Rules for the webinar

## Sustainability and GHG Performance at Logistics hubs

Alliance for Logistics Innovation through Collaboration in Europe

alice



German, Italian & Latin American consortium for resource efficient logistics hubs & transport

Waiting for other participants to join... 🕲

- The **session will be recorded** in case you or other ALICE members wish to have a look afterwards. A link to the recorded webinar and pdf presentations will be shared with participants through e-mail.
- Please, keep your microphone muted when the meeting starts and your cameras off if you are not speaking. You can introduce yourself when entering the meeting so you do a test (i.e. everybody can hear you) <sup>(C)</sup>
- Please, **share your questions to the speakers in the GoTo chat.** You are also welcome to share thoughts, suggestions or relevant information on the subject

# You may ask any question on these rules before the start!

# Sustainability and GHG Performance at Logistics hubs October 12, 15.30 to 17.00 (CET)

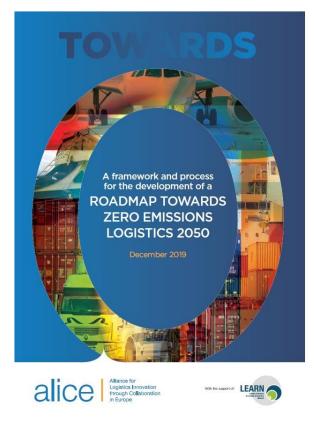


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#### ALICE Roadmap Towards Zero Emissions Logistics

#### Alliance for Logistics Innovation through Collaboration in Europe



Link to the document

FREIGHT DEMAND GROWTH IS MANAGED	TRANSPORT MODES ARE SMARTLY USED AND COMBINED	FLEETS AND ASSETS ARE SHARED AND USED TO THE MAX	FLEETS AND ASSETS ARE ENERGY EFFICIENT	FLEETS AND ASS USE LOWEST EMISSIONS ENER SOURCE FEASIB
			受冒公志	R©
<ul> <li>Supply chain restructuring</li> <li>Localization and nearshoring</li> <li>Decentralization of production and stockholding</li> <li>3D printing</li> <li>Dematerialization</li> <li>Consumer behavior</li> </ul>	<ul> <li>Increased use of rail</li> <li>Increase use of short sea shipping and inland waterways</li> <li>Modular road transport</li> <li>Cargo bikes</li> <li>Multi-modal optimization</li> <li>Synchromodality</li> </ul>	<ul> <li>Load optimization</li> <li>Load consolidation and asset sharing</li> <li>Reduce empty moves</li> <li>Modular packaging and boxes</li> <li>Open transport networks and warehouses</li> <li>Increase storage density and energy efficiency</li> </ul>	<ul> <li>Cleaner and efficient technologies</li> <li>Efficient vehicles and vessels</li> <li>High capacity vehicles / duo trailers</li> <li>Driving behavior</li> <li>Fleet operation</li> <li>Fleet maintenance</li> </ul>	<ul> <li>Electric / hybrids</li> <li>Solar / Wind</li> <li>Biofuels</li> <li>Hydrogen</li> <li>CNG/bio-LNG</li> <li>Cleaner diesel</li> <li>Fuel management</li> </ul>

(1) Report credible emissions and set science-based reduction targets
(2) Reduce emissions by developing and implementing action plans
(3) Collaborate for sector-wide uptake

Smart Freight Leadership to drive the transition towards zero logistics emissions. Smart Freight Center. Roadmap Towards Zero Emissions Logistics 2050. ALICE (2019) www.etp-alice.eu



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# SUSTAINABILITY AND GHG PERFORMANCE AT LOGISTICS HUBS

## AGENDA

- GHG emissions quantification of logistics sites aligned with ISO 14083 Jan-Philipp Jarmer, Fraunhofer IML
- Annual market studies & overall GHG performance indicators for logistics hubs

Andrea Fossa, GreenRouter & Kerstin Dobers, Fraunhofer IML

- Possible solutions for decarbonising logistics sites Sara Perotti, Politecnico di Milano
- Sustainability of sites: a key driver for maintaining value over time Scarlet Romano, Arcadis Germany



