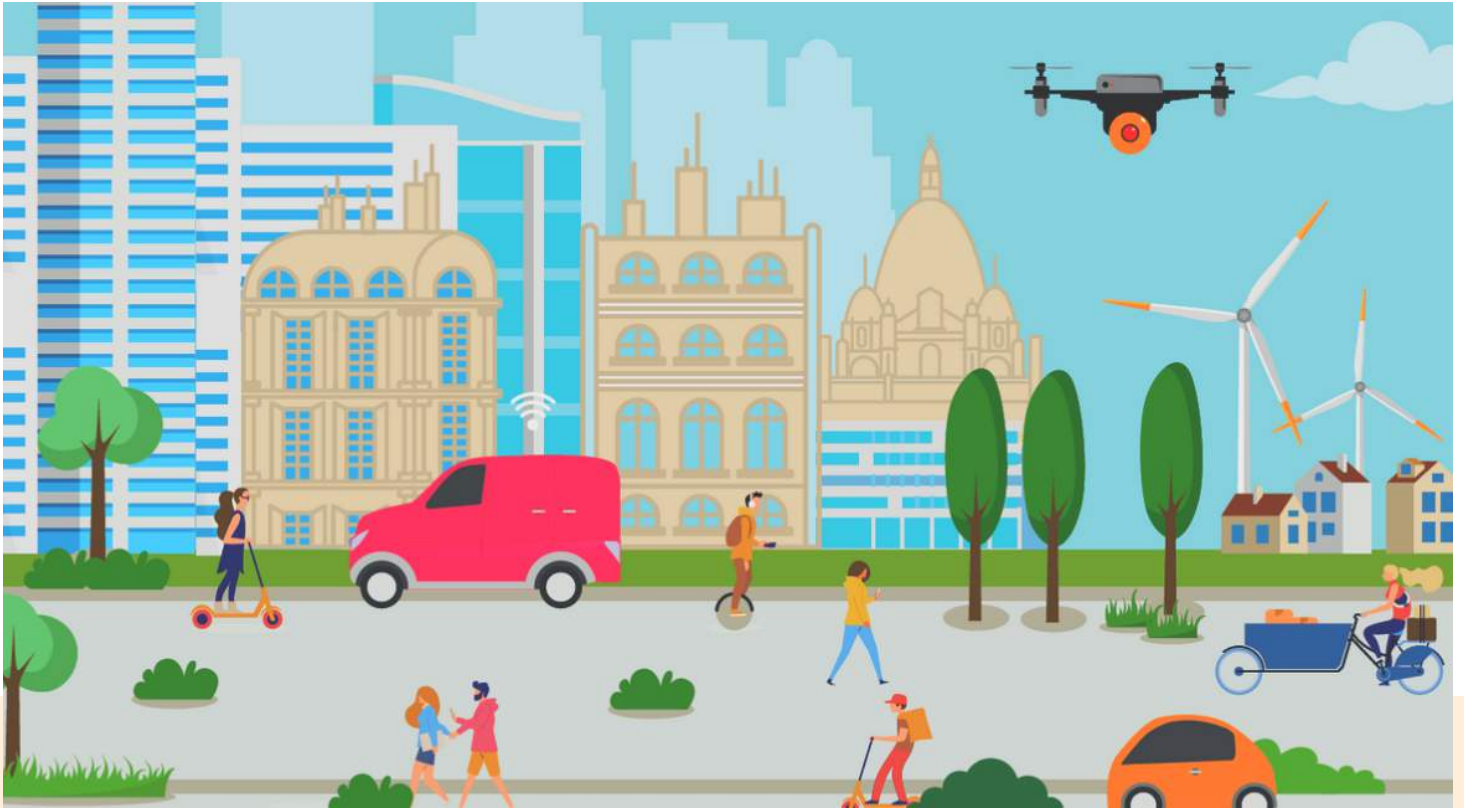




# HARMONY

SPATIAL & TRANSPORT PLANNING FOR A NEW MOBILITY ERA



## A NEW MOBILITY ERA

Harmony is providing public authorities of metropolitan areas with the right planning tools to update their Sustainable Mobility Plans (SUMP) and lead the transition towards a new mobility era.





# HARMONY LAUNCH EVENT

*The consortium gathered for the first time in June 2019*

Harmony is a European project funded by the **European Commission** within the programme **Horizon 2020**.

