

CONTEMPORARY CHALLENGES IN COMBINED TRANSPORT FROM A POLICY AND BUSINESS PERSPECTIVE

**UIC COMBINED TRANSPORT
OCTOBER 12TH, 2023**

WEBINAR START AT 10.00H

UIC-CFL EVENT

**THE ROLE OF COMBINED TRANSPORT IN CURRENT LOGISTICS OPERATIONS
AND HOW IT HAS CHANGED (OR NOT)**

Agenda



- **UIRR galaxy, mission and vision**
- **Combined Transport**
 - Introduction
 - Past achievements
 - Current Performance and Deliveries
- **The CT4EU campaign**
- **Conclusion**

UIRR, the industry association of Combined Transport



An extended network of 100 = 51 members + 21 technology partners + 28 MoU peers

PARTNERS



MOU PEERS



UIRR OPERATORS



UIRR TERMINALS



INDUSTRY ASSOCIATION PEERS



GOVERNMENTAL BODIES



Mission and vision

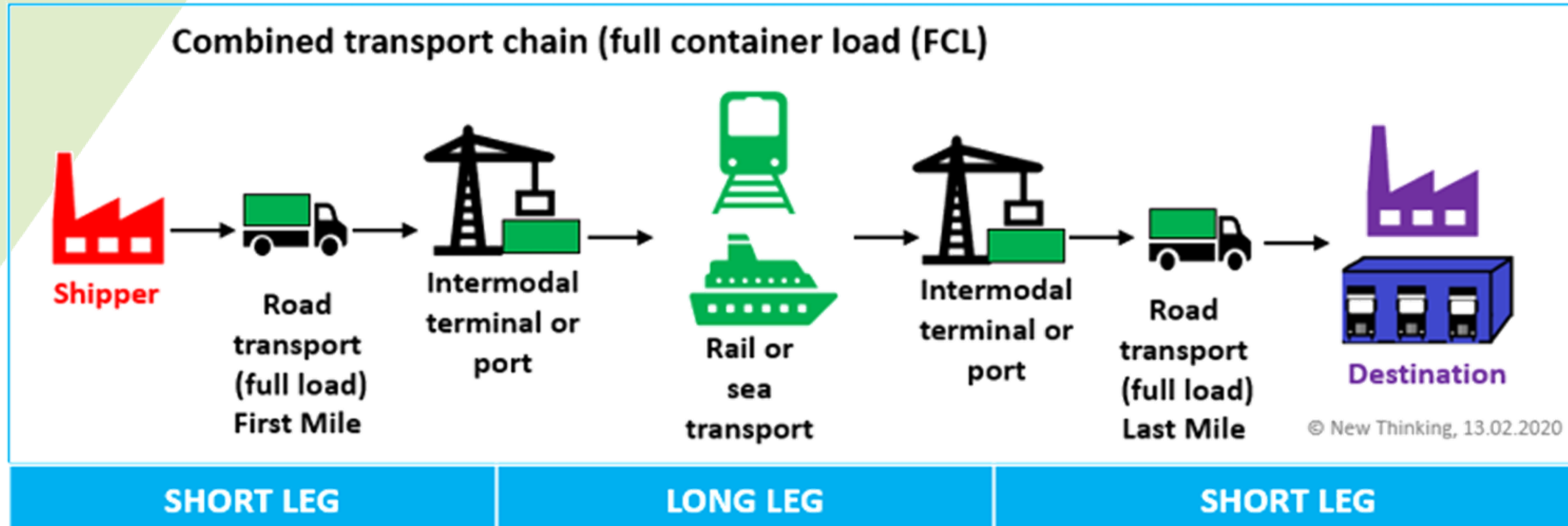


Zero-Carbon Combined Transport is the solution for well performing longer distance surface freight logistics in a carbon-neutral Europe



UIRR advances the development and actively promotes competitive zero-carbon Combined Transport for Europe

About Combined Transport



Road-Rail Combined Transport (CT) is a **system of freight forwarding** which is based on efficiently and economically inserting **electric rail into long-distance logistics chains** using **intermodal loading units (ILU)**.



