LinkingAlps

Innovative Tools and Strategies for Linking Mobility Services for a Decarbonised Alpine Space

The Challenge

To make low-emission mobility easy accessible and attractive for travellers!

To make transnational routings with public transport across the Alpine Space available for travels !

The Project

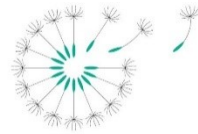INTERREG Alpine Space Program

Priority 2 - Low Carbon Alpine Space

2019 – 2022 (33 months)

14 Project Partners

6 Alpine Space Countries

6 Existing travel information services/ journey planners
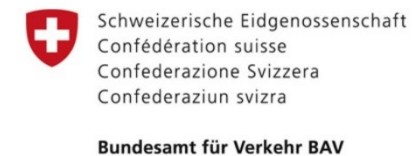
The Consortium

Travel information service providers

Regional transport authorities

National transport authorities/agencies

Research organisations & consultants

The Scope

foster the shift from motorized individual transport towards **low carbon transport** options in passenger transport

support the **exploitation of public transport**

The Scope

ease access to high-quality travel information
(door-to-door) across borders, operators and
modes in the Alpine Region

provide **seamless travel chains** going **beyond
the own region's** transport offers through easer
accessible information (outside of the region)

The Status Quo

Present Situation

LinkingAlps Service
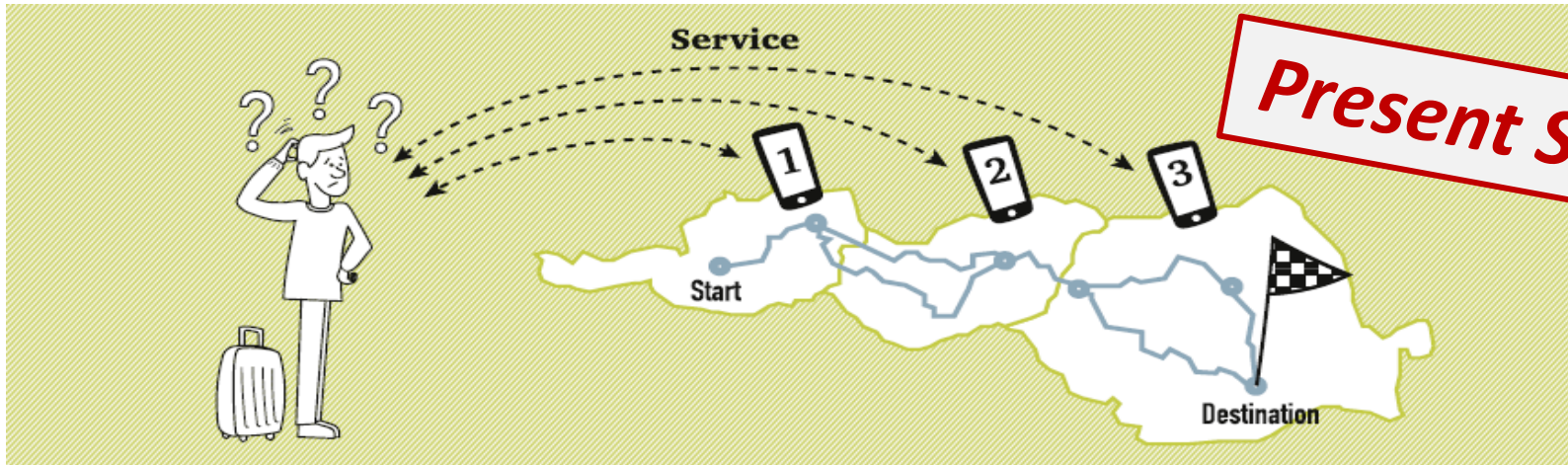
Our Motivators

## Motivator 1 – No Seamless Journey Planning

- **No universal multimodal travel information system** (cross-border, operator-spanning) for public transport, rail, alternative mobility offers

- **Isolated travel information with local or regional focus**, without cross-border and cross-operator information

- **No door-to-door routing with possible for longer journeys** (integrating long-distance transport)

