



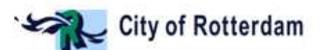
HARMONY

SPATIAL & TRANSPORT PLANNING FOR A NEW MOBILITY ERA



KEEP SAFE, BUT KEEP CONNECTED

HARMONY is supporting public authorities of metropolitan areas in leading the transition towards a new mobility era. That is why we are making it easy for mobility stakeholders to keep connected, while keeping safe.





COVID-19: STRONGER TOGETHER

HARMONY launched the End Users' Group to help transport experts shape a new mobility era together while keeping a safe distance.

HARMONY **End Users' Group** (EUG) is one of the HARMONY's boards, gathering both internal and external stakeholders (transport actors, city and region authorities, service providers, policymakers, standardisation bodies and other public authorities, etc.). Its aim is to provide end-users' perspective on the project co-creation activities, broaden user acceptance and promote the adoption of the HARMONY developments. The EUG will be a **dynamic board** able to welcome new members throughout the project lifetime.

The **participation** in the HARMONY End Users' Group takes several forms, which include:

- to keep updated with HARMONY developments (i.e. follow our social media, subscribe to the newsletter, etc.);
- to provide direct feedback on every opportunity (i.e. participation in workshops, webinars, interviews, surveys, etc.);
- to assist the HARMONY consortium to efficiently evaluate the proposed innovations and perform the required corrections according to the end users' needs and expectations;
- to help recruit participants for primary data collection;
- to discuss the final outputs resulting from co-creation activities;
- to help reach consensus regarding the proposed solutions for key issues.

The EUG participants will be kept abreast with all the innovations related to HARMONY, including the piloting of drones and automated vehicles, and with their implementation in the six metropolitan areas of the project. The EUG participants will have the chance to closely **cooperate** with some key partners that are pioneers of sustainable mobility innovation in Europe and beyond.

Visit our website to join!



KEEPING A SAFE DISTANCE WON'T PREVENT US FROM SHAPING A NEW MOBILITY ERA TOGETHER.



NEW APPROACHES IN HARMONY CO-CREATION ACTIVITIES

Nellie Tzivelou from OASA explains HARMONY's cooperative reaction to COVID-19.

What is OASA's role in HARMONY?

The Athens Public Transport Organization (OASA) is the sole mass transit operator in the Attica region, with exclusive control over its bus, tram, trolley and subway networks. OASA envisages a future where urban transport will be centered around the passenger and will be carried out under a sustainability objective, while still ensuring its financial viability and profitability outlook.

HARMONY is an aid in this effort; Athens serves as one of the pilot cities in HARMONY, where different types of novel mobility measures will be tested over its network.

How has OASA reacted to the COVID-19 impact on HARMONY activities?

The first Athens co-creation lab was initially planned to be held in Athens in March 2020.

However, the coronavirus outbreak has been a major impediment in the planning and organization of the lab, that was finally held online. Some questionnaires were formulated on the basis of four scenarios:

- Electrification of public transport (battery electric buses (BEBs))
- Operation of autonomous bus fleets (autonomous vehicles (AVs))
- Operation of demand responsive transit (DRT)
- Application of micromobility schemes.

What are the results of the HARMONY co-creation lab in Athens?

The key findings of the first Athens co-creation lab may be summarized as follows:

- Most of the stakeholders face transportation challenges, especially related to intermodality and ITS, that impact the quality of life, as well as various economic and business aspects.
- Lack of coordination and limited budget seem to hinder the resolution of these challenges.
- All examined scenarios appear to be well-accepted by the general public.
- The provision of financial incentives is argued to be important for the transition to the new mobility era.
- Different advantages and disadvantages may be identified when considering the application of each of the individual scenario (infrastructure costs, safety and security, regulatory framework, social equity, impact on other modes of transport).

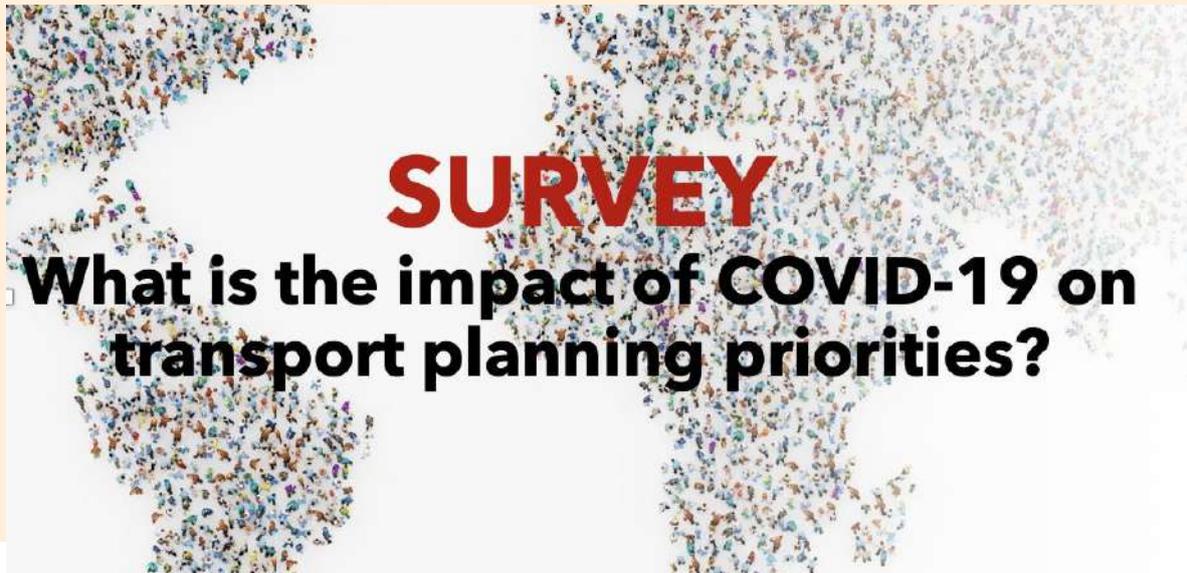
Stakeholder engagement is expected to continue with the organization of the second Athens co-creation lab in Spring 2021.



