



“Freight transport and logistics is climate neutral and zero emission. Physical Internet paves the way to achieve this transition in an affordable way.”

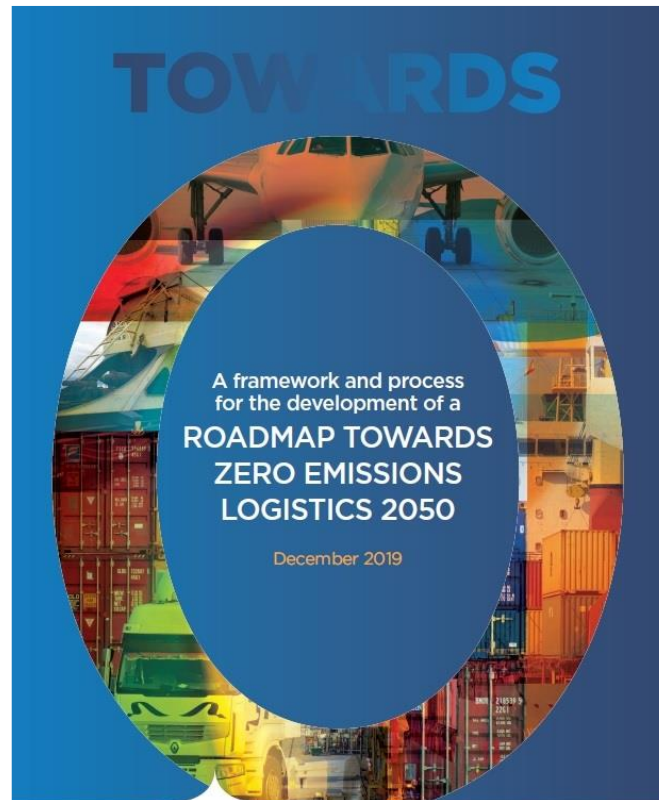
- Alliance for **Logistics Innovation through Collaboration in Europe**
- **Not-for-profit association** registered in Brussels, since 2014
- Recognized by the European Commission as a **European Technology Platform**
- **170+** members
- European leading companies and experts implementing logistics and supply chain innovation
- Mission: acceleration of decarbonization in affordable way

ALICE membership is bringing an holistic approach → All key logistics stakeholders represented!

Type of Organization	Members	EU/International Associations
Shippers & Retail		
Logistics Service Providers, Courier and Postal operators & Freight Forwarders		
Ports, Hubs, Real Estate companies, Intermodal terminals & Transport/Energy Infrastructure		
Transport and industry vehicles, packaging & material handling		
Information and Communication Technologies & Consultancy		
Regional & National Logistics Clusters & Associations		
Research and technology Centers		
European Technology Platforms / PPPs		
Member States and innovation Funding*		

*Involved in ALICE Mirror Group

Towards zero emission logistics



**FREIGHT DEMAND
GROWTH IS
MANAGED**



**TRANSPORT
MODES ARE
SMARTLY USED
AND COMBINED**



**FLEETS AND
ASSETS ARE
SHARED AND
USED TO THE MAX**



**FLEETS AND
ASSETS ARE
ENERGY EFFICIENT**



**FLEETS AND ASSETS
USE LOWEST
EMISSIONS ENERGY
SOURCE FEASIBLE**



Through the Physical Internet

Towards zero emission logistics...

