Real-World Energy Efficiency and Emissions of Electric Freight Vehicles

05th | 15.00 to 16.30 cest











TG1





Fernando Liesa Secretary General European initiatives and projects accelerating road freight electrification



ALICE programmes, activity fields and projects



Efficient and Low Emissions Assets and Energy

> **Road Transport** electrification

> **Automated road** transport

GHG emissions measurement and reporting (SFC)

Corridors, hubs and synchromodality

Europe's Rail and ERRAC

5th Transport Mode

Waterways and SSS

Ports & hubs

Resilient Transport Networks

Systems and **Technologies for** Interconnected Logistics

Data exchange, DTLF and eFTI

5G

Artificial Intelligence

Digital Twins

Global Supply Network Coordination & Collaboration

ALICE EXPRESS

Increase use of rail

Applied Collaboration Streams

Urban Logistics

Governance and regulations

Clean & alternative fleet

Urban data

Innovative operations

Consumer engagement

EC Expert Group on Urban Mobility (EGUM)

Projects

ZEFES

CLEVER

FLEXMCS

MultiReload

Cristal

REMUNET

AUTOSUP

Seamless

DELPHI

DISCO

LOGeHUBS

MODI

MACBETH

STRENGTH-M

PIONEERS

SARIL

FOREMAST

AUTOMOTIF

URBANE

GREENTURN

Shift2Zero

Innovation uptake & **Knowledge Management**

Innovation uptake strategy

EU policy

monitoring

ALICE logistics innovation awards

Horizon Europe

Funding Calls

R&I projects Liaison Programme

FP 10

Knowledge Platform

¹Key events T&L Munich

ALICE Brokerage

ALICE Summit

TRA 2026

IPIC 2025 & 2026

Value creation for members

Influence

Follow up meetings with members

Funding

Women in Logistics

Logistics Clusters

Networking

Partnerships &

networks

Membership engagement

opportunities

EU legislative pipeline



Accounting of greenhouse gas emissions of transport services	Alternatives Fuel Infrastructure Regulation	Artificial Intelligence Act	Combined Transport Directive	Corporate Sustainability Reporting Directive	CO2 emission performance standards for cars and vans	CO2 emissions standardsof HDVs
Data Act	Data Governance Act	eFTI Regulation	Electricity market reform	EU Emissions Trading System (EU ETS) (Maritime)	ETS2 (buildings, road transport and additional sectors)	Empowering consumers for the green transition
EU customs reform – Import Control System 2	Euro 7	European Innovation Act	Fuel EU Maritime Directive	Fuel Quality Directive	Green Claims Directive	Greening Corporate Fleets
Increasing the share of rail freight traffic	Net Zero Industry Act	Mobility Data Spaces	Rail interoperability (RECAST)	Reducing packaging waste – review of rules	Renewable Energy Directive	Renewable and recycled carbon fuels — extending the scope of traceability of the EU database
	RIS Directive	Shipping emissions – rules on monitoring & reporting	TEN-T Regulation	Use of railway infrastructure capacity	Weights and Dimensions (of HDV) Directive	

Source: ALICE Policy Monitoring: https://knowledgeplatform.etp-logistics.eu/enrol/index.php?id=309

European Commission initiatives





EΝ

L series

2025/794

16.4.2025

DIRECTIVE (EU) 2025/794 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL

of 14 April 2025

amending Directives (EU) 2022/2464 and (EU) 2024/1760 as regards the dates from which Member States are to apply certain corporate sustainability reporting and due diligence requirements

(Text with EEA relevance)



Greening Corporate Fleets Initiative

Accelerate the **shift of corporate vehicle fleets to zero-emission vehicles (ZEVs)** as part of the EU Green Deal and Sustainable and Smart Mobility Strategy.

Key Actions Proposed:

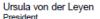
- Mandatory ZEV targets for large fleets (e.g. 100% ZEV purchases by 2030)
- End tax breaks for fossil-fuel corporate cars
- Expand EV charging infrastructure

European Commission initiatives



Automotive Action plan and Strategic Dialogue Digital topics feature heavily in the Strategic Dialogue and Automotive Action Plan







Jan 30 – Kick-off Mar 3 – Closing with Pres VdL



Henna Virkkuner



Stephane Séjourné



Roxana Mînzatu



Wopke Hoekstra



Apostolos Tzitzikosta Commissioner

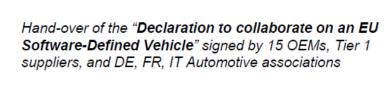
Dialogues with 5 other EVPs/Commissioners

Feb 17, Strategic Dialogue with EVP Virkkunen



26 participants, 4 Focus topics

- Software-Defined Vehicles (SDVs) for connected, autonomous, and electric mobility
- 2 Automotive Hardware and critical technologies
- (3) Data Access and Pooling
- 4 Regulatory simplification





March 5 – Publication of the Action
Plan for Automotive

The outcome of this dialogue will be a comprehensive Action Plan

5 Chapters:

Innovation and Digitalisation Decarbonisation Competitiveness and supply resilience Skills and Social dimension Level playing field and business environ.



Electrification of Heavy Duty Road transport





Accelerating freight transport electrification partnership − 200 M€

Timeline 2023 2024 2025 2026 2028 2030

Vehicles











Infrastructure



Battery Electric Vehicles (BEV) long-haul logistics use cases



Logistics Models

Large Scale ZE-HDV Demonstrations

Bringing together

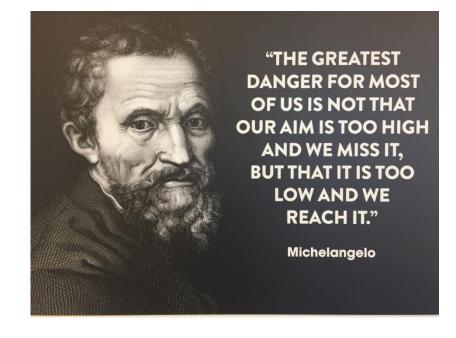
- next generation of trucks
- next generation of energy infrastructure
- logistic models
- integrated approach for the tools

to achieve a holistic approach for electrification ready for competitive adoption in a wider range of applications including HD-Long Haul

Tools → Management of electric fleets and operations



Thank you!



The Best Way To Predict The Future Is To Co-Create It!

If you want to go fast, go alone If you want to go far, go together



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