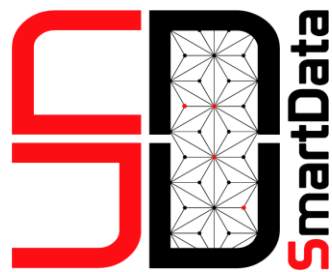




Politecnico
di Torino

SmartData@PoliTO



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SmartTalk: Covivio

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Analysis and simulation of urban shared mobility with Odysseus

ABSTRACT

Shared mobility is becoming increasingly popular in modern cities, as it is often reported to present several environmental, socio-economic, and transportation-related benefits. Developing methodologies to measure and evaluate the impacts of shared mobility has therefore become of critical importance for city authorities.

With the increased integration between ICTs and transport systems, data collection opportunities are arising, as traditional survey-based methods are often costly, slow, and not enough to reflect the complexity and dynamicity of current mobility systems.

In this context, we started the development of Odysseus, a software for data management, analysis, and simulation of shared mobility.

Odysseus can collect and transform mobility-related (open) data and use them as input for demand/supply modelling and simulation of what-if scenarios.

To show the workflow and potentialities of the software, we will present two recently published case studies focused respectively on car-sharing and e-scooter sharing.

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