FREIGHT DEMAND GROWTH IS MANAGED

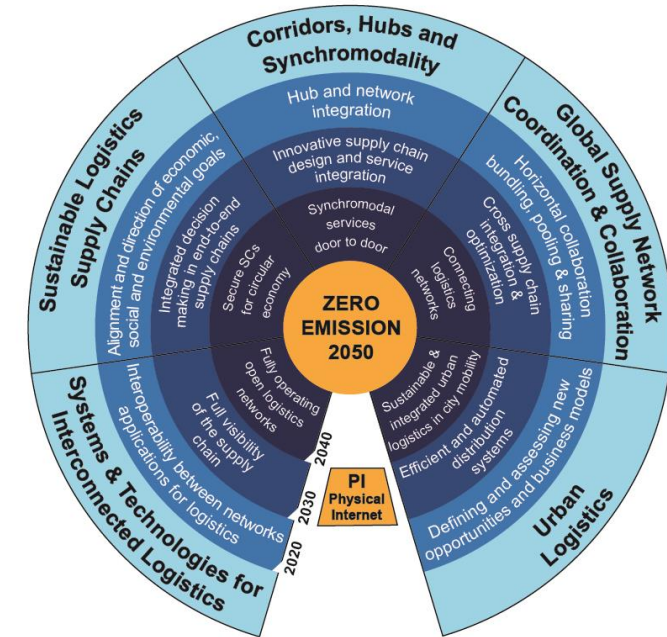
TRANSPORT MODES ARE SMARTLY USED AND COMBINED

FLEETS AND ASSETS ARE SHARED AND USED TO THE MAX

FLEETS AND ASSETS ARE ENERGY EFFICIENT

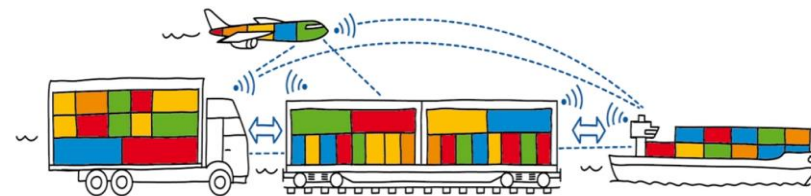
FLEETS AND ASSETS USE LOWEST EMISSIONS ENERGY SOURCE FEASIBLE

Physical Internet to pave the way!