Our Motivators

**Motivator 2 –
European legislation & CEN Standard
for 'Linking of Services'**
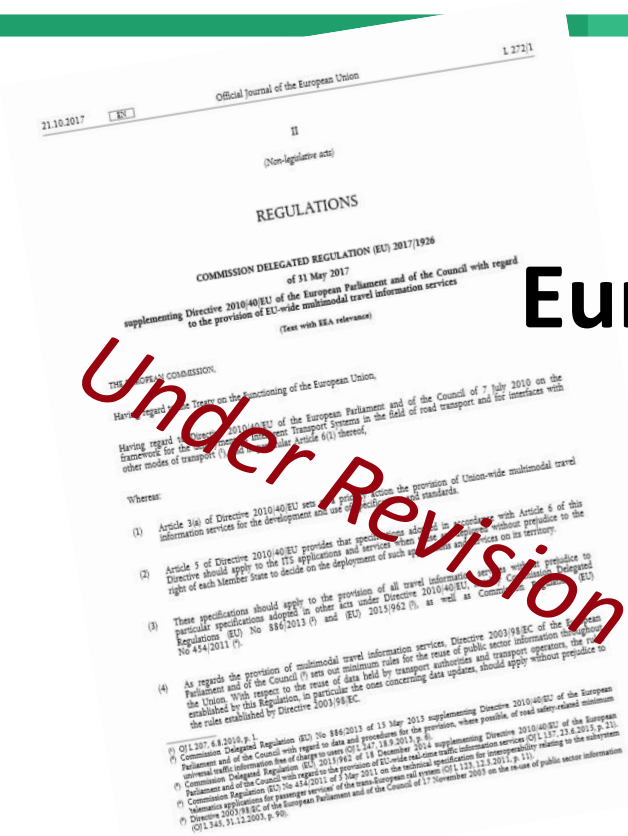
Article 7

*Linking travel information
services*

*Delegated Regulation 2017/1926
Provision of EU-wide multimodal travel
information services*

*CEN/TS 177118 Public Transport –
Open API for distributed journey
planning (2017)*

Our Motivators

Motivator 3 – Missing Viable Concepts for EU-wide Travel Information

- **Data Sovereignty** concerns for Travel Information Providers as increasing hindering factor for centrally organized solutions (e.g. platforms)

- **Third party driven** innovation landscape

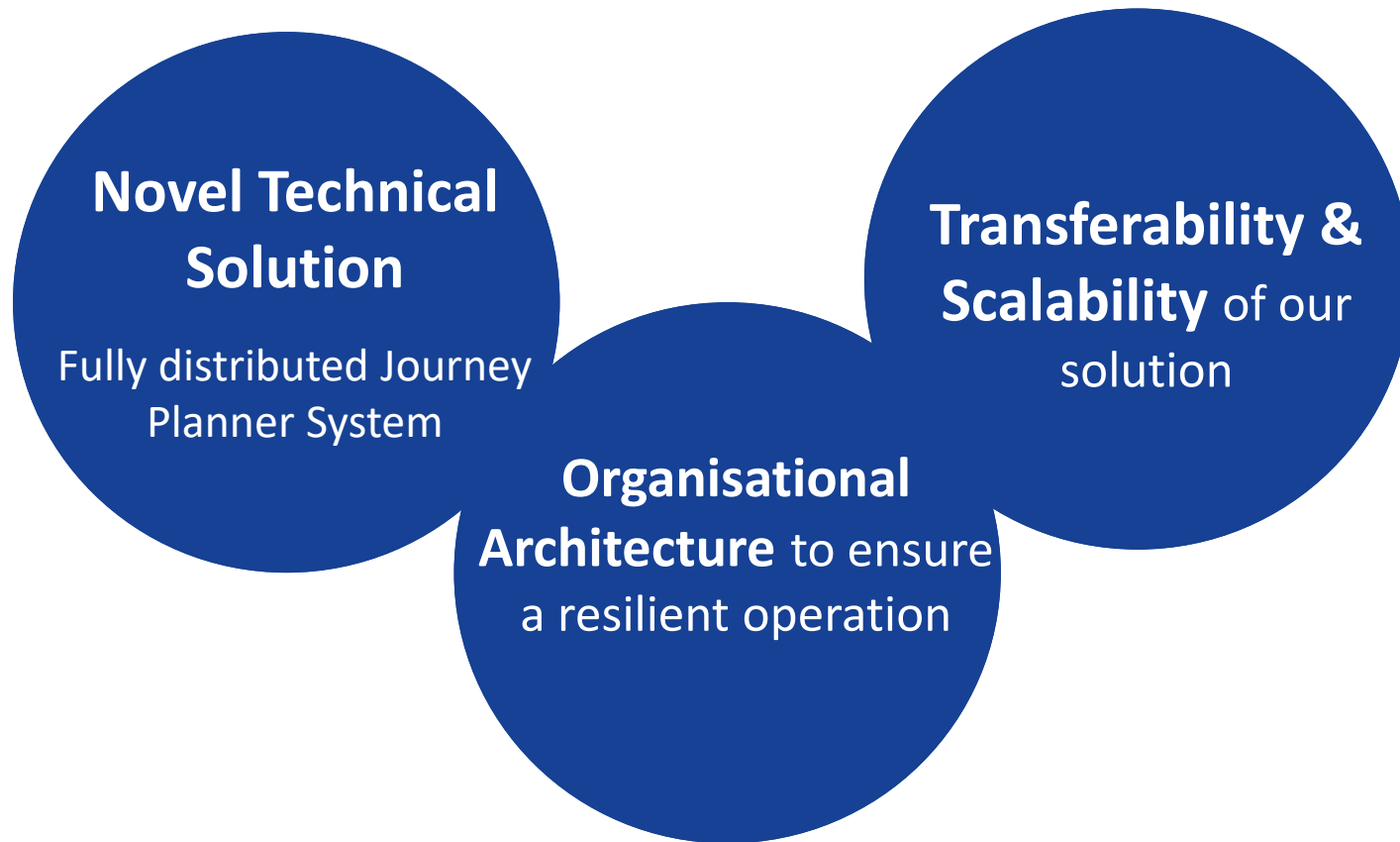   ⇨ new services are developed instead of innovating existing services

