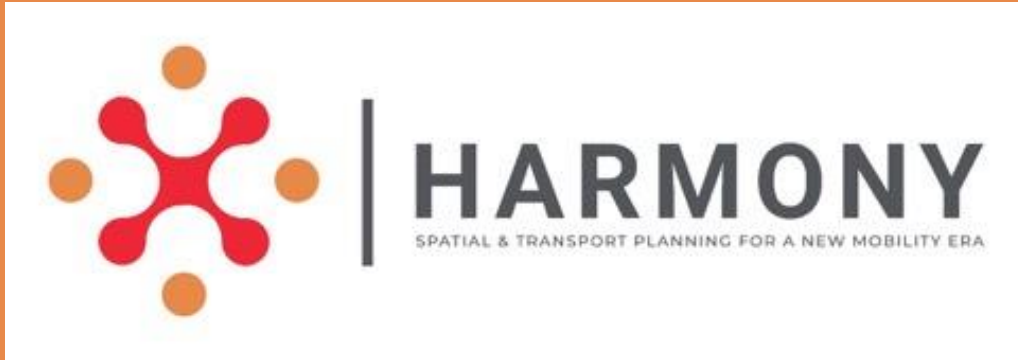




This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 815269



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## HARMONY public-private partnership

Vicent Pastor  
Chief Innovation officer, ENIDE





HARMONY

SPATIAL & TRANSPORT PLANNING  
FOR A NEW MOBILITY ERA



WWW.HARMONY-H2020.EU

# Vision

Develop a new generation of harmonised **spatial and multimodal transport planning tools** which comprehensively model the dynamics of the changing **transport sector and spatial organisation**, enabling metropolitan area authorities to lead the transition to a low carbon new mobility era in a sustainable manner



HARMONY

# Objectives

O1

- Identify new mobility services, concepts and technologies for people and freight

O2

- Establish co-creation labs for people and freight

O3

- Demonstrate AVs and drones integrated with traditional transport modes
- Collect data from citizens and freight operators

O4

- Develop methodologies to combine and integrate multidisciplinary data related to new forms of mobility, collective transport and planning

O5

- New spatial and transport planning Model Suite (MS). Software neutral platform.

