



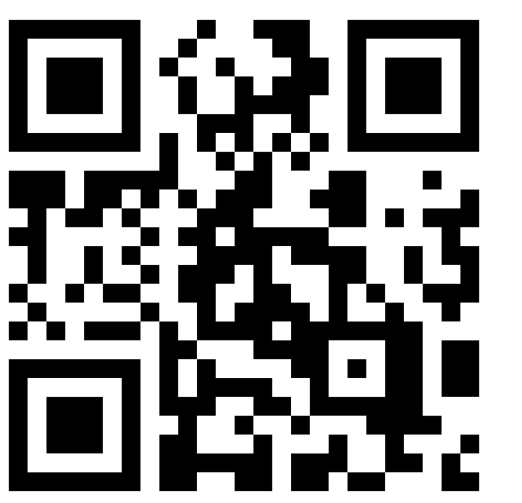
DELPHI

FEDERATED NETWORK OF PLATFORMS FOR PASSENGER AND FREIGHT INTERMODALITY

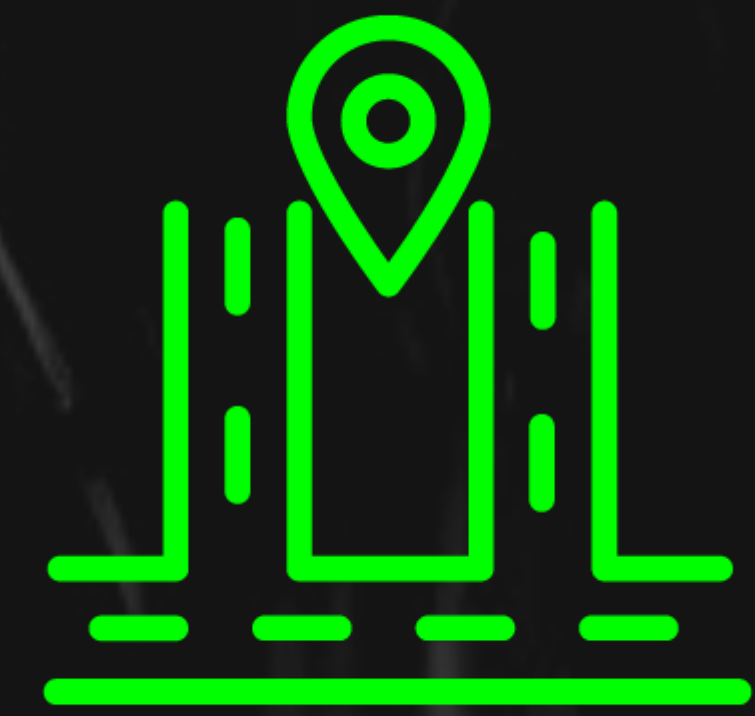


Funded by the European Union

DELPHI project has received funding under grant agreement No 101104263. It is funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Climate, Infrastructure and Environment Executive Agency (CINEA). Neither the European Union nor the granting authority can be held responsible for them.

