

Overview of the FOR-FREIGHT project

Measurement and Simulation in Romanian Modal Freight Transport
ATOMS 2024 Conference
August 29th, 2024



FOR-FREIGHT snapshot

Project: Flexible, multi-mOdal and Robust FREIGHt Transport (101069731)

Topic: HORIZON-CL5-2021-D6-01-07 - More efficient and effective multimodal freight transport nodes to increase flexibility, service visibility and reduce the average cost of freight transport

Duration: September 2022-December 2025 (40 months)

www.for-freight.eu & <https://twitter.com/forfreight22>

Scope:

Aims to maximize the **utilization of multimodal freight transport capacity** and **reduce the average cost** of freight transport through the development of novel solutions and their integration with legacy logistics systems.

This will enable more **effective and sustainable management of goods and freight** flows in airports, ports, inland terminals and various logistics nodes, taking into account the requirements of all involved stakeholders, and accounting for **economic, environmental and social aspects**.

Partners:



FOR-FREIGHT objectives & main solutions

Objectives:

- Facilitate greenhouse gas emissions reduction through.
- Provide automated decision support system functionalities
- Ensure the resilience of data and management systems
- Provide full visibility of the standard services offered by the multimodal freight transport.
- Ensure compatibility of deployed solutions with existing legacy systems.

Solutions:

- Target the end-to-end optimization of multimodal
- Multi-stakeholder logistics processes
- Improved access to transshipment services through the following Unique Value Propositions
- Enfold a broad spectrum's requirements of the most Transport and Logistics stakeholders



Mapping requirements :

- Reduce delays, accidents and errors through technology implemented
- Compatibility with existing and emerging EU logistics standards
- Automatic reservation to railway, using a unique cargo ID
- Real-time data regarding the storage space and resources available DevOps
- The combination of knowledge, practices, and tools that increases the FOR-FREIGHT partners ability to deliver orchestrated applications and services
- Speed & Scale
- Reliability
- Improved Collaboration Security



Maximize the utilization of multimodal freight transport capacity and reduce the average cost of freight transport through the development of novel solutions and their integration with legacy logistics systems. FOR-FREIGHT overall concept & envisioned platform architecture is focusing on logistics solutions to be developed and demonstrated.

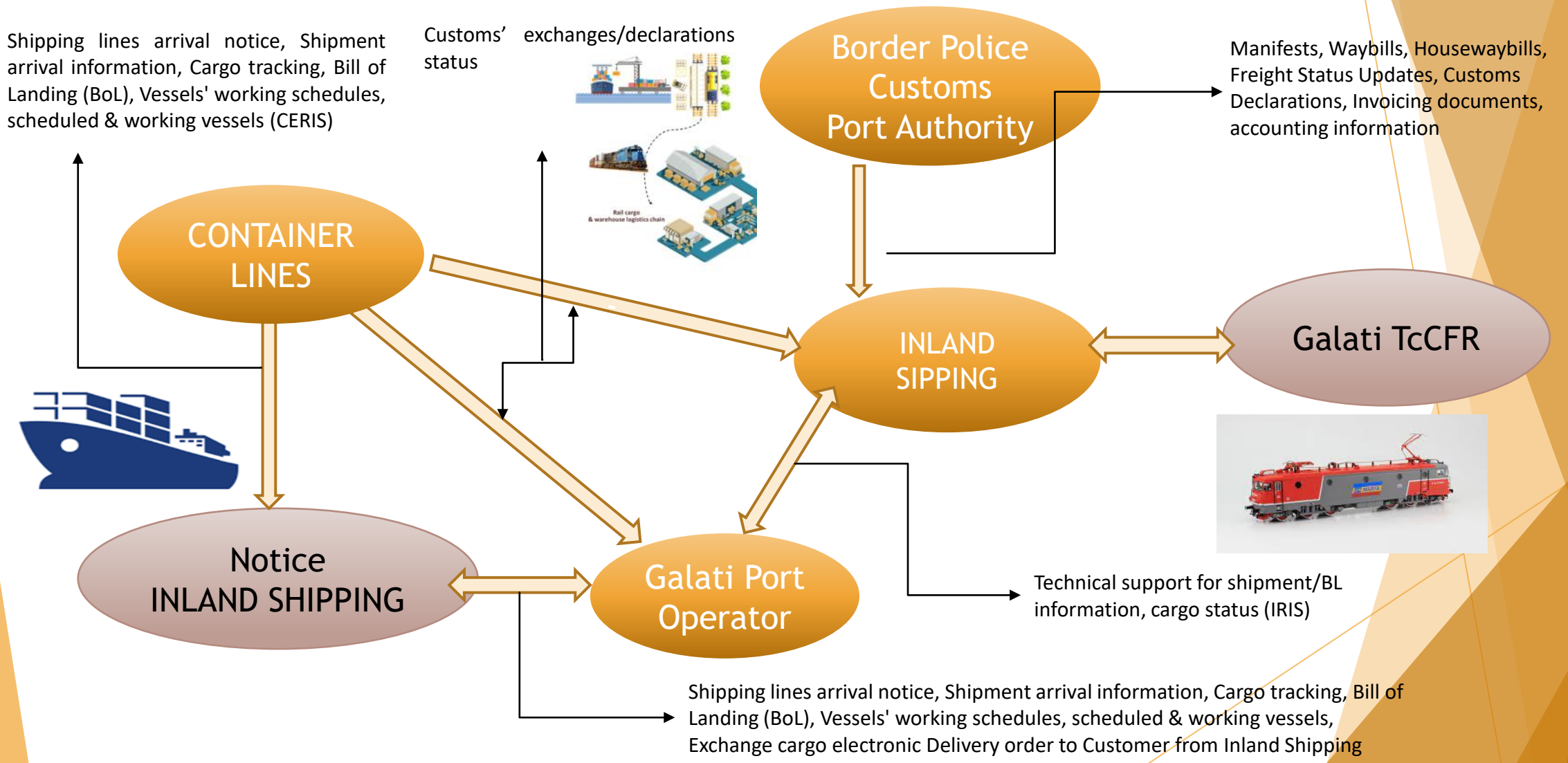
Practical use case definition and deployment:

During/post project

Scale up use case

Romania (RO) Use Case

Overview





Contact
Details



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