O6

- Apply the HARMONY MS to support metropolitan planners and decision-makers

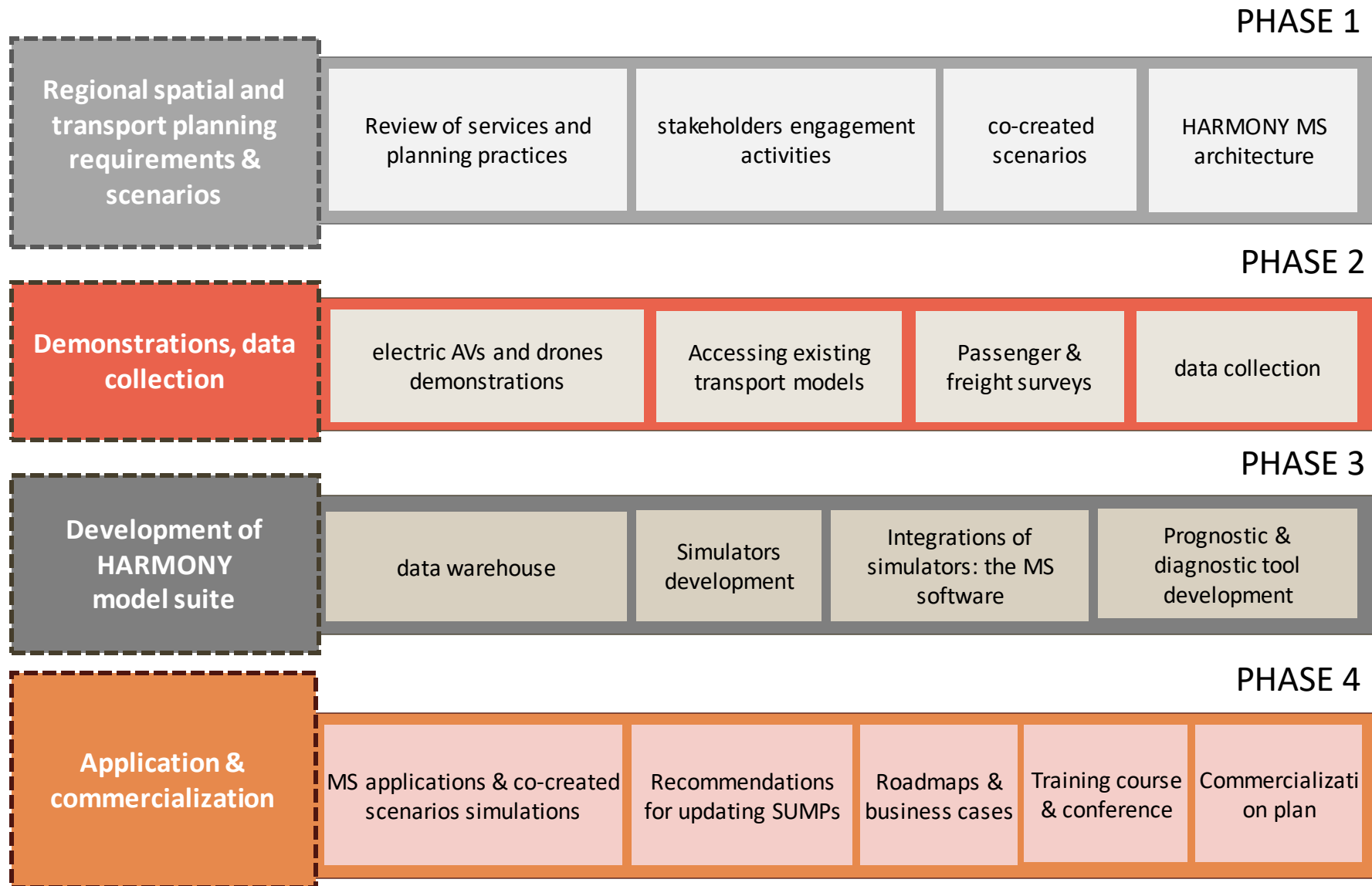
O7

- Linkage of HARMONY MS (metropolitan-level) to EU-wide transport models

