



A snapshot to the traffic management of the future



- M. Thiago Tavares (CINEA): Introduction.
- Mrs. Akrivi Kiousi (Netcompany Intrasoft): FRONTIER: integration of Connected & Automated Vehicles in the traffic management.
- Mr. Runar Søråsen (ITS Norway), ORCHESTRA: Resilient Traffic Management for Urban Air Mobility.
- Mr. Antonio Masegosa (DeustoTech/ Ikerbasque) & Leire Serrano (DeustoTech): TANGENT: integration of shared mobility such as MaaS and new modes of mobility.
- Mr. Ludovic Leclercq (Université Gustave Eiffel): DIT4TRAM: Artificial swarm intelligence to manage traffic and mobility.
- Mr. Vicent Pastor (ENIDE): **HARMONY: Traffic modelling strategies for demand responsive transport and other new forms of mobility.**
- Panel discussion
- Q/A





HARMONY

Vicent Pastor

ENIDE



Vicent Pastor (ENIDE)

Enable metropolitan area authorities to lead the transition to low carbon mobility through new spatial and transport planning tools.

20 partners from 9 European countries







































▶ Metropolis GZN

Duration: 06/2019 - 03/2023 Budget: 7,649,645.25 Euro -













Vicent Pastor (ENIDE)

Main outcomes





Training material and activities

Authorities and transport professionals will develop skills and knowledge to use the model suite tools.



Best practices for SUMPs

The best practices for SUMPs will provide authorities with evidence-based recommendations to update their Sustainable **Urban Mobility Plans**, including autonomous vehicles and drones.



MobyX: **Data Collection Tools**

A free smartphone application, MobyApp, was developed for Android and iOS. A travel diary is composed of real data, collected through the smartphone's GPS.

Harmony Model Suite

A platform bringing together transport and spatial planning tools, people and freight activity-based models, network models and land-use models.





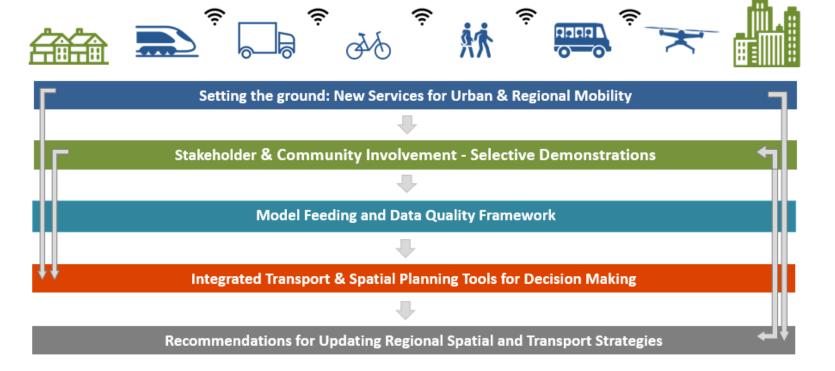






Vicent Pastor (ENIDE)

Integrated New and Traditional Transport Modes



Cities Involv







Rotterdam

Trikala

Katowice

Traffic management can be improved with the Harmony tools which integrate different modes of transport.













Vicent Pastor (ENIDE)

HARMONY's AV and Drones demonstrations



- **Oxfordshire County** (UK):
 - AV + drones for freight
- Rotterdam (NL):
 - AV for good delivery
- Trikala (GR):
 - **UAV** for pharmaceutical purposes













PANEL DISCUSSION

TRANSPORT RESEARCH ARENA LISBON 2022

Panel discussion

Moderator: M. Thiago Tavares (CINEA)

Panelists:

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