

A consortium of 8 non-academic organizations aims to develop an Augmented Digital Freight Forwarder Platform under HORIZON-CL5-2022-D6-02-07: New concepts and approaches for resilient freight transport and logistics networks against disruptive events

Summary

Profile type	Company's country	POD reference
Research & Development Request	France	RDRFR20220629006
Profile status	Type of partnership	Targeted countries
PUBLISHED	Research and development cooperation agreement	• World
Contact Person	Term of validity	Last update
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General Information

Short summary

A consortium of 8 non-academic organizations (UK, Austria, Italy, France, Germany, Portugal, The Netherlands) aims to develop an Augmented Digital Freight Forwarder Platform for supporting the decision-making of the international transportation and logistics companies with a multi-modal network.

Full description

A consortium of 8 non-academic organizations (UK, Austria, Italy, France, Germany, Portugal, The Netherlands) aims to develop an Augmented Digital Freight Forwarder Platform for supporting the decision-making of the international transportation and logistics companies with a multi-modal network.

Due to the climate change, safety, disruptive incidents, and energy and fuel cost challenges, the proposed platform will have the following benefits for international transportation and logistics companies:

- Cost-effective through providing optimum solutions like multimodal routs, splitting and merging the cargo;
- Green solution by cutting the energy and fuel consumption and cost;
- Resilience solution that ensures the continuity of operations after happening disruption;
- Autonomous disruption detector that enables the company to recognise the disruption quickly and automatically;
- Safe transit that decreases the risk cost of the company by safe routing;

- IoT enabler that helps the company to track and trace the users, cargo, and equipment in real-time.

Expected outcomes:

- An adaptive multimodal European freight transport and logistics network.
- Resilient freight transport and logistics networks: better operational interconnectivity, services provided based on real-time information, pre-defined alternative routes and synchro-modal approaches, robust data management, secure and resilient digital logistic and network management tools.
- New cost-efficient business models and services towards resilient and 0-emission logistics supported by appropriate regulatory frameworks and participatory planning processes.

Advantages and innovations

Stage of development

Sustainable Development goals

- **Goal 9: Industry, Innovation and Infrastructure**

IPR Status

No IPR applied

Partner Sought

Expected role of the partner

Types of the companies that could join the consortium as industrial partners:

- Intermodal (multi-modal) logistics companies (work as the third party and provide transportation services by connecting the freight owner with transportation companies, e.g. truck companies, ship liners).
- International transportation companies with global and multimodal transportation operations.
- Transportation infrastructure authorities, companies, or operators: like road, rail, port, marine.
- Companies with a global supply chain need to manage the flow of the supplies and goods with-in their global supply chain. The company should manage a part of logistic operations internally.

Type of partnership

Research and development cooperation agreement

Type and size of the partner

- **Other**
- **Big company**
- **SME <=10**
- **SME 11-49**
- **SME 50 - 249**

Dissemination

Technology keywords

Market keywords

- **08006001 - Process control and logistics**
- **02007028 - Other software related**
- **06011 - Energy for Transport**

Targeted countries

Sector groups involved

- **World**