

Partner search or offer

Date (14-06-2022)

(*) Relevant topic in work programme

HORIZON-CL5-2022-D6-02-07: New concepts and approaches for resilient freight transport and logistics networks against disruptive events (including pandemics). [Link](#)

(RIA - Research and Innovation Action / Deadline for submission: 6 September 2022)

Quick description of the project concept (up to 10 lines)

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 routes, 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.

(*) Description of the expertise requested (up to 10 lines)

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 within their global supply chain. The company should manage a part of logistic operations internally.

Organisation information

Organisation name and country:

LIRIS (Laboratory of Image Informatics and Information Systems)

INSA Lyon (National Institute of Applied Sciences)

FRANCE

Type of organisation:

Enterprise SME Academic Research institute Public Body Other:

Former participation to FP European projects?

Yes No

Web address: <https://liris.cnrs.fr/en>

Description of the organisation:

The Laboratory of Image Informatics and Information Systems (LIRIS) addresses a broad spectrum of computer science within its 12 research teams structured in 6 poles of expertise (Data, System and Security ; Computer Graphics and Geometry ; Images, Vision and Learning ; Interactions and Cognition ; Algorithms and Combinatorics ; Simulation and Life Sciences):

The research conducted addresses the challenges of the digital world, including those posed by artificial intelligence (AI), big data analytics, computer vision, cyber security, digital transformation and human learning.

INSA Lyon is an engineering school dedicated to applied sciences, which makes it a large and unique research center which joins education activities, 23 research laboratories and industrial partners (630 research and teaching staff, 11 teaching departments, more than 6000 students). Participant in the European framework programmes for research and innovation since FP5.

(*) Contact details

Name of contact person and title	Dr. Armand BABOLI Associate Professor- Habilitation Head of Executive Master in Industrial Engineering Industrial Engineering Department, LIRIS laboratory, National Institute of Applied Sciences (INSA) of Lyon
Telephone	+33 4 72 43 62 01
E-mail	armand.baboli@insa-lyon.fr

(*) Do you entitle the French Transport NCP to publicly share the above mentioned information including your contact details?

Yes No

Would you wish your expression of interest to be shared with other NCPs across EU member states and associated countries?

Yes No

If yes, any preferred countries / countries excluded?

(*) –Mandatory