

MASTI – Mobility as a Service and Socio-Territorial Inequalities

Summary

It is well known that transportation can be, in itself, a major cause of socio-territorial inequalities (STIs). Indeed, social exclusion and transport poverty are highly correlated, and this correlation is both a cause and consequence of social exclusion. Recently, several new shared mobility services such as bike-sharing, car-sharing and e-scooters, have appeared as new transportation options. If properly integrated with public transport (PT), these can constitute an alternative to car ownership and use by offering multimodal mobility access instead of ownership, i.e. offering Mobility-as-a-Service (MaaS). However, the role and impact of MaaS are yet to be determined and fully understood. MaaS impacts in STIs are inevitable but currently unknown. The limited literature points to an increase in STIs, and to both competing and complementary roles of SMS and PT. MASTI will specifically deal with the relationship between MaaS and STIs, which is currently unknown and not being researched in any other research project. MASTI will answer 2 research questions:

1. Is MaaS contributing to a reduction or an increase in existing STIs? In particular:

- i. Which areas are seeing an increase in accessibility, and which are not?
 - ii. Which socio-demographic and socio-economic groups are benefiting the most?
 - iii. What modal shifts are occurring as a result of MaaS?
 - iv. Is MaaS contributing to an increase in the well-being of the population?
2. Can MaaS contribute to a reduction of STIs and support more sustainable travel patterns? In particular:
 - i. What are the main barriers for a more integrated MaaS system?
 - ii. What are the main attributes of a MaaS system that succeeds in reducing car usage?
 - iii. What is needed to support and implement a socially and spatially inclusive MaaS system?

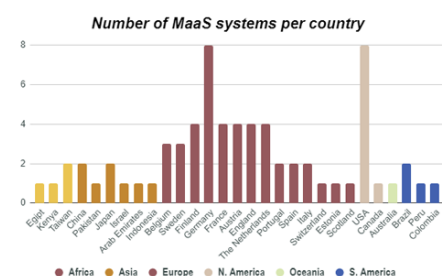
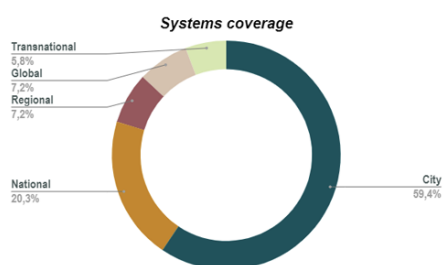
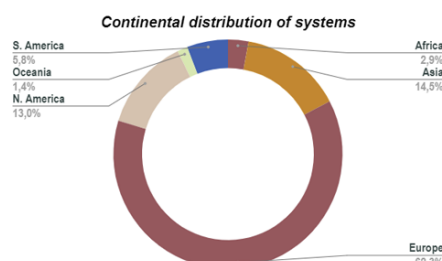
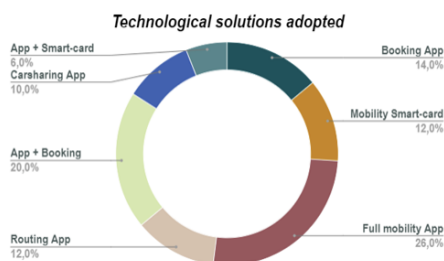
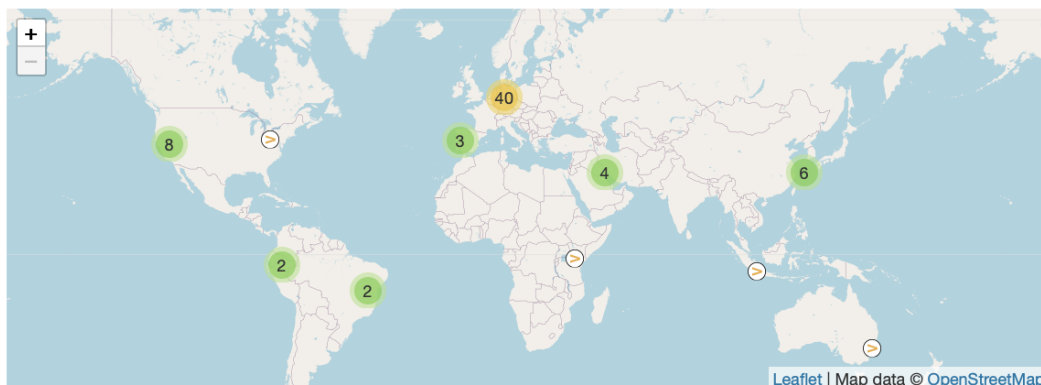


Figure 1. MaaS observatory.



Project Reference

PTDC/GES-TRA/3353/2020

Leading Institution

FA-UL – Faculdade de Arquitetura da Universidade de Lisboa (Portugal)

Partners

IST-ID – Associação do Instituto Superior Técnico para a Investigação e Desenvolvimento (Portugal), UECE – Research Unit on Complexity and Economics (Portugal), ISEGI – Instituto Superior de Estatística e Gestão de Informação (Portugal)

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CERIS

56 527.50€

Project Website

<https://masti.fa.ulisboa.pt/>