Combined Transport: **current performance**

CT is the most dynamic transport solution for the sustainable door-to-door transport of any type of cargo in Europe...

- **10 million truckloads per year**
- **200,000 trains per year**
- **50% of the European rail freight (expressed in TKM)**
- **About 200 billion TKM per year**
- **Any types of cargo and standardised loading units**

Combined Transport **delivers** on several key EU priorities



- Improving **air quality**
- Reducing **noise pollution**
- **Decarbonising** long-distance freight transport
- Increasing **energy efficiency**
- **Decoupling from fossil fuels**
- **Decreasing road degradation, congestion and accidents**
- **Mitigating the long-distance truck driver shortage**

CT delivers a pathway to net zero



CT efficiently transforms non-fossil electricity into transport services on an industrial scale.

- The technology is here
- Zero carbon, door-to-door CT is already possible

CT delivers a greater energy efficiency and lower CO₂ emissions

KEY MESSAGE

Compared to a Euro6/Euro7 truck, **door-to-door CT** offers an **effective, affordable** and **low-risk** path to improving energy efficiency and reducing CO₂ emissions.

KEY FIGURES



CT delivers a reduced road infrastructure degradation

KEY MESSAGE & FIGURES

Steel-on-steel and steel-in-water always outperforms rubber-on-asphalt:

- Heavy truck axles are the number 1 cause of road- and bridge degradation.
- Rail, on the other hand, is built to support 22.5-tonne axles making it ideal to handle heavy loads

CT delivers less road congestion

KEY MESSAGE & FIGURES

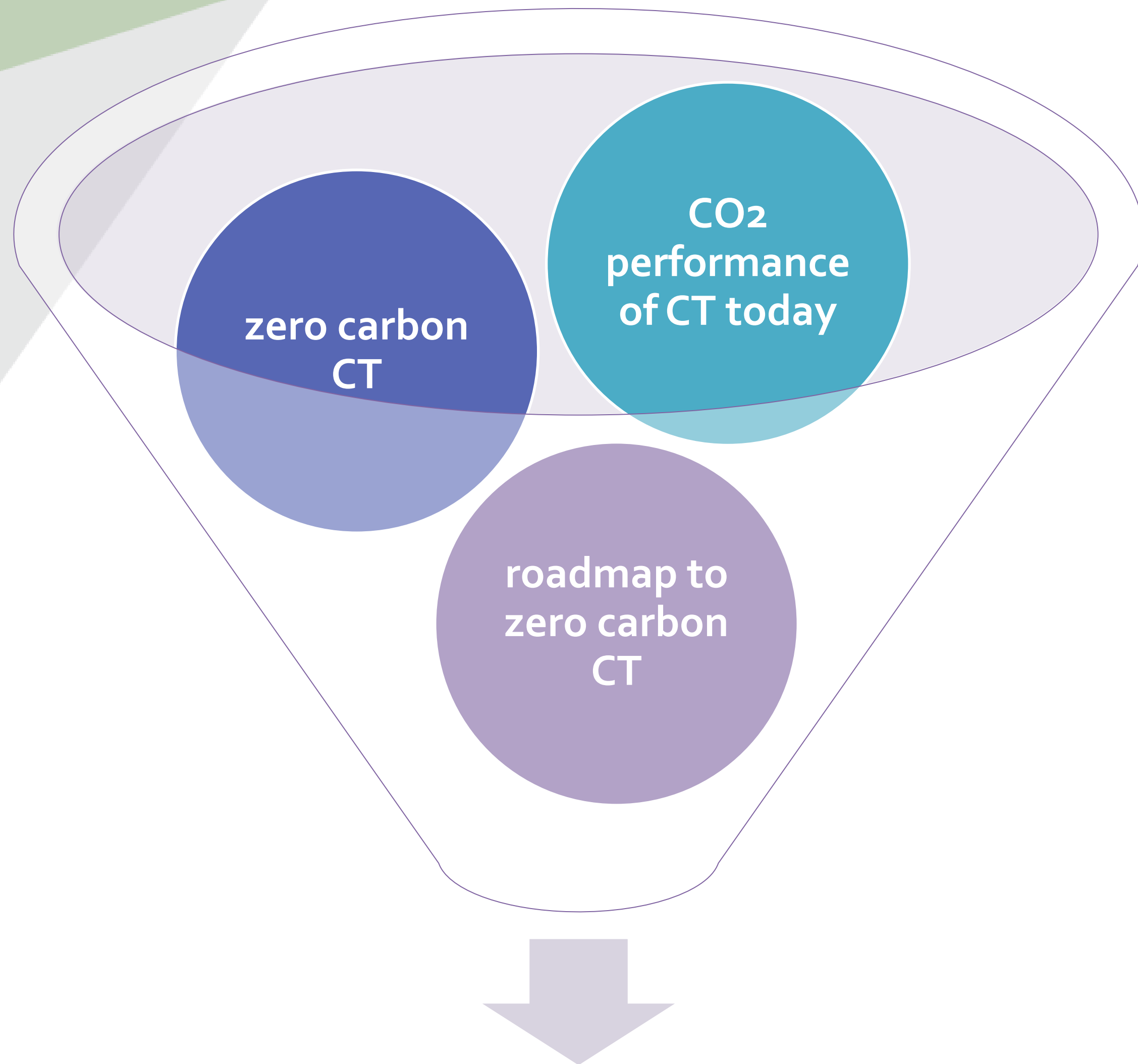
Alternatively powered trucks cause the same amount of road congestion as if the powertrain was fueled by diesel. Rail freight has the potential to double its market share by 2050. This requires a near three-fold increase in CT performance.

