ReMuNet

Pioneering resilient and adaptive multimodal transport networks

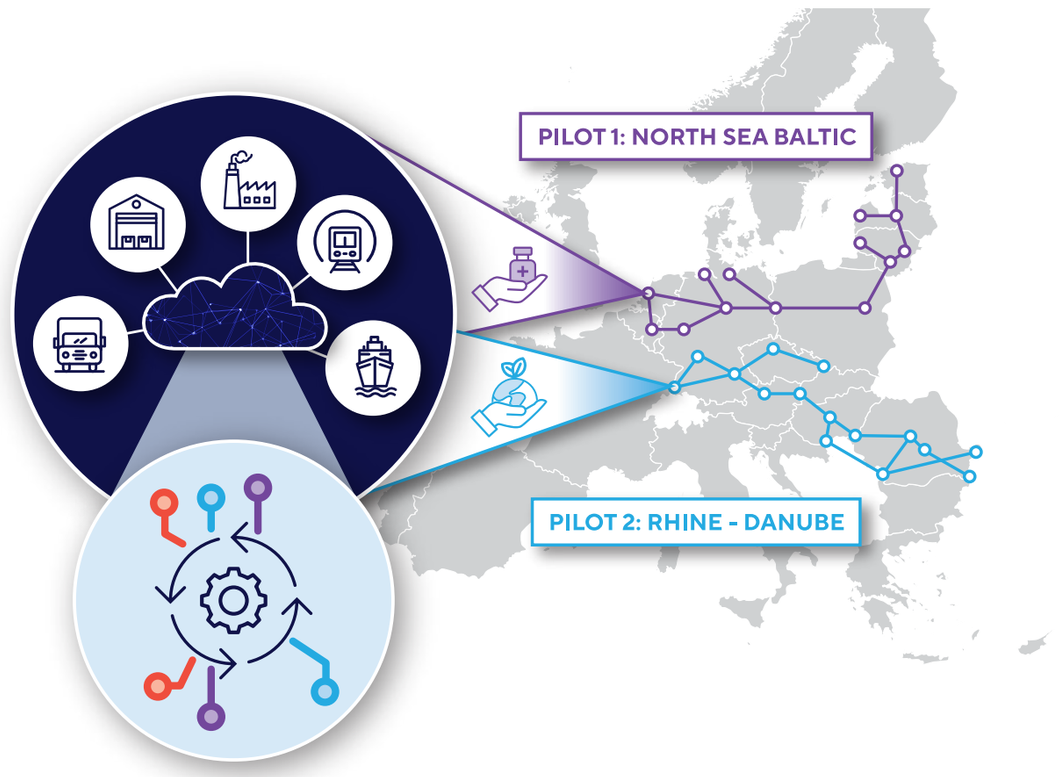
ReMuNet aims to pioneer the Physical Internet by promoting synchromodal relay transport across European rail, road, and inland waterways. This enhances network resilience, reduces emissions, and boosts corridor efficiency during disruptive events.

ReMuNet Use Cases

P1: Social Use Case

P2: Ecological Use Case

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.



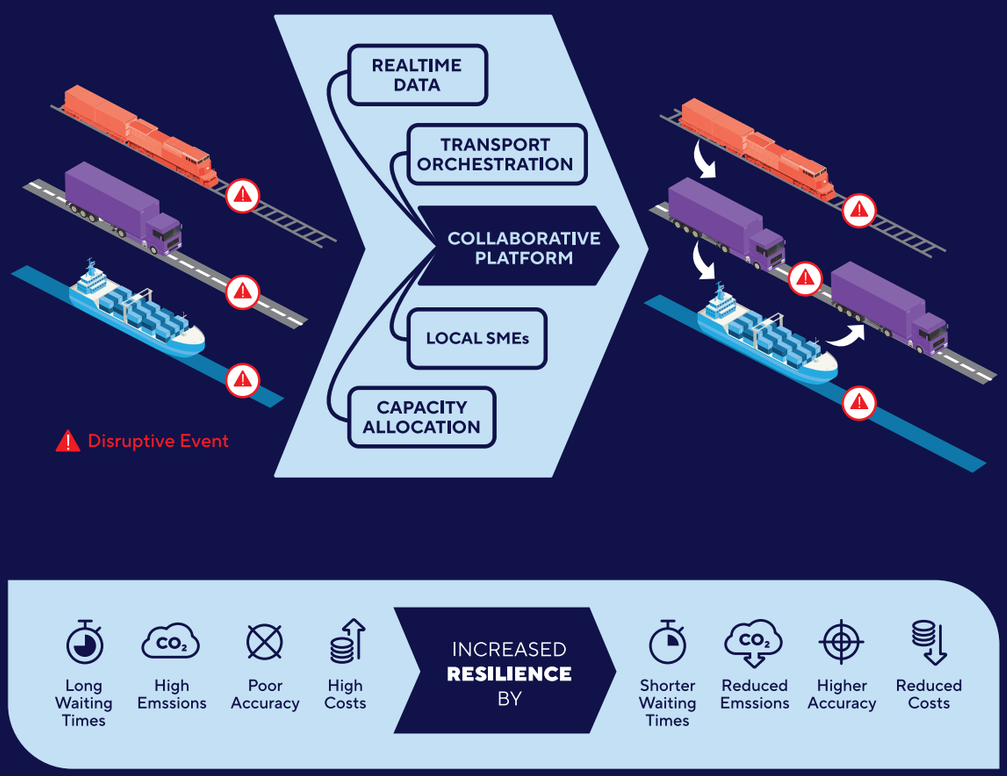
ReMuNet's 4 core functionalities

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

ALGORITHM
ReMuNet will develop an algorithm for calculating multimodal routes and capacity during disruptive events using real-time data for dynamic synchromodal alternatives.

AI-MODEL
ReMuNet utilizes AI to model and evaluate alternative actions, creating a self-learning European freight network for enhanced trade resilience.

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.



Remunet thrives on collaboration of multiple logistics stakeholders

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