



The importance of a circular economy in road freight transport

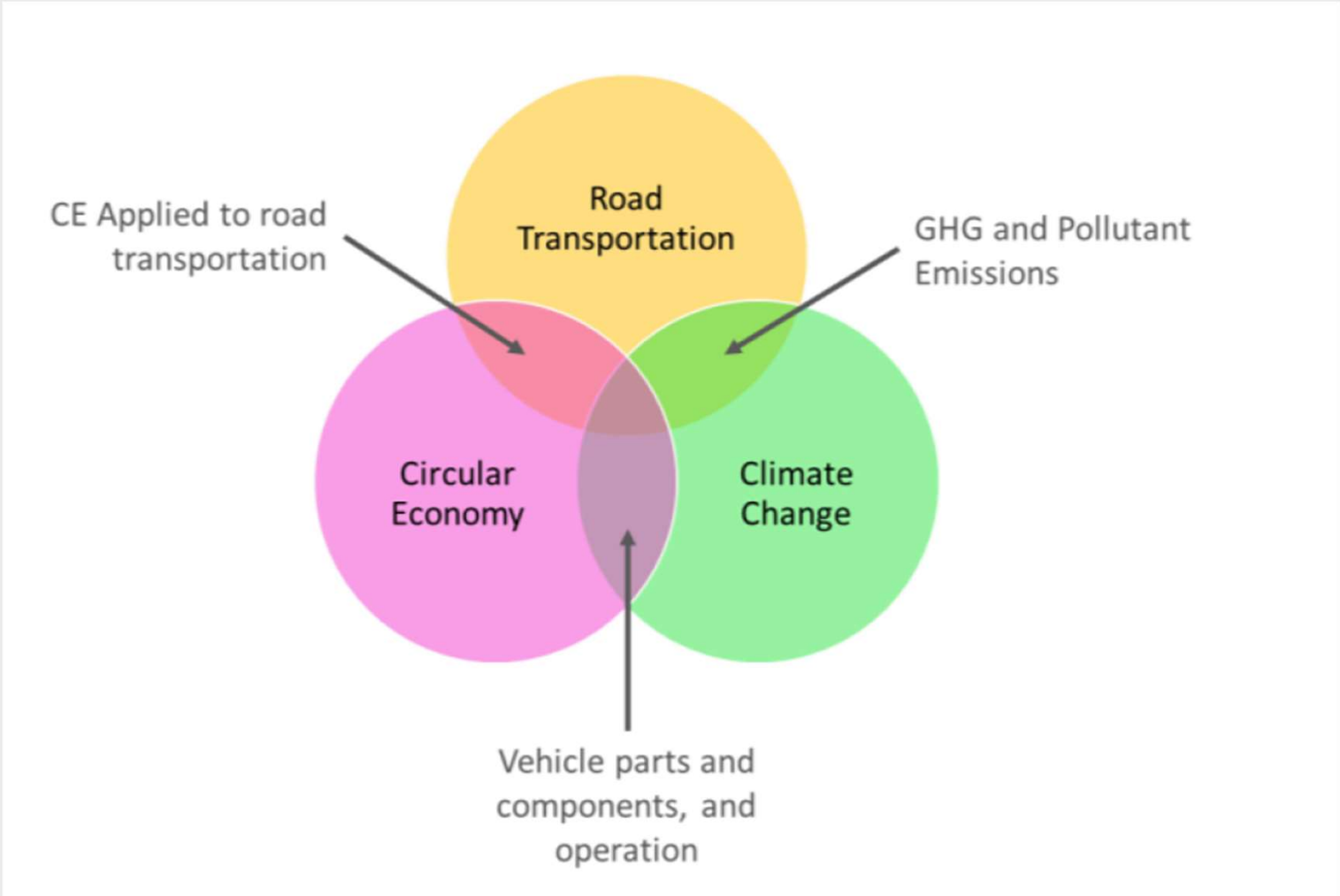
Aldo Celasco, IRU





The world road transport organisation

**Be the global leader in connecting societies
with safe, efficient, green mobility and
logistics**





7% of Global
GHG emission
caused by
logistics

75% of transport
via road

20% of trucks
are driving empty
around Europe

50% average
truck load

NEW technologies
and business model
innovations are
needed to decrease
global GHG emissions

Transport increase through:

- e-commerce
- Economic growth
- Small scale deliveries

IRU GREEN COMPACT

Working towards ambitious targets



The aviation sector approved a resolution to achieve net-zero carbon emissions by 2050.



