



DELPHI

# DELPHI's Overview presentation

Coordinated mobility for passengers & freight!



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# DELPHI at a glance

Key facts & Team

# DELPHI key facts



- **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 consortium



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.



Funded by the  
European Union



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# DELPHI's vision

Concept, Objectives & Use Cases

# DELPHI concept

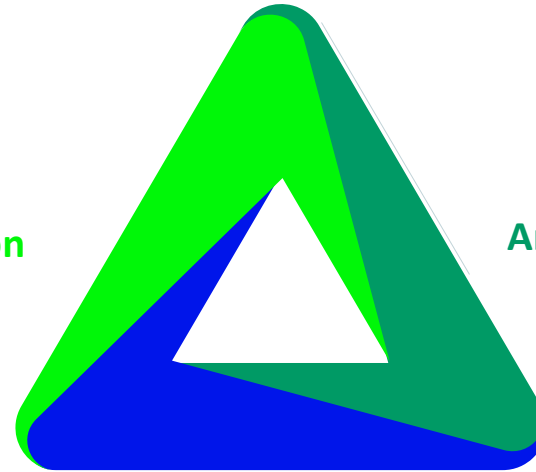


D E L P H I

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.

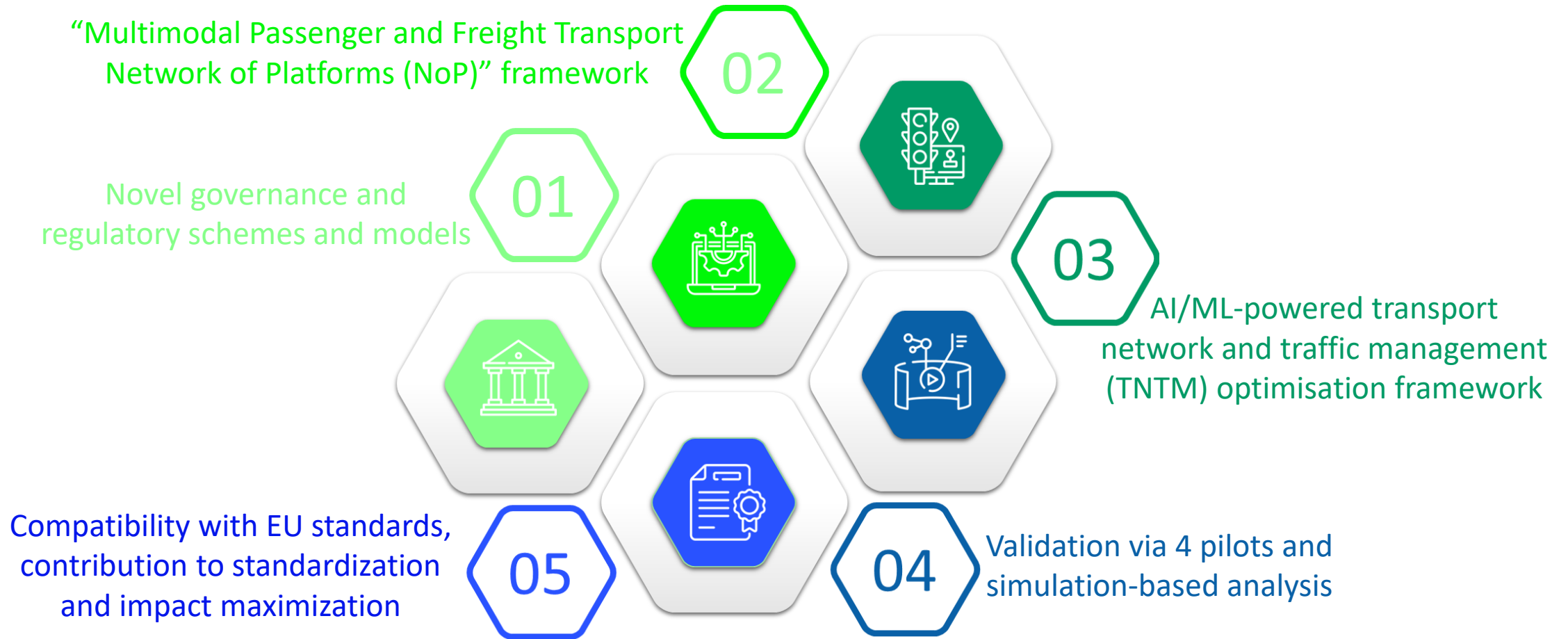
1<sup>st</sup> pillar  
Governance, Ecosystem specification