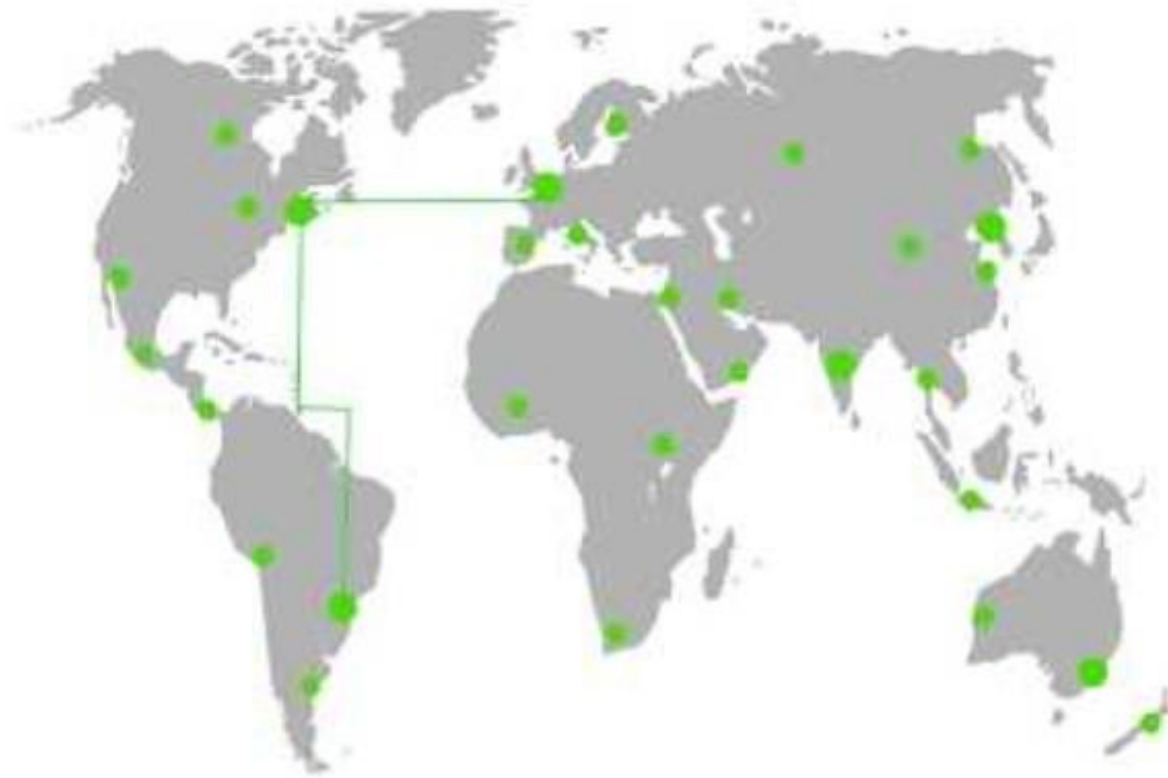


THE PHYSICAL INTERNET

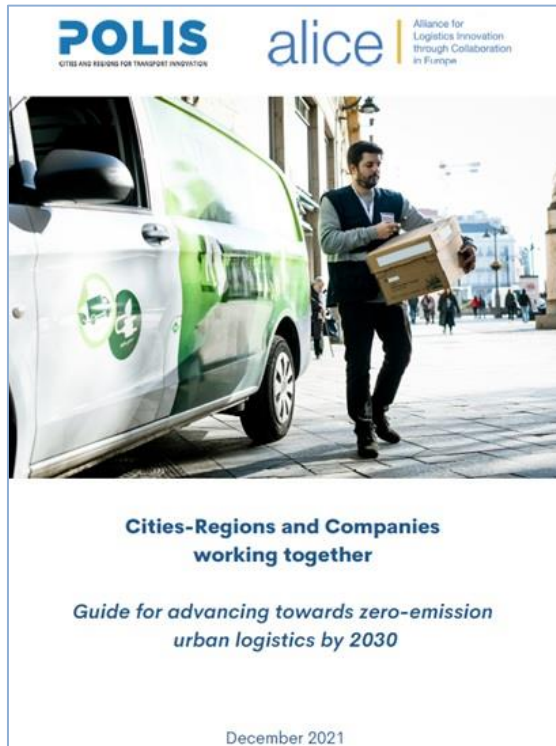
Interconnected logistics networks, sharing assets and capabilities



- <https://www.youtube.com/watch?v=O-80QZYqNi4>



And in practice, in cities?



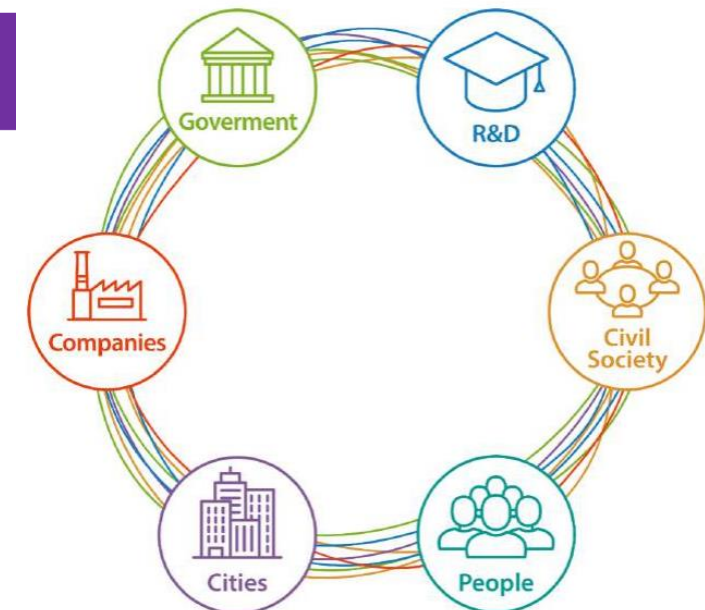
Smart governance & regulations

Clean & alternative fleet & energy

Logistic operations

Purpose oriented data acquisition and sharing

Consumer engagement



And in practice in cities?