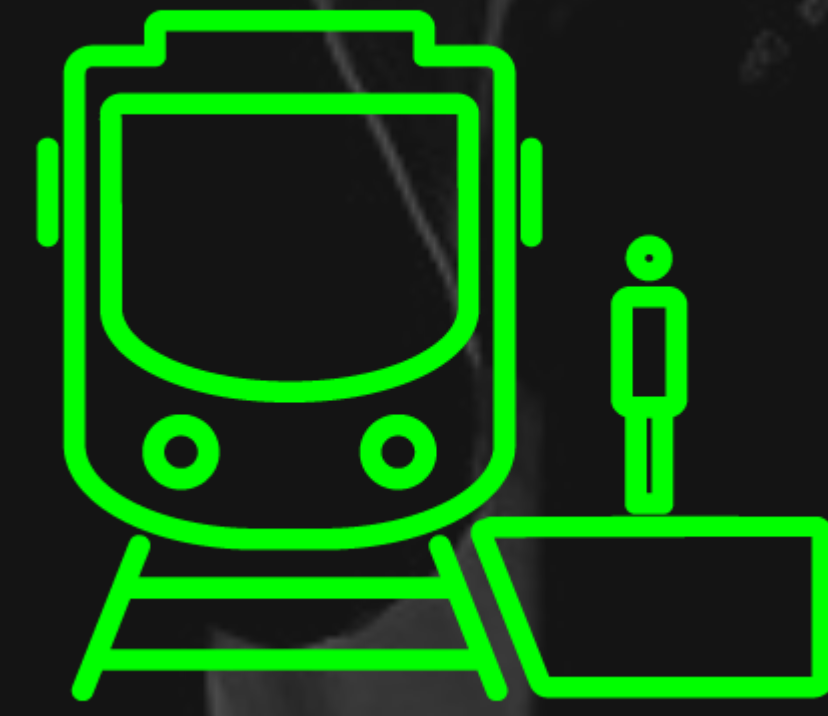


www.delphi-project.eu



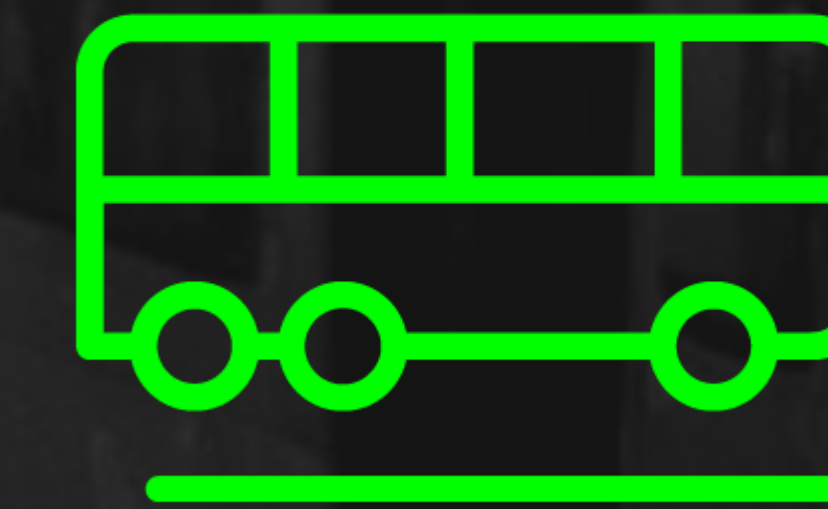
USE CASE #1

Multimodal transport for a Sustainable Last Mile Delivery supported by blockchain for sharing economy in the e-commerce Channel (Spain)



USE CASE #2

Integrated freight and passengers' models and data sharing framework in the Attica region (Greece)



USE CASE #3

Integrated freight and passengers' models and data sharing framework at the island of Mykonos (Greece)



