



# MultiRELOAD

PORT SOLUTIONS FOR SUSTAINABLE MOBILITY



## Newsletter

### MultiRELOAD Newsletter 2024 NOVEMBER

In recent months, the MultiRELOAD project has made remarkable progress. Highlights include the Danube Ports Days 2024, which focused on sustainable multimodality; the launch of a Digital Twin to transform port management; and a productive consortium meeting in Basel. Additionally, the project introduced a demonstrator for small and midsize clients, published a scientific article on reducing GHG emissions, and participated in major industry events like IPIC 2024 and the AWARD Final Conference. MultiRELOAD also showcased the CBoXX, a significant advancement in rail transport.



#### Danube Ports Days 2024: Navigating Towards Sustainable Multimodality

Organised on 29 and 30 October by [Pro Danube](#) and hosted by the [Danube Commission](#), **Danube Ports Days 2024**, supported by the EU-funded projects MultiRELOAD, [Green Inland Ports Study](#) and [SYNERGETICS](#), and the [Danube Ports Network](#) successfully concluded.

The event brought together policymakers, industry leaders, and experts to discuss and evaluate innovative solutions aimed at achieving climate neutrality within inland ports in particular and inland waterway transport (IWT) in general. The event focused on critical themes including the modal shift to eco-friendly transportation, emission insights, and green energy solutions. It showcased cutting-edge digitalisation tools



and strategies that are transforming port operations across Europe.

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### MultiRELOAD's Multimodal Node Digital Twin: Revolutionising Port Management



Welcome to the future of port management with **MultiRELOAD's Multimodal Node Digital Twin**, developed by [Prodevelop](#).

#### **Main goal?**

Change how ports operate by building a state-of-the-art digital twin platform operating as the central hub in the integration of all data coming from different sources and services within the port ecosystem.

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### MultiRELOAD Consortium Meeting in Basel: Progress and Future Challenges



Hosted in Basel by our project partner, [Port of Switzerland](#), at the premises of the [Hafenmuseum Basel](#), the MultiRELOAD Consortium came together for a productive meeting to review the current progress of the project, evaluate the milestones achieved, and address the challenges that lie ahead.

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### MultiRELOAD Demonstrator: A Game-Changer for Small and Midsize Customers



Inland waterways are an essential component of the future of freight transport and a key strategic mobility goal for the EU. Despite this, the potential of inland waterways like the Danube or the Rhine remains largely untapped, hindered by a series of limitations. Through a pilot project conducted within MultiRELOAD, a European consortium consisting of 22 partners led by [Duisport](#), Europe's largest inland terminal, [TTS Austria](#) is proving that innovation in inland waterway freight transport can address a whole new market, making it accessible to more types of goods and a broader range of customers.

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### MultiRELOAD: Scientific Article on Critical Aspects of Reducing Greenhouse Gas (GHG) Emissions in the Inland Navigation Sector to Meet Climate Goals

The article titled "**Measurement Techniques, Calculation Methods, and Reduction Measures for Greenhouse Gas Emissions in Inland Navigation—A Preliminary Study**" by



Laura Hörandner, Bianca Duldner-Borca, Denise Beil, and Lisa-Maria Putz-Egger from the [University of Applied Sciences Upper Austria - FHOÖ](#) delves into critical aspects of reducing greenhouse gas (GHG) emissions in the inland navigation sector to meet climate goals.

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### MultiRELOAD at IPIC 2024



The [International Physical Internet Conference \(IPIC\) 2024](#), held from 29 to 31 May at the DeSoto Hotel in Savannah, GA, USA, served as a vibrant platform for discussing the future of logistics and intermodal freight systems. Among the numerous innovative initiatives and projects showcased during the event, was the MultiRELOAD project represented by Fernando Liesa, Secretary General of ALICE.

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### MultiRELOAD at the AWARD Final Conference



MultiRELOAD proudly participated at the [AWARD](#) Final Conference organised on 13 June in Brussels. This significant event brought together professionals, researchers, and policymakers in the automation and logistics sector, and we were honoured to be part of it.

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### MultiRELOAD's Demonstrator CBoXX: Revolutionising Rail Cargo Transportation



At the heart of MultiRELOAD is the concept of multimodality, which involves combining different modes of transportation – rail, road and waterborne. By fostering multimodality, rail terminals and inland ports, as key elements of transnational logistics chains, enhance the resilience and sustainability of the European transport system.

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### MultiRELOAD Concludes an Eventful Week



The MultiRELOAD project concludes an eventful week, marking significant milestones and fostering fruitful discussions. Hosted by our lead partner, [duisport - Duisburger Hafen AG](#), the consortium meeting kicked off the week on a high note. This gathering set the stage for a deep dive into the outcomes of our project review meeting and an assessment of the implementation status of our demonstrators.

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**Legal disclaimer:**

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