The maritime sector aims to reduce its emissions by at least 50% by 2050 compared to 2008 levels.



2050 TARGET

Paris Agreement signed by 196 countries



The Rail Climate Responsibility Pledge signed in 2015 calls for carbon neutrality by 2050.



The IRU Green Compact is a collective commitment to achieve carbon neutrality in commercial road transport by 2050.

How to achieve net zero emissions?



Green fleets/alternative fuels

High-capacity vehicles

Trade facilitation, including digitilisation

35

Freight volumes

Truck traffic worldwide (in trillion ton km)

Source: ICCT

● Heavy Trucks

● Medium Heavy Trucks

● Light Trucks

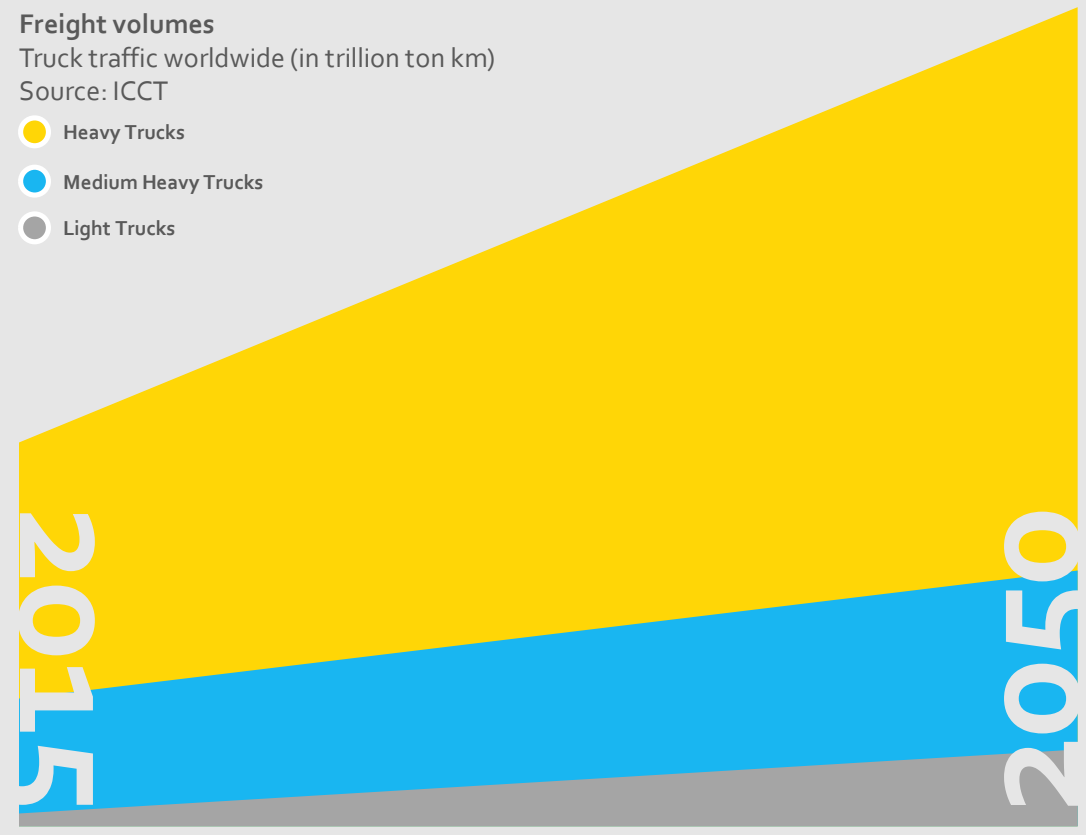
20

15

10

5

0

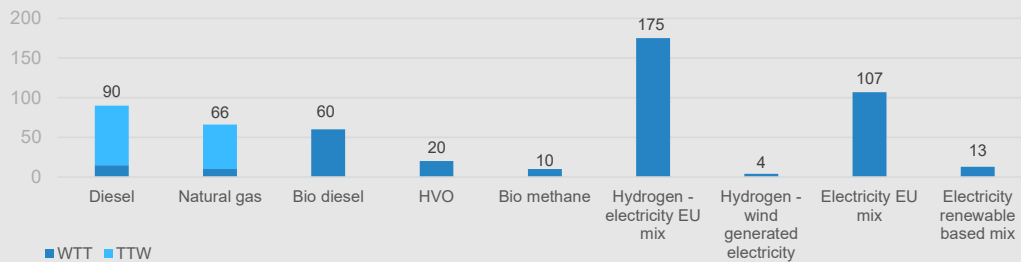


IRU position: WTW approach

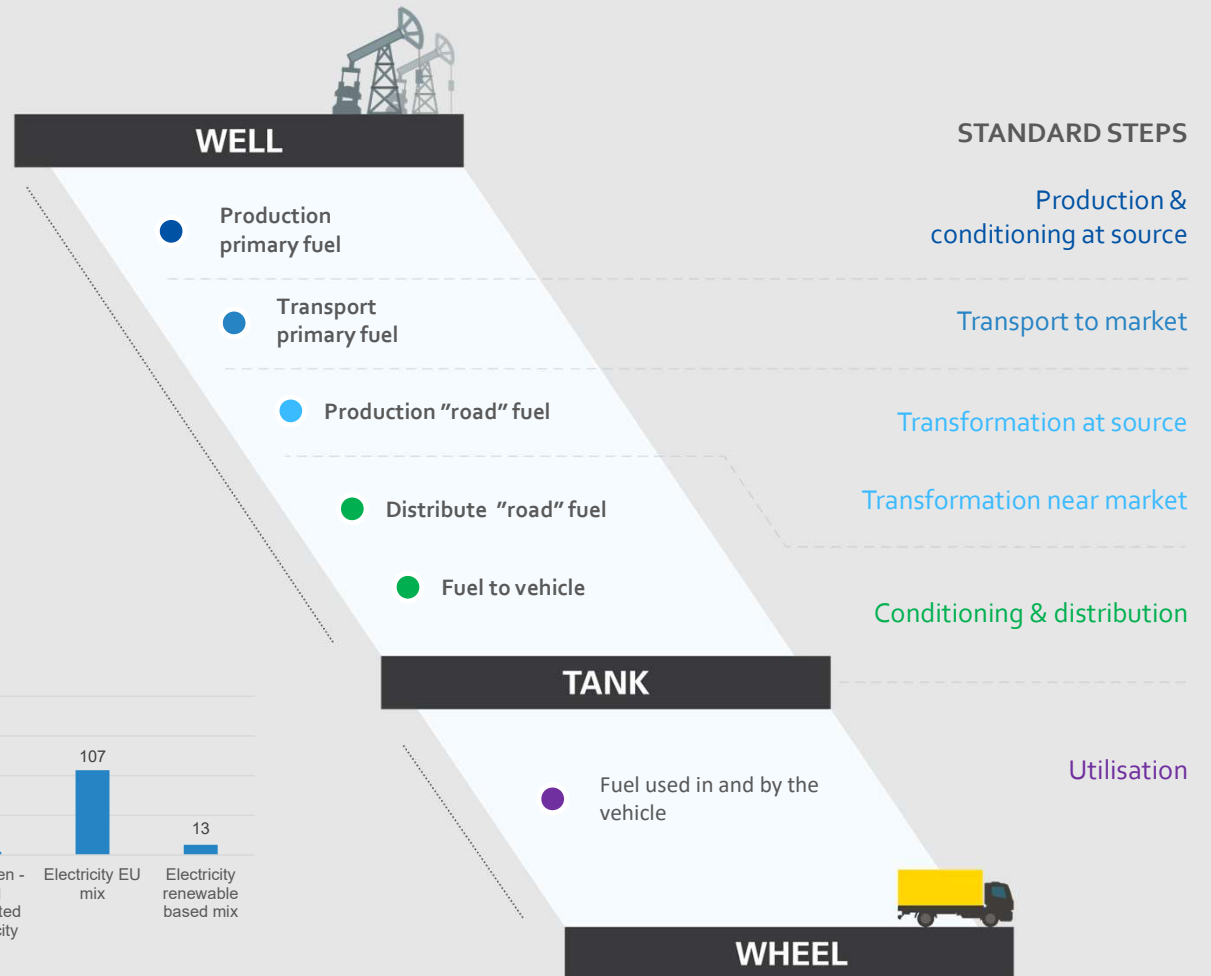


Laws and policies must be based on the well-to-wheel (WTW) principle

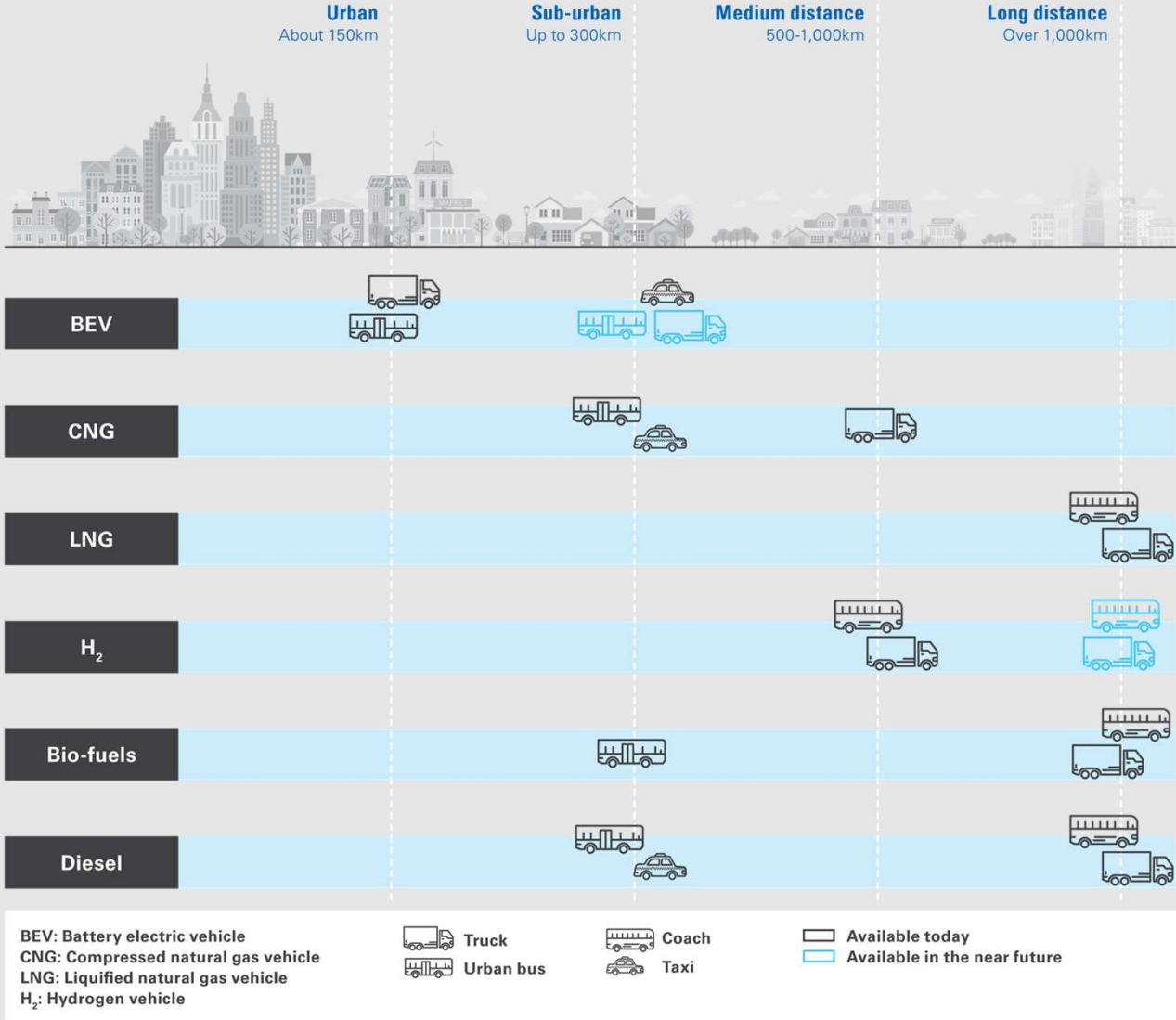
All alternative fuel options must, ultimately, be based on renewable energy sources and lead to investments in greener fuels and fleets



Well-to-wheel emission factors (kg CO₂/GJ) per fuel type. Source: ADEME, GLEC framework, State of the Art on Alternative Fuels Transport Systems in the European Union, Joint Research Centre 2020.



Different fuels and technologies suit different transport activities



Next steps

- Fuels must be renewable
- Operators invest in approximately 300,000 new trucks per year (EU) – 3M worldwide
- Only the well-to-wheel approach will allow the sector to fully decarbonise
- Circular Economy principle to promote the introduction of new technology
- Battery Electric Vehicle Task Force for dangerous goods



DRIVING FORWARD

We look forward to continuing our
constructive discussions



For a world in motion