2<sup>nd</sup> pillar  
Architecture, Data, Processing, Optimisation



3<sup>rd</sup> pillar  
DELPHI Validation activities through realistic pilot demonstrations

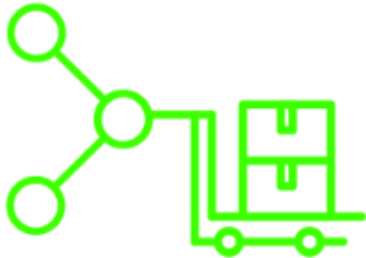
# DELPHI objectives



# DELPHI use-cases



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**).



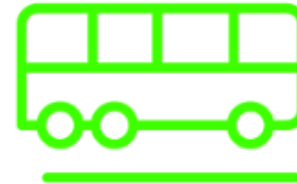
## USE CASE #1

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

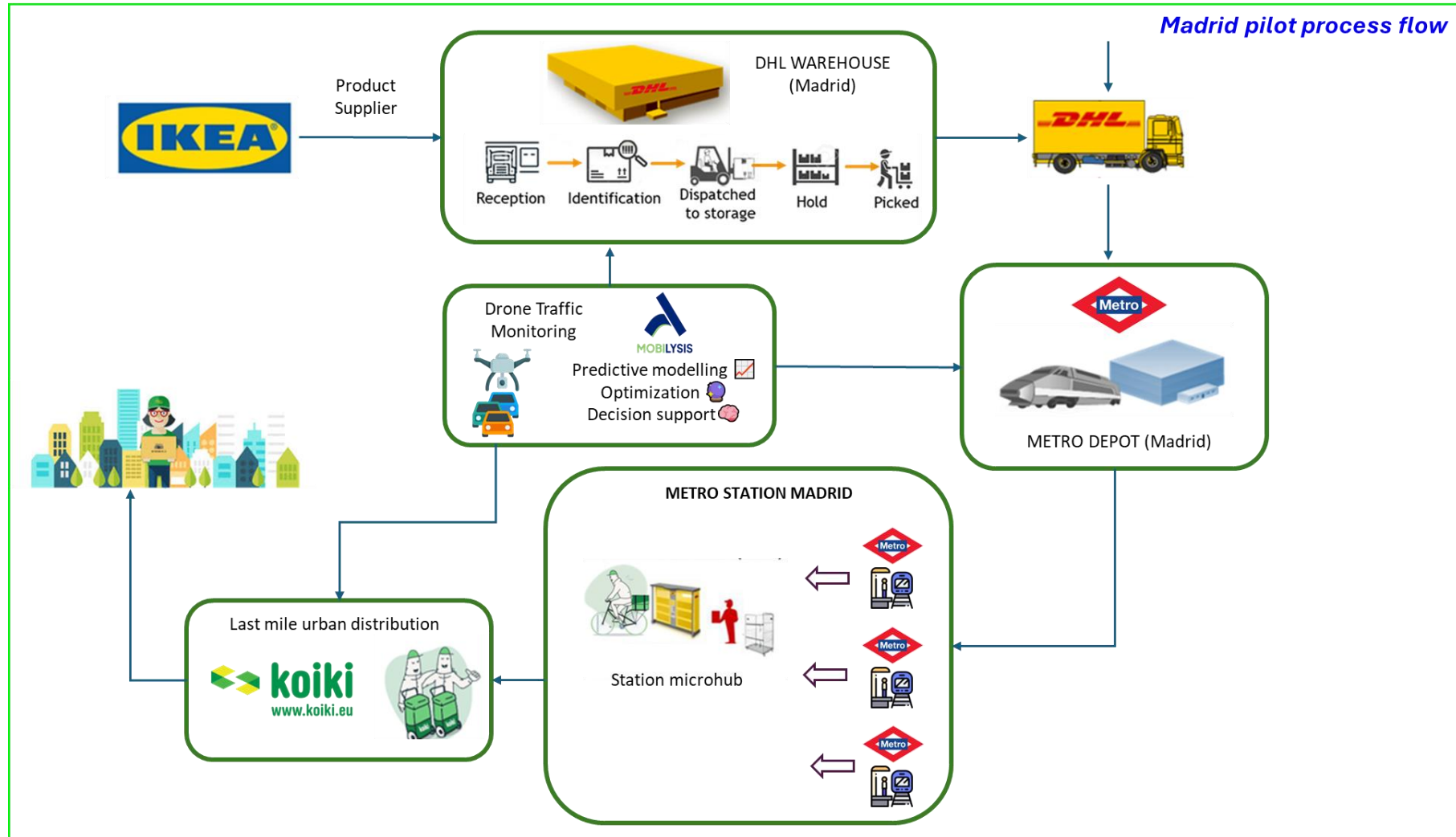
Integrated freight and passengers' models and data sharing framework at the island of Mykonos (Greece)