Our Credo

From

One serves All

Towards

All serve One

Our Key Objective

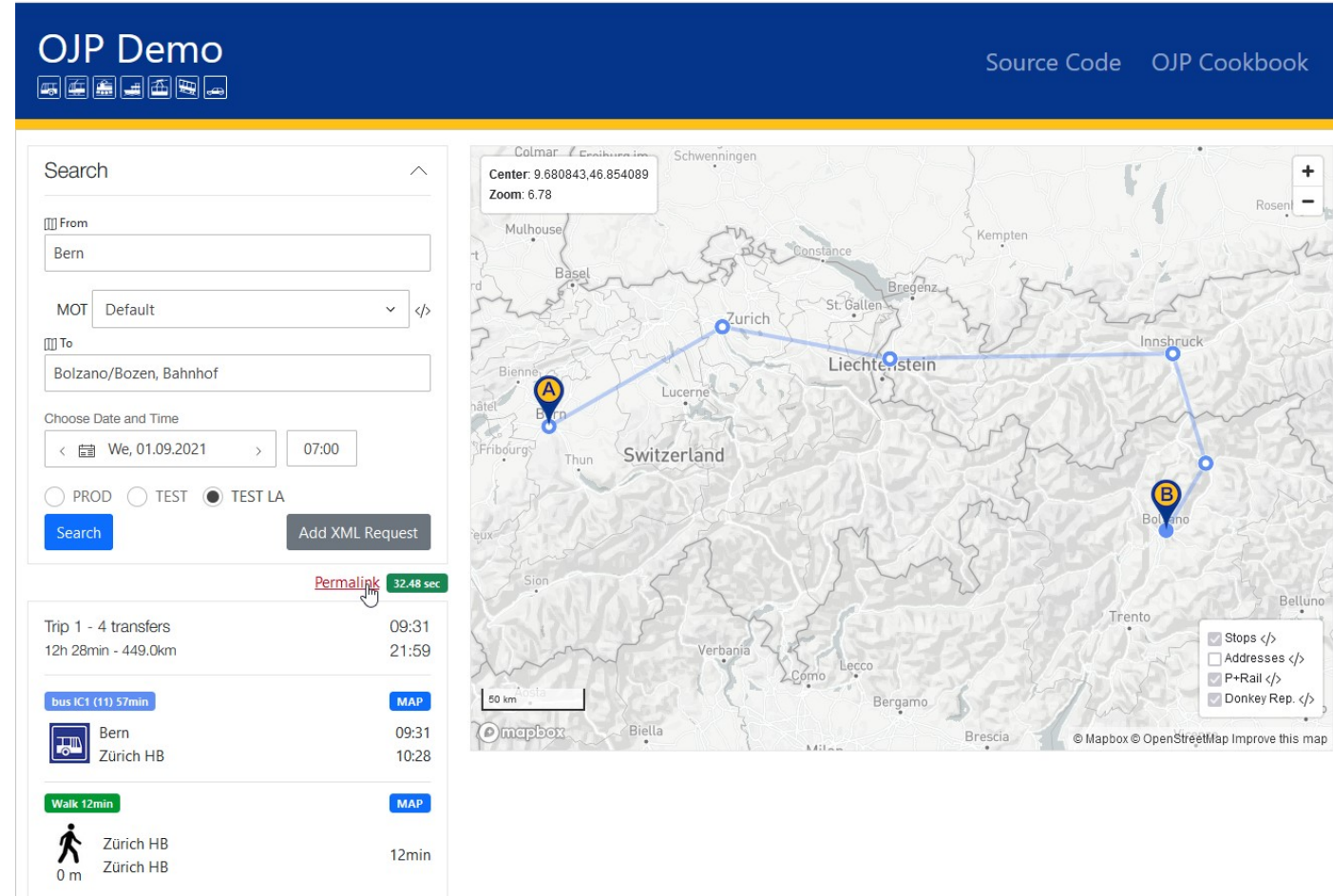**Prepare an Operational LinkingAlps Journey Planning Service between CH-AT-IT-SI**

