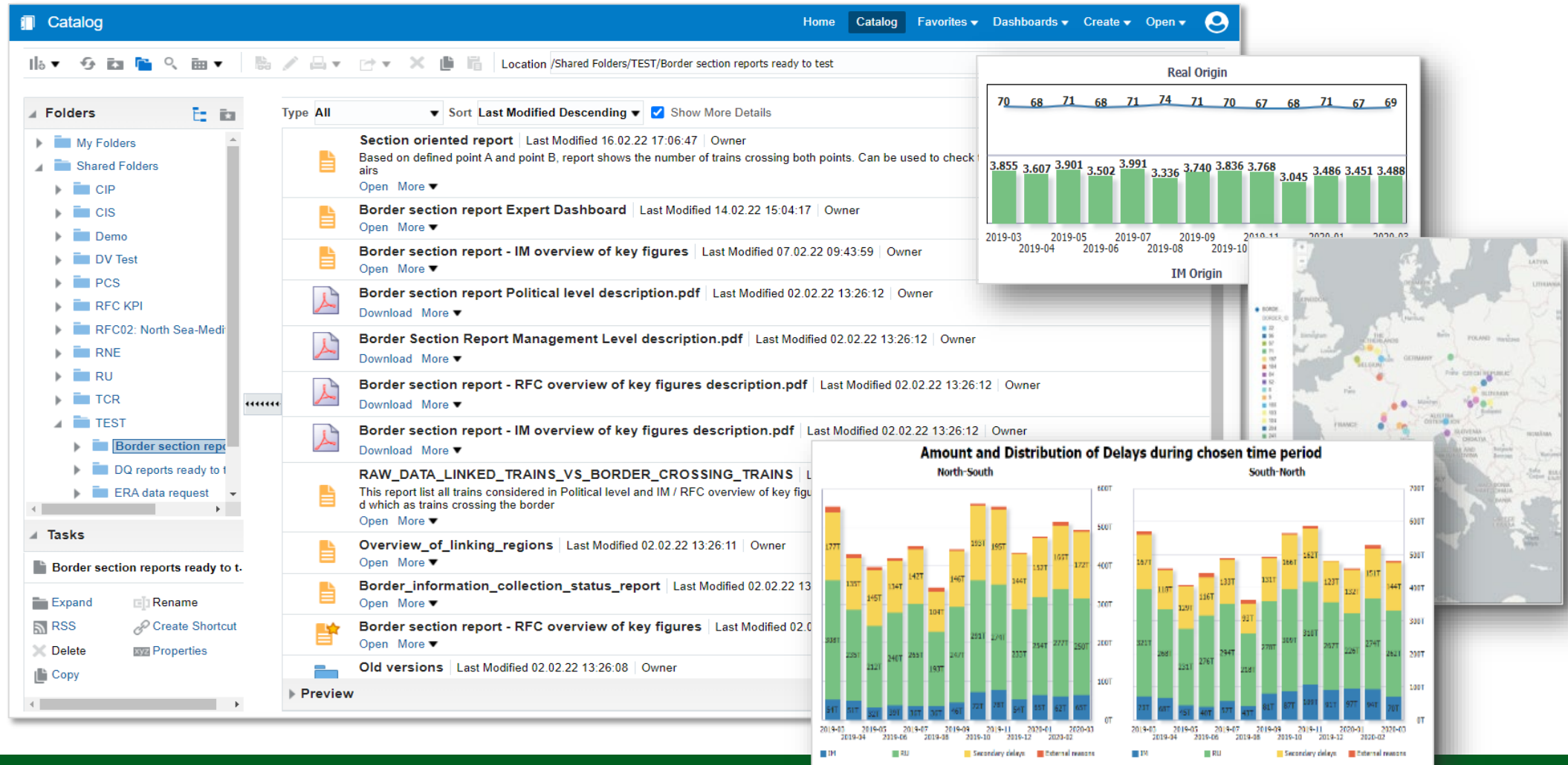
- **Real and complete trains run** on the European network through TIS and available to railway transportation stakeholders
- Facilitate the **exchange of relevant and reliable data** among entities within the TIS app, including IMs, RUs, or terminals
- **Deliver reliable reports/datasets** for IMs, RFCs, RUs, European bodies, agencies and academia presenting the status and performance of railway transportation
- Platform to **assess the status of TIS data quality**, discuss current and potential data quality and reporting issues, and define actions to address them.

# RNE Train Performance Management



- **Define and propose harmonised international processes and KPIs** for IMs and RFCs to monitor and improve train performance management
- **supports implementation of train performance management** and serves as a **platform** where RFCs and IMs can exchange experiences and concerns
- **assess the data provision to external subjects** – EU authorities, universities, etc.
- **takes care of functional improvements of TIS** related to reporting
- Serves as **Reporting Change Control Board**
- Support the members on the **preparation and design of suitable reports and datasets** to be used by IMs and RFCs

# TPM Reports and Dashboards



# Contacts

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**Peter Šišolák**

Head of Traffic Management

+43 676 553 86 72  
[peter.sisolak@rne.eu](mailto:peter.sisolak@rne.eu)



**Juraj Maliacek**

Team Leader Traffic Process  
Management & Deputy Head of TM

+43 664 884 248 16  
[juraj.maliacek@rne.eu](mailto:juraj.maliacek@rne.eu)



**Nektarios Zacharias**

Team Leader TIS &  
Deputy Head of IT

+43 664 884 248 13  
[nektarios.zacharias@rne.eu](mailto:nektarios.zacharias@rne.eu)

**RailNetEurope**  
Austria Campus 3  
Jakob-Lind-Straße 5  
1020 Vienna, Austria  
[www.rne.eu](http://www.rne.eu)

# Polling Question

---

What has been the **most surprising** thing **you've learned** so far?

Scan QR Code  
to participate



What has been the **most surprising thing you've learned** so far?

regulations to enforce **tis** variety of rne activities  
unified tms  
available it tools  
translate project



RailNetEurope

# 03 IT Strategy



# What do we mean by RNE IT?

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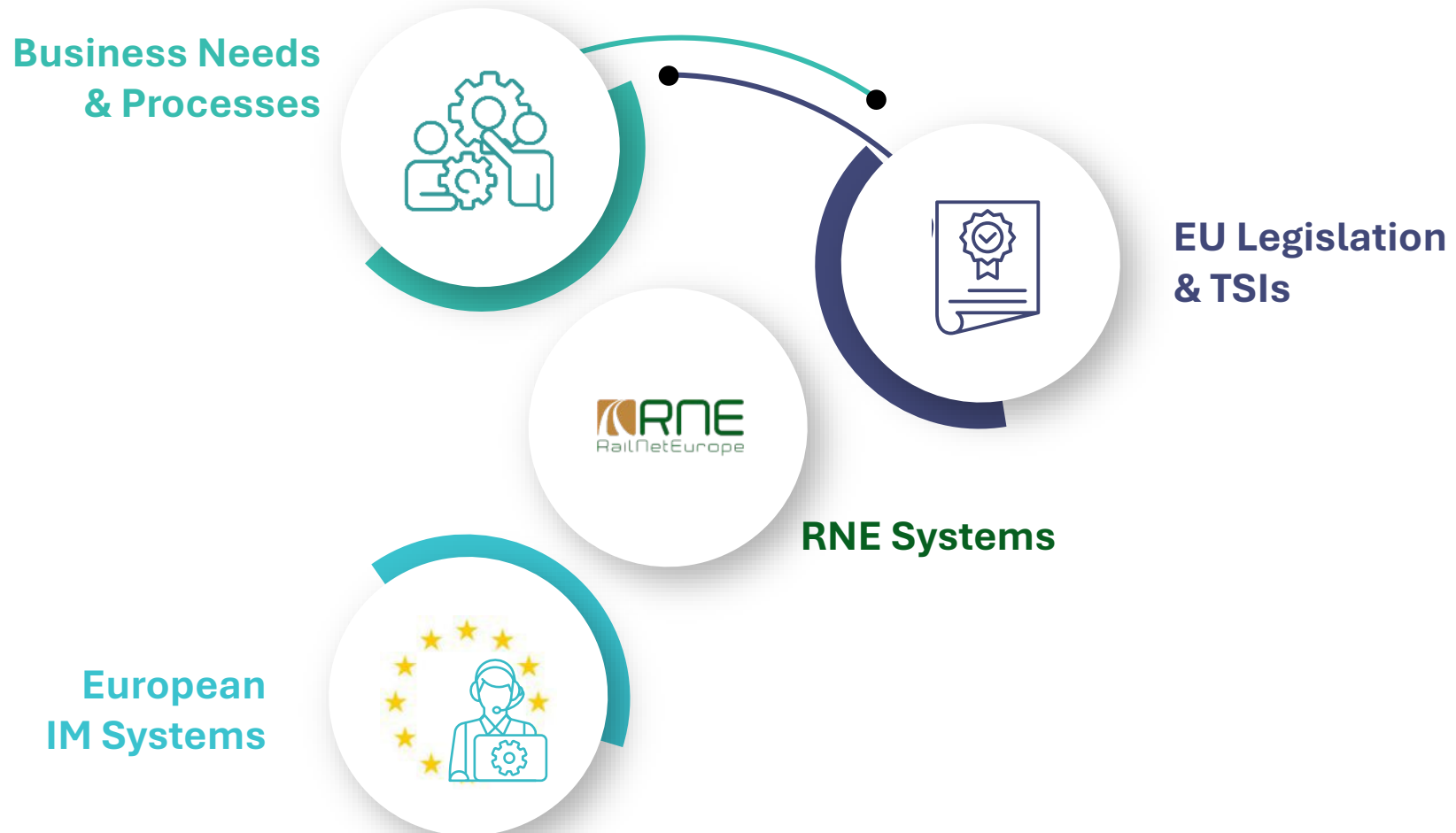
Products and solutions supporting:

