



SAFE, EFFICIENT AND AUTONOMOUS:
MULTIMODAL LIBRARY OF EUROPEAN SHORTSEA
AND INLAND SOLUTIONS

Updates on events attended and organized

SEAMLESS on the Move: Highlights from European Mobility and Innovation Events

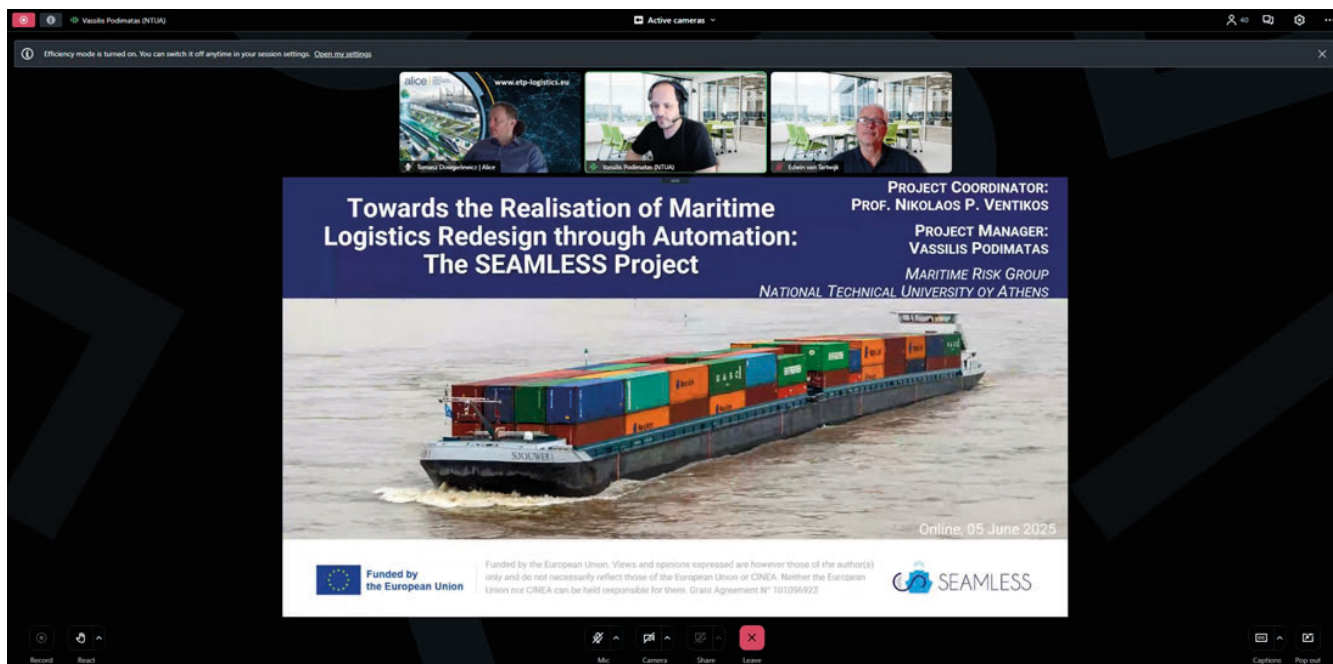
The SEAMLESS project has been actively engaging with the European transport and logistics community, sharing its innovative vision for autonomous, digital, and sustainable inland and short sea shipping across major events. Here's a roundup of our recent outreach and dissemination activities.

Webinar Launch: Setting the Course for Digital Inland Waterway Transport

On 5 June 2025, SEAMLESS kicked off its dedicated webinar series with an insightful session on the future of autonomous and digital inland waterway transport (IWT). Hosted by NTUA, the webinar introduced the project's structure, goals, and technological innovations. It showcased SEAMLESS's two Demonstration Use Cases:

- DUC1 (SINTEF Ocean): Port and terminal automation in Northern Europe.
- DUC2 (ZULU Associates): Modular vessel operations and real-time inland logistics in Central Europe.

The session marked the beginning of an exciting knowledge-sharing journey focused on enabling smarter, cleaner logistics in Europe.



ITS Congress 2025: Promoting Autonomous Freight Solutions

At the ITS Congress in Seville (19–21 May 2025), SEAMLESS took center stage at the PNO Innovation booth. Representatives Anastasiya Azarko and Michela Apruzzese (PNO Innovation) presented the project alongside sister initiatives DYNAPORT and Gravity in a joint session on the future of sustainable freight transport. Vassilis Podimatas emphasized SEAMLESS's role in fostering intermodal, autonomous, and efficient logistics networks.



Showcasing SEAMLESS at Transport Logistic 2025, Munich

SEAMLESS made a strong impression at Transport Logistic 2025 (Munich), where we demonstrated our solutions across two key venues: At Hall B4 (Bremen stand, ISL), we presented our two Demonstration Cases and seven Transferability Use Cases. At Hall A3 (ALICE stand), we highlighted innovations like ZULU Associates's XBarge and Fundación Valenciaport's ModalNET. With over 100 daily business visitors, the event underlined growing interest in autonomous logistics.



