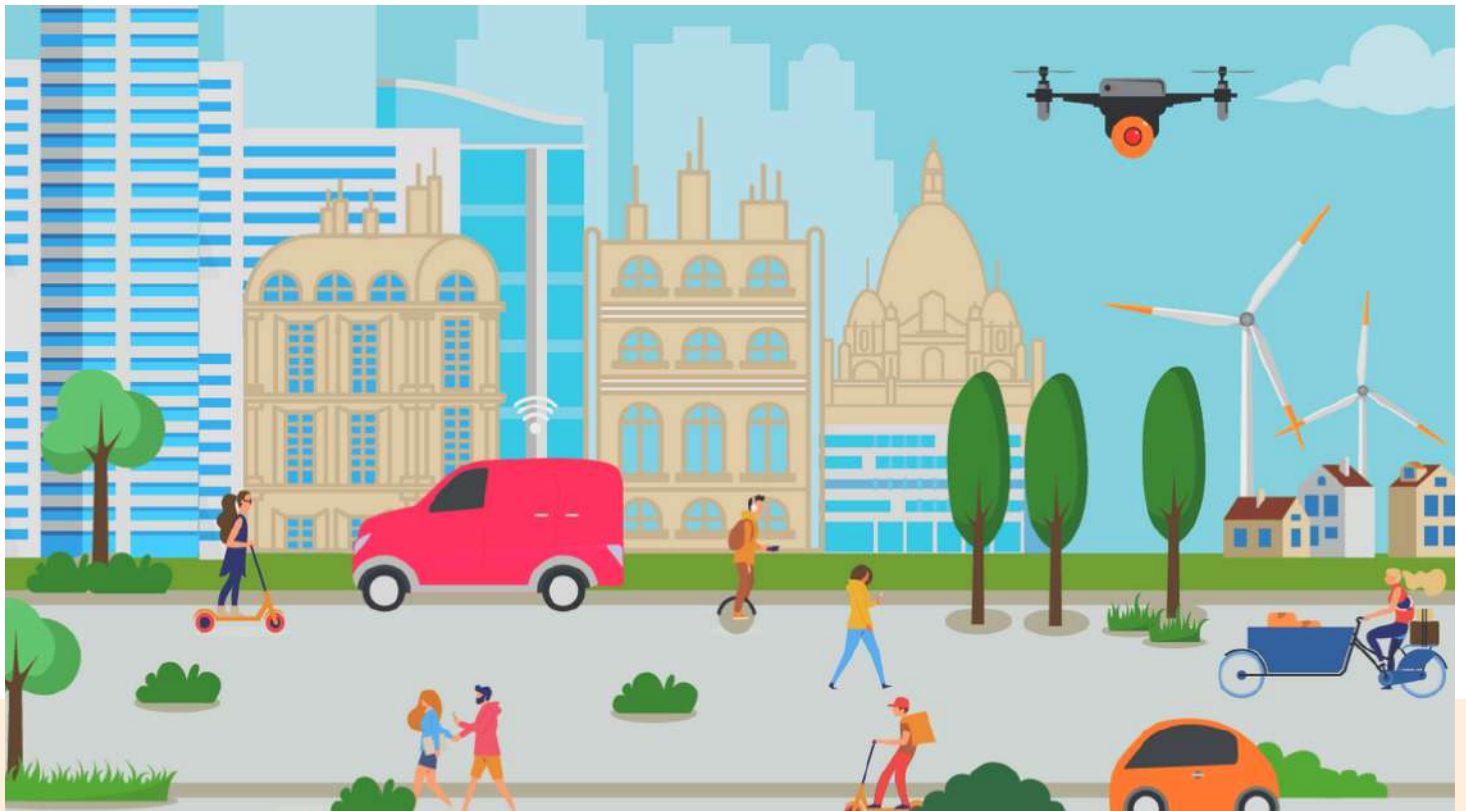




HARMONY

SPATIAL & TRANSPORT PLANNING FOR A NEW MOBILITY ERA



#STAYHOME EDITION

HARMONY is providing public authorities of metropolitan areas with innovative planning tools to update their Sustainable Mobility Plans (SUMP) and lead the transition towards a new mobility era. Also amid the COVID-19 pandemic.