- Planning workflows
- Operations
- Interoperability
- Data sharing



**Software products**

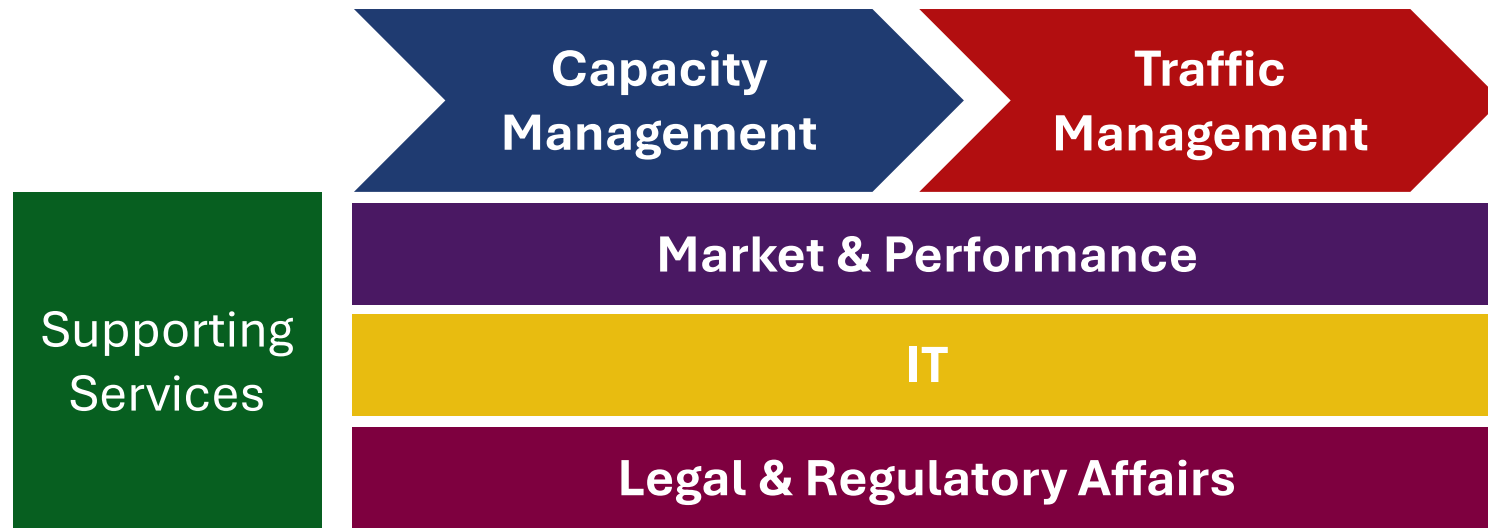
# What's driving RNE's IT strategy?



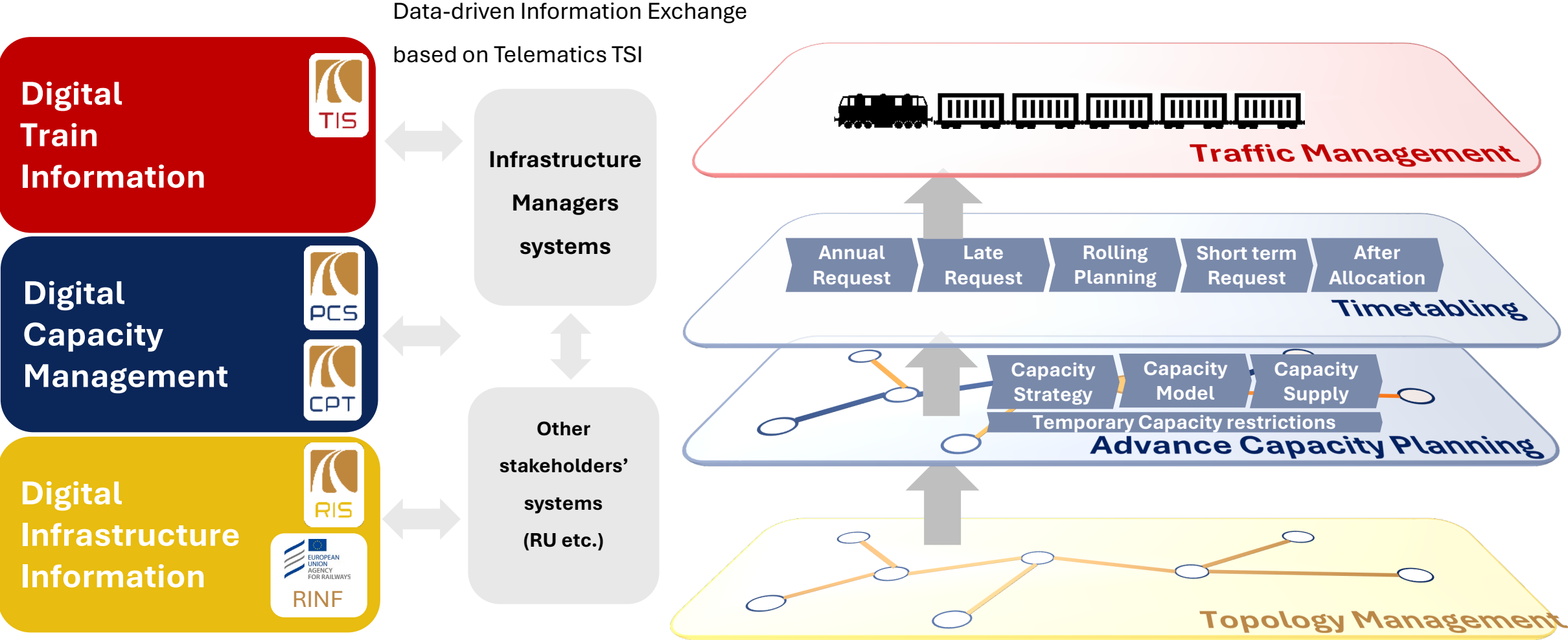
General

# Core Business

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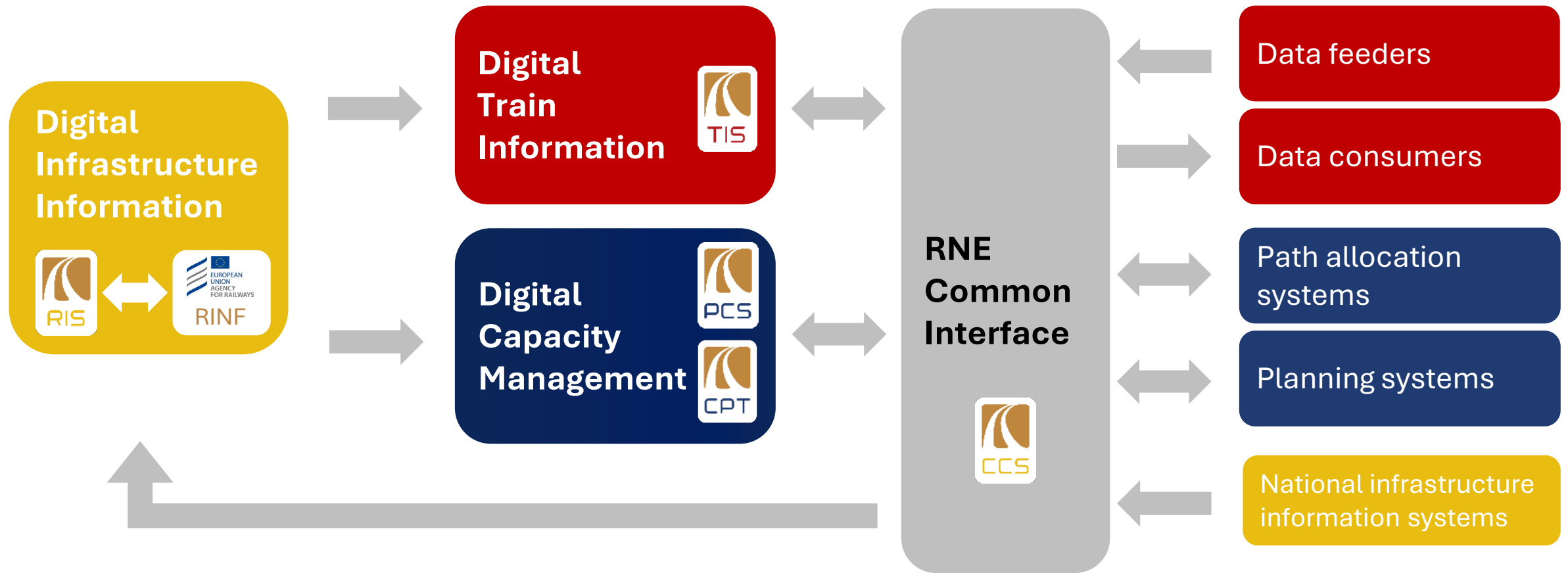


# RNE IT Strategy



## Central RNE systems

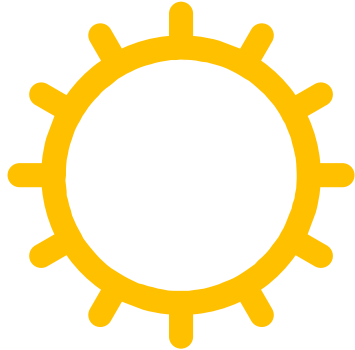
## IM/ Applicant systems



# Digital Infrastructure Information

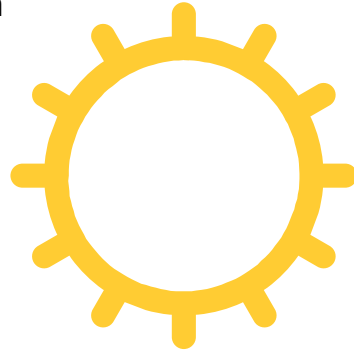
## Provision of Infra data to sector applications

Adapt to future data requests and data quality issues coming from Capacity and Operations applications



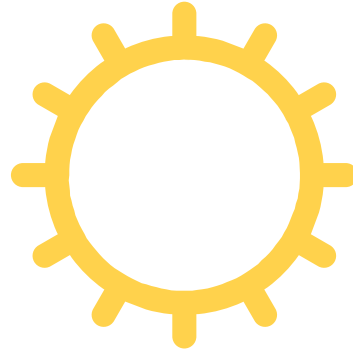
## RIS-RINF Connection

Work towards the retrieval of infrastructure data from RINF



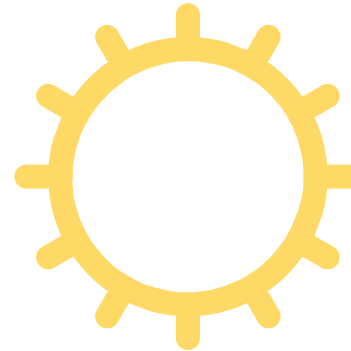
## Telematics TSI Compliance

Improve CI to support compliancy



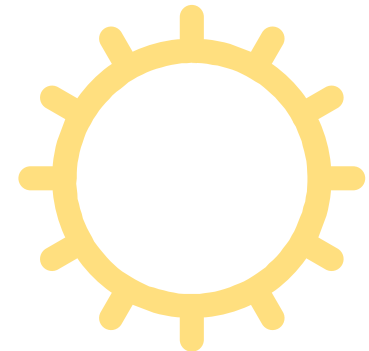
## Expand RFP, CIP and CRD functionalities

Improve user experience and functionalities of the RIS presentations layouts



## Linked Data Approach

Assist IMs in the provision of data to RINF and the use of Linked Data technologies by the sector

