

## WRAP-UP and NEXT STEPS

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# **KEY TAKEAWAYS**

**o** Digital Twins as Strategic Enablers



Digital Twins strategic tools enabling resilience, sustainability, efficiency, and competitiveness across transport and logistics sectors. Significant opportunities for organizations to future-proof operations.

### • Resilience through Predictive Insights

DTs crucial role in building resilience, particularly against disruptions like extreme weather or infrastructure failures.

#### Enhanced Multimodal Collaboration

Digital Twins significantly improve multimodal transport by facilitating seamless integration and coordination among different transport modes (waterways, rail, road).

#### Data as a Core Asset

High-quality, real-time, interoperable data is fundamental to successfully leveraging DT applications.

#### Driving Sustainability and Environmental Performance

DTs also serve as critical tools in achieving sustainability targets by monitoring environmental impacts, optimizing energy use, and reducing emissions.

#### • CRISTAL and MultiRELOAD are developing practical tools and pilots

Cristal's Smart Buoys, Fiber Optic Sensors and Inspection Radars feed data into DTs. MultiRELOAD focuses on environmental monitoring and multimodal node DTs for ports



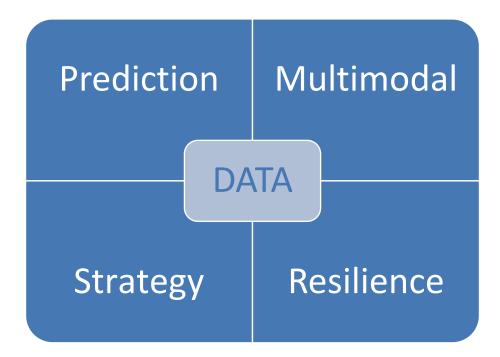
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### www.cristal-project.eu

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Deadline 30 June 2025

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# ALICE UPCOMING EVENTS



Alliance for Logistics Innovation through Collaboration in Europe

ALICE TG1 webinar "Real-World Energy Efficiency and Emissions of Electric Freight Vehicles"

Date: Monday, 5 May 2025
Time: 15:00 – 16:30 CET
Format: Online

ALICE at Transport Logistics fair

Date: 2-5 June 2025
Munich (DE)
Hall A3, Stand 400

### **ALICE Logistics Innovation AWARD**

**Deadline:** 30<sup>th</sup> June 2025

ALICE Logistics Innovation Summit 2025

Date: 23-24 October 2025
Tangla hotel, Brussels





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## THANK YOU FOR YOUR ATTENTION

## Giuseppe Luppino – TG2&3 Programme Manager Elvina Nowak – Project manager Tomasz *Dowgielewicz Cristal and MultiRELOAD projects partners*



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