

**REIF**

**REGIONAL INFRASTRUCTURE FOR RAILWAY  
FREIGHT TRANSPORT - REVITALISED**

**Pilot Action #5 - ITL & RER**

Freistaat Thüringen  
Ministerium für Infrastruktur und Landwirtschaft

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Porti di Trieste e Monfalcone

Klaster intermodalnog prijevoza

ITL  
INFRASTRUTTURA TRASPORTI LOGISTICI

Regione Emilia-Romagna



ITL Foundation and Emilia-Romagna Region are responsible for the development of Pilot Action #5. The objective of REIF Pilot Action #5 is to develop and bring up to date the regional transport model for Emilia-Romagna and use it to test possible action to overcome current bottlenecks affecting the rail freight network in the region, and its connections to the national and trans-European rail network and freight corridors.

The rationale of the new model is directly based on the latest theoretical development in freight transport simulation, it includes three main innovations, regarding: the description of freight demand, with a clear distinction between Freight Generation (FG) and Freight Traffic Generation (FTG) approaches; the description of transport supply, which is now strictly linked to the different logistic networks operating in the regional territory; the simulation of modal split, that is became a part of the more general joint choice of transport service and shipment size, following the Harris formula based on Total Logistic Cost (TLC).

Once all the data elaboration, included in the Pilot activities, will be implemented in the regional freight transport model, regional transport planning offices will be provided with an updated model able to assess policy planning actions on possible future infrastructure and market scenarios.

The last phase of Pilot action will be focused on the evaluation of innovative methods for gathering and implementing freight traffic data (big data analysis) on the test of their reliability.