Smart Shipping Conference, Antwerp



Vassilis Podimatas, SEAMLESS Project Manager, presented at the Smart Shipping Conference in Antwerp, organized by De Vlaamse Waterweg. The conference promoted the value of automation and digitalisation in building a safe, sustainable, and zero-emission maritime future.

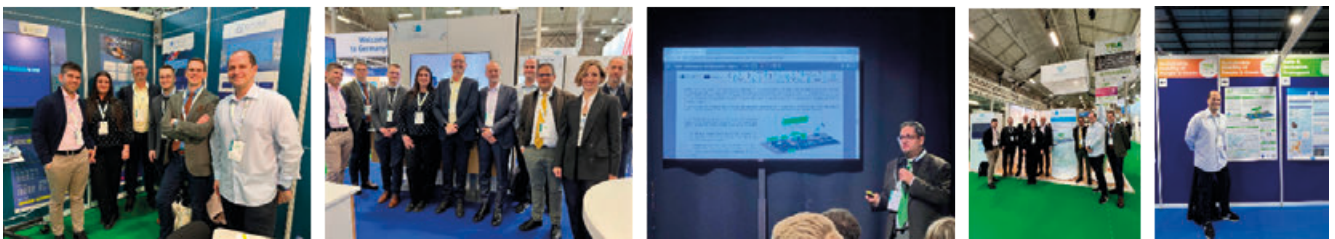


SEAMLESS at the Transport Research Arena (TRA) 2024, Dublin

From 15–18 April 2024, SEAMLESS joined the Transport Research Arena in Dublin—Europe’s flagship transport research event. The project was featured at multiple locations:

- PNO Innovation booth
- ALICE booth
- WATERBORNE TECHNOLOGY PLATFORM

Poster presentation by NTUA: “The SEAMLESS Approach to Enabling Fully Automated Waterborne Freight Feeder Loop Services”. Themed session on April 17: “Decarbonizing freight transport and logistics by increasing the use of waterways”



Panel Participation at ICMASS: Charting the Future Together

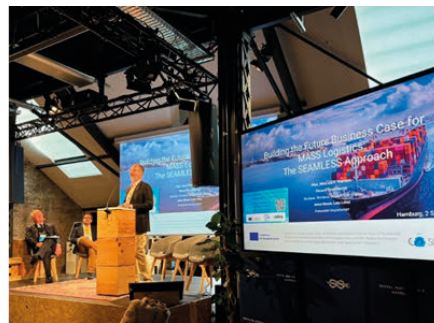


SEAMLESS participated in a high-impact panel during ICMASS, joining sister projects AUTOFLEX, ReNEW, and FOREMAST. Representing SEAMLESS was Morten Ingebretsen from Kongsberg Maritime. Discussions covered autonomous tech, logistics automation, and the importance of early-stage innovation, visibility, and funding. Moderated by Odd Erik Mørkrid (SINTEF Ocean), the panel emphasized aligning tech development with real-world maritime logistics needs.



5th International Ship Autonomy and Sustainability Summit, Germany

NTUA's Prof. Ventikos and Jorge Lara Lopez (Valenciaport) presented SEAMLESS at the 5th International Summit on Ship Autonomy and Sustainability. The event, held in Germany and organized by NFAS with the European Commission, explored Maritime Autonomous Surface Ships (MASS) and disruptive business models in shipping. Special thanks to moderators Jakob Terling and Ørnulf Rødseth for facilitating valuable discussions.



Connecting Europe Days 2024 & SITL: Driving Green Mobility

SEAMLESS was also showcased at Connecting Europe Days 2024 and Salon International du Transport et de la Logistique (SITL). These platforms enabled fruitful exchanges around building a resilient, sustainable transport system across France and the EU.

SEAMLESS at ALICE's 10th Anniversary Summit



Celebrating innovation, SEAMLESS joined ALICE's Logistics Innovation Summit in Brussels. The event celebrated a decade of progress in green and digital logistics, with strong collaboration among stakeholders including ALICE, ETP LOGISTICS, and PNO Innovation.

Throwback: ITS Congress 2023 in Lisbon

SEAMLESS was showcased at the ERTICO ITS Congress 2023 in Lisbon, the largest smart mobility event in Europe. On May 23rd, Alexandros Rammos (NTUA) presented “SEAMLESS: Small vessel transport from port to city centre and small rural destinations” in the session “Improved and Innovative Cargo Logistics with Small Autonomous Ships.” The session also featured fellow projects AEGIS, AUTOSHIP, and MOSES.



Stay tuned for more updates from SEAMLESS as we continue advancing the future of autonomous, digital, and sustainable waterborne freight transport in Europe.

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