



A snapshot to the traffic management of the future

Authors: 4FRONT Cluster and HARMONY

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**
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HARMONY

Vicent Pastor

ENIDE

HARMONY: traffic modelling strategies for demand responsive transport and other new forms of mobility

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



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



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 815269



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Main outcomes



Harmony Model Suite

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



Training material and activities

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



Best practices for SUMP

The best practices for SUMP 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: traffic modelling strategies for demand responsive transport and other new forms of mobility

Vicent Pastor (ENIDE)

Integrated New and Traditional Transport Modes



Cities Involved

-  Athens
-  Oxfordshire
-  Turin
-  Rotterdam
-  Trikala
-  Katowice



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



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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

Panel discussion



Moderator: M. Thiago Tavares (CINEA)

Panelists:

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