

Andrei Rusu: Hello! My name is Andrei Rusu and together with my colleague Mihai Hulea, we will present project DELPHI on behalf of NTT DATA Romania. Project DELPHI focuses on optimizing multi-modal transportation of passengers and freight. Some key facts about DELPHI: it has been funded through the European Union's Horizon Europe Framework Programme for Research and Innovation. It is a consortium based on 16 partners led by ICCS, a research institute from Greece. The project budget is around 5 billion euros from which NTT DATA Romania is entitled to around 340.000 euros. The duration of the project is 36 months and has started from the 1st of July 2023 and will conclude on the 30th of June 2026. The project concept is based on three pillars. The first one would be the definition of governance and ecosystem specifications. The second one would be the definition of a federated architecture for data processing and optimization. And the third one would be the validation activities performed on four pilots. Related to the three pillars presented in the previous slide, DELPHI has defined five main objectives. The first one would be the development of novel governance and regulatory schemes and modes. The second one, the development of a multi-modal passenger and freight transport network platforms. The third one would be an AI/ML powered traffic management and transport system. The fourth one would be the validation of project results on the four pilots. And lastly, another focus would be on the compatibility with EU standards and contributions to the standardization. My colleague Mihai will present the four use cases.

Mihai Hulea: As already mentioned, the DELPHI platform will be evaluated in real-life settings in the four use cases. Use case number one, implemented in Madrid, Spain, where a multi-modal transport for sustainable last mile delivery framework will be implemented. Use case number two, in Attica region, Greece, where integrated flight and passengers models and sharing solution will be implemented. Third, in the island of Mykonos, Greece, where an integrated freight and passengers model from data sharing framework will be evaluated. And last, Cluj-Napoca, Romania, where an integrated passengers model and data sharing for multimodal transportation will be implemented. I will give a little bit more details for the Cluj-Napoca use case where, from left to right, we have Cluj-Napoca Municipality, which has a number of data sources managed by Cluj-Napoca Municipality IT infrastructure. However, these data sources are provided in different formats and using different access mechanisms and this makes this data hard to access and use by external organisations. In order to resolve this problem, as part of the DELPHI project, we will develop a mobility data space where Cluj-Napoca municipality will be able to provide all this data to a mobility data space connected provider. This data will be consumed by data consumer connectors, which will be used by NTT DATA Romania to build two main services. First, Unified Data Access Service, which will collect all the data and will aggregate this data and provide access to this data in a unified format. And second, Multimodal Trip Planning Service, which will consume data from Unified Data Access Service in order to create a number of trip planning services for the passengers.

Andrei Rusu: More information on project DELPHI can be found on the website and on social media. And lastly, what we want to mention is that DELPHI has received funding from the European Union. Thank you for your attention.