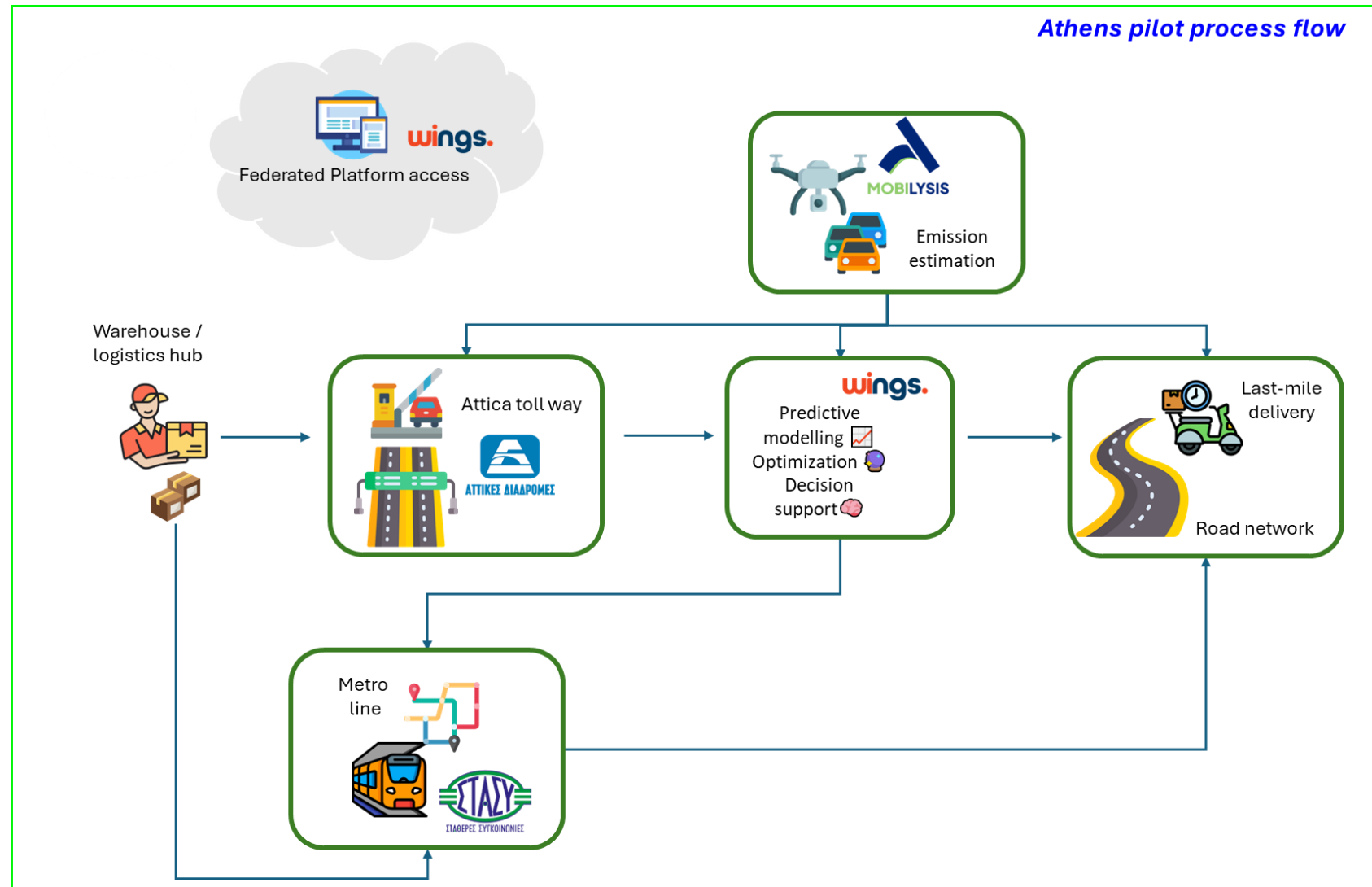
## USE CASE #4

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

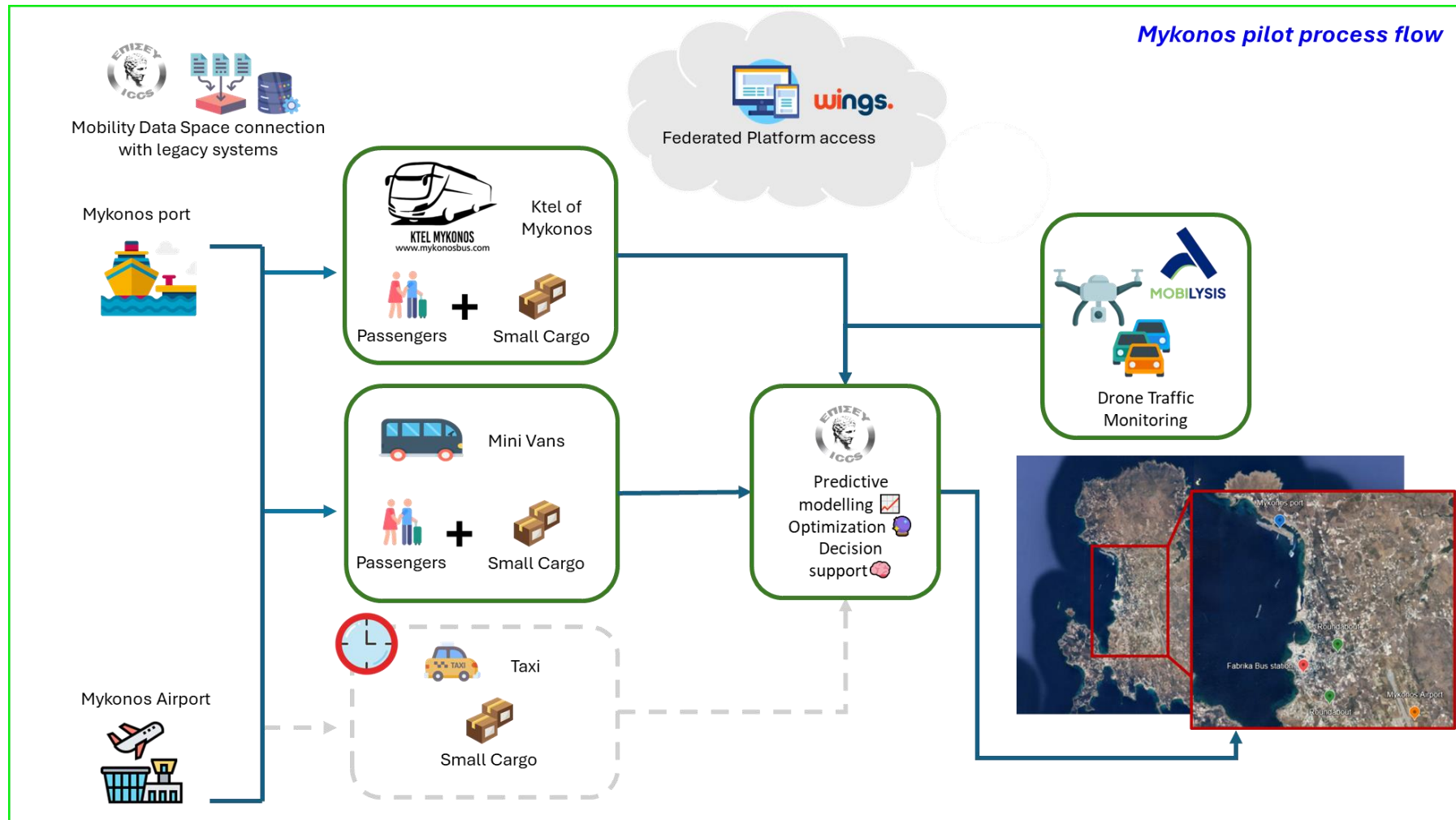
# DELPHI use-case #1



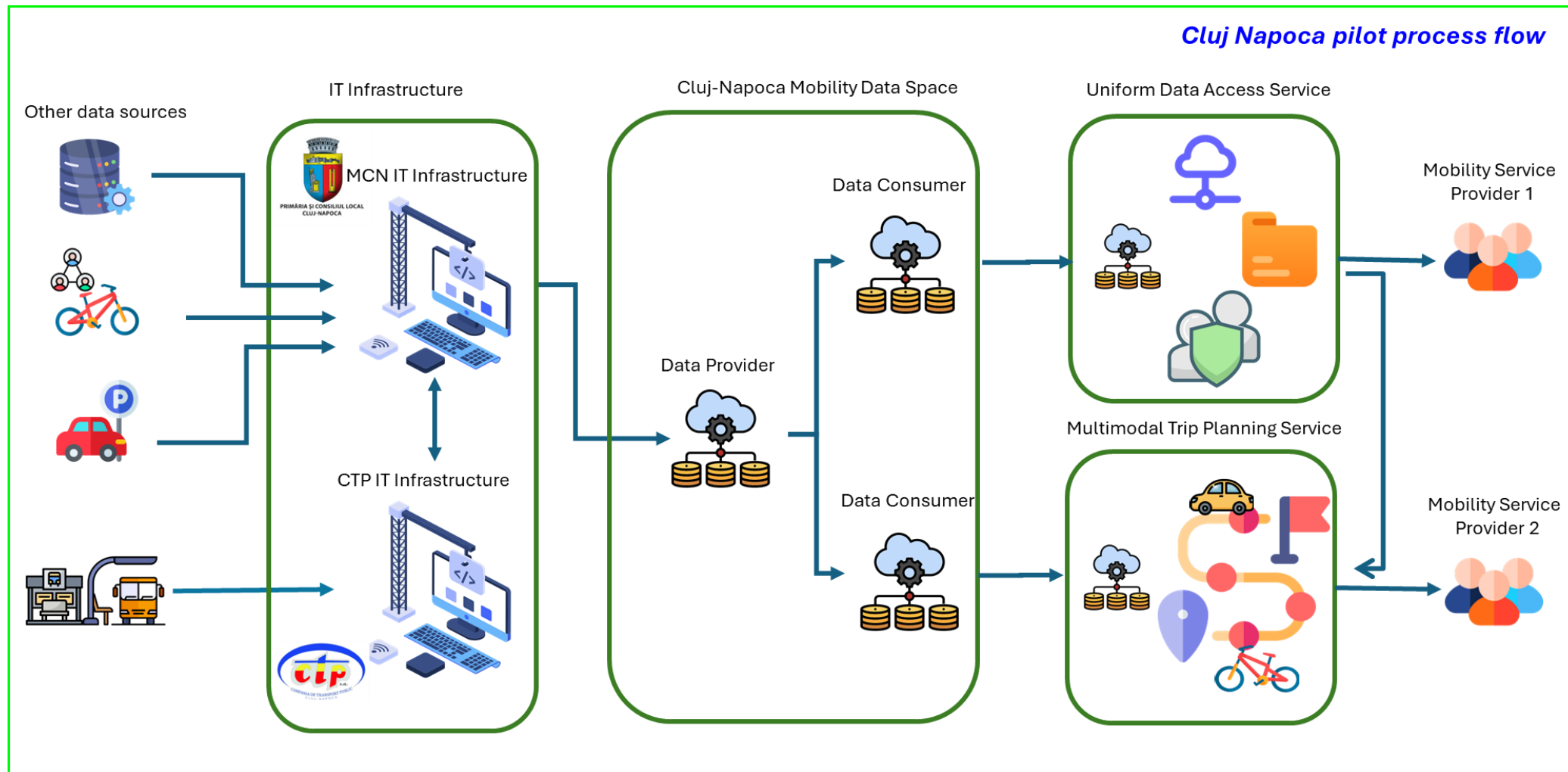
# DELPHI use-case #2



# DELPHI use-case #3



# DELPHI use-case #4





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# DELPHI's impact

Expected impact

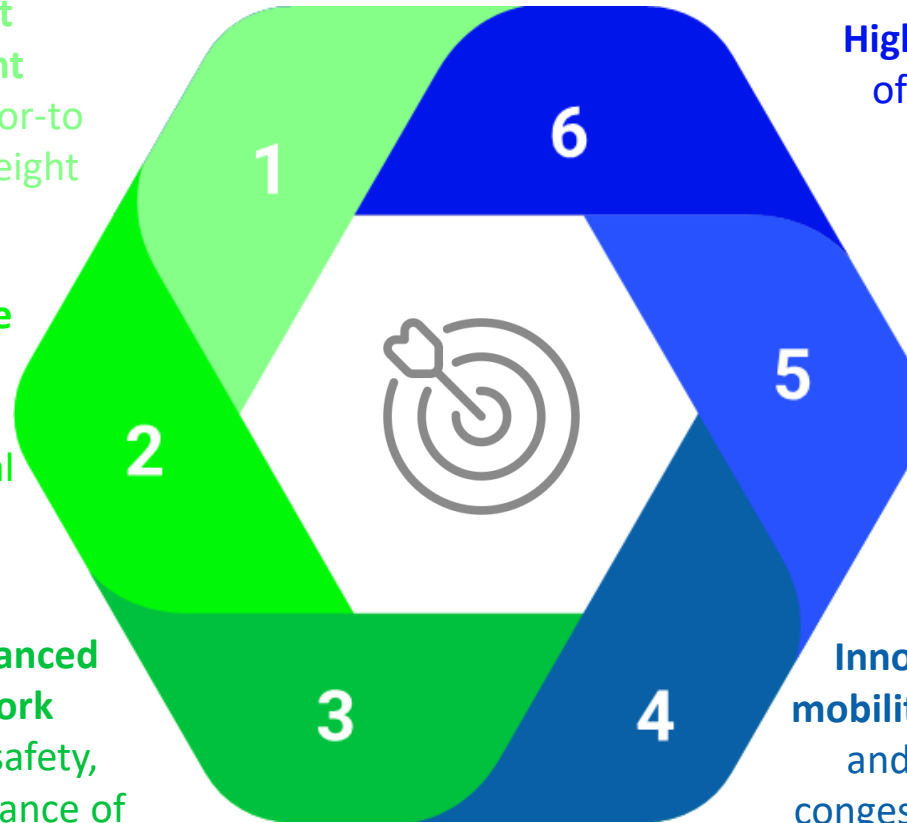
# DELPHI's Impact



**Improved multimodal transport network and traffic management** capabilities, facilitating seamless door-to-door mobility for passengers and freight

Effective and **resilient network-wide data exchange** and new integrated data management systems for **dynamic and responsive** multimodal network and traffic management

Tested and validated systems for **enhanced prediction and resolution of network** bottlenecks, substantially increasing safety, security, resilience and overall performance of the entire transport network



**High market adoption and transferability** of innovations to different ecosystems

**New governance arrangements** for multimodal transport network and traffic management, in view of further regulatory and policy actions.

**Innovative tools and services** for optimising **mobility flows of passengers and freight** in cities and other operating environments, cutting congestion, journey times and traffic jams across transport modes, and thereby **significantly reducing emissions** (CO<sub>2</sub>, SO<sub>x</sub>, NO<sub>x</sub>, particles, noise)



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[www.delphi-project.eu](http://www.delphi-project.eu)



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# Thank you for your attention!

## DELPHI Consortium



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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.