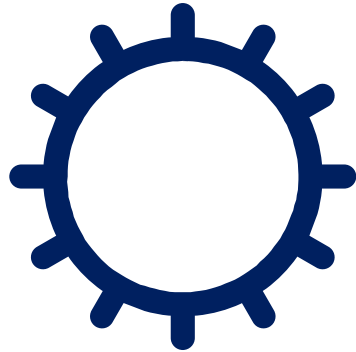


# Digital Capacity Management

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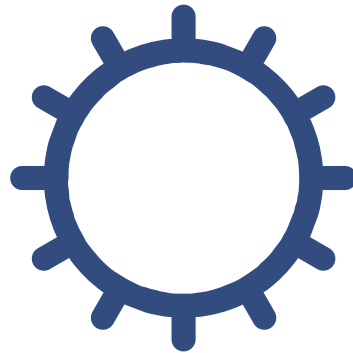
## Capacity Regulation Compliance

Assure the tools  
support the Capacity  
Processes



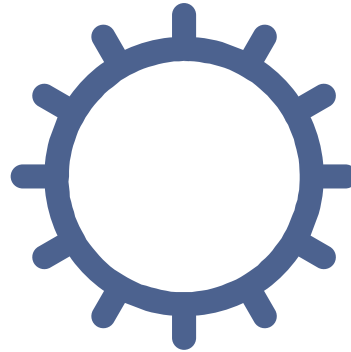
## Telematics TSI Compliance

Assure the tools are  
compliant



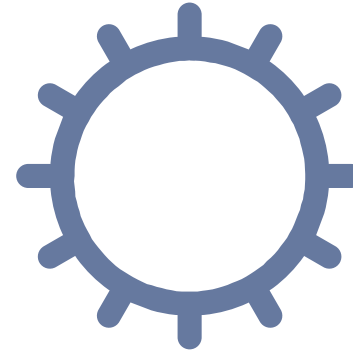
## Capacity Planning Tool

Backbone to support  
advance capacity  
planning process



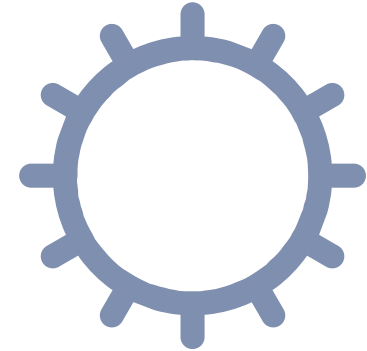
## Path Coordination System

Backbone to support  
timetabling porcesses



## EU Wide implementation

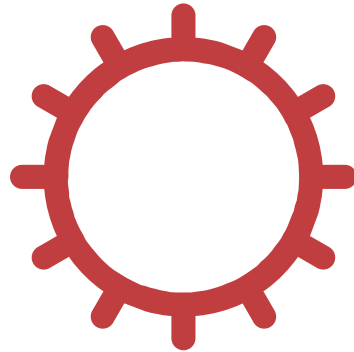
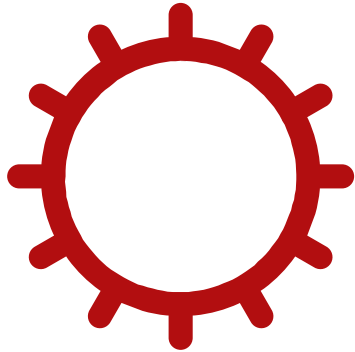
Support the connection  
of EU systems with the  
central tools



# Digital Train Information

## Telematics TSI and Capacity regulation Compliancey

Support and propose improvements for the Operations where needed

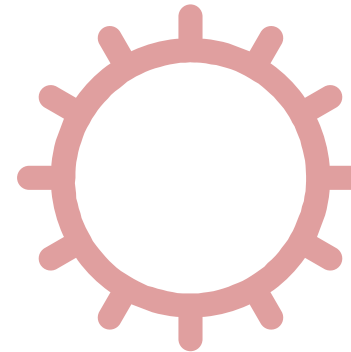
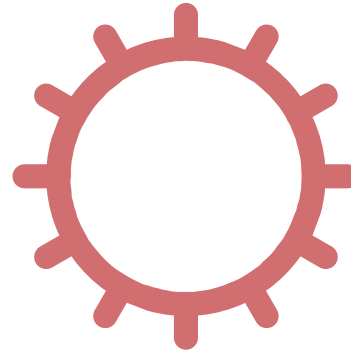


## User Friendliness of the tool

Enhance the user experience in the fields of TCM, Geo-Positioning Data, Mobile

## Develop Traffic Management related functions

ETA, Incident Management, ETMN

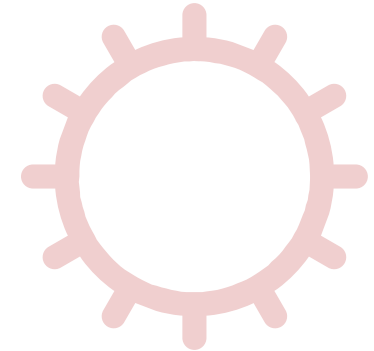


## RNE TIS Evolutions

Enable TIS through new functionalities to strengthen its role transport related application to support various stakeholders

## Promotion of TIS

Further promote TIS as TAF/TAP TSI certified and well-established solution for real-time train monitoring



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# Sector Cooperation – RNE IT



# Sector IT Cooperation

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- Defining and driving the implementation of a **common architecture** for the sector
- **Interpretation** and **implementation** of regulations
- Implementation plans for **compliance to regulations**
- **Chairing** sector expert groups

# Main regulatory drivers

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## Capacity Regulation

- Defines the digital capacity management processes that Infrastructure Managers must implement across Europe.
- Including harmonised planning, coordination, allocation.
- A European One-Stop Shop for requesting international rail capacity.

## Telematics TSI

- Defines the technical framework for interoperability, including common data models, APIs, web interfaces, and data-sharing standards that allow national and European systems to exchange information seamlessly.

The Capacity Regulation defines the digital business processes, while the Telematics TSI defines the technical connectivity and data exchange mechanisms needed to implement them.

RailNetEurope

# Railway Infrastructure System (RIS)



# Rail Infrastructure System (RIS)

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The RIS project merges the infrastructure data from four different RNE systems:

## Central Reference File Database (CRD)

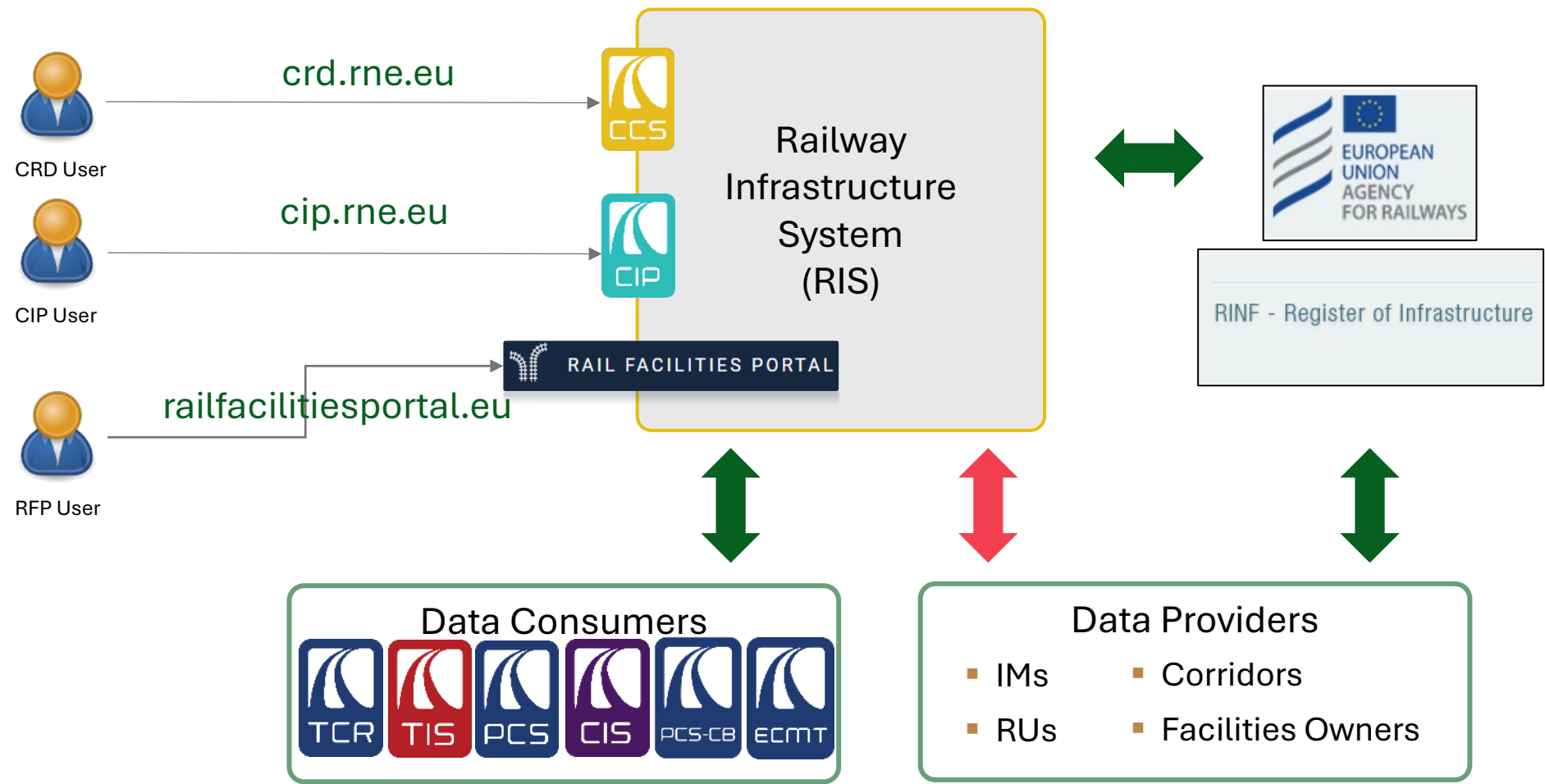
- List of Countries (ISO 3166)
- The Location Reference File which uniquely identifies physical rail points (PLCs, SLCs).
- The Companies Reference File uniquely identifies all rail actors (Company Codes).

**Topology:** Segments, Sections, Layers, Properties

**Customer Information Platform (CIP):** Line Properties, ETCS Deployment, Projects, Terminals

**Rail Facilities Portal (RFP):** Service Facilities

# RIS in operation



# RIS – corridor lines



\_\_\_\_\_

- Countries
- Companies
- Locations** 
- Primary Locations**
- Subsidiary Locations
- Subsidiary Types
- Primary Location Code Requests
- Subsidiary Location Code Requests
- Primary Location Proposals
- Contacts 

RailNetEurope

# 02 Digital Capacity Management (DCM)



# Europe currently...

---



## **From a planning perspective:**

- Isolated with a national focus, lack of strategic planning
- Cooperation ‘islands’
- Tedious planning meetings with limited scalability

## **From an allocation perspective:**

- Varying levels of maturity and digitalization
- Request country by country for a single train run
- Tedious coordination for changes

# Europe with Digital Capacity Management

---



## Planning

- **Various tools** support strategic decisions
- **Harmonised** international **traffic flows**
- **Universal** European **processes**

## Allocation

- **Modern**, digital **solutions** for capacity booking
- **Single-place solution** for international requests
- Up-to-date and traceable **change management**

# Driving principles

---

- **Infrastructure Managers** would like a **seamless planning experience**, and customers would like a **seamless booking experience** across Europe.
- The **European Commission** and the sector are pushing for transparency, coordination, and consultation across the planning phases via the **Capacity Regulation**.

