+FIRRST Phase 0 Launch: The Digital Simulation

Overview

The +FIRRST **(**FERRMED Fast, Flexible, Integrated Rail-Road System of Transport) constitutes an optimal solution for the efficient development of an integrated multimodal freight transport system in the EU, enabling the achievement of the **socio-economic and environmental objectives** established by the European Commission, with significant savings for all the actors involved in transport and logistics chain.

The key points of the **Phase Zero (Digital Simulation)** of interest are as follows:

- Compliance with the **digital regulations** required from 2027.
- **Key Performance Indicators (KPIs)** (traceability, estimated time of arrival, savings in transport costs, savings in emissions, other externalities, manpower, energy consumption, alternative routes) for integrated multimodal transport compared with road-only transport.
- **Audit and reporting** of KPIs.
- Digital simulation of the **expected results** from the application of the +FIRRST system compared with the current situation.

For your information, we detail the basic implementation points of the **Phase Zero**. During this phase, the following categories of actors forming part of the global logistics chain will be taken into consideration:

- Shippers.
- Freight forwarders / logistics operators.
- Railway infrastructure managers.
- Railway undertakings.
- Road transporters.
- Intermodal terminals.

- Port authorities.
- Port terminals.
- Shipping companies.
- Consignees.
- Shippers, transport and logistics associations

A key element of the project is the creation of a **secure, interoperable +FIRRST digital platform**, compatible with the regulatory requirements established by the EU, together with the corresponding modular layers:

- Interconnection of users' platforms with the +FIRRST platform.
- Provision of the required data by different actors.
- Progressive introduction of data related to the *business logic*.

The integration between the platform and organizations (actors) involved does not require any kind of change to their current systems.

The development of the *business logic* will involve a comparison of KPI values between the actual data provided by the actors and the theoretical results generated.

The +FIRRST System Implementation Pilot Test is **supported by a Stakeholders' Alliance** promoted by ESC, FERRMED, IRU and UIRR, and composed by important members of the global logistics chain.

We hope that being part of the **Stakeholders' Alliance**, and also of the exclusive group of actors involved in the **+FIRRST Phase Zero (Digital Simulation) Pilot Test** will be of interest to your organization. Please let us know about these proposals in: bureau@ferrmed.com

Please save the date for the FERRMED Conference on +FIRRST Phase Zero: Digital Simulation on **November 19th, 2026.** Looking forward to seeing you on this occasion.

Find below the promoters and the members of the +FIRRST Stakeholders' Alliance at the moment.

+FIRRST Pilot Test Stakeholders' Alliance promoters



*From left to right: Ralf Charley Schultze (**UIRR** Director General), Raluca Marian (**IRU** Director EU Advocacy and General Delegate of the Permanent Delegation to the EU), Joan Amorós (**FERRMED** President) and Godfried Smit (**ESC** Secretary General)*

And the support of