

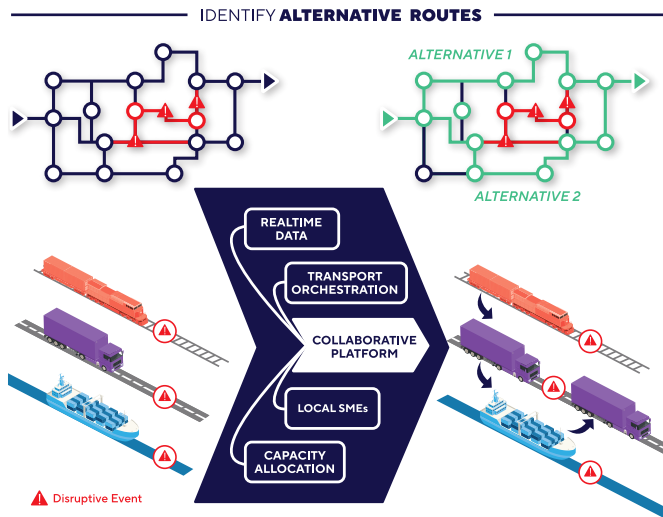
Aim of Project

ReMuNet enhances European freight transport by boosting resilience and sustainability during disruptions.

KEY FEATURES

- > Standardizing networks
- > Calculating routes
- > Managing disruptions via collaboration
- > Using AI for alternative route options.

We align with the Physical Internet's vision for robust European trade. Our approach employs digital tech and synchromodal planning for network resilience, involving ontology, disruptive events, alternative routes, and corridor-based pilots. We'll engage extensive stakeholder networks for maximum impact and dissemination.



INCREASED RESILIENCE BY



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PROJECT ID

Project name: ReMuNet "Resilient Multimodal freight Transport Network"