Some current Horizon Europe projects on Urban Logistics



- Physical Internet applied to urban deliveries
- Replication and Scale Up Model
- 20% reduction in CO2 emissions

September 2022 → February 2026



- Physical Internet solution applied to last mile delivery and urban planning
- End-to-end supply chain visibility, interoperability and data sharing
- Co-creating a city “cloud” ecosystem for trust and data protection
- Fast-tracking adoption and replication of innovative business models

May 2023 → October 2026



- Integration of passenger and freight transport in a single system
- Novel governance and regulatory schemes
- “Multimodal Passenger and Freight Transport Network of Platforms”
- AI/ML powered transport network and traffic management

July 2023 → June 2026

DELPHI at a glance

Key facts & Team

- **Full Title:** FEDERATED NETWORK OF PLATFORMS FOR PASSENGER AND FREIGHT INTERMODALITY
- **Project ID:** 101104263
- **Call and Topic:** HORIZON-CL5-2022-D6-02-05 (“Advanced multimodal network and traffic management for seamless door-to-door mobility of passengers and freight transport”)
- **Funded Under:** Horizon Europe
- **Funding Scheme:** RIA –Research and Innovation Action
- **Duration:** 36 months, 01 July 2023 – 30 June 2026
- **Total Cost/EU contribution:** EUR 4,999,561.5
- **Project Coordinator:** Institute of Communication and Computer Systems (ICCS)

DELPHI brings together a complementary consortium:

- of 16 partners (+1 associated partner and 1 affiliated entity),
- from 8 EU and associated countries

with the view to address the growing challenges of passenger and freight mobility.



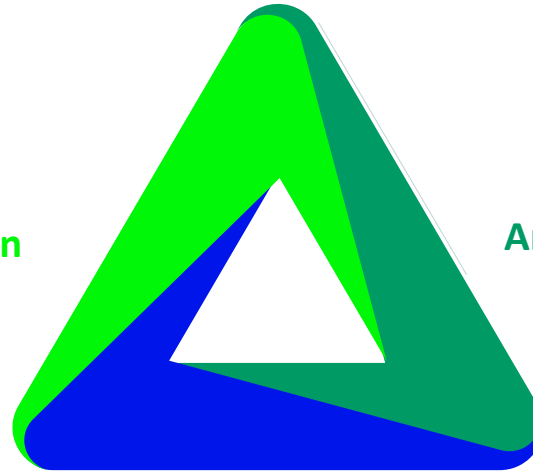
DELPHI's vision

Concept, Objectives & Use Cases

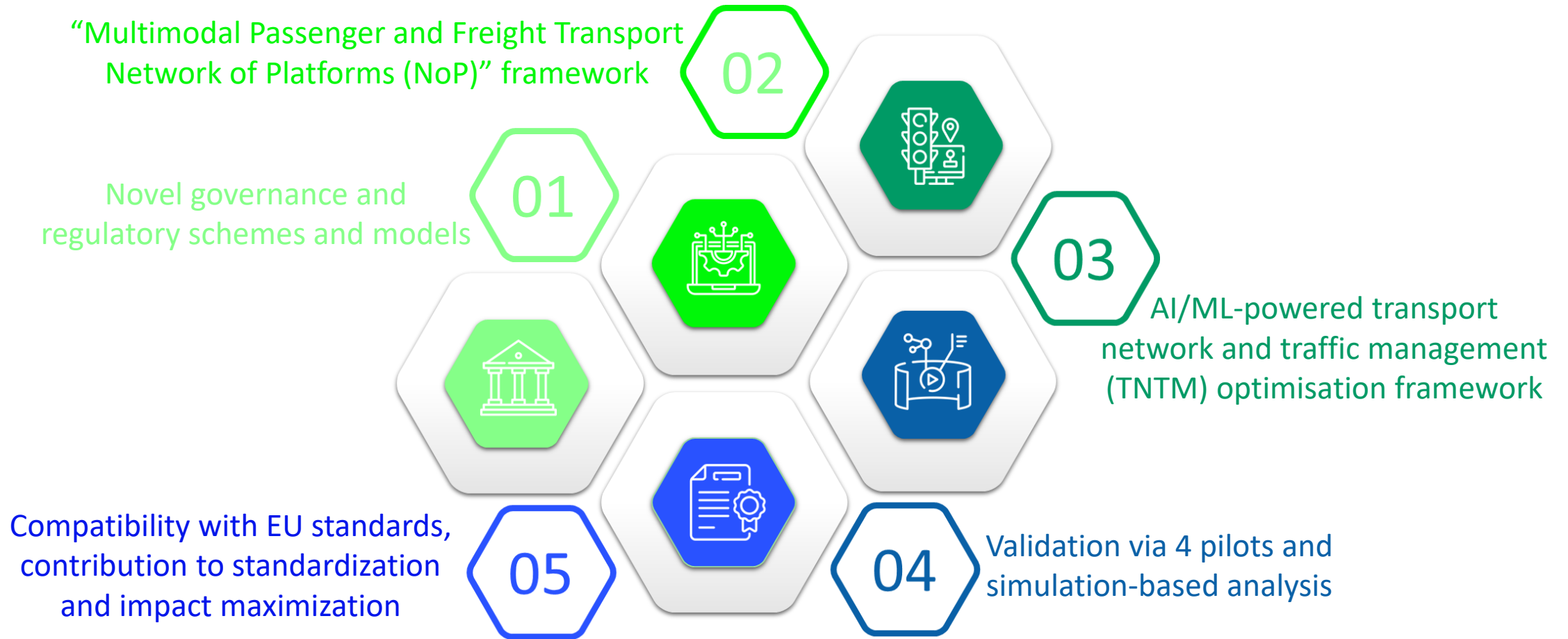
DELPHI focuses on the strategic dimension of **integrating passenger and freight transport** in a single system, working towards integrating sectors, harmonizing data, and leveraging advanced methodologies, to transform transportation systems, for a sustainable future.

