Market-Based Measures to Accelerate Transport Decarbonization:

An Introduction to SFC's new Multimodal Book and Claim Accounting Framework

August 2416.30 to 17:30 (CET)





Rules for the webinar Market-Based Measures to Accelerate Transport Decarbonization:

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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 in the event page.
- 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!







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Welcome and introduction

Fernando Liesa, ALICE Secretary General and <u>Efficient and Low Emissions Assets and Energy (TG1</u>) programme manager (<u>ALICE</u>)

Accelerating Transport Decarbonization: SFC Voluntary Market-Based Measures Accounting Framework

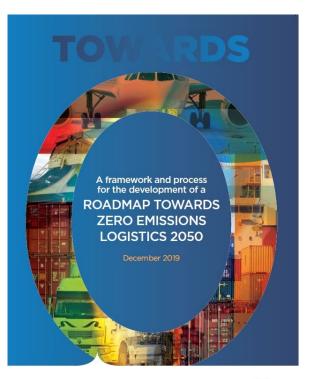
Dan Smith, Program Director (Smart Freight Centre)

Close and invitation to join the Book and Claim Community

ALICE membership is bringing an holistic approach All key logistics stakeholders represented! **EU/International Associations** Type of Organization Members CHEP pro%imus **Shippers & Retail** PeG L'ORÉAL **ELUPEG** Logistics Service Providers, Courier GEODIS Gebrüder Weiss >LOGISTIC EALTH **Poste**italiane and Postal operators & Freight TRI : VIZOR CODOGNOTTO LA POSTE GRUBER. **FERCAM Forwarders** HUTCHISONPORTS ECT ROTTERDAM INTERPORTO **ECO SLC** Ports, Hubs, Real Estate Port of Rotterdam De Vlaamse Waterweg INE NAVIGATION Rijkswaterstaat Ministry of Infrastructure European companies, Intermodal terminals WT EPORT Adriafer & Transport/Energy Infrastructure VEV TRAFIKVERKET **Platform** Port de Barcelona Transport and industry vehicles, **PONERA L**@GIFRUIT KION SCANIA eucar packaging & material handling SILENT SENSORS PRODUCTBLOKS GreenRouter Ptsclas DAC Transmetrics **MARLO** ALSIC 2 URBAN RADAR Information and Communication AELER interlogistics RuleX NXMOVE TRANSPOREON ERTICO Technologies & Consultancy mosaicfactor LastMile TEAM inlecom log sea MACON PTV GROUP **CAMJ** Logistics Initiative © ČESMAD **CLOSER** Euralogistic **Regional & National Logistics** ALYA **Smart Freight** Centre **Clusters & Associations CPLS** Logistop GERTALHIT Fraunhofer Gr ﷺ IDIT≅ ITERE CIRCOE SE. M®bilise F Amsterdam University Research and technology Centers L C Q research SINTER TUDelft THO innovation CO UNIEC MANNOM BE **European Technology Platforms** MANUFUTURE-EU ERTRAC /PPPs Department Member States and innovation for Transport VINNOVA Funding* TKI DINALOG

*Involved in ALICE Mirror Group

TÜBİTAK







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





- Efficient vehicles and vessels
- High capacity vehicles / duo trailers
- Driving behavior
- Fleet operation
- Fleet maintenance

FLEETS AND ASSETS
USE LOWEST
EMISSIONS ENERGY
SOURCE FEASIBLE







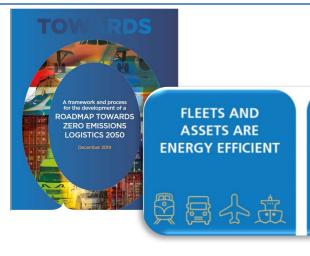
- Electric / hybrids
- Solar / Wind
- Biofuels
- Hydrogen
- CNG/bio-LNG
- Cleaner diesel
- Fuel management

© 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

Making assets transition affordable!

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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