Grant Agreement n: 101104072

Programme: Horizon Europe

Type of action: HORIZON-RIA

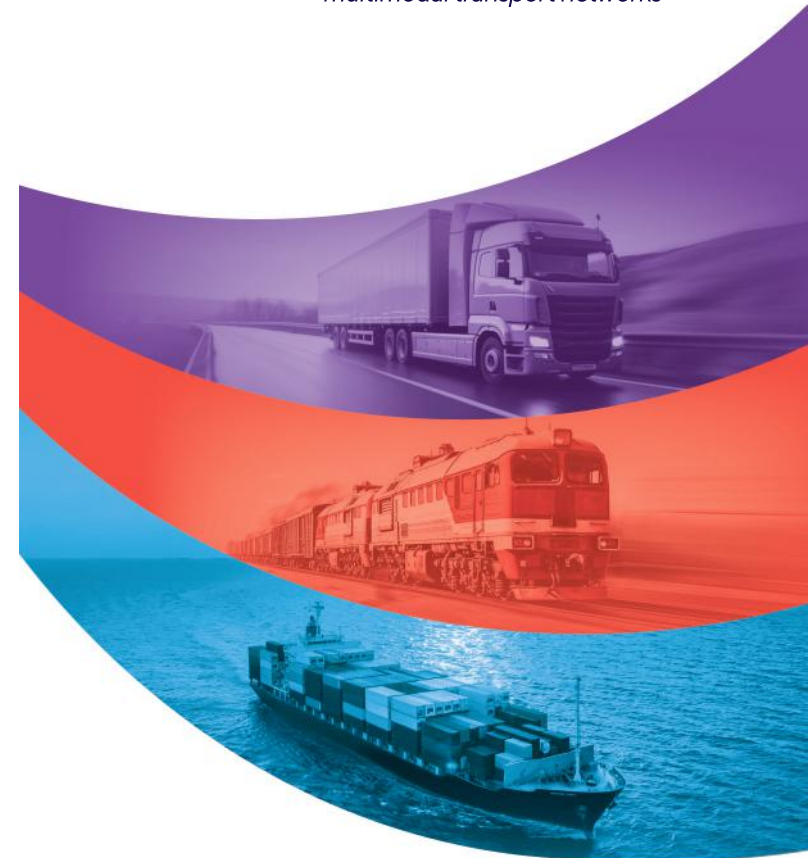
Start date: 1 July 2023

Duration: 36 months

EU contribution: 3,997,552.50€



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European Transport Network

WP1 Develop transport ontology & typology of disruptive events

Reference Model

WP2 Create reference model, routing algorithms, prediction modelling

Industrial Application

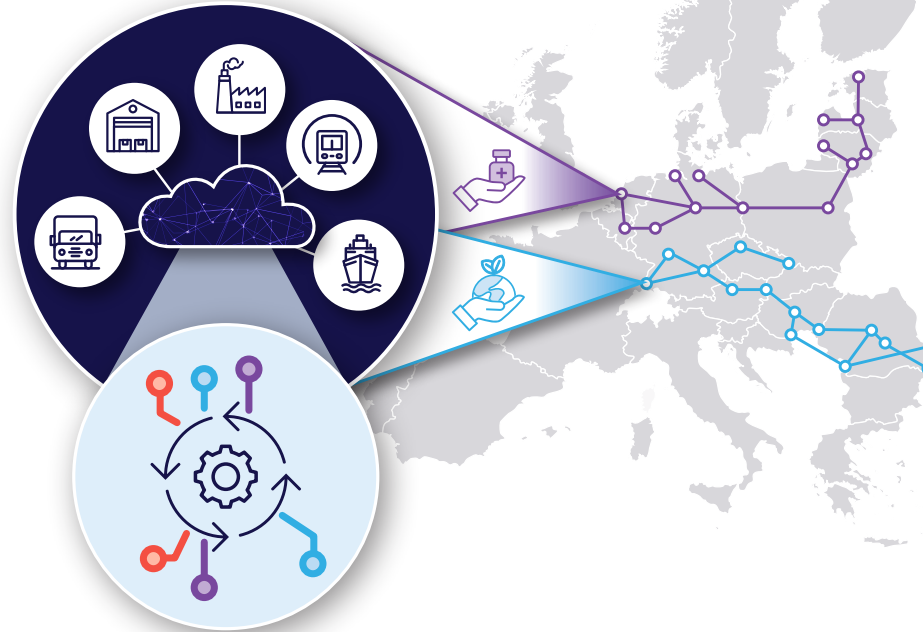
WP3 ReMuNet Collaborative Platform
WP4 Modelling self-learning transport corridors

Validation & Dissemination

WP5 Pilot 1 Social Use Case
Pilot 2: Ecological Use case
WP6 Dissemination & joint activities

ReMuNet Use Cases

Two pilot corridors have been selected, each with its specific emphasis: In addition to experimenting with the fundamental ReMuNet concept, the North Sea – Baltic pilot aims to assess resilient and sustainable routing for the provision of humanitarian supplies to Ukraine, whereas the Rhine – Danube pilot concentrates on an environmentally conscious multimodal strategy involving alternative propulsion methods.



PILOT 1: NORTH SEA-BALTIC

PILOT 2: RHINE-DANUBE

Start of Route Planning Disruptive Event Start of Synchronodal Relay-Transport

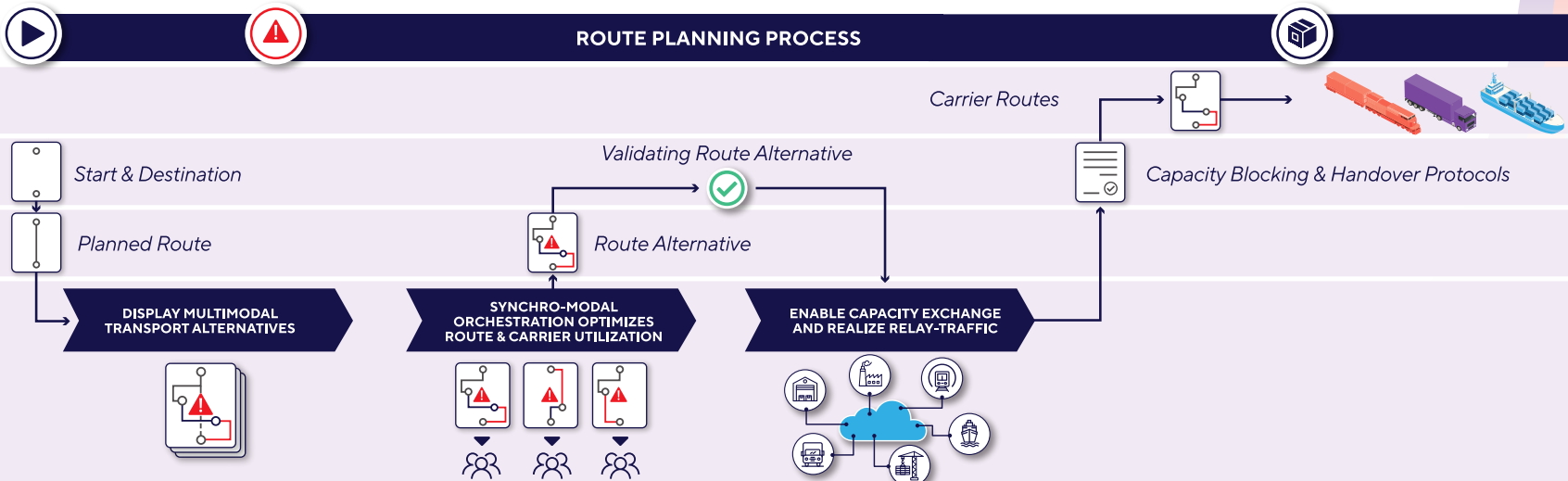
ROUTE PLANNING PROCESS

Carrier

Freight Forwarder

TMS-Provider

ReMuNet



Remunet thrives on collaboration of multiple logistics stakeholders