Our Key Focuses

Novel Technical Solution

Fully distributed Journey Planner System

Organisational Architecture to ensure a resilient operation

Transferability & Scalability of our solution

Objectives & Outputs

Technical Objectives

- **Develop a fully distributed architecture** for decentralised journey planning (major technical challenge!)

- Develop an **LinkingAlps OJP Profile** (input for EU OJP Profile)

- Integrate LinkingAlps Service in existing route planer(s)

Objectives & Outputs

Organisational Objectives

- Develop a viable **organisational architecture** a fully distributed OJP service

- **Collaboration structure** for an operational LinkingAlps Service after the project end

- Develop a **framework strategy** for the aligned and harmonised OJP deployment in Europe (in cooperation with EU-Spirit and Danube Region)
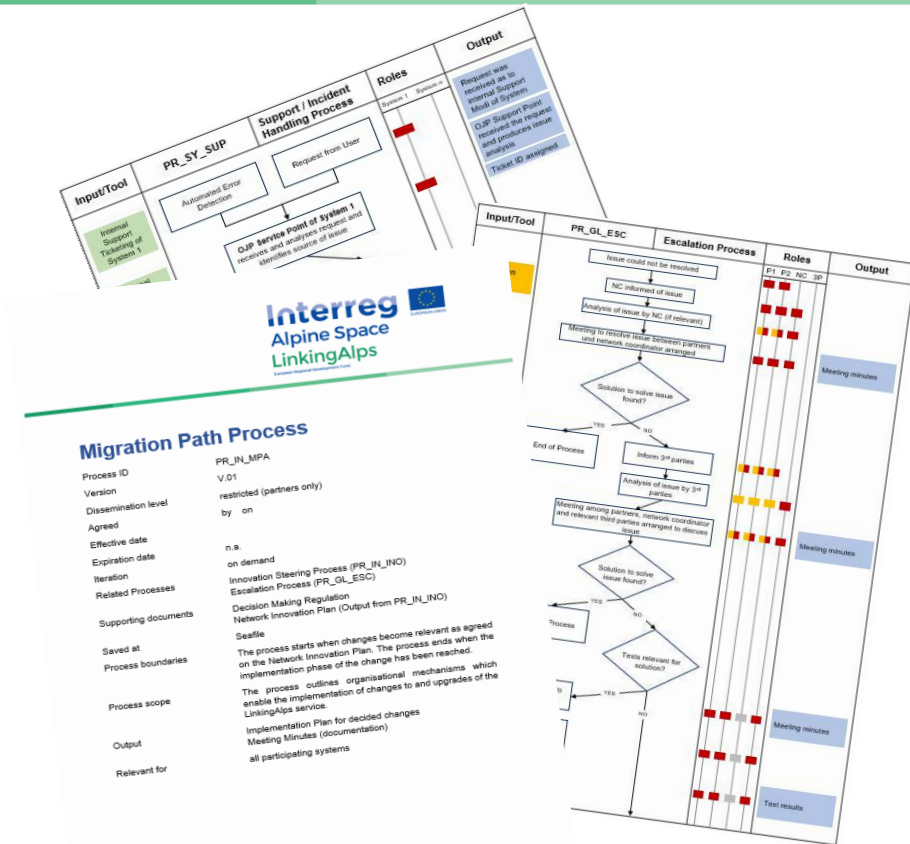
Objectives & Outputs

## Transferability & Outreach

- Develop **information material** for future adopters to foster transferability, adoption and scalability

- **Raise citizen awareness** for journey planner benefits

- **Transfer** of 'Linking of Services' approach and learning to **future adopters**

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Decision Support Handbook, Technical Blueprints, EU OJP Profile, Q&As for future adopters

