

Travel Wise

FA1

Transformation of Aviation and Railway solutions towards Integration and Synergies



Travel Wise strengthens multimodal situation awareness and coordination, focusing on Short term and Day of operations horizons, minimising disruptions through collaboration.

Travel Wise is a multimodal innovation project for the aviation and railway (and maritime) sectors, focusing on multimodal common situation awareness and increased

coordination between air/rail/waterborne transport modes to facilitate multimodal journeys.

Travel Wise shifts traffic management from isolated modes to multimodal orchestration by developing a framework for: i) information sharing across air, rail, maritime, ii) collaborative informed decision-making in both normal and disrupted conditions, and iii) optimising the passenger experience.

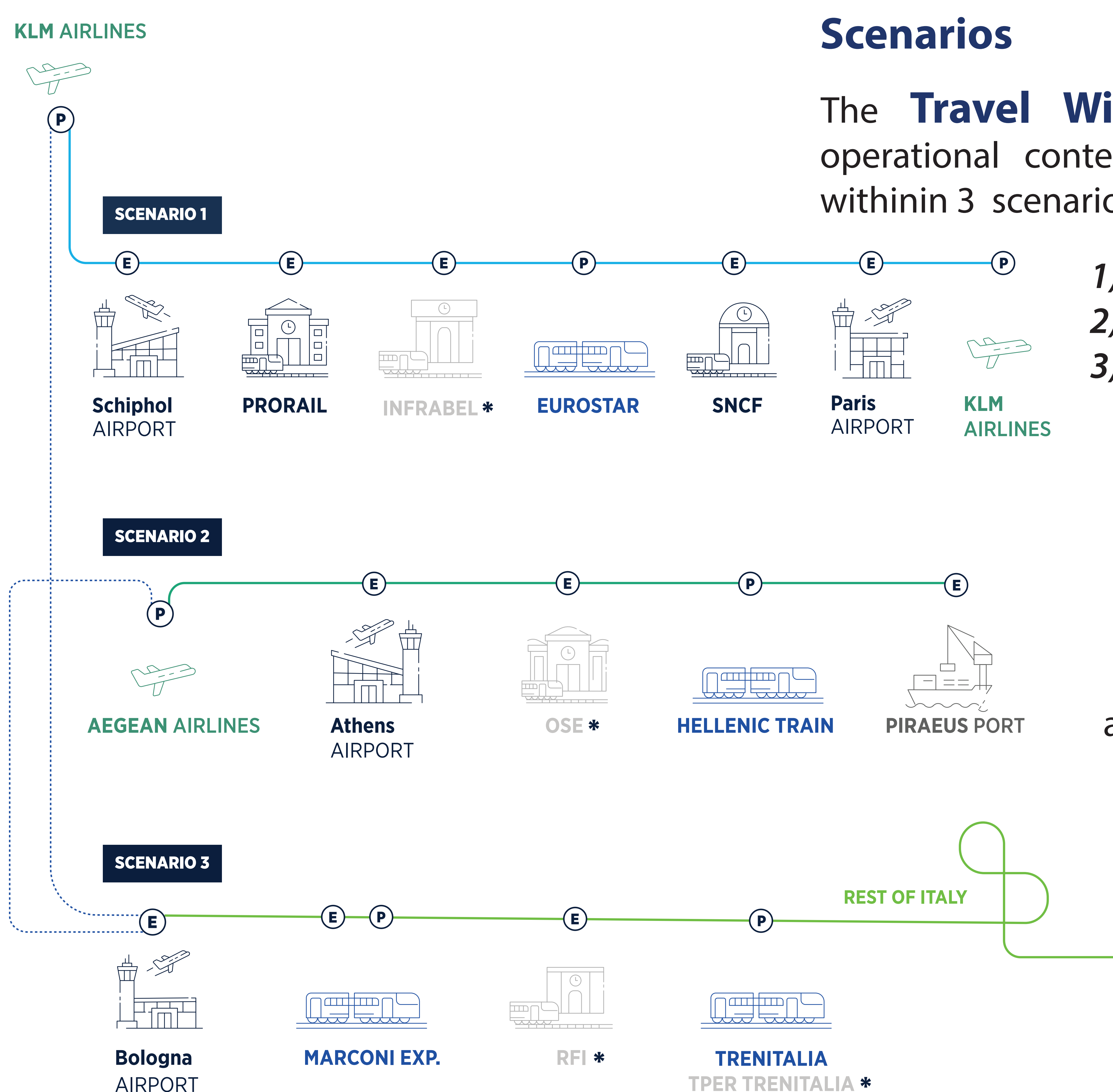
Scenarios

The **Travel Wise** project considers 3 operational contexts, that will be studied within 3 scenarios:

- 1) A city pair
- 2) An international hub
- 3) A regional airport

User Requirements Elicitation

A mixed top-down and bottom-up approach combining desk research and user workshops to map roles, tasks, information flows, and disruption-management needs.



Results of the User Requirements Elicitation

Multimodal integration: TW is expected to enable interoperable data exchange and coordinated planning across air-rail operators.

Sudden disruptions: TW is expected to provide early cross-mode alerts and coordinated response workflows to contain cascading disruptions.

Information coordination: TW is expected to deliver a shared operational picture with role-specific updates to support aligned decisions.

Timetable synchronisation: TW is expected to align schedules to protect connections.

Data sharing: TW is expected to enforce GDPR-compliant governance for trusted exchange.

Sustainability: TW is expected to prioritise rail-first options and optimise flows to reduce congestion and emissions.



Co-funded by the European Union

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