





Smart Freight Centre

Rules for the webinar

The future of greenhouse gas emissions accounting in the logistics sector: an introduction to ISO14083 and the SFC Assurance Scheme







- 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) ©
- 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!







The future of greenhouse gas emissions accounting in the logistics sector: an introduction to ISO14083 and the SFC Assurance Scheme

Welcome and introduction

• **Pieter Leonard**, Capability Manager Supply chain food-transport, <u>Colruyt Group</u> and <u>ALICE</u> efficient and low emission assets and energy chair.

Increasing importance of carbon accounting and how GLEC helps companies to implement ISO 14083

Alan Lewis, Chief Technical Officer(Smart Freight Centre)

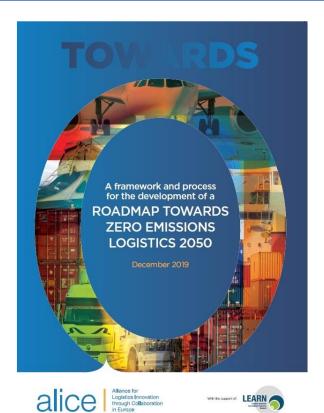
GLEC Framework 3.0 what is new?

Alan Lewis, Chief Technical Officer(Smart Freight Centre)

Overview of Smart Freight Centre's Conformity Assessment Scheme

Ana Dahlin, Assurance Manager (<u>Smart Freight Centre</u>)

Closure and next steps



Link to the document

FREIGHT DEMAND GROWTH IS MANAGED





- Supply chain restructuring
- Localization and nearshoring
- Decentralization of production and stockholding
- 3D printing
- Dematerialization
- Consumer behavior

TRANSPORT MODES ARE SMARTLY USED AND COMBINED



- Increased use of rail
- Increase use of short sea shipping and inland waterways
- Modular road transport
- Cargo bikes
- Multi-modal optimization
- Synchromodality

FLEETS AND ASSETS ARE SHARED AND USED TO THE MAX



- Load optimization
- Load consolidation and asset sharing
- Reduce empty moves
- Modular packaging and boxes
- Open transport networks and warehouses
- Increase storage density and energy efficiency

FLEETS AND ASSETS ARE ENERGY EFFICIENT





Cleaner and

technologies

and vessels

High capacity

trailers

Fleet

vehicles / duo

Driving behavior

Fleet operation

maintenance

Efficient vehicles

efficient





FLEETS AND ASSETS

USE LOWEST

EMISSIONS ENERGY

SOURCE FEASIBLE



- Electric / hybrids
- Solar / Wind
- Biofuels
- Hydrogen
- CNG/bio-LNG
- Cleaner diesel
- Fuel management

© Smart Freight Centre and ALICE-ETP based on A. McKinnon 'Decarbonizing Logistics' (2018)

Roadmap Towards Zero Emissions Logistics 2050. ALICE (2019) www.etp-alice.eu



Report

credible emissions and set science-based reduction targets



Reduce

emissions by developing and implementing action plans

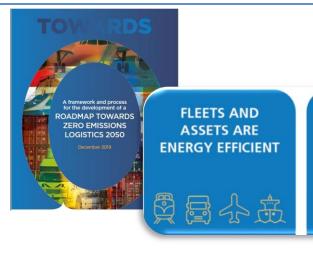


Collaborate

and advocate for sector-wide uptake

Efficient and Low Emissions Assets and Energy (TG1)





FLEETS AND ASSETS USE LOWEST EMISSIONS ENERGY SOURCE FEASIBLE









Pieter Leonard

COLRUYTGROUP



Fernando Liesa ALICE TG1 Chair Programme Manager



Stefanie Van Damme Project Manager & Technical Lead



Máximo Martínez **Project Manager & Technical Lead**



Pablo Segura Support



Andrea Condotta

Zero Emissions

Road Transport

Partnership



John Smith



Lóri Tavasszy



Tharsis Teoh



Alain Baeyens



Zeljko Jeftic

Practical application of zero emission roadmap **Connection bussiness to** reseach community

GHG Footprint measurement and reporting



Roadmap promotion to **SMEs**

Connected, Cooperative and Automated Logistics **Operations**



















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