# Digital Capacity Management

## CAPACITY PLANNING TOOL



**Plan ahead with a shared view of capacity.**

A shared view of available capacity, constraints and scenarios — helping IMs align early.

## PATH COORDINATION SYSTEM



**Coordinate cross-border requests.**

One workflow for international path requests, offers and updates — keeping applicants and IMs synchronised.

RailNetEurope

# Capacity Planning Tool (CPT)





Home

Capacity Supply

TCR

TCRs

TCR Map

Charts

Capacity Supply

Capacity Supply chart

TCR

TCR Gantt chart

Import

TCR imports

CP imports

PA imports

Reports

Reports

Administration

User management

Accesses

Timetable

Reference data

Exports

Variants

Help

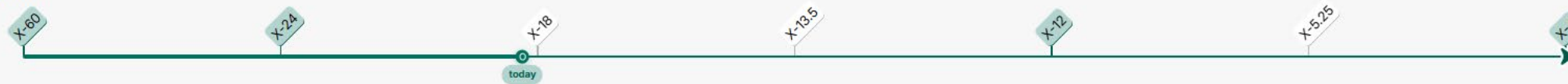
## Home

TTP

2028



## Timeline



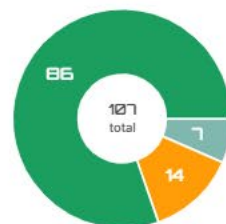
13 TCRs waiting for you

12 TCRs waiting for others

3 Rejected TCRs

## TCR overview

Status



Planned Coordination Published

Classification



TCRs

Total closure Partial closure

TCRs on my network



## Observations

4

Observations without response

Observation list

see all (5) →

| Title                           | IM                            | From                   | To                   | Comment | Date       |
|---------------------------------|-------------------------------|------------------------|----------------------|---------|------------|
| Observation for Amsterda...     | ProRail                       | Amsterdam Science Park | Amsterdam Arena      | Test    | 2026-05-12 |
| Observation for Frankfurt (...) | DB InfraGO, ProRail, Infrabel | Frankfurt (Main) Ost   | ANTWERPEN-NOORD-BUNI | test    | 2026-05-08 |

1.0.0-rc.4



## Capacity Supply Chart

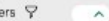
Search

Search for name, train number, CPT ID...

Saved filters

-

Filters



TTP is 2026

Start location is Budapest Keleti

End location is Wien Hauptbahnhof

Validity period is 11/08/2025 - 17/08/2025



create filter

reset

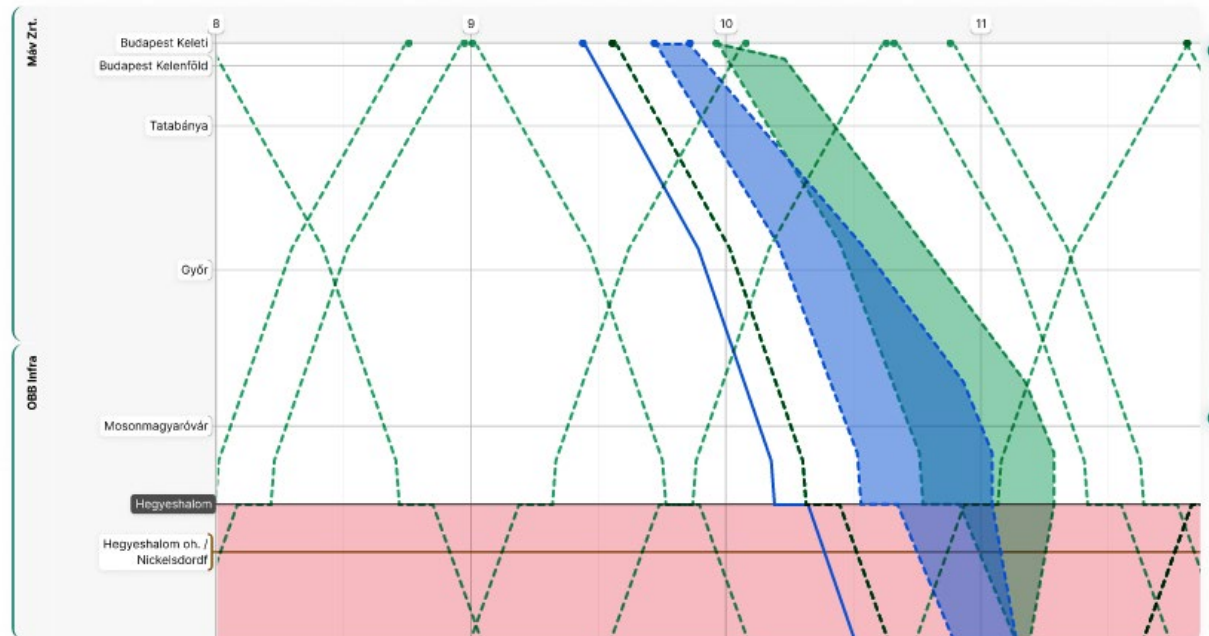
search

time-zone

locations

directions

object



Search

Search for title, TSI ID core, Project ID

Saved filters \*

Select a saved filter

Filters

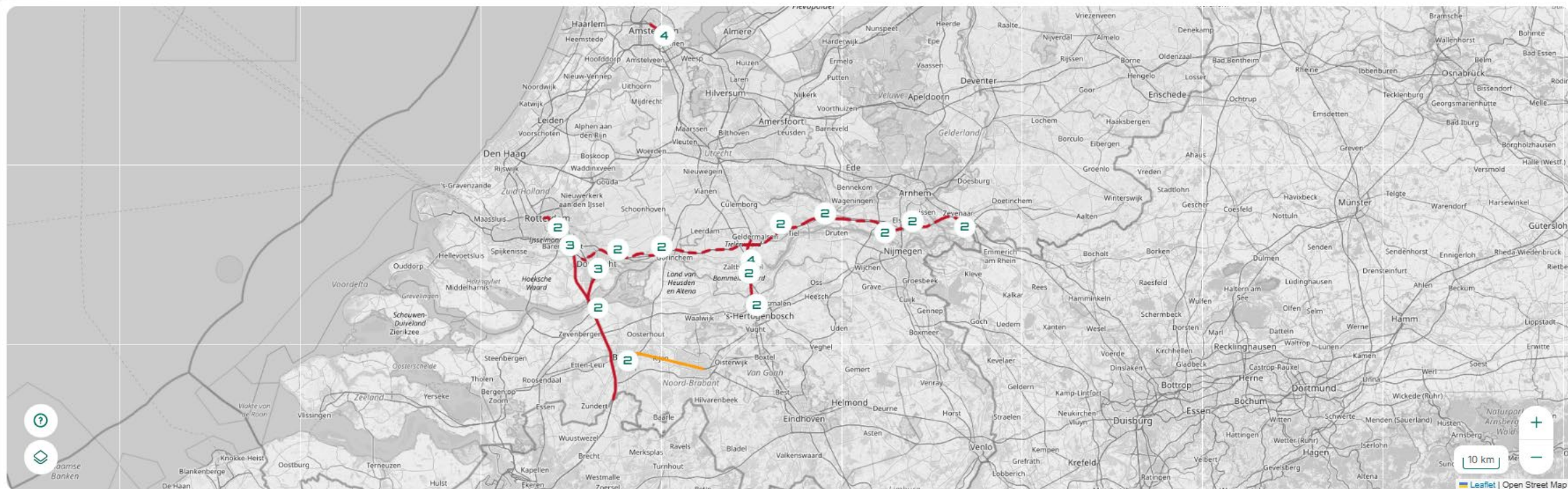
TTP is 2029 Coordinating IM is ProRail

create filter

reset

search

List Map Gantt chart



RailNetEurope

# Path Coordination System (PCS)



## Dashboard

[reference trains](#) ▸[create new reference train](#) ▾[manage filters](#)

4

Where Leading

Where  
participating

10

My unresolved

9

No observation

22

Waiting for others

18

Waiting for others

18

Waiting for others

9

Participating

[labels](#) ▾

| <input type="checkbox"/> | Name                                              | Phase            | Int. train number | PCS ID | Last updated | Companies                                                                         | Label                                 |
|--------------------------|---------------------------------------------------|------------------|-------------------|--------|--------------|-----------------------------------------------------------------------------------|---------------------------------------|
| <input type="checkbox"/> | 2023 IC Brussel-<br>Amsterdam 9211 - via<br>Breda | Open             | 9211              | 100022 | 02/11/2023   | <div><div>★ SNCB-P</div><div>Infrabel</div><div>NSI</div><div>ProRail</div></div> | <div>Label 4</div>                    |
| <input type="checkbox"/> | Praha - Brussel                                   | Path Elaboration | 2565              | 153656 | 03/11/2023   | <div><div>★ SNCB-P</div><div>Infrabel</div><div>NSI</div><div>ProRail</div></div> | <div>Label 4</div>                    |
| <input type="checkbox"/> | 9846 Bruxelles - Lille                            | Harmonization    | 9846              | 100060 | 01/11/2023   | <div><div>★ SNCB-P</div><div>Infrabel</div><div>NSI</div><div>ProRail</div></div> | <div>Label 5</div>                    |
| <input type="checkbox"/> | Liège - Aachen                                    | Open             | 5013              | 103450 | 02/12/2023   | <div><div>★ SNCB-P</div><div>Infrabel</div><div>NSI</div><div>ProRail</div></div> | <div>Label 4</div> <div>Label 5</div> |

2025 IC Budapest - Wien 123445

details ▾

...

01. Journey

.....

▾

## ★ Mav Start / ★ KTI

...

## 1 Path request 1

...

- Budapest-Keleti

Y

--- - 23:58

- Hegyeshalom oh.

P

01:55 - 01:58

||||| 6-7

PaP

RU OBB Personverkehr

O

## 2 Path request 2

...

Missing activity type

- Budapest-Keleti

00:11

- Hegyeshalom oh.

P

01:55 - 01:58

||||| 6-7

PaP

RU OBB Personverkehr

## ★ Mav Start / ProRail

...

## 1 Path request 1

...

- Budapest-Keleti

Y

--- - 23:58

- Hegyeshalom oh.

P

01:55 - 01:58

||||| 6-7

PaP

RU OBB Personverkehr

## 2 Path request 2

...

