Why MAIA?

Any passenger using air transport services needs to combine them with other modes between their door-to-door origin and destination points and their origin and destination airports. To improve travel efficiency and reduce the aviation environmental footprint, an intelligent multimodal approach of airport access is required.

MAIA aims at maximising the contribution of mobility innovations to the competitiveness and sustainability of the European aviation sector. In this view, MAIA supports the design and implementation of multimodal airport access solutions.

Our partners:

NOMMON

TRANSPORT & MOBILITY LEUVEN

SystemX INSTITUT DE RECHERCHE TECHNOLOGIQUE

UNIVERSITY OF BELGRADE FACULTY OF TRANSPORT AND TRAFFIC ENGINEERING

POLIS CITIES AND REGIONS FOR TRANSPORT INNOVATION

brussels airport

Contact us

Contact details for the project:

Project Coordinator
Ines Peirats ines.peirats@nommon.es

Dissemination Manager
Manon Coyne mcoyne@polisnetwork.eu

Follow us on social media:

Visit our website:

maiasesarproject.eu

MAIA

Multimodal Access for Intelligent Airports

SUPPORTED BY sesar JOINT UNDERTAKING

Funded by the European Union

The MAIA Solutions

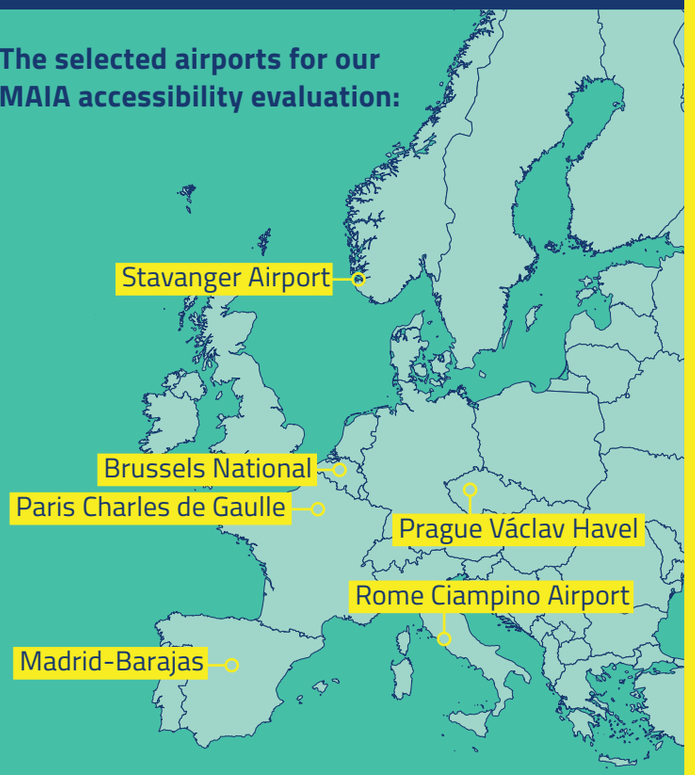
The goal of MAIA is to develop a set of data analytics and modelling tools to support the evidence-based design and implementation of multimodal airport access solutions based on two passenger mobility innovations: shared autonomous vehicle fleets and unmanned aerial vehicle fleets.

MAIA will reach this through 5 objectives:

- Assess opportunities and risks in airport mobility innovations.
- Create MAIA-Engine for passenger-focused multimodal access services.
- Develop MAIA-CCAM to optimize Shared Autonomous Vehicle fleets.
- Design MAIA-UAM for UAV service site selection with passenger and operational considerations.
- Showcase MAIA's impact through European case studies, enhancing passenger experience, capacity, and sustainability.

The MAIA Airports

The selected airports for our MAIA accessibility evaluation:



Get involved!

Within 5-10 years, MAIA envisions seamlessly integrating CCAM and UAM services with airports and other access modes, using AI tools and digital twins to anticipate their impact on airport performance. This will enable evidence-based decisions for improving passenger experience, capacity, and sustainability in aviation.

How to get involved?

1. **External Experts Advisory Board (EEAB):**
   Our EEAB is comprised of experts from various fields related to MAIA. They provide valuable feedback on project developments, ensuring a well-rounded perspective.

2. **Delphi Polls for All Experts:**
   Beyond our EEAB, we engage with experts like you through online Delphi polls alternated with exchanges in dedicated workshops. Your input on challenges and best practices is highly valued.

3. **MAIA Stakeholder Workshops:**
   These workshops enrich the insights collected in the polls. Dive deeper into the project's impact on your sector and collaborate with peers!