# AI4CITIES
## ACCELERATING CARBON NEUTRALITY

## Mobility Solution: Mpat Tool
## Piloting in: Amsterdam & Tallinn

### Introduction

The MPAT tool (Mobility Policy Auto Tuner) is an engine to optimize the $CO_2$ emission-reduction potential of city mobility policies, beginning with shared micro-mobility. By understanding the geographies where a trip on an electric-powered shared bicycle, scooter, or moped is most likely to create an emissions saving (ie, to replace an internal combustion engine vehicle trip), the tool is able to make recommendations for areas to implement new policies (ex, subsidies on rides, or removals of fleet caps).

The impact of these policies can be monitored with a specific view on $CO_2$ emissions savings. MPAT's innovativeness lies in the way it calculates shared mobility's $CO_2$ savings potential, also anticipating its growth and change. By using AI to forecast where demand for low-carbon micro-mobility trips will grow, it goes beyond currently existing practices for modelling the decarbonization potential of mode shift and can directly inform policy making to realise that potential.

### MPAT & Ai4Cities

As the underlying tool is already deployed in 40 markets around Europe the solution is ready for large-scale commercialization, MPAP's experience in AI4Cities also shows that he market for the solution remains large and growing. The application of the solution beyond its current focus on shared micro-mobility remains a likely possibility. The optimisation of taxi services, ridehail, goods delivery, and eventually aerial drones and autonomous vehicles with the objective of reducing $CO_2$ emissions is a clear objective articulated in most cities' Sustainable Urban Mobility Plans.

### Consortium

## ABOUT AI4Cities

The AI4Cities project is using AI to make Europe's cities more sustainable. Helsinki, Amsterdam, Copenhagen, Greater Paris, Stavanger and Tallinn are going through a Pre-Commercial Procurement (PCP) to find solutions to make their mobility and energy domains more carbon neutral.

## CONTACT

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