1st pillar
Governance, Ecosystem specification

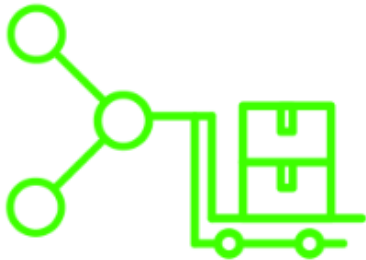
2nd pillar
Architecture, Data, Processing, Optimisation



3rd pillar
DELPHI Validation activities through realistic pilot demonstrations



DELPHI's federated ecosystem will be extensively evaluated in real life settings through four pilot demonstrations across the participating transportation networks located in Spain (**Madrid**), Greece (**Athens and Mykonos**), and Romania (**Cluj-Napoca**).



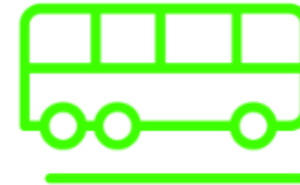
USE CASE #1

Multimodal transport for a Sustainable LMD 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)

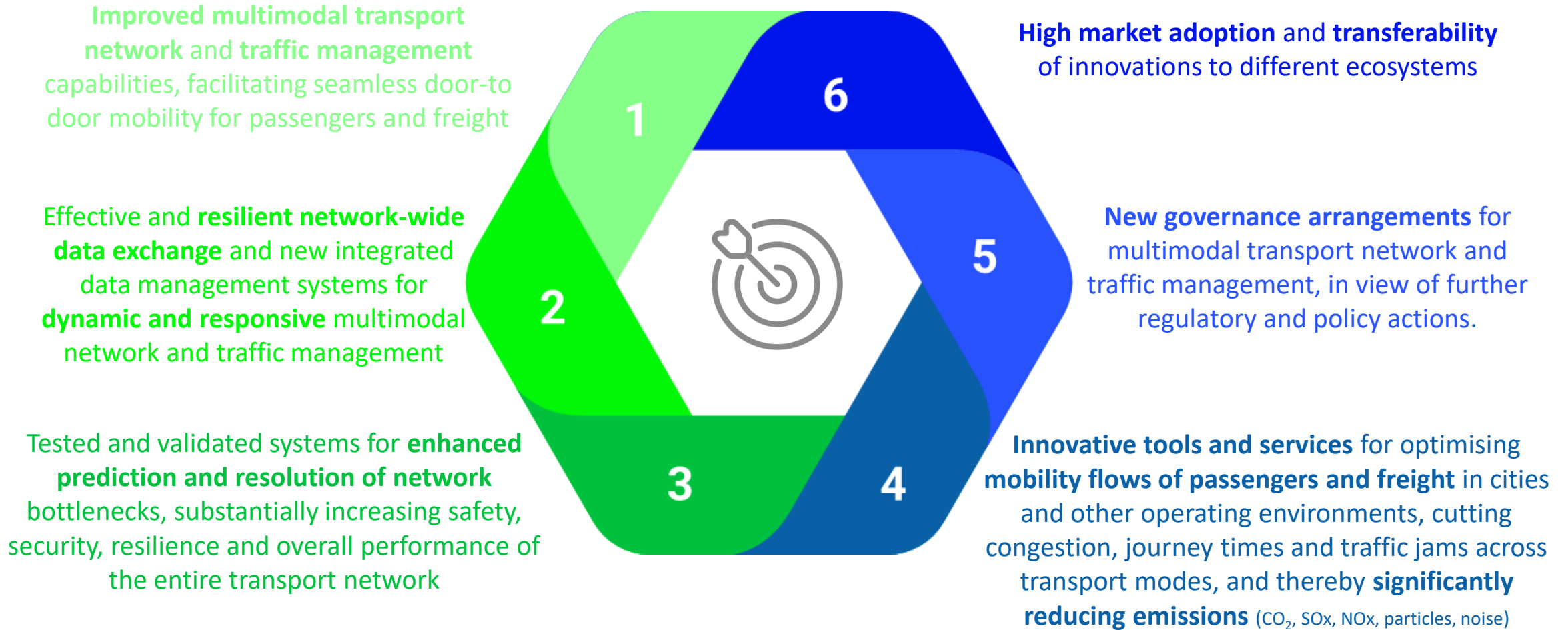


USE CASE #4

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