Harmony will support public authorities and service providers in transport and spatial planning. It will elaborate a **model suite** informing suitable recommendations to be implemented in different urban scenarios. Harmony will test its solutions in 6 different cities and real-life testing will include demonstrations with **drones** and **autonomous vehicles** at the service of citizens needs.

The whole consortium gathered for the **kick-off meeting** in London, UK, on 5th and 6th June 2019. After a general overview of the project by the coordinator Dr Maria Kamargianni from UCL, each member of the consortium introduced its work package and explained its role within the project. Furthermore, the consortium had the pleasure of hosting the project officer from the European Commission, Dr Octavia Stepan, who underlined the meaningful impact Harmony will produce in addressing travelling demand and CO2 reduction at a regional level.

The meeting was followed by the public **launch event** on 7th June 2019. It was structured in three main panels of experts, each one focusing on a different aspect: innovation proposed by industries, challenged faced by urban authorities, spatial and transport planning. Finally, a cross-session discussion wrapped up the event and shed some light into future developments.



**WE NEED TO GO  
BEYOND COMPETITION  
AND EMBRACE  
COOPERATION.**

**VICENT PASTOR- ENIDE**



# INTERVIEW TO THE COORDINATOR

*The coordinator Dr Maria Kamargianni answered some questions about Harmony.*

## What does Model Suite mean?

Harmony Model Suite is a **platform** bringing together **different kinds of models** (spatial and transport planning, land-use models, regional economic growth models, etc). By bringing all this together, we will develop a suite of different types of models.

## What do spatial and transport planning mean?

Spatial planning is about how the space around us is organised and, in the case of transport planning, where the elements of the transport system are situated. Spatial and transport planning are about how we will **design our transport system**, for example where to have train stations, bus stops, parking lots. Within Harmony we go one step further and we include the facilities that **new mobility services and technologies** like automated vehicles and drones will need.

## How will Harmony benefit people?

We would like to understand how traditional and new mobility services and transport models can work together in harmony in order to serve the needs of citizens and authorities. Citizens and the needs of individuals are at the centre of Harmony, in fact we envision several **co-creation activities** where we engage them to understand their needs and requirements. Based on this, we will design the solutions within the Harmony project.

## What excites you the most about the project?

There are several exciting things in Harmony. From a technology point of view, we will have the opportunity to demonstrate **automated vehicles and drones** in real conditions to see how they interact with traditional transport modes. To my knowledge, we will have the **first demonstration area** where we will have both AVs and drones to understand how these transport modes can cooperate to cover first- and last-mile deliveries. From the scientific and technical point of view, we bring together different types of spatial and transport models. And of course, the co-creation process that we follow in Harmony involving citizens, authorities, industries, researchers is a very inclusive way to provide innovative outputs.



**WE WILL HAVE THE FIRST DEMONSTRATION AREA WITH BOTH AUTOMATED VEHICLES AND DRONES TO SEE HOW THEY CAN COOPERATE.**

**MARIA KAMARGIANNI - UCL**





# HARMONY AT CIVITAS 2019

Harmony participated in CIVITAS 2019 in Graz, Austria in October 2019.



## CIVITAS FORUM 2019

CIVITAS is an initiative launched by the European Commission in 2002. It supports cities in introducing ambitious transport measures and policies towards sustainable urban mobility. Its goal is to achieve a significant shift towards sustainable transport through both innovative technology and policy-based strategies.

“CIVITAS Forum 2019 – Back to the future” was the 17th annual conference on urban mobility. The conference always attracts the major European experts in the field of mobility, including but not limited to public administration, policymakers, academic researchers and industrial stakeholders. This edition, as the title suggests, focused on the acknowledgement of the progress done so far in sustainable transport, but also on the necessity to foster innovation to advance multimodal, low-carbon, accessible urban mobility.

## WHY DID HARMONY PARTICIPATE?

As a new Horizon2020 project within CIVITAS, Harmony was introduced to the CIVITAS Cluster Meeting on 2nd October. This was a valuable occasion to create synergies with our European colleagues towards the same goal of sustainable urban mobility.