USE CASE #4

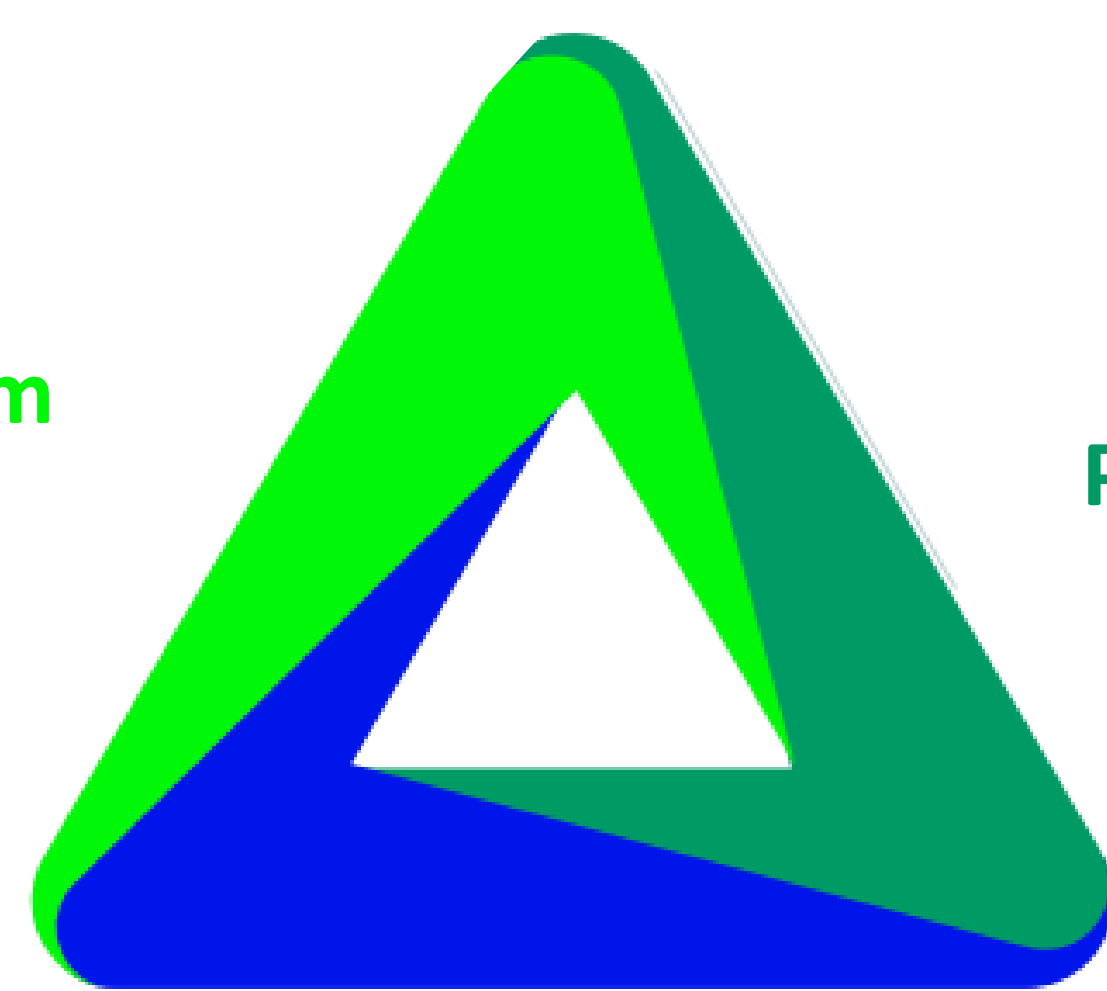
Integrated passengers' models and data sharing governance framework in the Cluj-Napoca Metropolitan Area (Romania)

Integrating passenger and freight transport in a single system, working towards integrating sectors, harmonizing data, and leveraging advanced methodologies, to transform transportation systems.

Objectives

DELPHI concept

1st pillar
Governance, Ecosystem specification



2nd pillar
Architecture, Data, Processing, Optimisation

3rd pillar
Validation activities through realistic pilot demonstrations

1

Novel **governance and regulatory schemes**, towards a **harmonized digitalization of the end-to-end information flows** of international supply chains, and **multimodal passenger transportation systems**.

3

Design and develop an **Artificial Intelligence / Machine Learning (AI/ML)-powered transport network and traffic management** optimisation framework, digesting information from diverse systems offering intelligent, responsive, predictive, and secure functionalities.

2

Design and develop a **Platform Federation Reference** architecture towards a "**Multimodal Passenger and Freight Transport Network of Platforms**" (MPFT) framework, seamlessly integrating heterogeneous platforms.

4

Validate the developed federated network of platforms, along with the AI/ML-powered optimisation framework, in a two-fold methodology (via 4 pilots & via simulation-based analysis).

5

Ensure compatibility with existing and forthcoming EU standards in the freight and passenger mobility domains and contribute to the **standardisation** of multimodal and multi-stakeholder freight and passenger management solutions and information systems.

MARION COTTET
Project Manager at ALICE
marion.cottet@etp-alice.eu



www.etp-logistics.eu/delphi/