COVID-19: HOW WE CAN HELP ADAPT IN A PANDEMIC

The confinement showed the great potentiality of HARMONY solutions. Odisseas Raptis, George Gorgogetas, Kristina Karaberi and Elena Patatouka from Trikala explain the our pilot in Greece.

The **COVID-19 pandemic** outbreak and its related confinement measures have introduced **new challenges** and requirements for the HARMONY pilots. For example, in Trikala, Greece they have accelerated the need for immediate accessibility to urgent medication through a remote process. The **pilot in Trikala** is focusing on **urban air mobility** systems and services. It consists of a **drone delivery service for medicines** from the city center to the pharmacies in the surrounding rural areas, serving primarily the urgent needs of elderly and other vulnerable social groups with limited accessibility to mobility services. This pilot will improve the everyday life of citizens, decrease the delivery time (since no traffic congestion is confronted in the third dimension), reduce operational costs and operate in a safer way promoting social distancing if needed, like in the context of the COVID-19 lockdowns. Not to mention the technological benefits of testing and deploying new urban air mobility technologies.

The pandemic has not stopped the activities in Trikala, where the next steps by our team are focussing on short- and long-term actions. In the short term, several authorities need to provide approvals and permits. In addition, we will collect the opinions, requirements and experiences of citizens and involved actors to **co-create the service** and evaluate it.

In the longer term, we would like to transform HARMONY's idea and promising pilot in Trikala into a feasibly **permanent service** to be implemented by the city. In addition, HARMONY will contribute to develop an urban air mobility ecosystem that enables new jobs, tests and investments in other local ecosystems in Greece and worldwide.



THE PILOT IN TRIKALA WILL IMPROVE SAFER OPERATIONS BY PROMOTING SOCIAL DISTANCING.



NEW APPROACHES IN HARMONY CO-CREATION ACTIVITIES

Eleni Charoniti from TNO explains HARMONY's cooperative reaction to COVID-19.

What is TNO's role in HARMONY?

TNO is managing and validating the activities in the six different metropolitan areas. These activities include organization of **co-creation labs**, physical **demonstrations**, such as testing of **drones** and **autonomous vans**, as well as stakeholder engagement actions. Our role will be completed by the synthesis of **HARMONY roadmaps** at a later stage of the project, supporting authorities in the transition to a new mobility era.

How has HARMONY proved resilient to COVID-19?

Due to the impact of the COVID-19 on daily activities, as well as on urban and regional mobility, we have strengthened the internal **communication** to stay connected and inform each other about the progress and planning of our activities. This is important also for **exchanging best practices**, so that both the project's objectives are achieved and the stakeholders' engagement is ensured. There have been quick reactions by all the partners to adjust some of the activities' objectives in order to account for **new challenges**, such as **social distancing**. Luckily enough, the drone remote operations from a support Control Room keep everyone safe at home. In other cases, such as the co-creation lab in Athens, we introduced some virtual alternatives, so now questionnaires will be sent via e-mail to the stakeholders and skype interviews will take place afterwards. Overall, the difficulties met during this period encouraged us to **strive for better and closer collaboration** in order to overcome them.

How will HARMONY benefit the 6 metropolitan areas involved in the project?

HARMONY will ensure that the results of the project are widely disseminated and implemented. This, firstly, includes the provision of **planning and policy recommendations** for updated SUMP, mobility strategies and transport models in the different areas. The recommendations will also inform **future demonstrations**. Further, HARMONY results will help better understand local mobility needs as well as promote approaches to sustainable implementations of new mobility services.



