



12th Florence Intermodal Forum

Session C – Financing new public objectives

For which public policy objectives could investments be mobilized?

Decarbonization of rail rolling stock fleet & interdependence of objectives

Carole Coune

AERRL Secretary General

AERRL as representative body at EU level

Slightly less than 3000 locomotives are leased in Europe. 40 % of new loco deliveries*.

- 40 % of the total leasing locomotive fleet is equipped with **ETCS** (> < 10 % as RU average)
- 64 % of the total leasing locomotives fleet is **electric traction**
- 65 % is **cross border**

2723 Vehicles,
owned by
AERRL
members

- Our members are owning**
- More than 2/3 of the locomotives fleet of rolling stock lessors in EU + SW/NO
 - 450 EMU and passenger coaches
 - **More** than a half of the whole rolling stock leasing fleet in operation in EU + Sw/No

AERRL purpose
To promote interoperable
and safe European rail
rolling stock
Strong European mindset

* In 2016-2020

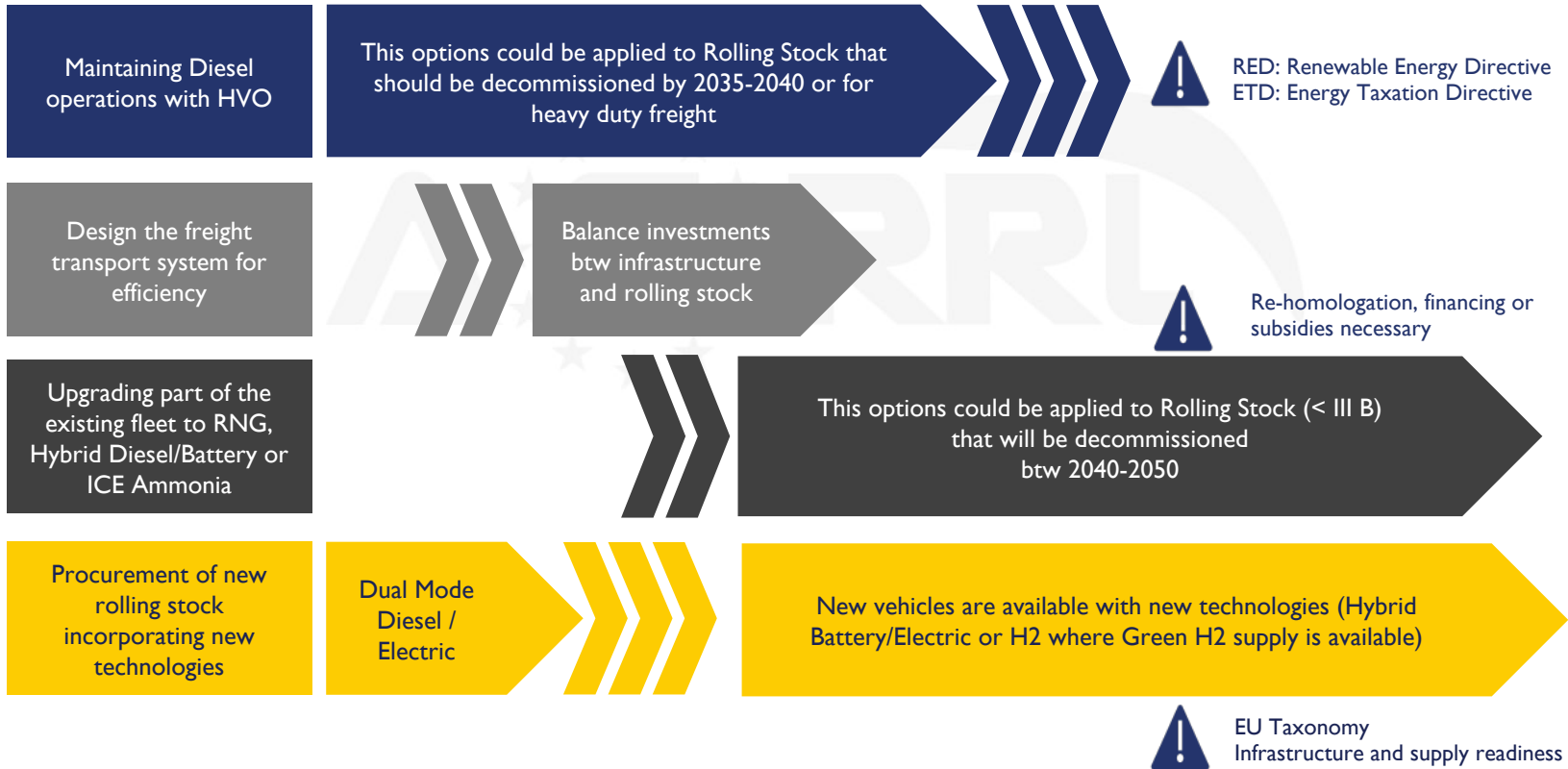
AERRL Study on alternatives to fossil diesel use in railways (phase 1)

- Why ? Investors in performant and cross-border rolling stock need **predictability &** other transport modes are producing **roadmap towards net zero fleet by 2050**
- What ? How can we reduce from now the CO2 emissions of the existing fleet and move towards a net zero rail fleet by 2050 ?

- Who ?



