



WEBINAR

MOVING FREIGHT BY WATER: SUSTAINABLE INFRASTRUCTURE AND INNOVATIVE VESSELS – STANDARDIZED CARGO UNITS

Towards more automation and autonomy in inland navigation and short-sea logistics; use this opportunity to take part in a 2-hour digital webinar to broaden your knowledge on how ALICE and some important European and EU funded initiatives contribute to meet the overall goals of the Transport White paper. In this webinar we will discuss the challenges and possibilities in more standardized cargo units.

Date and time: Monday, November 8th 10:00 to 12:00 CET

[Register here](#)

("First come, first served"; there might be some limitations in number of participants due to limitations in the digital platform being used.)

In line with the Transport White Paper, 30% of road freight over 300 km should shift to rail or waterborne transport by 2030, and more than 50 % by 2050. Smaller ships with more automation and autonomy in waterborne transport is a promising solution for improving the competitive edge of waterborne logistics as compared to road transport. Increased cargo unit standardisation may be a key element in enabling more efficient and more cost-effective autonomous cargo operations. This webinar will highlight some possibilities and challenges in cargo unit standardization.

There is a series of European initiatives and EU funded research and innovation projects contributing to the overall policy as stated in the Commission's Transport White Paper. Close contact with potential stakeholders is an important part in all these activities for being able to operationalise innovations.

The questions to be investigated in this webinar are:

1. What types (LoLo/RoRo/other, eg pallets) of loading units are more attractive?
2. What about size, any limitations due to autonomy, green policies or intermodality?
3. Is cargo unit standardization key for a more efficient cargo handling operational system?
4. What are the challenges and what are the solutions that the projects propose?

As an introduction to a panel discussion, a short presentation of some European initiatives will be given. A tentative agenda for the webinar is:

Time	Title	Presenter
00:00	Welcome and introduction; the overall purpose of the workshop.	Ørnulf J. Rødseth/SINTEF Ocean (AEGIS)
00:05	ALICE: A broader perspective, new constraints because of autonomy and green initiatives	Fernando Liesa/ALICE
00:15	The AEGIS project: Discussion on standardisation needs	Harilaos Psaraftis/DTU
00:30	The MOSES project: What are the possibilities within freight transport, how can autonomy attract cargo to waterborne transport?	Nikos Ventikos/MOSES
00:45	The CLUSTERS 2.0 project: Presentation of the New Modular Loading Units	Ton Bertens/VanEck
01:00	Panel discussion	Moderated by Ørnulf J. Rødseth
01:45	Summing up and way ahead	Ørnulf J. Rødseth

About the initiatives

Project	Objective
 <p>MOSES: AutoMated Vessels and Supply Chain Optimisation for Sustainable Short SEa Shipping</p> <p>Coordinator: National Technological University of Athens (NTUA), Greece</p> <p><i>European Union's Horizon 2020 research and innovation program under Grant agreement N° 861678.</i></p>	<p>MOSES aims to significantly enhance the SSS component of the European container supply chain by addressing the vulnerabilities and strains that relate to the operation of large containerships. MOSES will follow a two-fold strategy, which consists of reducing the total time to berth for TEN-T Hub Ports and stimulating the use of SSS feeder services to small ports (hub and spoke traffic) that have limited or no infrastructure.</p> <p>https://moses-h2020.eu/</p>
 <p>AEGIS: Advanced, efficient and green intermodal systems</p> <p>Coordinator: SINTEF Ocean, Trondheim</p> <p><i>European Union's Horizon 2020 research and innovation program under Grant Agreement N° 859992.</i></p>	<p>AEGIS will integrate new innovations from the area of Connected and Automated Transport (CAT) to design the next generation sustainable and highly competitive waterborne transport system in Europe, including more diverse sizes of ships and more flexible ship systems, automated cargo handling, ports and short sea shuttles, standardized cargo units and new digital technologies.</p> <p>http://aegis.autonomous-ship.org/</p>
 <p>Clusters 2.0: Open network of hyper connected logistics clusters towards Physical Internet</p> <p>Coordinator: PTV Planung Transport Verkehr AG.</p> <p><i>European Union's Horizon 2020 research and innovation program under Grant Agreement N° 723265.</i></p>	<p>Clusters 2.0 will increase the engagement, performance and coordination of terminals and hubs at cluster level targeting: i) increase by 50% the freight managed in the cluster whit current infrastructure, ii) Double the value added activities and iii) increase economic impact in local economies by 5% yearly while keeping neutral local environmental impacts.</p> <p>http://www.clusters20.eu/</p>
 <p>ALICE: Alliance for Logistics Innovation through Collaboration in Europe</p>	<p>The European Technology Platform ALICE is set-up to develop a comprehensive strategy for research, innovation and market deployment of logistics and supply chain management innovation in Europe. The platform will support and assist the implementation of the EU Programs for research: Horizon 2020 and Horizon Europe. ALICE is based on the recognition of the need for an overarching view on logistics and supply chain planning and control, in which shippers and logistics service providers closely collaborate to reach efficient logistics and supply chain operations.</p> <p>https://www.etp-logistics.eu/</p>