CT-TR-003 — Freight Decarbonisation

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iea_aligned	Y — IEA ETCS covers road freight efficiency and electrification
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Description

Technologies and operational strategies for reducing greenhouse gas emissions from road freight transport. Includes truck fleet renewal with cleaner vehicles, electric and hydrogen trucks, logistics optimization, intermodal freight integration, and fuel efficiency improvements for heavy-duty vehicles.

Colombia Context

Colombia's road freight sector accounts for approximately 12% of national transport emissions. INVIAS (Instituto Nacional de Vias) manages the national road network that freight depends on. The NDC transport target includes freight efficiency improvements. MinTransporte's truck fleet renewal program (Programa de Renovacion de Parque Automotor de Carga) incentivizes replacement of older diesel trucks. Colombia's geography (three Andean cordilleras) makes freight particularly energy-intensive and difficult to electrify. Intermodal freight via the Magdalena River is an emerging decarbonisation pathway.

EUDR Relevance

Indirect EUDR connection through commodity logistics. Freight decarbonisation applies to the transport of EUDR-regulated commodities from farms to ports, though the EUDR itself does not regulate transport emissions.

CTH Data Coverage

Limited CTH coverage. CLP cohort has not focused on freight decarbonisation. Partial data coverage through CTH Research tracking of transport sector emissions and policy developments. An emerging priority as Colombia scales its NDC ambitions.

Green Finance Alignment

Good green finance alignment. TVC covers freight decarbonisation under transport. CBI certifies freight efficiency investments. EU Taxonomy includes zero- and low-emission heavy-duty vehicles. IEA ETCS tracks road freight decarbonisation technologies. CPI classifies freight transport investments as climate finance.


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