Workplan
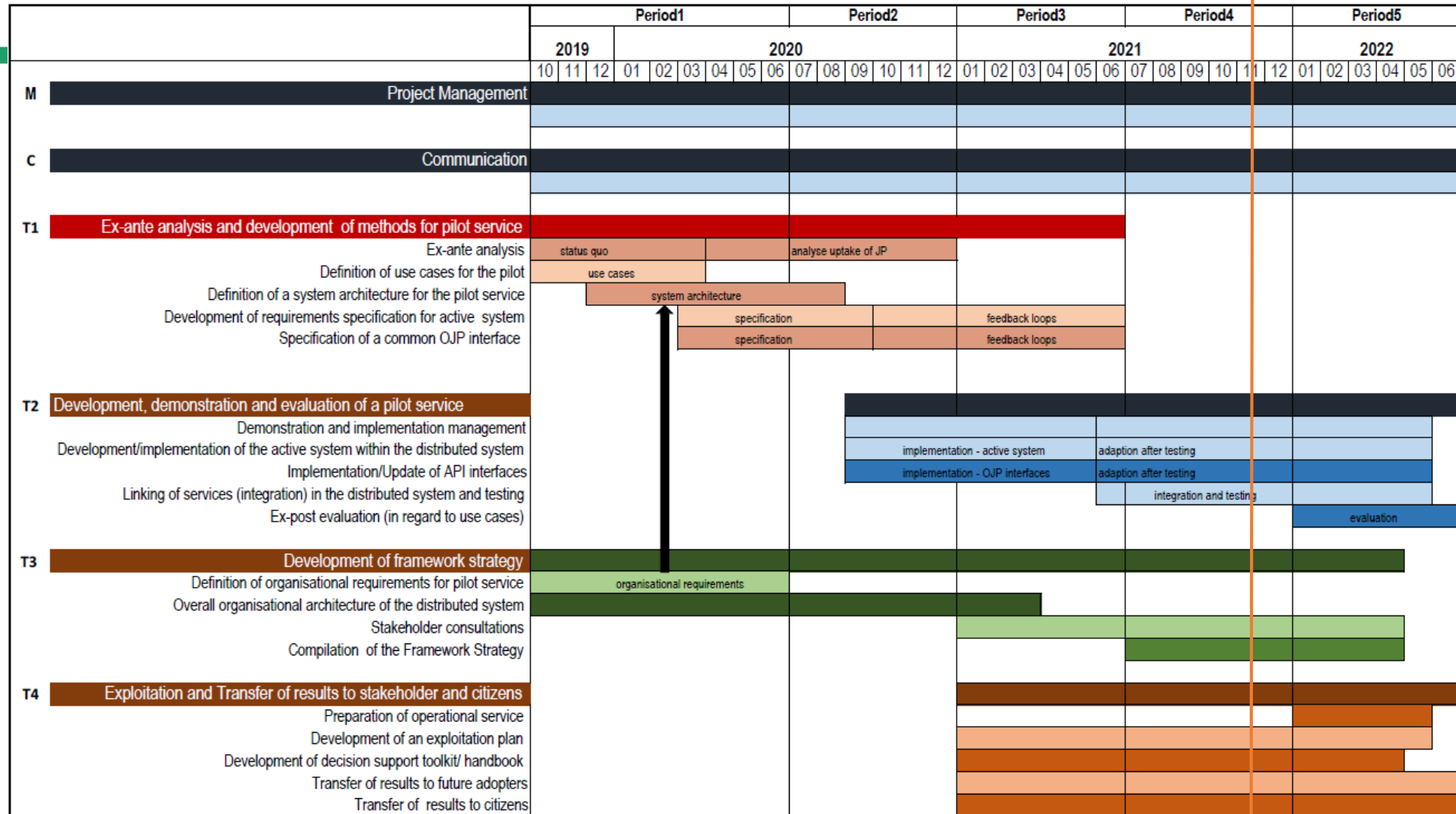
Project Status

Technical Activities
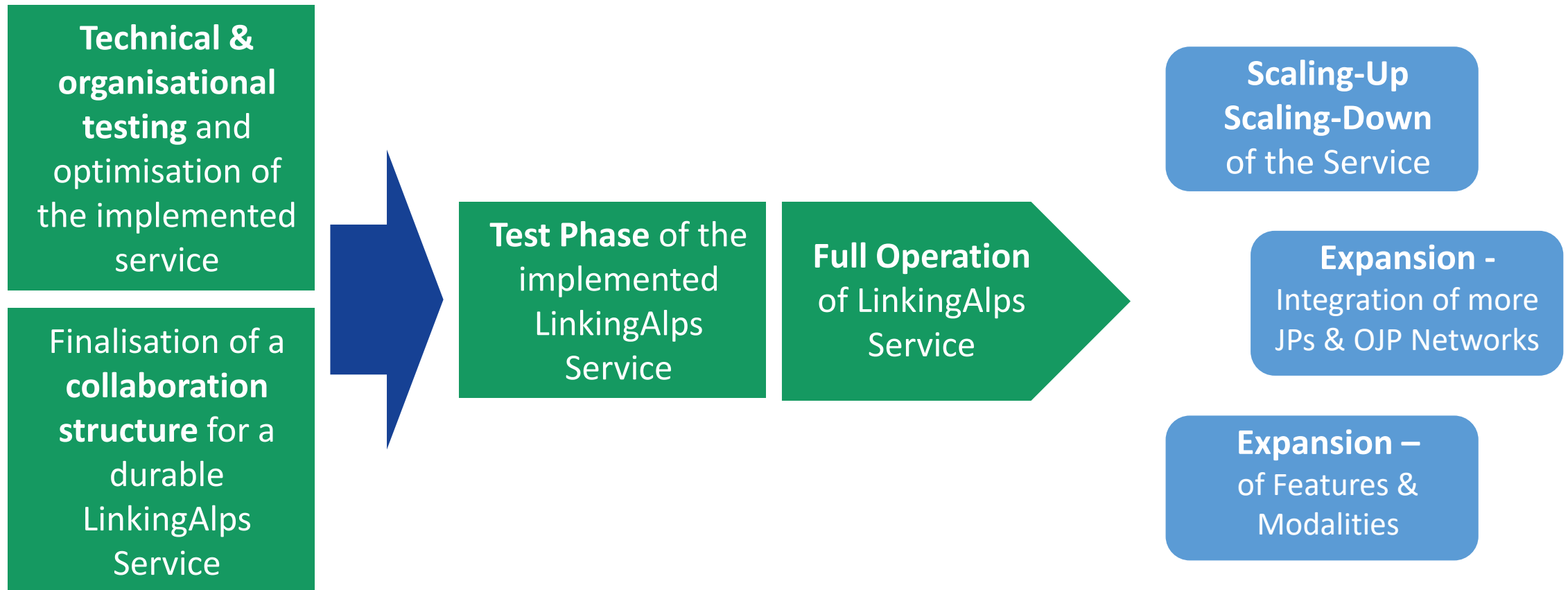
✓ Technical Architecture – finalised

✓ Technical requirements & specifications and OJP Profile – finalised

✓ Demonstrator of the LinkingAlps Service – final stage

• Implementation of the fully distributed service – ongoing

• Link with other European journey planning services via OJP interfaces – on-going

Project Status

Organisational Activities

✓ Development of a basic organisational architecture of the LinkingAlps Service – finalised

✓ Development of organisational processes – finalised

• Collaboration structure of the fully distributed LinkingAlps Service – on-going