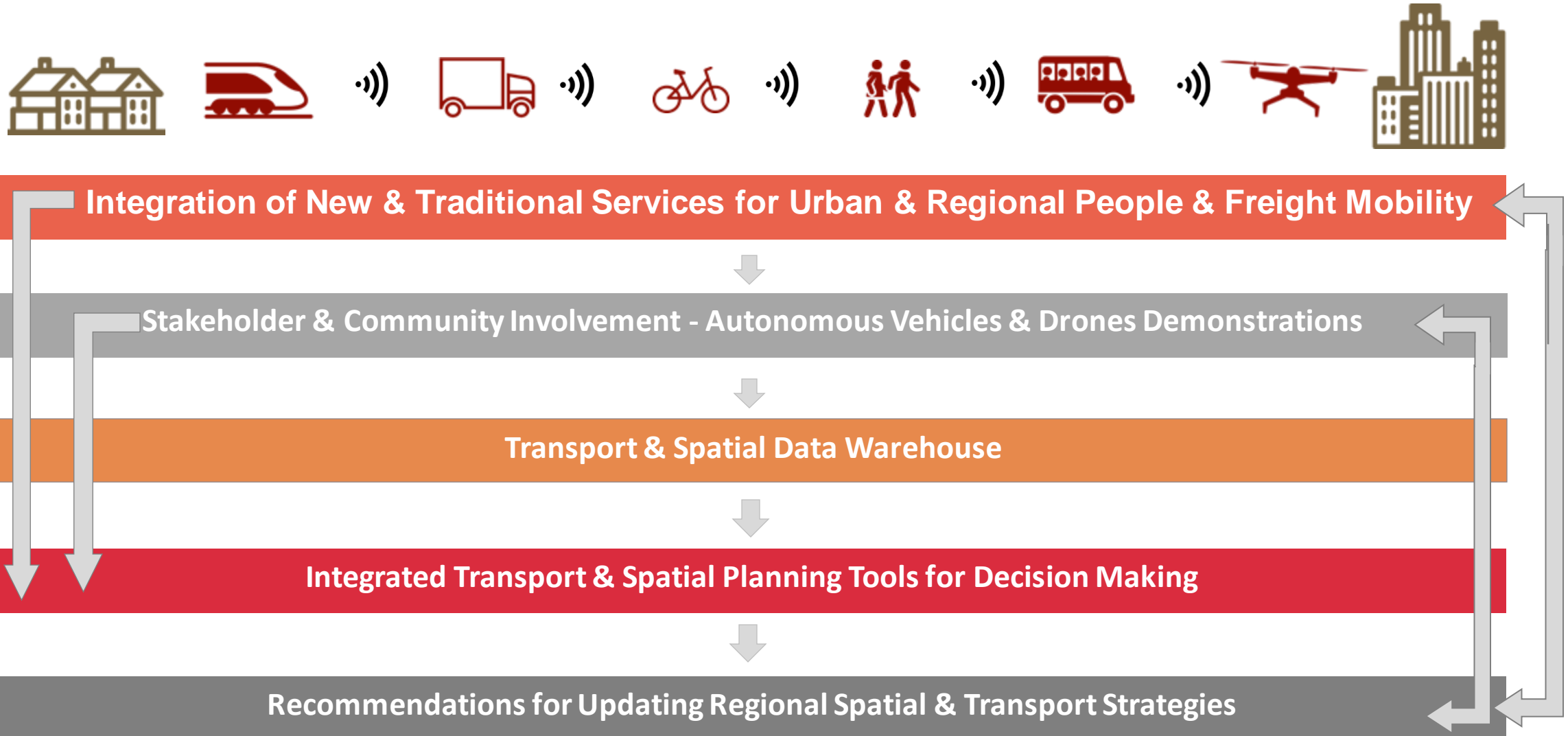
O8

- Recommendations to update spatial and transport strategies and SUMP

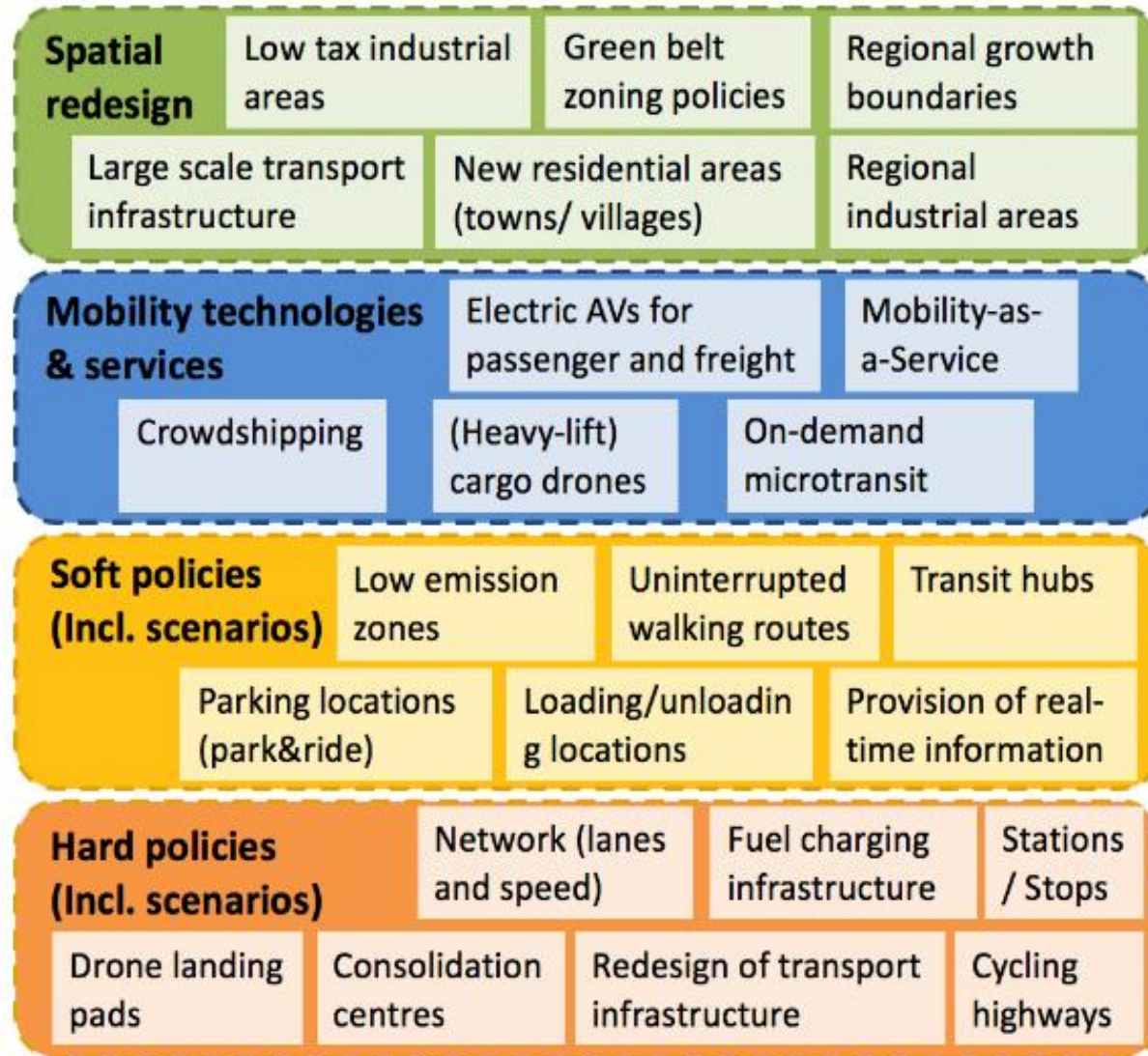
# Methodology



# Conceptual architecture



# Harmony Model Suite



# 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.



[www.harmony-h2020.eu](http://www.harmony-h2020.eu)



