# ReMuNet

## Pioneering resilient and adaptive multimodal transport networks

**VISIT OUR WEBSITE**
www.remunet-project.eu

ReMuNet aims to pioneer the Physical Internet by promoting synchromodal relay transport across European rail, road, and inland waterways. This enhances network resilience, reduces emissions, and boosts corridor e-ciency during disruptive events.

## ReMuNet's 4 core functionalities

**STANDARDIZED METHODOLOGY**
ReMuNet describes multimodal transport networks collaboratively with stakeholders to ensure Europe-wide applicability.

**AI-MODEL**
ReMuNet utilizes AI to model and evaluate alternative actions, creating a self-learning European freight network for enhanced trade resilience.
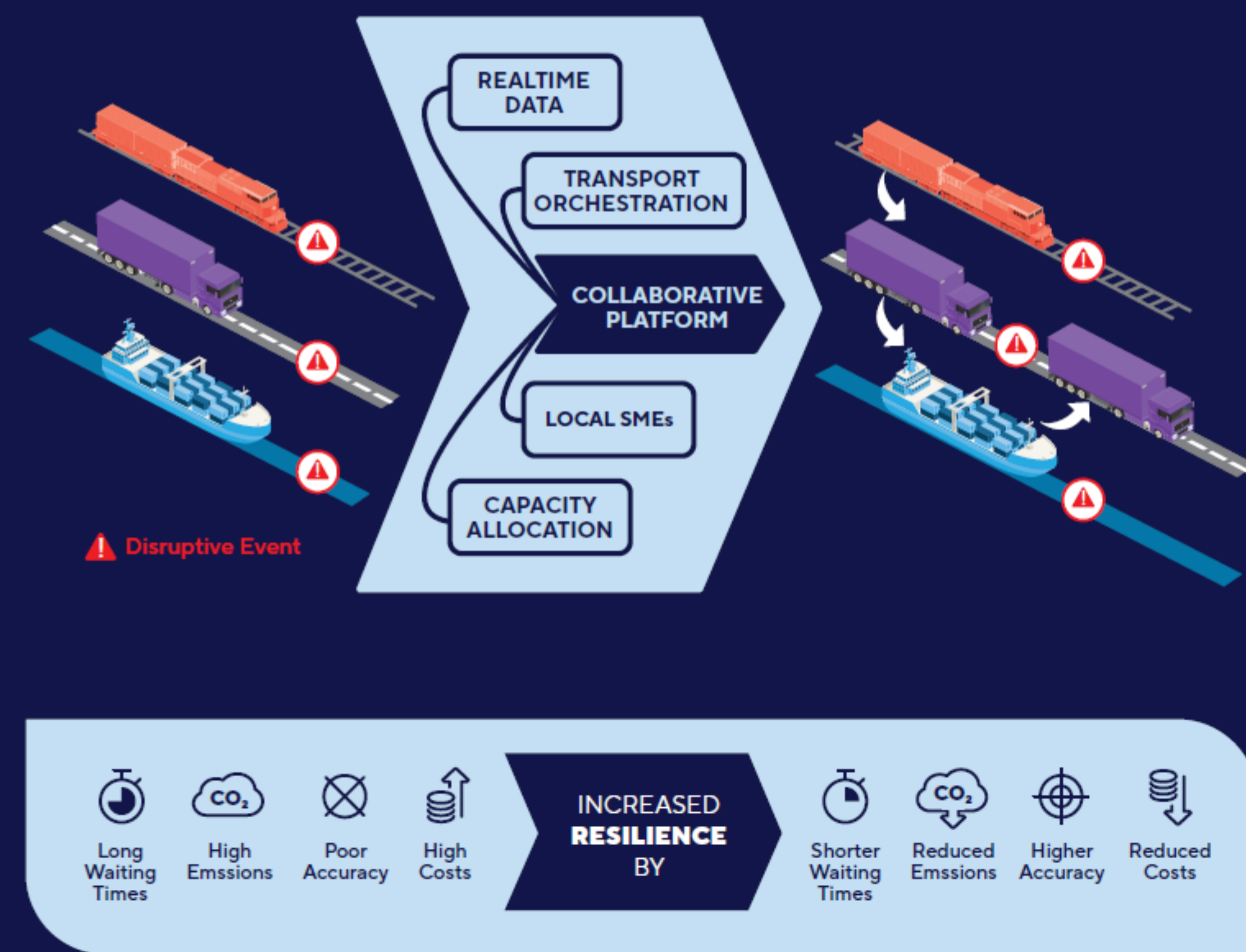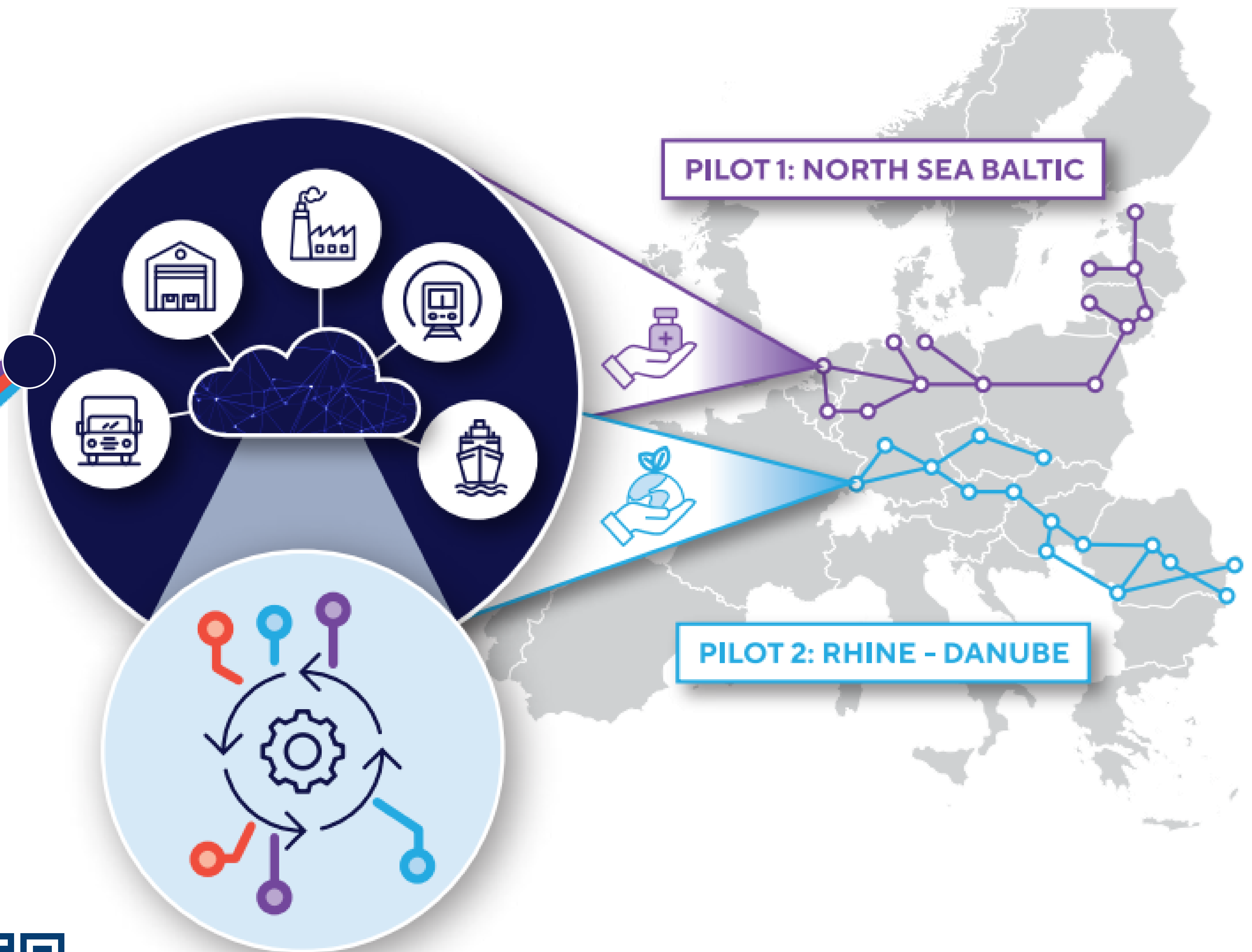
**ALGORITHM**
ReMuNet will develop an algorithm for calculating multimodal routes and capacity during disruptive events using real-time data for dynamic synchromodal alternatives.

**COLLABORATIVE PLATFORM**
ReMuNet creates a collaborative platform connecting logistics operators to manage disruptions with secure digital tools, enabling alternative route planning and event-based synchromodal relay transportation orchestration.



REALTIME DATA → TRANSPORT ORCHESTRATION → COLLABORATIVE PLATFORM → LOCAL SMEs → CAPACITY ALLOCATION

⚠ Disruptive Event

Long Waiting Times · High Emissions · Poor Accuracy · High Costs → **INCREASED RESILIENCE BY** → Shorter Waiting Times · Reduced Emissions · Higher Accuracy · Reduced Costs

*Remunet thrives on collaboration of multiple logistics stakeholders*

## ReMuNet Use Cases

P1: Social Use Case

P2: Ecological Use Case

Two pilot corridors have been selected, each with its specic 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

**PILOT 1: NORTH SEA BALTIC**

**PILOT 2: RHINE - DANUBE**

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