But the benefits of doing so are clear:

- 350 million less truck hours
- 170,000 fewer truck drivers

Fewer trucks on the road = less road congestion for everyone!

The CT4EU Campaign



Combined Transport is the low hanging fruit

CO₂ performance of CT today: an update of the previous study on the energy efficiency and carbon/pollutant emissions of Combined Transport

Zero-Carbon CT: what is ZCCT? – a study on the technical feasibility of using BEV trucks for the road legs, decarbonisation/electrification potential of terminals and their combination with electric rail freight

Roadmap to Zero-Carbon CT: how much investment and time is needed to proliferate ZCCT in Europe

Affordable, effective and low risk = Combined Transport, the solution to EU policy objectives

4 years of the CT4EU campaign: 2021-2024



2021-22: studies, design, website, social media presence, organization – www.ct4eu.eu - <https://www.linkedin.com/showcase/ct4eu/>

2023-24: dissemination actions by UIRR Members and Partners (60), MoU peers (30), Supporters (12 and growing), railway undertakings - altogether nearly 200 actors

EU BUBBLE

COORDINATOR: UIRR

Studies to underpin the messaging, visuals, methodology and event support

IN COLLABORATION BRUSSELS PEERS to address the European Parliament and the European Commission decisionmakers

MEMBER STATES

COORDINATOR: NATIONAL ASSOCIATIONS
MoU Peers of UIRR in the various Member States

NATIONAL DELEGATIONS TO COLLECTIVELY COMMUNICATE

consisting of Combined Transport operators, terminal managers, traction providing railway undertakings, shippers committed to intermodal and technology providers based on the specific Member State

Conclusions



- Combined Transport has delivered, delivers and will continue to deliver affordable and sustainable solutions for the logistics sector
- Combined Transport has a yearly growth average of 7% - 8% thanks to its capacity to adapt to the logistics needs (type of cargo & loading units) and to a significant extension of its network based on direct trains in Europe and beyond
- 'Sustainability' and 'energy efficiency' are key components of the CT strategy – consequences of the various greening initiatives and the energy crisis
- The CT₄Eu campaign as instrument to promote the benefits of CT for the logistics sector – please support us !



Thank you for your attention !
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