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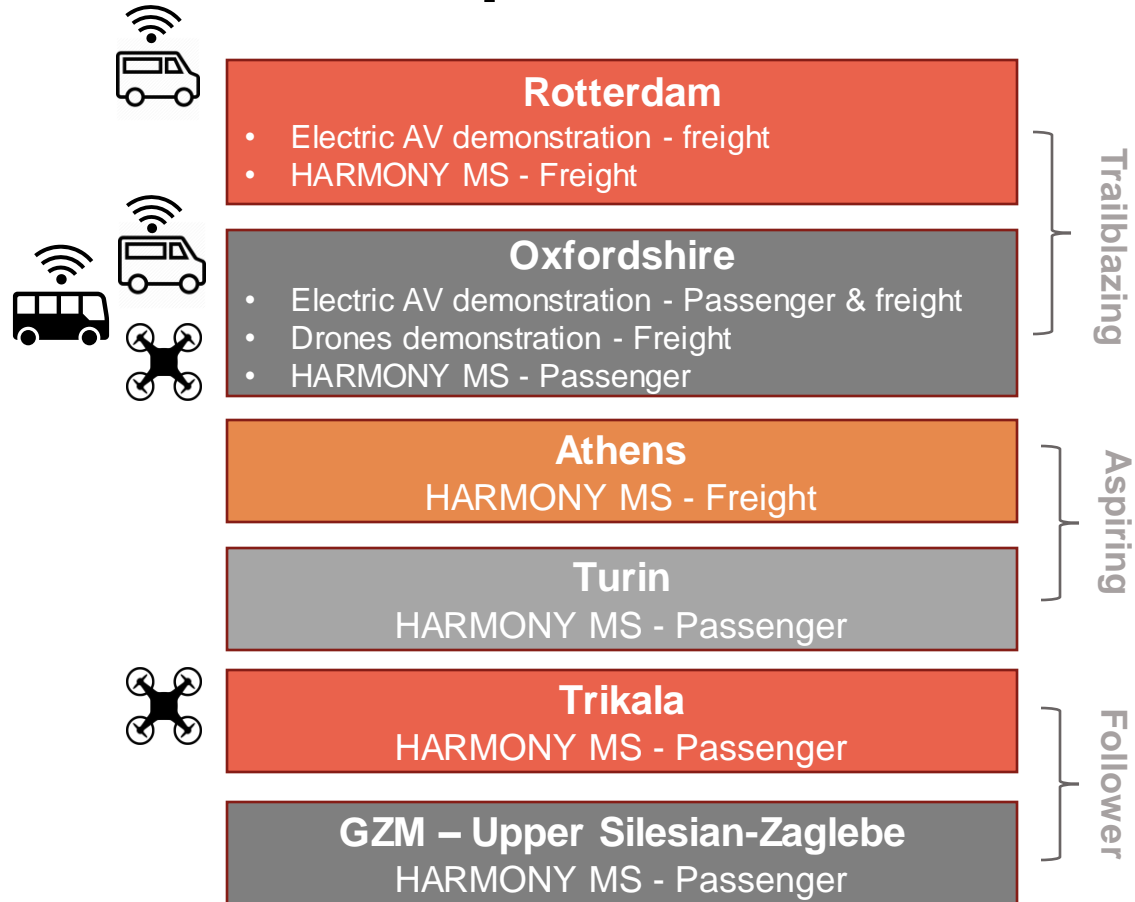
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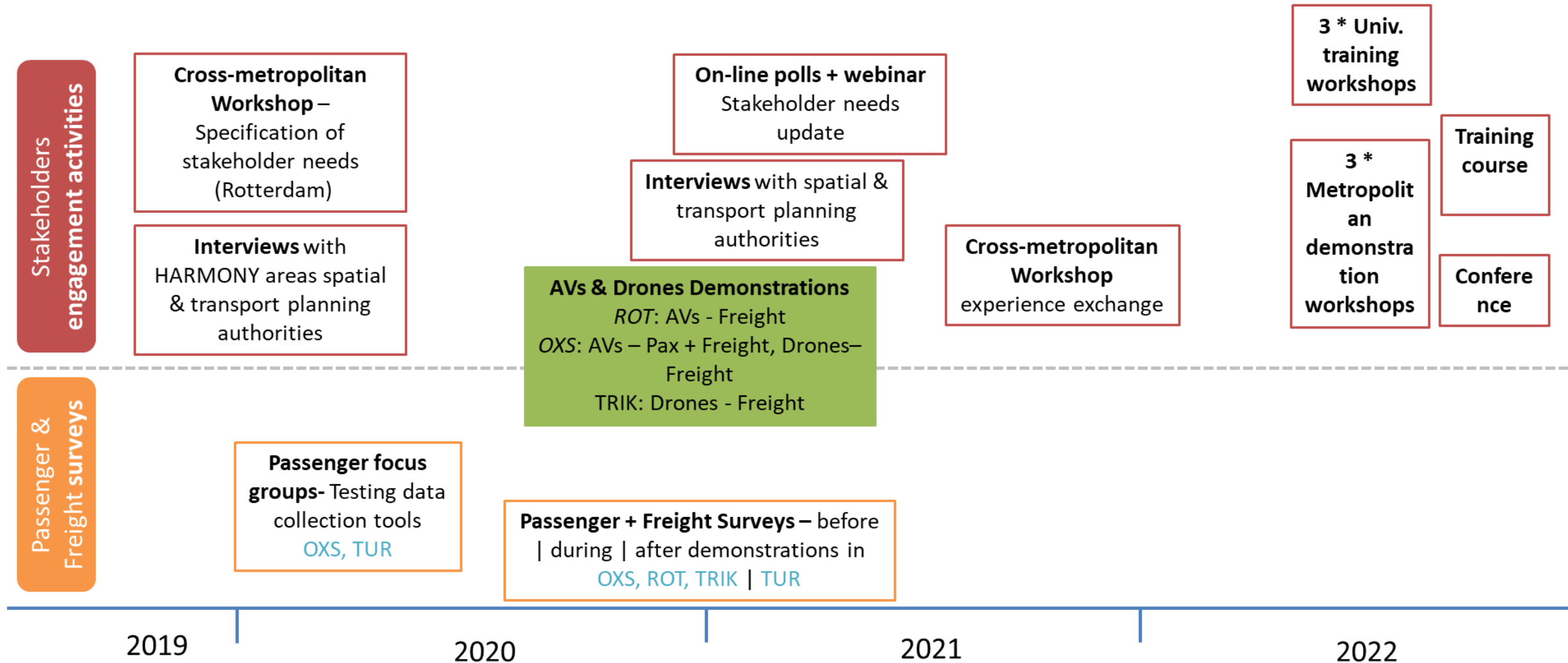
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# Metropolitan Areas' Activities



# Engagement activities and demonstrations plan





# SMEs and mobility service providers in HARMONY

## Multimodal OEMs



**AIRBUS**

## Transportation software companies



## Mobility consultancy companies



# Factsheet

21 partners from 9 European countries



Budget: 7,649,645.25 Euro - Duration: 06/2019 – 11/2022



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# HARMONY

## Thank you!

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*enide*



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