## MAV / KTI

Path request name

Weekend PR

## Locations

Collapse all

+ add location

| Location *       | Arrival     | Departure * | Dwell time (min) | Train number | Activity type |
|------------------|-------------|-------------|------------------|--------------|---------------|
| Breda ▾          | 18:20 ⚙     | 18:30 ⚙     | 15               | 123456789    | + add         |
| Location type *  | Path number | Owner IM    |                  |              |               |
| Intermediate ✕ + | 123456789   | Infrabel    |                  |              |               |

+ add location

| Location *       | Arrival     | Departure | Dwell time (min) | Train number | Activity type                     |
|------------------|-------------|-----------|------------------|--------------|-----------------------------------|
| Breda ▾          | 18:20 ⚙     | 18:30 ⚙   | 15               | 123456789    | Loco change ✕<br>Staff change ✕ + |
| Location type *  | Path number | Owner IM  |                  |              |                                   |
| Intermediate ✕ + | 123456789   | Infrabel  |                  |              |                                   |

+ add location

| Location *       | Arrival     | Departure | Dwell time (min) | Train number | Activity type                                                        |
|------------------|-------------|-----------|------------------|--------------|----------------------------------------------------------------------|
| Breda ▾          | 18:20 ⚙     | 18:30 ⚙   | 15               | 123456789    | Loco change ✕<br>Staff change ✕<br>Loco change ✕<br>Staff change ✕ + |
| Location type *  | Path number | Owner IM  |                  |              |                                                                      |
| Intermediate ✕ + | 123456789   | Infrabel  |                  |              |                                                                      |

No variation selected

Reset

full view

^ ★ SNCB / ★ Infrabel

1 Bruxelles - Antw Summer timetable

1 2 3 4 5 6 7 8 9 10 11 12 1,3

11:45 - 18:30

25 min

## Bruxelles-Midi

|               |                                  |
|---------------|----------------------------------|
| Location type | Origin                           |
| Activity      | Commercial stop<br>Boarding only |
| Train number  | 12355                            |

12:36 - 12:38

25 min

## Antwerpen-Berchem

|               |                 |
|---------------|-----------------|
| Location type | Handover        |
| Activity      | Commercial stop |
| Train number  | 12355           |

2 Bruxelles - Antw Fall timetable

1 2 3 4 5 6 7 8 9 10 11 12 1,3

11:45

## Bruxelles-Midi

|               |                                  |
|---------------|----------------------------------|
| Location type | Origin                           |
| Activity      | Commercial stop<br>Boarding only |
| Train number  | 12355                            |

12:08 - 12:11

25 min

## Brussels Airport - Zaventem

|               |                 |
|---------------|-----------------|
| Location type | Intermediate    |
| Activity      | Commercial stop |
| Train number  | 12355           |

3 Bruxelles - Antw Winter timetable

1 2 3 4 5 6 7 8 9 10 11 12 1,3

11:45

## Bruxelles-Midi

|               |                                  |
|---------------|----------------------------------|
| Location type | Origin                           |
| Activity      | Commercial stop<br>Boarding only |
| Train number  | 12355                            |

12:08 - 12:11

25 min

## Brussels Airport - Zaventem

|               |                 |
|---------------|-----------------|
| Location type | Intermediate    |
| Activity      | Commercial stop |
| Train number  | 12355           |

Missing connection



4 Bruxelles - Antw Spring timetable

1 2 3 4 5 6 7 8 9 10 11 12 1,3

11:45

## Bruxelles-Midi

|               |                                  |
|---------------|----------------------------------|
| Location type | Origin                           |
| Activity      | Commercial stop<br>Boarding only |
| Train number  | 12355                            |

12:08 - 12:11

25 min

## Brussels Airport - Zaventem

|               |                 |
|---------------|-----------------|
| Location type | Intermediate    |
| Activity      | Commercial stop |
| Train number  | 12355           |

^ ★ SNCB / ProRail

Bruxelles - Antw Summer timetable

1 2 3 4 5 6 7 8 9 10 11 12 1,3

RailNetEurope

# 03 Train Information System (TIS)



# Train Information System

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Covered separately!



RailNetEurope

# Common Interface



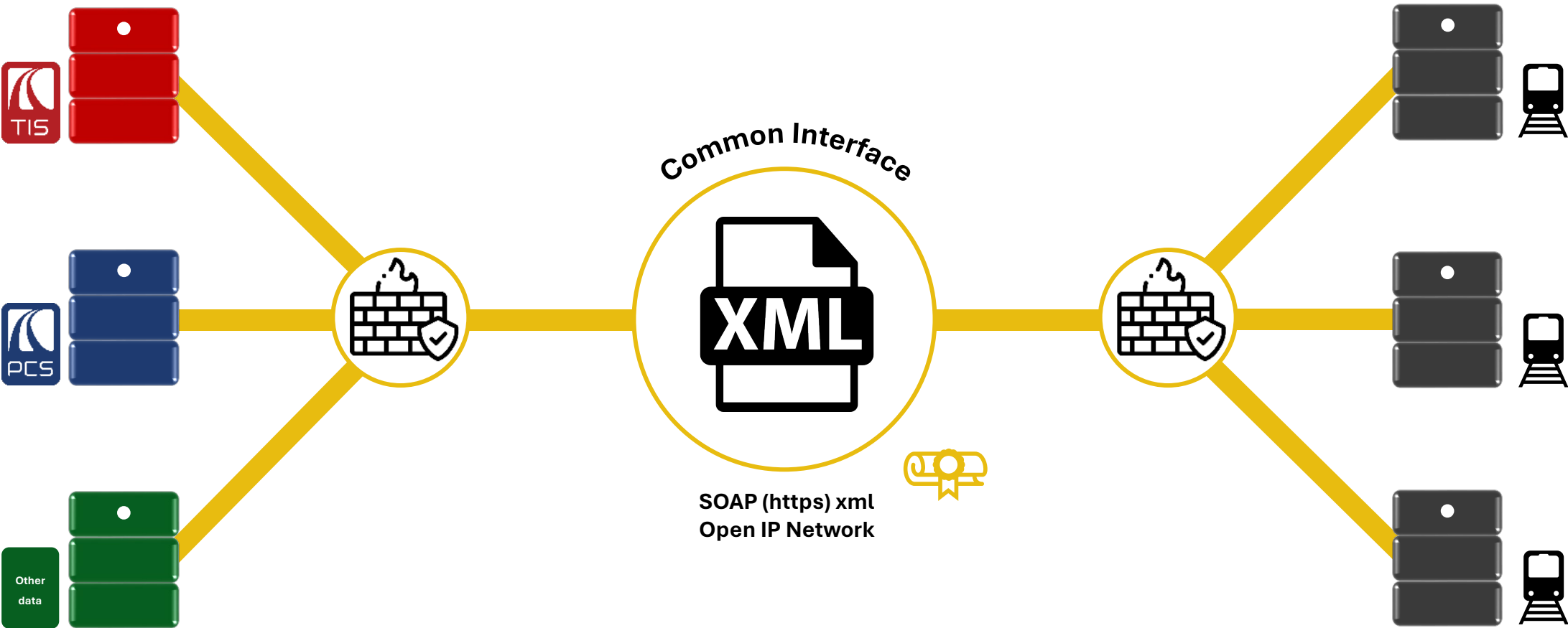
# The Connector: RNE Common Interface

---

The RNE Common Interface is:

- is a **TAF/TAP TSI** message exchange **peer to peer application**,
- can be **locally installed** in **customers' data centers**,
- can also be **used to exchange** other **customer-specific messages**.

# Common Interface



# Summary – RNE IT Strategy

---

- **One common architecture** — aligns business needs, EU rules and TSIs, and national IM systems.
- **Three connected domains** — Infrastructure Information, Digital Capacity Management, and Train Information.
- **Seamless European workflows** — replace fragmented planning and country-by-country allocation.
- **RIS** — consolidates reference, topology and infrastructure data for sector applications.
- **CPT + PCS** — coordinate advance planning and cross-border path requests and allocation.
- **TIS** — provides real-time train information and supports evolving traffic-management use cases.
- **Common Interface + Telematics TSI** — standardise interoperable message exchange.
- **Sector cooperation drives delivery** — by aligning architecture, regulatory interpretation and compliance roadmaps.

# Contact

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**Andras Till**

Team Leader CM IT –  
Deputy to the CIO

+43 676 622 44 98

[andras.till@rne.eu](mailto:andras.till@rne.eu)

**RailNetEurope**

Austria Campus 3

Jakov-Lind-Straße 5

1020 Vienna, Austria

[www.rne.eu](http://www.rne.eu)

