# BOOSTLOG

## LOGISTICS NETWORKS CLOUD REPORT

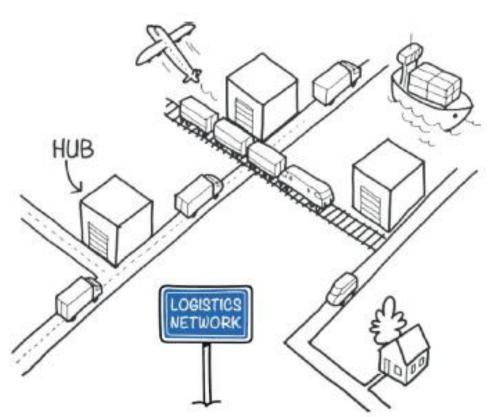


## **SCOPE**

Logistics Networks are indispensable in international freight trade as they act as physical infrastructure, operational transport chains and logistics service concepts, linking transport modes and trade flows and connecting long haul transport with regional/urban distribution. Moreover, Logistics Networks are of strategic relevance in the transition towards zero carbon supply chains and, consequently, to accelerate the green transition and the achievement of the objectives declared by the European Commission through the European Green Deal. Logistics Networks in the context of this report deal with multimodal freight transport on corridors or networks. They are basically composed of three layers:

## **PROJECTS INCLUDED IN THE CLOUD REPORT**





- **1. Network infrastructures** and their interfaces
- 2. Transport services

3. Supply chain / Logistics services Source: Alice, Physical Internet Roadmap

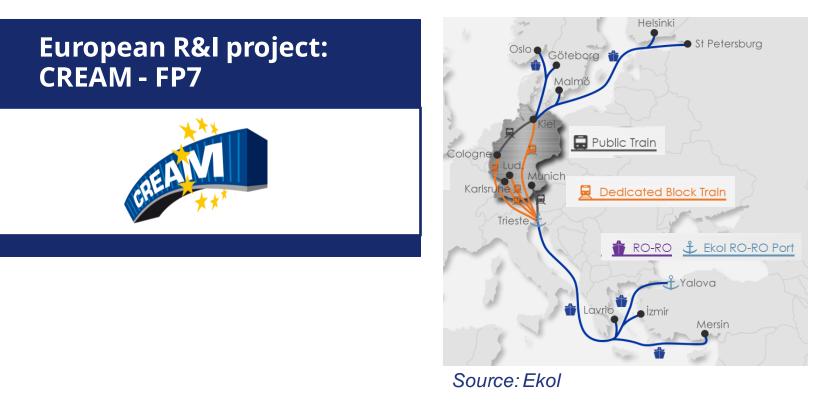
## **MAIN OUTCOMES**

There are **29** main outcomes with **5** implementation cases.



## **IMPLEMENTATION CASES**

#### Multimodal transport service & Train Monitor



**Multimodal transport service:** Turkish trucks travel up to 7.000 km in each round-trip on their journey to and from West European countries. Ekol Logistics – in collaboration with CREAM project partners Kombiverkehr, Lokomotion and Rail Traction Company (RTC) -, has developed an effective and environmentally friendly solution to this problem. A new intermodal transport system which reduced the share of land transport to only 2.000 km. Ekol has subsequently extended the scope and frequencies of the system; additionally the concept has been adapted by other companies (e.g. MARS Logistics).

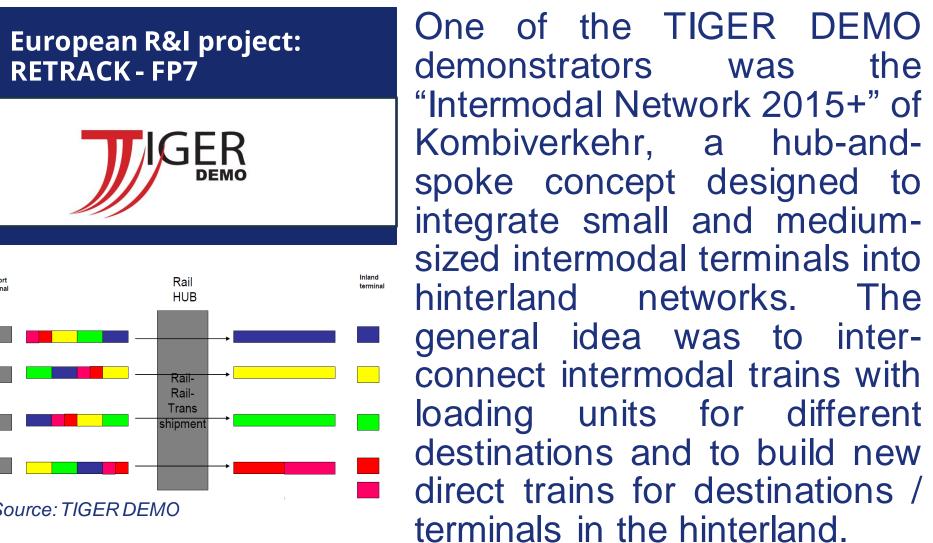
Train Monitor: In correspondence to LSP information requirements, CREAM analysed different technical train monitoring solutions based on GPS or simple tracking technologies and evaluated their applicability on the CREAM corridor. The results have been integrated in a comprehensive information management concept. Hacon in collaboration with Kombiverkehr developed the web-based IT system "Train Monitor" which closes existing information gaps.

#### Retrack network



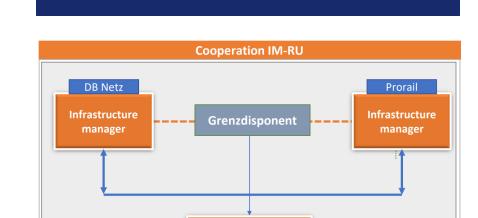
In 2007, multiple partners joined forces in the RETRACK project with the aim of simplifying single wagonload transport and offering customers a new European crossborder service with a reliable running schedule. RETRACK develop intended to а sustainable alternative concept to the national railways' single wagon system.

#### Intermodal Network 2015+



#### **Cross-border dispatcher**

European R&I project: RETRACK - FP7

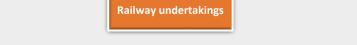


**SMART≫**RAIL

One solution, analysed and implemented in the context of SMART-RAIL is a cross-border dispatcher a joint function of the respective infrastructure managers Prorail (NL) and DB Netz (DE).The idea of the crossborder dispatcher is to connect the respective IM operation centres in the best way, optimise the coordination of dispatching decisions with respect to the concerned cross-border sections and bundle the information flows between RUs and IMs.







Source: SMARTRAIL

## **IMPLEMENTATION PATHS**

 The Logistics Networks cloud report has identified 7 intervention areas potentially generating in environmental, capacity/costs, transport performance / connectivity impacts Impacts highlighted by BOOSTLOG can only be generated through implementations of outcomes beyond the project.

Supporting factors for successful projects and implementations in 4 areas:

- Composition of the consortium
- Topic/subject of the project
- Process of tendering/application/funding
- Project execution and implementation of outcomes





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