THE DIFFICULTIES OF THIS PERIOD ENCOURAGED US TO STRIVE FOR BETTER AND CLOSER COLLABORATION.

ELENI CHARONITI - TNO





READINGS FOR YOUR LOCKDOWN

We tried to answer some pressing questions about urban and regional mobility.

D1.1 | Review of new forms of mobility, freight distribution and their business models; gaps identification in KPIs and SUMP

What's the state of the art in sustainable mobility? This review offers a **knowledge base** of the future forms of mobility for **passenger and freight**. It also presents the strategic, tactical and operational **models** that are currently developed and used, identifying existing gaps and reviewing the policy appraisal methods, the KPIs, and the EU SUMP guidelines for regional spatial and transport planning. Find out more about new mobility services and technologies for transport policies in HARMONY metropolitan areas!

D1.2 | Stakeholder requirements and scenarios for regional spatial and transport planning

What do mobility stakeholders need? This report guides the identification of challenges and opportunities in terms of regional and **transport planning, multimodality** and integration of traditional and **new mobility services** at the European level. It also represents a useful reference tool to organise **stakeholder engagement activities** based on the HARMONY first cross-metropolitan workshop in Rotterdam.

D9.1 | The HARMONY area's orchestration, engagement plan and data collection guidelines

Interested in our co-creation labs? This report describes the setting up, operation, evaluation and knowledge exchange of the six HARMONY **co-creation labs**. It contains a set of activities to develop the **innovative approaches to the mobility services** at the local and regional level. The report includes all preparatory steps, which are necessary to set-up and coordinate the demonstrations, the stakeholders engagement activities, the primary and secondary data collections, the demonstrations and the evaluations of the case studies. Have a look into the **future of mobility** in six metropolitan areas!

VIDEOS FOR YOUR LOCKDOWN

Meet the HARMONY experts behind the scenes on our YouTube channel



During last months, several HARMONY partners were interviewed to share their opinion and expertise on **sustainable regional mobility**.

George Economides, team leader for Connected and Automated Vehicles at Oxfordshire County Council, explained how HARMONY will benefit local and regional public authorities. Since HARMONY is testing **innovative solutions** in six different European metropolitan regions, he believes that HARMONY will provide **public authorities** with a **common language** to **cooperate in the future**.

Phillip Johan Hofset Holland from Griff Aviation overseas business development, focused on HARMONY and its innovation towards **sustainable air mobility**. He stressed the necessity to **educate and train** users of drones to comply with aviation standards.

Simone Bosetti, senior mobility expert at TRT Trasporti e Territorio explained how HARMONY will **fill the gap** between public authorities and new mobility service providers when it comes to **planning mobility** in their metropolitan regions. By exploring innovative solutions, HARMONY will be able to provide **insights and recommendation** about their actual use and exploitation in real scenarios.

These and more interviews are available on HARMONY YouTube channel. Have a look and leave your feedback!

WHEN MEETINGS WERE NOT REMOTE

Missing meeting colleagues from all over the world? Have a look back at HARMONY events in early 2020.



GO MOBILITY 2020

GO MOBILITY is the meeting point for industrial and digital mobility in Southern Europe. It provides an exhibition areas for exchanging innovative ideas and projects among companies, service providers and decision makers in the field of electric vehicles, connectivity, big data and sustainable mobility.

David Quesada from ENIDE presented HARMONY during a poster session and elevator speech in Irun, Spain in March 2020.

5TH INTERNATIONAL TRAFFIC SAFETY FORUM

The International Traffic Safety Forum is part of the international effort towards more road safety worldwide. National authorities and business professionals engaged in panel sessions, presentations and networking activities to address together some of the most pressing challenges of road safety.

Our coordinator Maria Kamargianni from UCL presented International Best Practices of Mobility as a Service (Maas) in Dammam, Saudi Arabia in February 2020, including HARMONY innovations and advanced technologies.



FACTSHEET

Duration: 1 June 2019 - 30 November 2022

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