• Organisational and cooperative framework for a Test-Phase – on-going

• Outreach, engagement of future adopters – ongoing

• Transfer on Knowledge (blueprints, decision-making handbook, etc.) – on-going
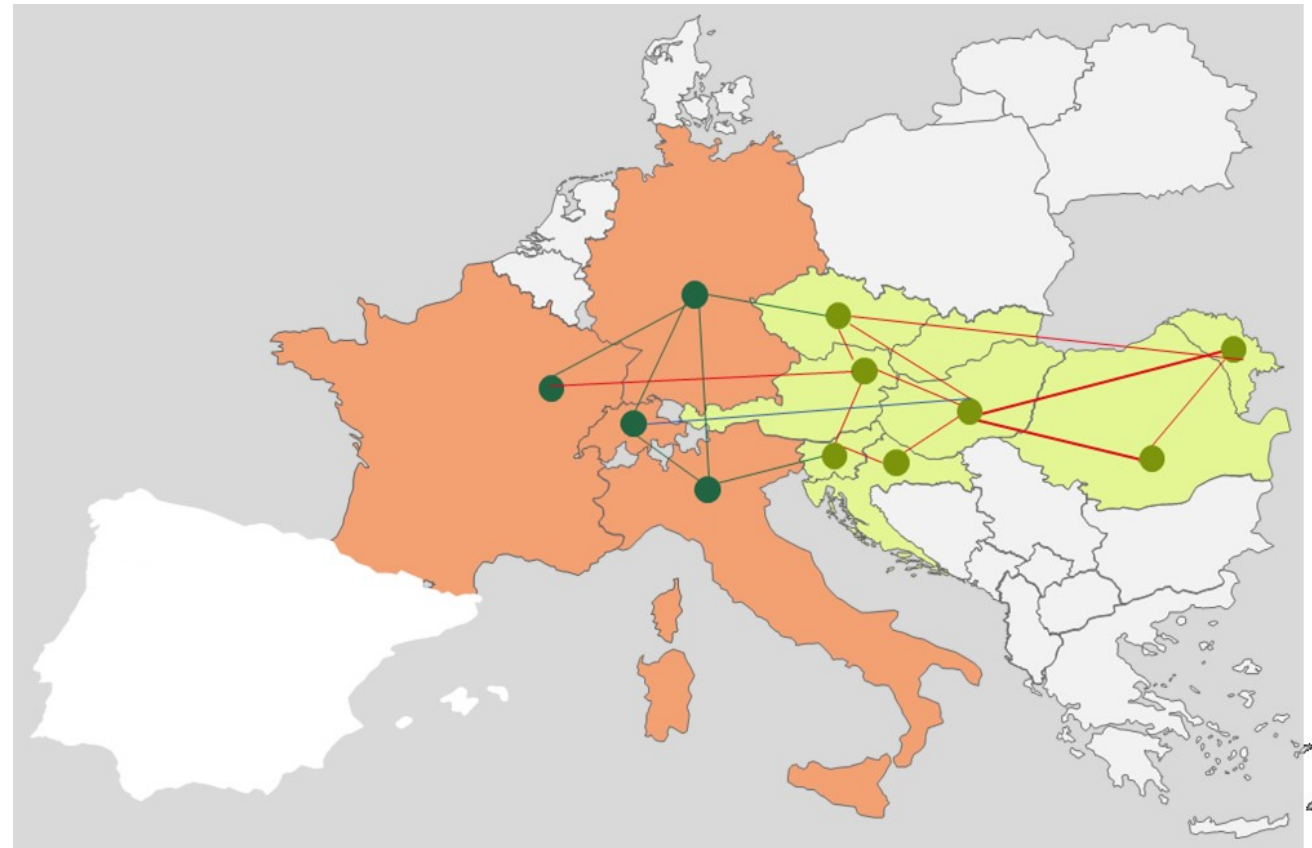
Outlook

Technical & organisational testing and optimisation of the implemented service

Finalisation of a **collaboration structure** for a durable LinkingAlps Service

Test Phase of the implemented LinkingAlps Service

Full Operation of LinkingAlps Service

Scaling-Up Scaling-Down of the Service

Expansion - Integration of more JPs & OJP Networks

**Expansion –** of Features & Modalities

Our Vision

Strong Networking & preparation for collaboration with European OJP Networks

Benefits of the LinkingAlps Approach

for the **TRAVELLER**

- **Simplified access** to sustainable, multimodal, seamless traveller information (across border and operators)

- Usage of **well-known JP App** of home service in the **language** of the traveller

- Information of the **highest quality and accuracy**

- Including **local transport/on-demand transport** (if available in the existing traveller information service)
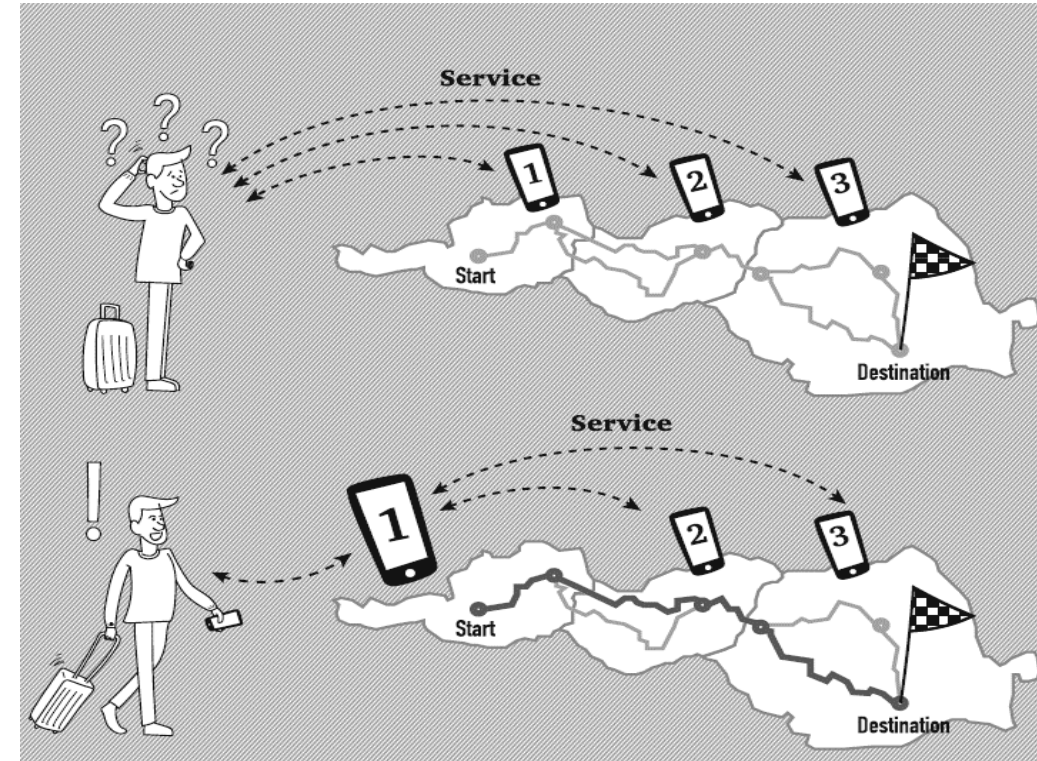
Benefits of the LinkingAlps Approach