Also, Francesc Rosinés from Enide represented the project in Session 21 on 3rd October: “Beyond boundaries: improving mobility across the wider urban area”. Harmony’s contribution focused on spatial and transport planning tools passenger and freight transport beyond their administrative boundaries.

Finally, Vasilena Mitsiadi from the City of Trikala participated in the discussion platform on Urban Air Mobility provided by Session 27 on 4th October. Harmony offered its pilot in Trikala, Greece as an example of opportunities and challenges related to Urban Air Mobility.



# CROSS-METROPOLITAN WORKSHOP

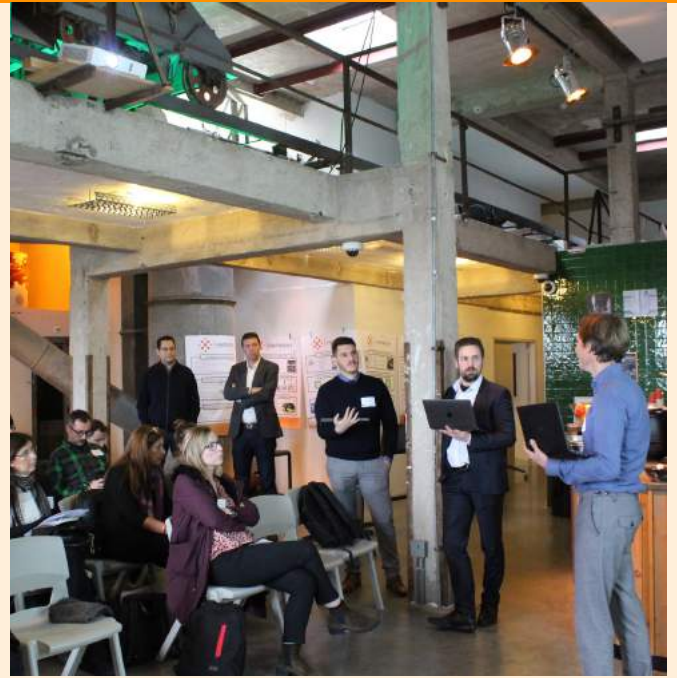
*Harmony first cross-metropolitan workshop focused on stakeholder requirements.*

Harmony held the **first cross-metropolitan workshop** in November 2019 in Rotterdam, the Netherlands. The main goal of the workshop was to engage key stakeholders in the field of sustainable mobility and understand their **requirements** when it comes to spatial and transport planning.

The workshop was structured around two main sessions on **automated vehicles and drones** respectively. Both provided enriching platforms for knowledge exchange and discussion, such as presentations, round tables and panel discussions. A poster session run throughout the day showcasing the Harmony pilots in the six metropolitan areas participating in the project.

This cross-metropolitan workshop was part of a wider strategy aiming at reaching out for relevant stakeholders in order to grasp their needs and preferences in terms of passenger and freight mobility and spatial solutions. The workshop addressed **key topics and challenges** related to the emergence of **new forms of sustainable mobility**, such as planning policies introducing autonomous and urban air mobility, policy implementation challenges and requirements, and identification of key criteria for policy impact evaluation.

A report of this workshop will be published as a public deliverable shortly after the event. Next cross-metropolitan workshop is envisaged in 2021.







## HARMONY IN INTERNATIONAL EVENTS

*Harmony international team participated in many events throughout Europe!*

KICK-OFF MEETING | 5-6 June 2019  
First meeting in London, UK.

LAUNCH EVENT | 7th June 2019  
Public launchin of the project in London, UK.

SIL BARCELONA 2019 | 27th June 2019  
International Logistics Exhibition in Barcelona, Spain.

THESSALONIKI INTERNATIONAL FAIR 2019 | 7-15 September 2019  
Annual international exhibition event in Thessaloniki, Greece

CIVITAS Forum 2019 | 2nd October 2019  
CIVITAS Annual conference in Graz, Austria.

PLENARY MEETING | 5-6 November 2019  
First plenary meeting in Rotterdam, the Netherlands.

CROSS-METROPOLITAN WORKSHOP | 7th November 2019  
First cross-metropolitan workshop in Rotterdam, the Netherlands.

### FACTSHEET

Duration: 1 June 2019 - 30 November 2022

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Dissemination: Francesc Rosinés, ENIDE, [francesc.rosines@enide.com](mailto:francesc.rosines@enide.com)



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