RailNetEurope

# 05 Legal Matters, Network Statement, Regulatory Affairs

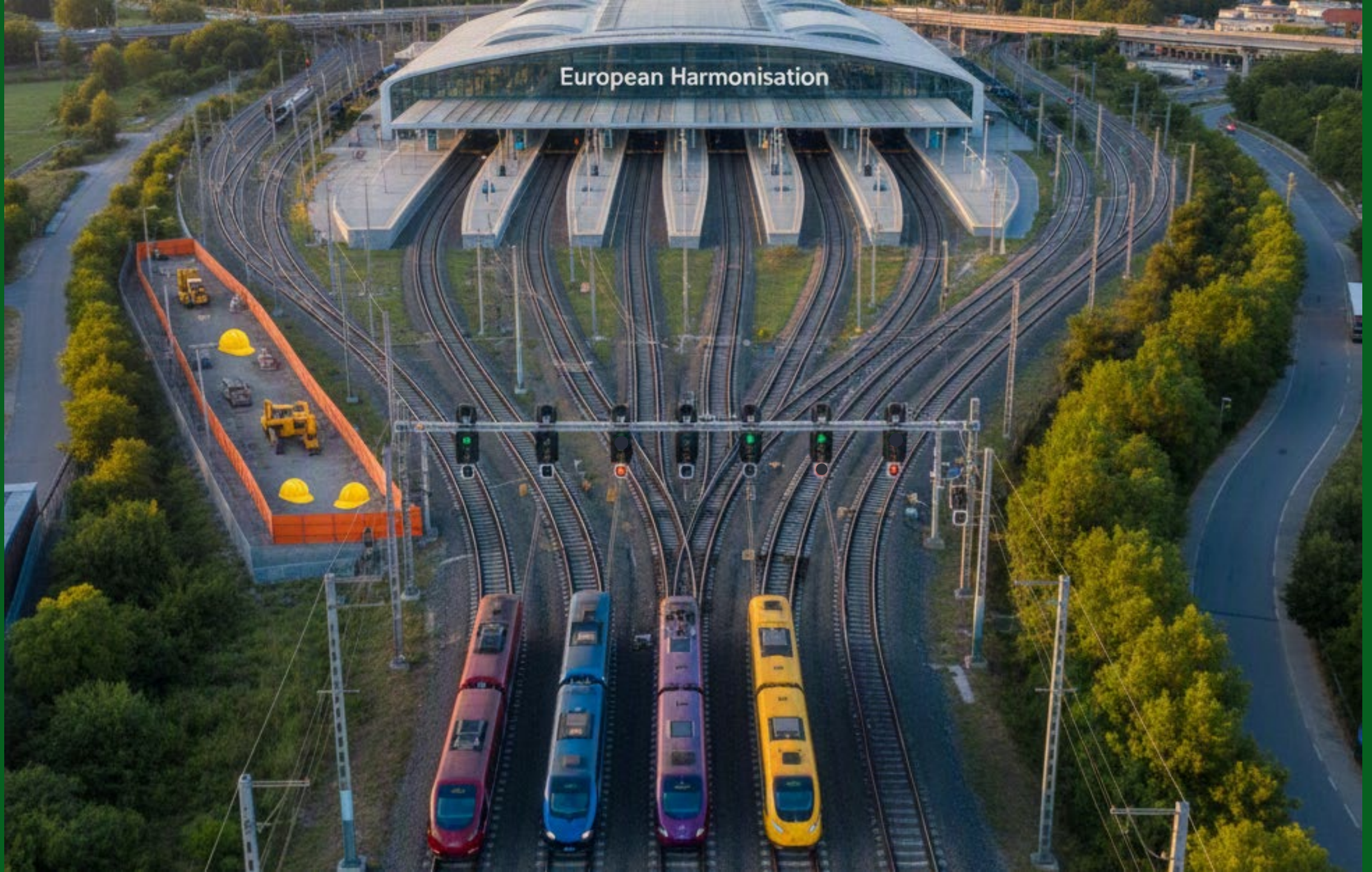




# European Harmonisation



# European Harmonisation



# European Harmonisation



# RNE Legal Matters and Regulatory Affairs

---



# RNE Legal Matters and Regulatory Affairs

---



## Corporate Legal Services

- RNE Statutes, internal regulations and policies
- Contract management and public procurements
- Legal aspects of IT and data management
- Development of common templates and standards

# RNE Corporate Legal Services

---

## RNE Statutes

Describe RNE's mission, objective, membership, defining the roles of the different functions



## RNE IROGs (Internal Regulations and Operational Guidelines)

Provide further descriptions of roles, rules, and procedures on business activities

# RNE Corporate Legal Services

---

## RNE Statutes

Describe RNE's mission, objective, membership, defining the roles of the different functions



## RNE IROGs (Internal Regulations and Operational Guidelines)

Provide further descriptions of roles, rules, and procedures on business activities

The RNE's founding documents are being revised in anticipation of its appointment as the network coordinator in September 2026

Approval by the RNE  
General Assembly

December 2026

# RNE Corporate Legal Services

## RNE Foundations

RNE Statutes | RNE IROGs |  
Rules of procedure of RNE  
groups

## RNE Joint Office Daily Business

JO Routines | HR | Taxation |  
Fire Officer

## RNE Personal Data

RNE Privacy Policy | Cookie  
Policy | RNE JO Privacy Policy |  
RNE Social Media Policy



## RNE Non-personal Data

RNE Non-personal Data  
Policy | RNE IT Service  
Catalogue | + others

## RNE Information Security Management

RNE IT Compliance Guideline  
| ISO 27001:2022 Certificate

## New/updated policies and trainings

RNE Public Procurement  
Policy | RNE AI Policy

# RNE Legal Matters and Regulatory Affairs



- RNE Statutes, internal regulations and policies
- Contract management and public procurements
- Legal aspects of IT and data management
- Development of common templates and standards



- Implementation and monitoring of EU legislation and new legislative initiatives
- Support to business areas on regulatory deliverables
- Set-up and manage EU-level relations with RBs
- Contribute to key RNE projects (e.g. Network Coordinator)

# RNE Legal Matters and Regulatory Affairs



Ongoing legal checks of landmark documents in various task forces of the RNE Legal Matters Working Group

- **ENIM Consultation Guidelines**
- **European Frameworks**
- **Network Statement Common Structure**
- **Network Coordinator Annual Work Program**
- **Monitoring of legislative initiatives and support to SERAF Subgroups activities**
- **Advice RNE business areas and IMs' experts on requirements from EU legal framework**











## Services of General Economic Interest (SGEI)



# REGULATION



# ANTITRUST

# REGULATION



## VS

# ANTITRUST



# REGULATION

and

# ANTITRUST



# Legal framework

---

1<sup>st</sup> railway package  
(2001)

Directive  
2012/34/EU (SERA)

National laws

# Legal framework

---

1<sup>st</sup> railway package  
(2001)

Directive  
2012/34/EU (SERA)

National laws

## Regulatory Bodies' tasks

- Assessment of the **network statement**;
- the **allocation process** and its result
- the **charging scheme** and the structure of infrastructure charges which are, or may be, required to pay
- **Access** to the **railway network and services**, including charges
- **Traffic management** and **renewal** planning and scheduled or unscheduled **maintenance**;
- compliance with the requirements of **independence** of infrastructure managers and essential functions

# Legal framework

---

1<sup>st</sup> railway package  
(2001)

Directive  
2012/34/EU (SERA)

National laws

Capacity Regulation  
2026/1184

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(2001)

Directive  
2012/34/EU (SERA)

National laws

Capacity Regulation  
2026/1184

## Regulatory Bodies' tasks

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- **Access** to the **railway network and services**, including charges
- **Traffic management** and **renewal** planning and scheduled or unscheduled **maintenance**;
- compliance with the requirements of **independence** of infrastructure managers and essential functions
- Monitor the **implementation** and **compliance** with the Regulation
- Scrutinise **Capacity Supply** and approve level of **penalties**
- Involve other RBs and ENRRB on **multinetwork capacity** issues
- Provide **explanation** on decisions **diverging** from ENRRB's opinions or recommendations

# European Network of Rail Regulatory Bodies (ENRRB)

Created in March 2013 to facilitate the **active cooperation** of national rail regulatory bodies.



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Created in March 2013 to facilitate the **active cooperation** of national rail regulatory bodies.



Main tasks are :

- to **exchange information** about their work and decision-making principles and practices, and work together in a network for **coordinating their decision-making across the Union**
- to **develop common principles and practices for making the decisions**
- to **adopt reports/and or recommendations**, in particular on common principles and practices of their decision-making.

# European Network of Rail Regulatory Bodies (ENRRB)

Created in March 2013 to facilitate the active cooperation of national rail regulatory bodies

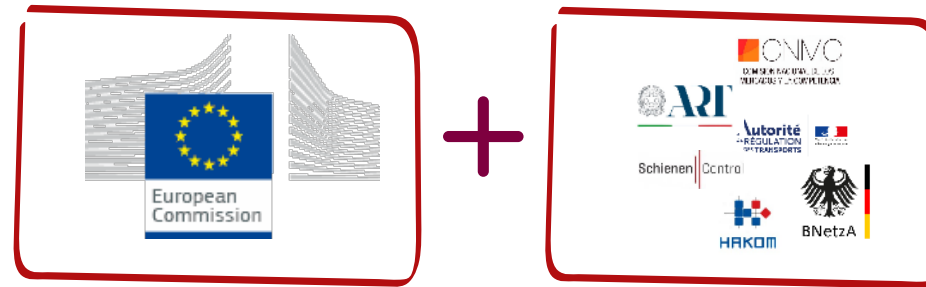


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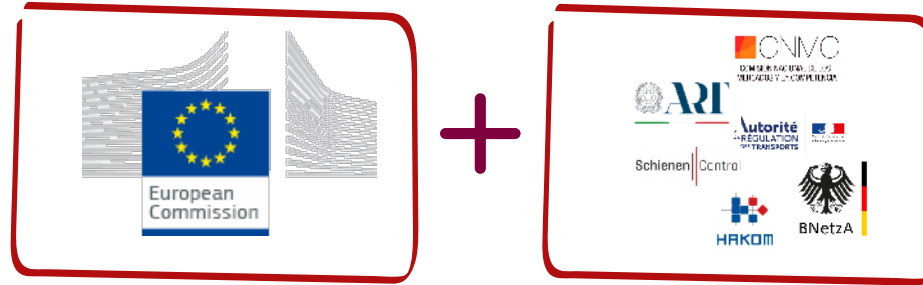
# European Network of Rail Regulatory Bodies (ENRRB)

## ENRRB CO-CHAIRS



# European Network of Rail Regulatory Bodies (ENRRB)

## ENRRB CO-CHAIRS



## New role and tasks, in addition to those under Directive 2012/34:

- adopt opinions/recommendations on the **European Frameworks and Network Statement common structure**
- adopt opinions/recommendations on **decisions taken by ENIM**, in cooperation with the Network Coordinator
- adopt opinions/recommendations following **requests** or **complaints** of applicants, SFOs and other parties
- advise the Commission and ENIM on **coordination gaps, emergencies and penalty guidelines**
- **issue own-initiative opinions** within its remit
- **set up** working groups, **appoint** the Chairs and **elaborate** annual report of its activities

# Independent Regulatory Bodies Group (IRG-Rail)



- **Network of 31 independent rail Regulatory Bodies**
- Objectives and Functions:
  - **facilitate** the creation of a single, competitive, efficient and sustainable **internal railways market** in **Europe**
  - a **platform for cooperation**, information exchange and sharing of best practice between national railway regulators in
  - **promote** a **consistent** application of the **European regulatory framework**.

## WORKING GROUPS

- |                                        |                                         |
|----------------------------------------|-----------------------------------------|
| □ <b>Access</b>                        | □ <b>Service Facilities</b>             |
| □ <b>Access to Service Facilities</b>  | □ <b>Emerging Legislative Proposals</b> |
| □ <b>Charges</b>                       | □ <b>Market Monitoring</b>              |
| □ <b>Charges to service facilities</b> | □ <b>Performance Review</b>             |

# New legal framework and future interactions with RBs

---

Until NOW  
in RNE

---

# New legal framework and future interactions with RBs

Until NOW  
in RNE

- **MONITORING** of legislative developments
  - **Interactions** with institutions or associations
  - **Cooperation** with RUs (e.g. TTR LTF)
- **NETWORK COORDINATOR** preparation project



# New legal framework and future interactions with RBs

**Until NOW**  
in RNE

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**FUTURE**  
with ENIM and  
infrastructure  
managers

# New legal framework and future interactions with RBs

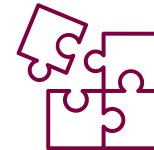
**Until NOW**  
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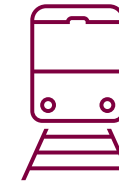


**FUTURE**  
with ENIM and  
infrastructure  
managers

- **ENRRB**
  - European Frameworks
  - Network Statements
  - Opinions and Recommendation
- **Regulatory Bodies**
  - Implementation of the new Regulation
  - National implementation of EFs
  - Monitor national processes compliance



EF for Capacity  
Management



EF for Traffic  
Management



EF for Performance  
Review

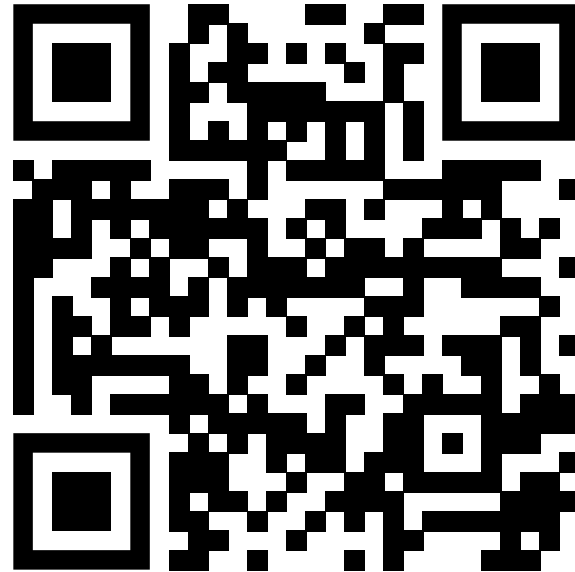


# Polling Question

---

Do you believe **European harmonisation** is already considered when national Regulatory Body's decision-making process?