for the **SERVICE PROVIDER**

- **Sovereignty over data**

- Extension of the **range of the own system** by the coverage of all affiliated systems

- Thus, improvement of the **functionalities and quality of information** provision for customers

- **Strengthening the market position** of the local/regional service provider
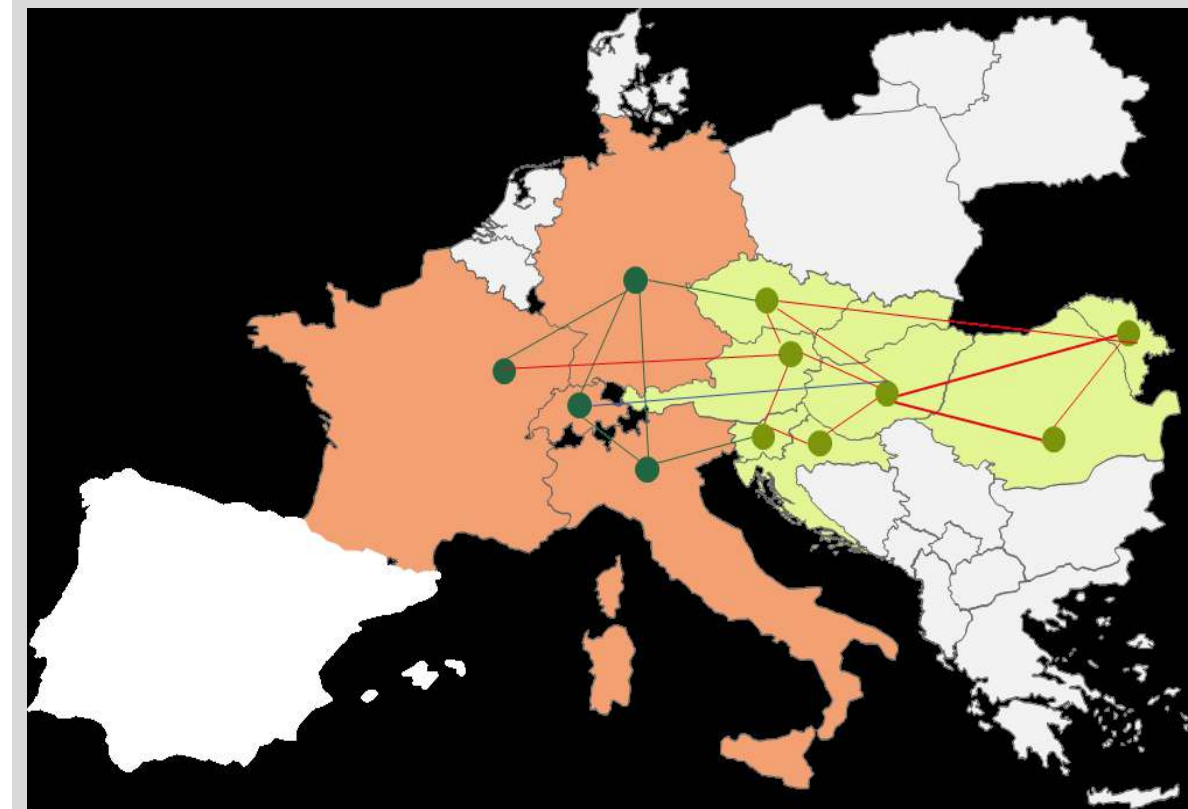
Benefits of the LinkingAlps Approach

for the **MOBILITY SYSTEM**

- **Supporting the sustainable mobility behavior** of travelers

- **Strengthening** of the market position of **small-scale / regional providers and regions** (vs. central, international platforms)

- Strengthening the **accessibility and connectivity of rural areas**

- Solution for **last / first mile issue**

Thank you for your attention!

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