Modus

Modelling and assessing the role of air transport in an integrated, intermodal transport system

Annika Paul, Bauhaus-Luftfahrt e.V.

10th SESAR Innovation Days
7-10 December 2020
Virtual conference

WHY THIS PROJECT?

MOTIVATION

In the context of increasing environmental awareness, regulatory measures, capacity shortages across different modes, or the need for a more seamless and hassle-free passenger journey, the future evolution of European travelers' demand for mobility is still unknown, as well as its potential impacts on the European transport system.

The optimization and alignment of intermodal transport is therefore of utmost importance for the overall performance of the (future) European transport system, especially in regard to **providing a seamless and hassle-free journey for passengers** as well as mitigating (air) capacity constraints.

WHAT FOR?

Modus OBJECTIVES

The main objective of the project is **the analysis of the performance of the overall transport** system by considering the entire door-to-door journey holistically and assessing the role of air transport within an integrated, intermodal approach.

FACTS & FIGURES

PROJECT BUDGET
1.52 M€

EU CONTRIBUTION
0.99 M€

DURATION
30 MONTHS

01.06.2020
TO
30.11.2022

GRANT AGREEMENT
N° 891166

7 PARTNERS
FROM
5 COUNTRIES

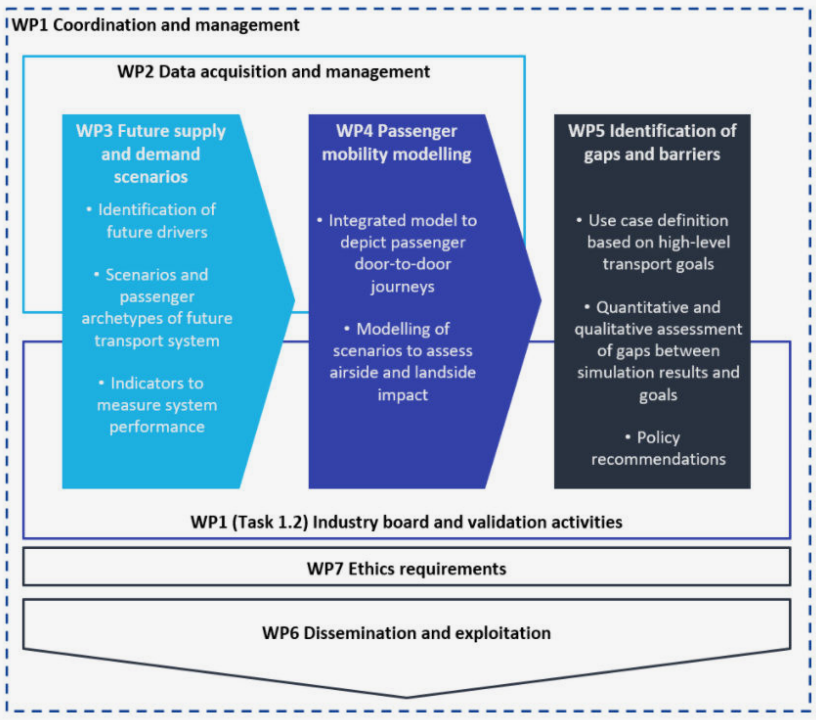
PROJECT COORDINATOR
BAUHAUS LUFTFAHRT

WORK PROGRAMME
H2020-SESAR-2019-2

HOW?

Modus IMPLEMENTATION

For this purpose, Modus **identifies and assesses (future) drivers for passenger demand and supply of mobility in terms of their impact on passenger mode choice**. This enables the development of multiple scenarios of future mobility paths, taking into account aspects such as new regulatory contexts meeting new environmental standards, or new transport operators' business models, covering a time horizon of 2040+.



Contact details

Annika PAUL
Annika.Paul@bauhaus-luftfahrt.net

Follow our future results

modus-project.eu

Understand

in a better way how ATM and air transport can better contribute to improve passengers' intermodal journeys and how this translates into an enhanced performance of the overall transport system

Explore and model

the connection and dependence between ATM/ air transport and other transport modes, with a special focus on the interplay between short and medium air and rail connections

Identify

the main barriers in achieving European (air) mobility goals and how air transport can evolve by efficiently connecting information and services with other transport modes to achieve the 4 hours door-to-door goal and a seamless journey experience for passengers.

KEYWORDS
Air transport, intermodal, transport, capacity, performance, Europe, modelling

Modus Consortium

Bauhaus Luftfahrt Neue Wege · ENAC · UNIVERSITY OF WESTMINSTER · innaxis · uic INTERNATIONAL UNION OF RAILWAYS · skymantics · EUROCONTROL