Scan QR Code  
to participate



## Do you believe European harmonization is already considered when national Regulatory Body's decision-making process?



# Polling Question

---

What key **regulatory challenges** do you **foresee** in the coming years?

Scan QR Code  
to participate



What key regulatory challenges do you foresee in the coming years?

national alignment  
alignment  
fairness of penalties  
**national focus**  
**compliance**  
following new processes  
national stubbornness

# RNE Legal Matters and Regulatory Affairs



- RNE Statutes, internal regulations and policies
- Contract management and public procurements
- Legal aspects of IT and data management
- Development of common templates and standards



- Implementation and monitoring of EU legislation and new legislative initiatives
- Support to business areas on regulatory deliverables
- Set-up and manage EU-level relations with RBs
- Contribute to key RNE projects (e.g. Network Coordinator)

# RNE Legal Matters and Regulatory Affairs



## Corporate Legal Services

- RNE Statutes, internal regulations and policies
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## Legal and Regulatory Affairs

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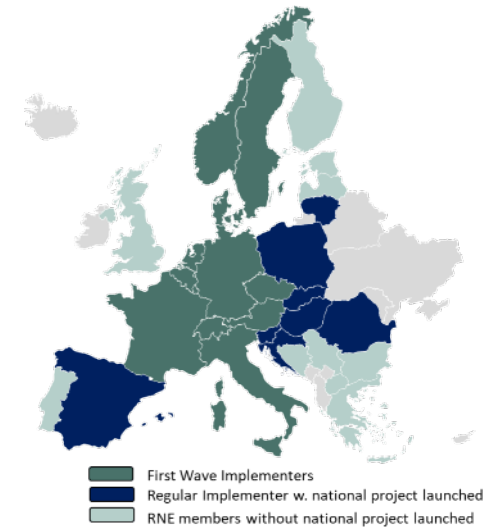
## Network Statement and Commercial Conditions

- Commercial Conditions
- Network Statement and CID
- Rail Facilities Portal

# TTR Commercial Conditions project

Geographical  
Scope (original)

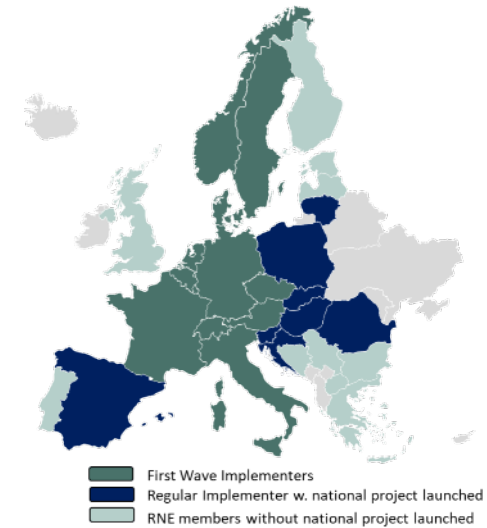
IMs involved in the TTR project worked on the elaboration of harmonised Commercial Conditions Guidelines, aiming to provide a **feasible** and Europe-wide **applicable solution** to support the TTR implementation



# TTR Commercial Conditions project

## Geographical Scope (original)

IMs involved in the TTR project worked on the elaboration of harmonised Commercial Conditions Guidelines, aiming to provide a **feasible** and Europe-wide **applicable solution** to support the TTR implementation



Prevent misuse of infrastructure capacity



Change behavior



Steer, but not punish



Support new Capacity Management process

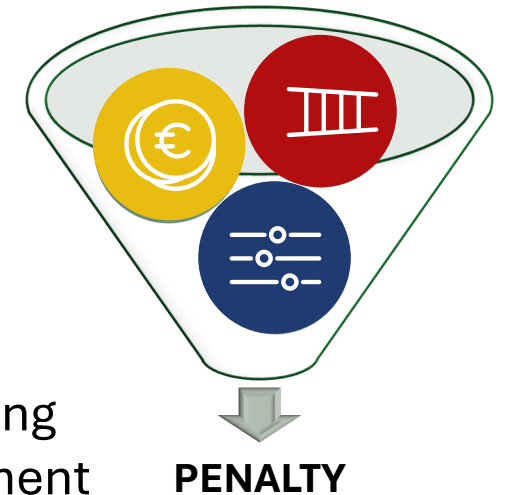
## Goals

# New art. 42 and review of the project

**Article 42 of Regulation EU 2026/1184** requires the implementation of a **penalty mechanism** based on:

- **Values** of the penalty between 1€ and 8 €, defined at national level
- **Distance** (km) of the affected train path (capacity)
- **Modulation factor**, according to the Guidelines elaborated by ENIM

It is applied to **changes of capacity rights** classified as “**significant**”, according to the procedures indicated in the European Framework for Capacity Management



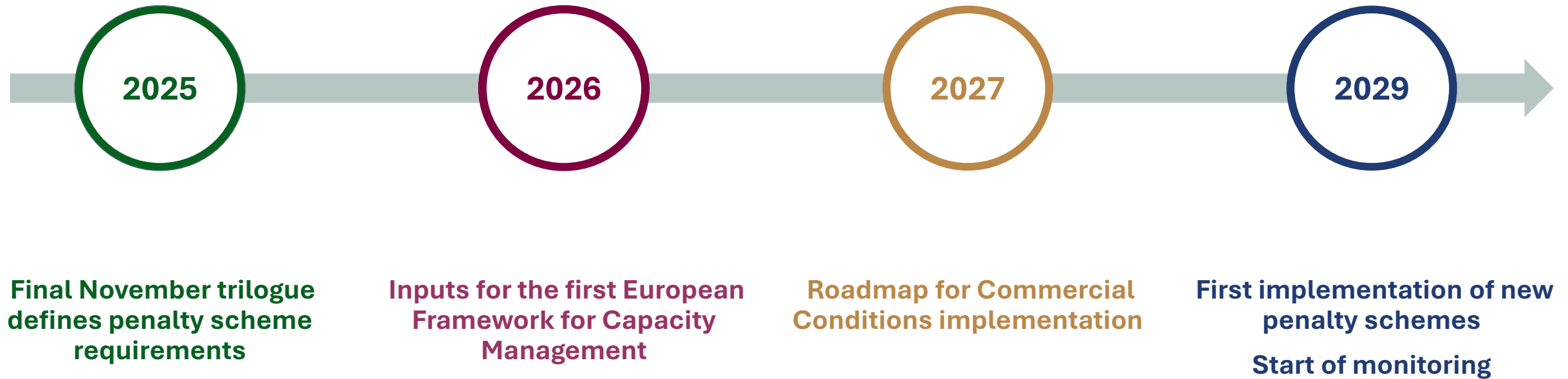
From January 2026, RNE CCs TF has developed a draft *Guidelines for the modulation of the penalties*, which describes the modulation scheme for the applicants and for the infrastructure managers

# Key components of modulation schemes



# Implementation Roadmap

---



# Polling Question

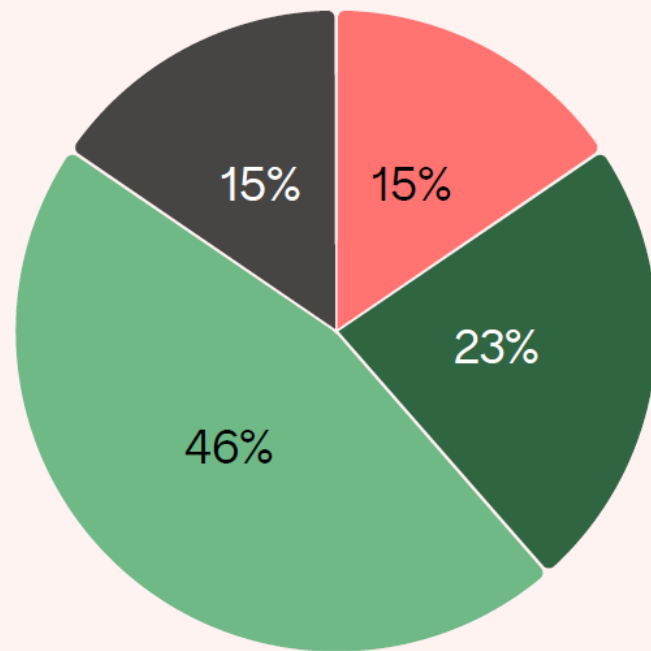
---

What do you consider the **most critical aspect** for the **successful implementation** of new **penalty schemes**?

