USE CASES

Use Case 1

Blockchain & Digital Twins to support Decision Making Process in multimodal transport combined with a Subway-Based Network for sustainable last mile distribution (Spain).

Use Case 2

Port-to-Airport multimodal freight transport: End-to-end optimization with DSS and real-time monitoring & control capabilities (Greece).

Use Case 3

Riverport to warehouse hub via railway network – Galati Port (Romania).

FOR FREIGHT

Project Coordinator:
Dr. Georgia Ayfantopoulou

www.for-freight.eu

The FOR-FREIGHT project has received funding from Horizon Europe, under Grant Agreement No. 101069731.

FOR FREIGHT

Flexible, multi-mOdal & Robust FREIGHt Transport

Project start: 01/09/2022
Duration: 40 Months
EC Budget: 7,151,679€
Partners: 18

The FOR-FREIGHT project has received funding from Horizon Europe, under Grant Agreement No. 101069731.

ABOUT

FOR-FREIGHT aims to maximise the utilisation of multimodal freight transport capacity, achieve competitive sustainability with higher levels of efficiency, and reduce the average cost of freight transport through the development of novel solutions and their integration with legacy logistics systems. The project also targets the end-to-end optimization of multimodal/multi-stakeholder logistics processes and improved access to transshipment services.

KEY OBJECTIVES

1. Design and develop novel and interoperable T&L solutions that will deliver increased Transport & Logistics (T&L) node operational capacity and increased efficiency and sustainability of multimodal and transshipment T&L services.

2. Build and deliver three state-of-the-art T&L experimentation facilities based on real operational multi-stakeholder environments supporting multimodal & transshipment Intermodal Transport Units logistics.

3. Validate the FOR-FREIGHT solutions in real-life multimodal/multi-stakeholder environments using real end-user data based on carefully designed Use Cases that will showcase the maturity and business-readiness of the solutions (TRL≥ 7), demonstrating the superior performance of the integrated, multi-stakeholder logistics chain management.

4. Foster the development and demonstrate the effectiveness of novel business models and collaborative approaches for interoperable, integrated and cooperative T&L services, utilizing a comprehensive data governance framework.

5. Ensure compatibility with existing and emerging EU logistics standards, promote and contribute to the standardisation of multimodal, multi-stakeholder end-to-end freight management solutions.

CONSORTIUM

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