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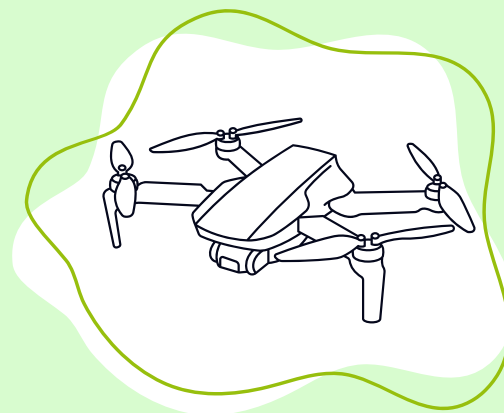
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PRIAM

Planning Regional-Scale
Multimodal Operations for
Innovative Air Mobility
Services



co-funded by the
European Union





Objectives

1. IMPACT ASSESSMENT FRAMEWORK

Defining a framework to evaluate IAM vehicle concepts and business models in addressing regional connectivity challenges and passenger needs.

2. DEVELOPMENT OF THE PRIAM SOLUTION

Creating a data analytics and modelling toolset that supports a passenger-centric integration of IAM infrastructure and services into multimodal networks

3. REGIONAL CASE STUDIES

Demonstrating the capabilities of PRIAM through case studies, showcasing improvements in passenger experience, capacity, environmental sustainability, and cost efficiency.

4. RECOMMENDATIONS FOR LARGE SCALE IAM DEPLOYMENT

Offering strategic recommendations for IAM services & large-scale implementation, supported by a thorough cost-benefit analysis.

PRIAM Solution

consists of five key components:

1

Passenger Adoption Analysis

2

Potential Demand Estimation

3

IAM Demand Modeling

4

Vertiport Location Optimisation

5

IAM Service Optimisation

Case Studies

La Gomera & Tenerife

La Gomera (22k inhab.) and Tenerife (950k inhab.) illustrate the challenges of inter-island mobility in the Canary Islands. Current transport relies mainly on slow ferries and limited air services, restricting accessibility and economic integration. IAM offers a potential solution by enabling fast, reliable, and flexible connections that could significantly enhance regional connectivity, boost tourism, and promote economic growth across the archipelago.

Catalan Pyrenees

The Catalan Pyrenees offer an example of the accessibility challenges faced by mountainous areas. Geographical barriers limit the ability to provide high-quality road infrastructure and HSR links. This isolation affects residents' access to services and limits tourism potential. IAM can fill these gaps by providing direct routes, improving daily mobility, boosting tourism, and strengthening resilience in emergency situations.