**FUTURE URBAN TRANSPORT
WILL BE CENTERED AROUND
THE PASSENGER.**

NELLIE TZIVELOU - OASA





WHAT IS THE IMPACT OF COVID-19 ON TRANSPORT PLANNING PRIORITIES?

We asked this pressing question to help address the current mobility challenges.

With the COVID-19 outbreak, policymaking and urban transport have unquestionably changed. But how? HARMONY has launched a survey to capture those changes and explore which actions and tools are adopted to implement **new policy objectives**.

HARMONY is a project funded under the European Union's (EU) Horizon 2020 programme and is part of the **CIVITAS** family. The goal of the project is to deliver a new generation of regional **spatial and transport planning tools** which will enable metropolitan area authorities to introduce **new passenger and freight mobility services** in a sustainable way. In particular, this survey investigates mobility stakeholders' views about:

- potential changes in urban and transport planning priorities due to the COVID-19 outbreak;
- the actions used to implement the prioritised or new planning objectives;
- the planning tools or processes that are in place in different organisations.

Want to have your say? Visit our website, take part in the survey and share it with your contacts in the public and private sector. The **results** of the survey will be presented during the HARMONY webinar in December.

Don't miss the opportunity to shape the new mobility era!

MANAGING THE UNEXPECTED

HARMONY webinar to explore SUMP and new mobility services during COVID-19



HARMONY organised its first **webinar** on 14th December 2020. The main goal of the webinar is to present the project initial findings and to explore whether new mobility **stakeholders' requirements** have arisen, especially due to the ongoing COVID-19 pandemic.

The webinar will be structured around two main sessions on **Sustainable Urban Mobility Planning (SUMP)** and new transport modelling, business models and **mobility services** respectively. Several HARMONY partners will present the initial project outcomes, as well as the results of the HARMONY **survey** on the COVID-19 impact on transport planning priorities. Additionally, HARMONY invited the project **LEAD** to bring the added value of their research into digital twins and sustainable urban logistics. This synergy among similar **CIVITAS** projects will offer an enriching occasion to join forces and **exchange knowledge** among H2020 initiatives. Similarly, a lively discussion will be encouraged by a mix of platforms, such as presentations, polls and an interactive workshop.

The online **workshop** is part of a wider strategy aiming at reaching out to relevant stakeholders in order to grasp their needs and preferences in terms of passenger and freight mobility and spatial solutions. The workshop will address key topics and challenges in the post COVID-19 era, such as SUMP, transport modelling, business models and new technologies (especially automated vehicles and drones).

Visit our website to check the speakers and register to the webinar!

IT'S A KIND OF MEETING

Safe distancing doesn't mean that networking and engagement activities are left behind. HARMONY participated in a number of virtual events in 2020.



An even greater opportunity to participate

EUROPEAN TRANSPORT CONFERENCE 2020

The European Transport Conference (ETC) is the annual conference of the Association for European Transport.

Michiel de Bok and Sebastiaan Thoen from Significance; Lori Tavasszy and Ioanna Kourouniotti from TU Delft presented the HARMONY **tactical freight simulator** during the second session chair of the “Freight and logistics” stream. Additionally, Francesca Fermi from TRT presented the HARMONY **model suite** during the third session chair of the “Transport models” stream.

URBAN MOBILITY DAYS 2020

The online conference combined two leading events in Europe: the **CIVITAS Forum Conference** and the **European Conference on Sustainable Urban Mobility Plans (SUMP)**s).

HARMONY was presented in the session “Challenges and opportunities for Urban Air Mobility” on 1st October 2020. The coordinator Maria Kamargianni from UCL MaasLab presented HARMONY’s **pilots with drones** in Oxfordshire, Trikala and GZM that will ultimately update SUMP about **UAM** in our metropolitan areas.



FACTSHEET

Duration: 1 June 2019 - 30 November 2022

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