DELPHI's impact

Expected impact





www.delphi-project.eu



@DELPHI_EU



DELPHI_EU project



DELPHI_EUproject



DELPHI

Thank you for your attention!

Mariot Cottet, ALICE



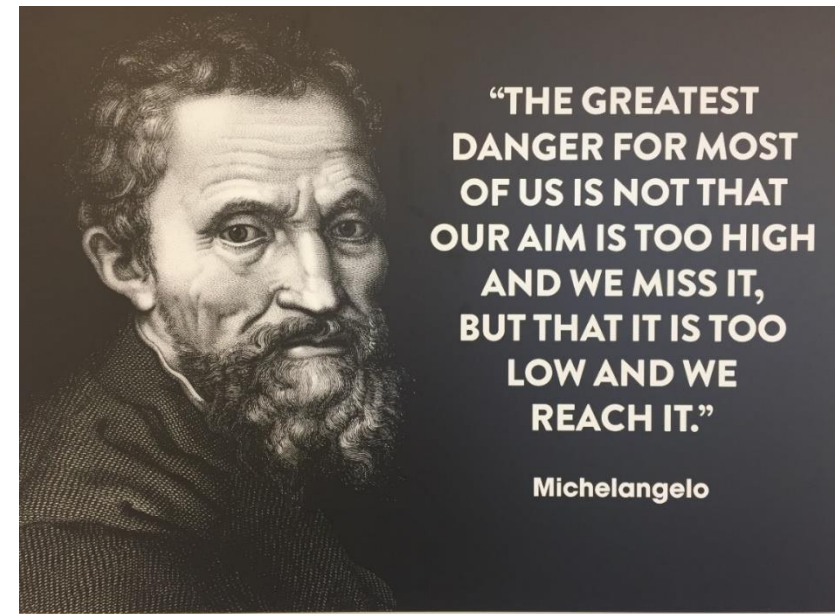
Funded by the
European Union

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.

alice

Alliance for
Logistics Innovation
through Collaboration
in Europe

Thank you!



“THE GREATEST
DANGER FOR MOST
OF US IS NOT THAT
OUR AIM IS TOO HIGH
AND WE MISS IT,
BUT THAT IT IS TOO
LOW AND WE
REACH IT.”

Michelangelo

The Best Way To Predict The Future Is To Create It!

Source: President Abraham Lincoln



If you want to go fast, go alone If you want to go far, go together

www.etp-alice.eu

info@etp-alice.eu