OUR INITIAL ROADMAP



AERRL Study on alternatives to fossil diesel use in railways (phase 1) : core findings

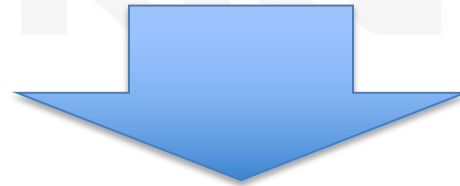
- Rail and electricity remain the winning duo
- **Battery/electric technology is a game-changer**
- If this technology is deployed at a large scale in Europe, **cost of electrification can be reduced significantly**

ÖBB: electrification needs limited to 26 % of the railway track considered, in their study

Decarbonization of rail rolling stock fleet & interdependence of objectives

- A net-zero rail fleet by 2050 is a good objective, as such & because it can also contribute to other objectives

- Like make funds available for solving bottlenecks, building new capacities, accelerate ERTMS deployment, DAC and digitalization in general



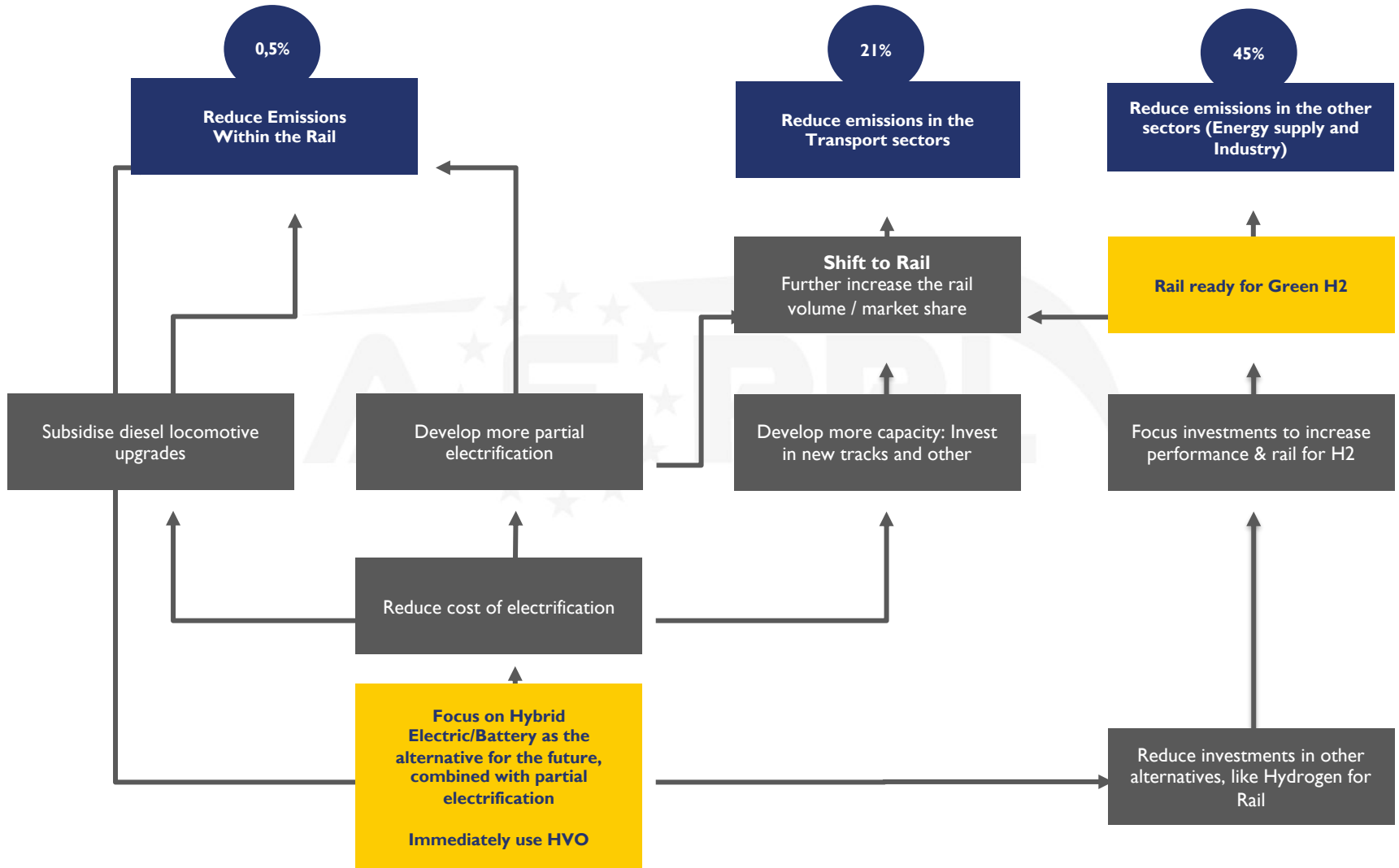
Business case

- IMs
- RS Keepers
- Whole railway system

Make growth possible at an affordable price

Thanks to this new objective & its positive impact on other objectives

THE VIRTUOUS LOOP



Conditions

- Framework conditions of a positive business plan for the whole sector
- Demonstrators, with battery manufacturers to reach the needed performances.
- **A sectorial roadmap => let's have a discussion and be united !**

A close-up photograph of a person's right hand holding a red marker. The hand is positioned on the left side of the frame, with the index finger pointing towards the text. The marker is held between the thumb and index finger, and a thick red line has been drawn across the page, starting from the tip of the marker and extending to the right.

LET'S DO IT
TOGETHER

Contact me !

carole.coune@aerri.eu