Scan QR Code  
to participate



# What do you consider the most critical aspect for the successful implementation of new penalty schemes?



- 0% Consistency with national laws
- 15% Availability of digital tools
- 23% Timelines for implementation
- 46% Adequate level of penalties
- 15% Implementation for all capacity products (e.g. framework agreements, rolling planning)
- 0% Others

# Network Statement & Corridor Information Document (CID)

---



# Network Statement & Corridor Information Document (CID)

---

Common Structure



Harmonised texts



Glossary



Implementation  
Guide



**RNE NS &  
CID WG**



# Network Statement & Corridor Information Document (CID)

Common Structure



Harmonised texts



Glossary



Implementation  
Guide



Network and Corridor  
Information system  
(NCI)



**RNE NS &  
CID WG**



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Common Template for  
Service Facilities



Rail Facilities Portal



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CID WG**

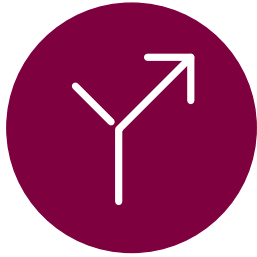


Charging Information  
System

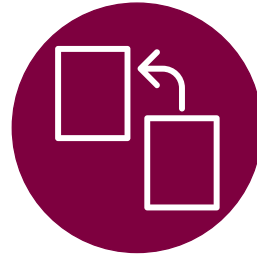


# Regulation EU 2026/1184 – article 65

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**Deviations from the European Frameworks**



**ENIM to adopt the Network Statement Common Structure**



**Common schedule for stakeholder consultation of draft Network Statements**

# Main Changes Introduced by Regulation (EU) 2026/1184 – A comprehensive new Network Statement

1

European  
Frameworks

Alignment with  
European  
Frameworks  
(EUFs)

2

Capacity  
Management

Strategic  
Capacity  
Planning,  
Capacity Model,  
Capacity  
Allocation and  
Capacity Rights

3

Traffic  
Management

Harmonised  
operational  
procedures and  
coordination

4

Service  
Facilities

Enhanced  
transparency on  
access  
conditions and  
available  
services

5

Performance  
Review

Publication of  
performance  
indicators,  
monitoring  
methodology and  
continuous  
performance  
assessment

6

Consultation  
& Deviations

Common  
consultation  
process and  
transparent  
deviation  
management

# Four key steps for the new NS Common Structure

1

## New Publication Timeline

- Publication moved from December (X-12) to October (X-13.5)
- Alignment with the new capacity request deadlines (x-9.5)

2

## Deviation Management

- New Section 1.4.2
- Common Annex 1.4.2
- Standard justification for deviations and easy monitoring

3

## Consultation description (Common Schedule)

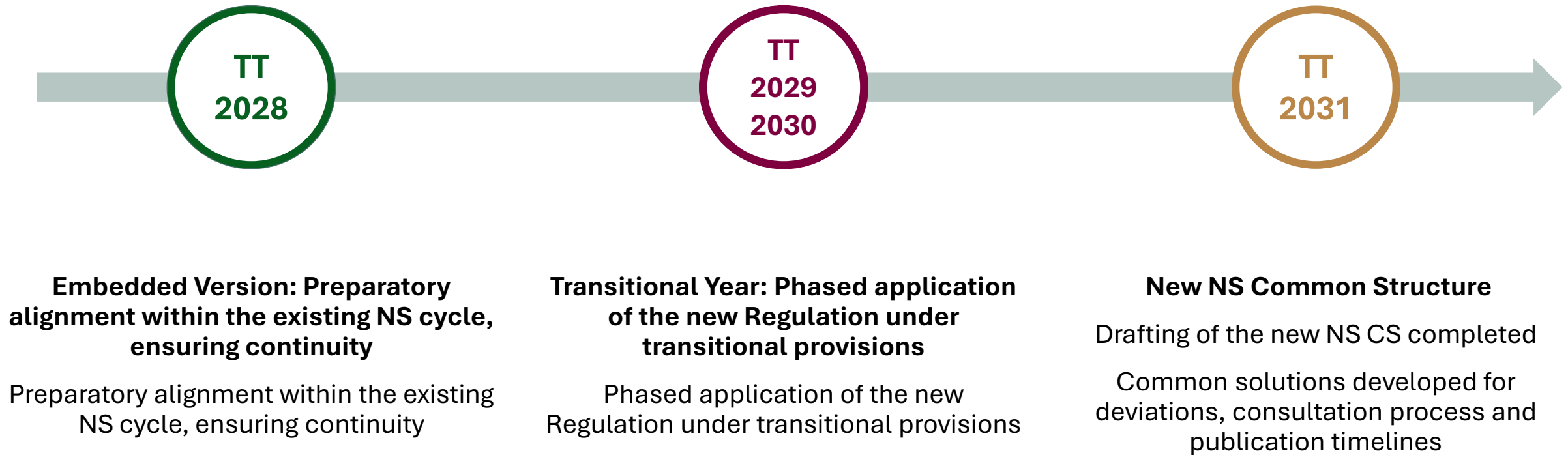
- Improved information on the procedure
- Harmonised consultation schedule (in progress)
- Regulatory Body involvement

4

## Full implementation

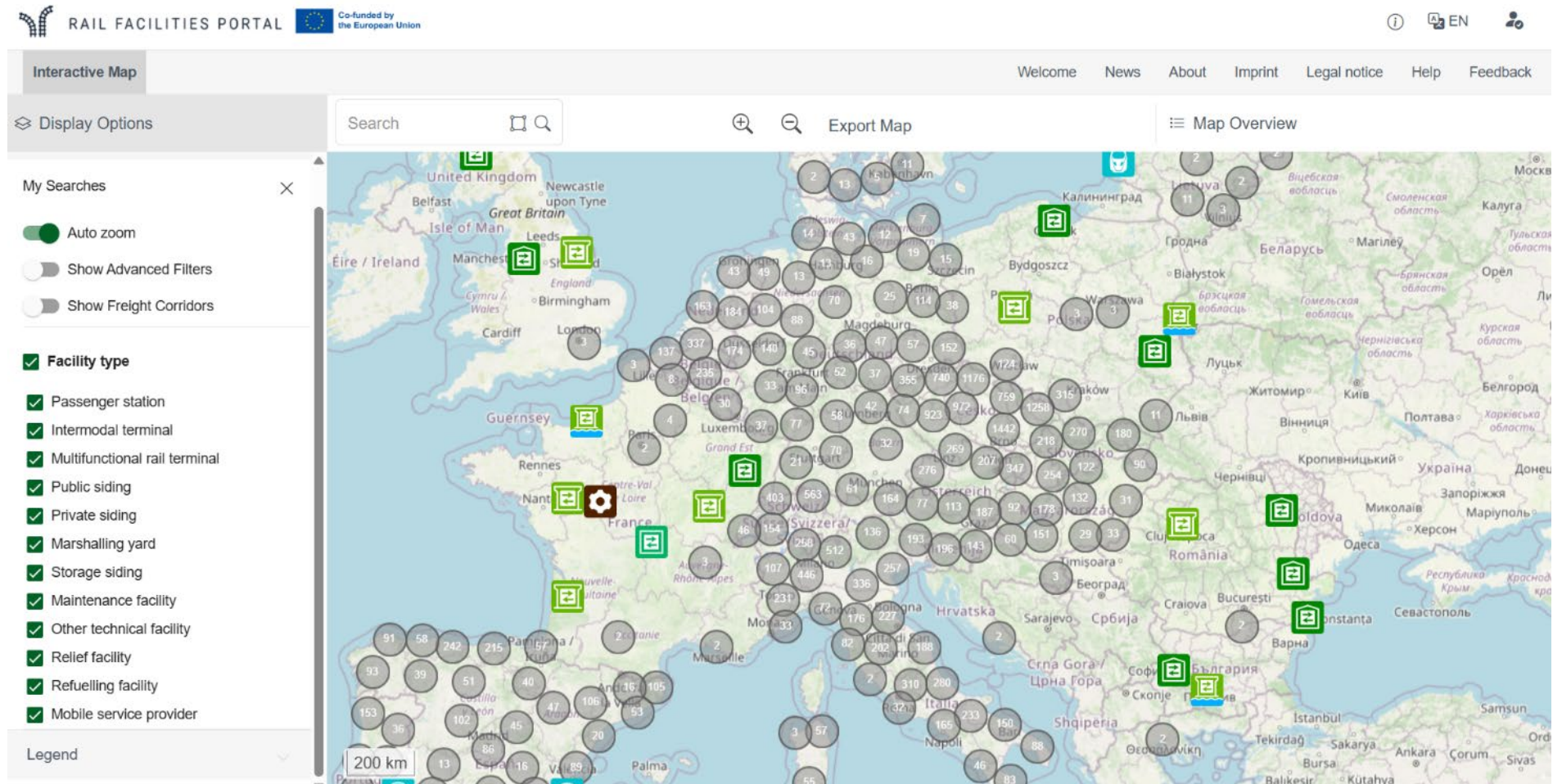
- Transition period for TTs 2028 to 2030
- Full update of the NS common structure from TT 2031
- Common solutions developed and „new“ Network Statement publication in Q4 2029

# Implementation Roadmap



# Rail Facilities Portal

- First created upon European Commission initiative
- Follows Regulation EU 2177/2017
- Provides information on Service Facilities
- Business and Compliance tool



# Some figures on RFP's data

| Service Facilities per MSs (selection) |       |
|----------------------------------------|-------|
| Austria                                | 1,470 |
| Belgium                                | 799   |
| Croatia                                | 13    |
| Czech Republic                         | 8,246 |
| France                                 | 24    |
| Germany                                | 1,717 |
| Hungary                                | 896   |
| Italy                                  | 3,334 |
| Latvia                                 | 132   |
| Lithuania                              | 298   |
| Netherlands                            | 602   |
| Norway                                 | 481   |
| Poland                                 | 25    |
| Portugal                               | 467   |
| Slovakia                               | 1,021 |
| Slovenia                               | 292   |
| Spain                                  | 1,973 |
| Sweden                                 | 14    |
| Switzerland                            | 1,049 |

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# Some figures on RFP's data

Total Number of Service Facilities: **23.191**

Most common facility types:  
**Passenger stations, after Storage sidings**

**>830** Visitors per month (average)

# Future expectations and challenges

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**EU REGULATION +  
NATIONAL LEGAL  
FRAMEWORK**

# Future expectations and challenges

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**EU REGULATION +  
NATIONAL LEGAL  
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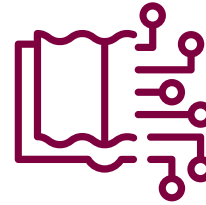
**HARMONISED RBs'  
DECISIONS**

# Future expectations and challenges

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**EU REGULATION +  
NATIONAL LEGAL  
FRAMEWORK**



**HARMONISED PROCESSES**



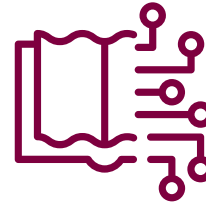
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**HARMONISED PROCESSES**



**HARMONISED RBs'  
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# Contact

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**Daniele Imbriani**

Senior Regulatory Affairs  
Manager

+43 676 770 57 81

[daniele.imbriani@rne.eu](mailto:daniele.imbriani@rne.eu)

**RailNetEurope**

Austria Campus 3

Jakov-Lind-Straße 5

1020 Vienna, Austria

[www.rne.eu](http://www.rne.eu)

# Farewell



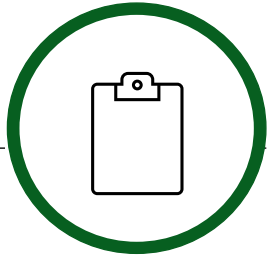
**Katja Krpoun**

Team Leader  
Administration &  
Communications



# Next Steps

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## Your Feedback Matters

You will soon receive our  
post-event survey



## Event Highlights

An article about  
the RNE Summer Academy will  
be published soon



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# Thank you for being part of the **RNE Summer Academy!**

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