ENHANCED DATA PROCESSING TECHNIQUES FOR DYNAMIC MANAGEMENT OF MULTIMODAL TRAFFIC

TANGENT

HORIZON 2020

Duration 36 months

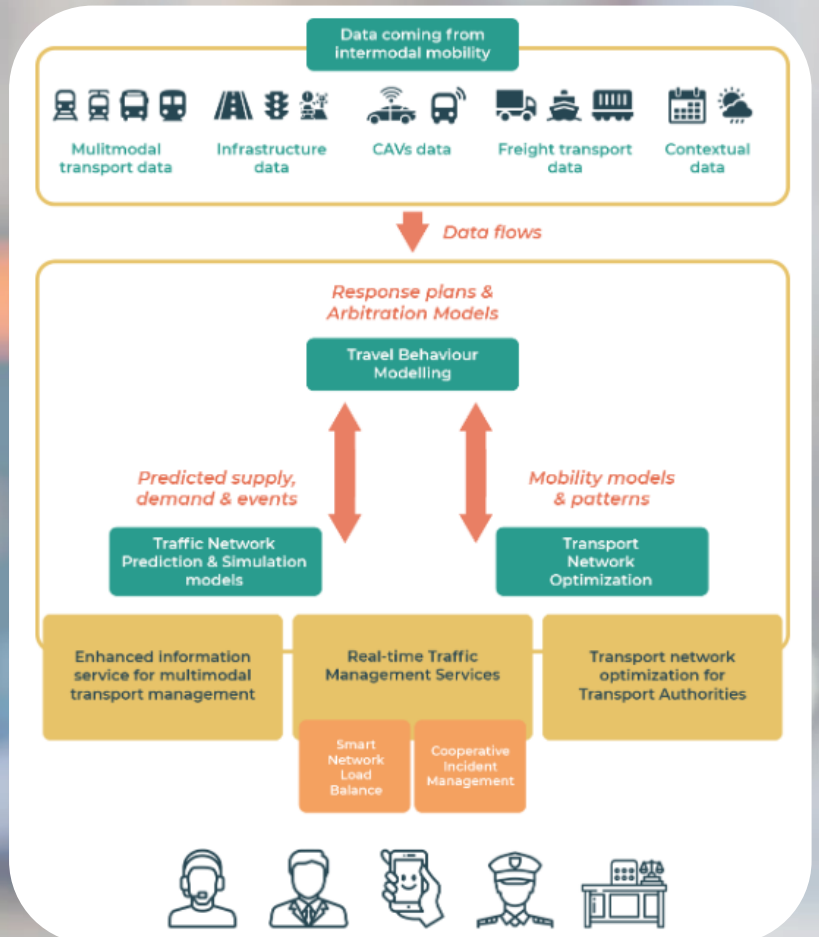
Budget € 4 849 348,75

Consortium 13 partners · 8 countries · 4 pilot cities

Objectives

- Support transport network agents.
- Understand and model transport users' behaviours and motivations in a multimodal and automated landscape.
- Develop a state-of-the-art framework to monitor and forecast the traffic flow and traffic conditions, as well as transport demand and supply under various circumstances.
- Optimise traffic management with Artificial Intelligence (AI) techniques
- Set up the infrastructure to build up a traffic operation decision making support tool.
- Assess the impact of the decision-making tool and services in the multimodal network through Case Studies.

Concept overview



Case Study 1: City of Rennes
Fostering intermodal cooperation of passenger transport in urban areas

Case Study 2: Lisbon
Integrated urban and interurban transport management with C-ITS

Case Study 3: Greater Manchester
Optimization of transport flows both in urban an in rural/semi-rural region

Case Study 4: Athens
Future transport network management with CAVs

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