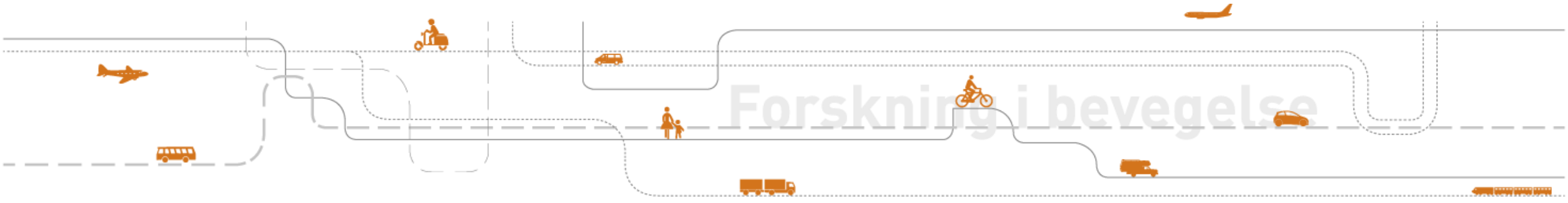
Transportøkonomisk institutt
Stiftelsen Norsk senter for samferdselsforskning

TRIPLEF
FOSSIL FREE FREIGHT

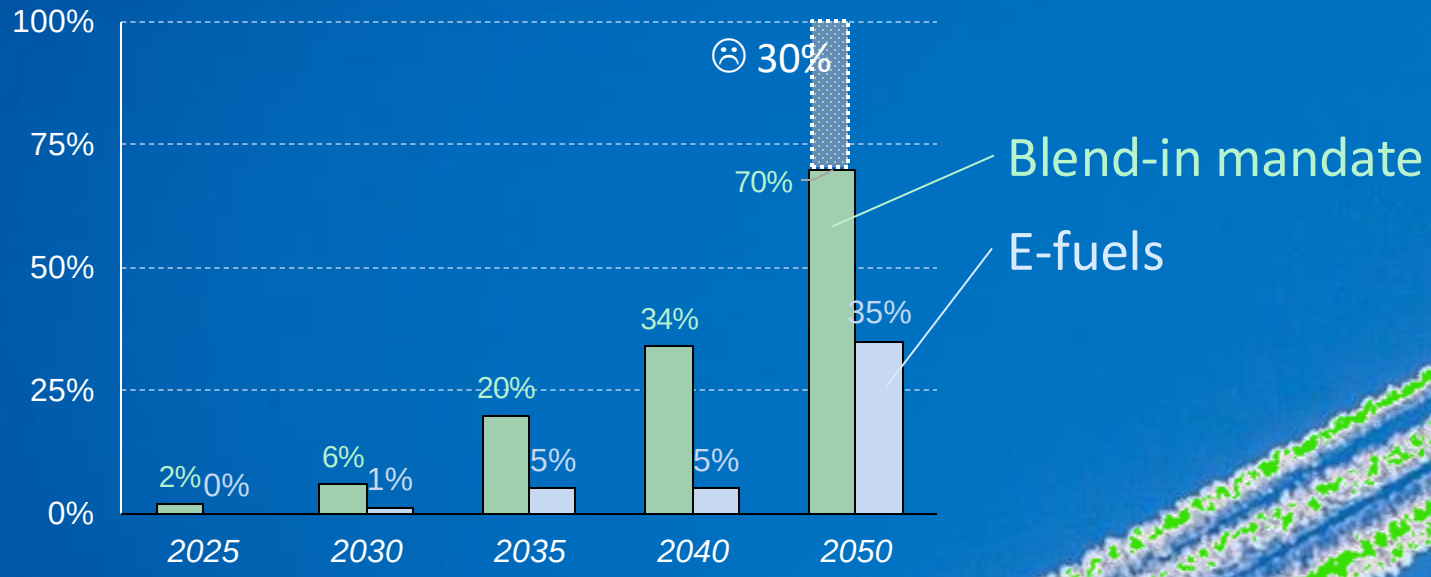
Triple F Höstkonferens 2024
Lindholmen - Göteborg, 15. oktober 2024

National climate policies in an EU regulation framework

Niels Buus Kristensen



Refuel Aviation

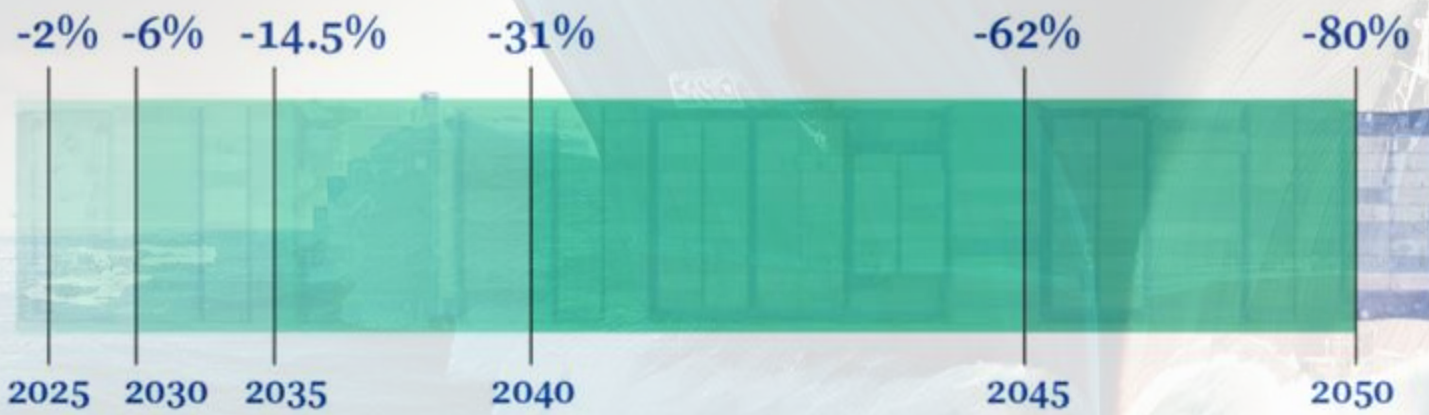


FuelEU maritime

The FuelEU maritime regulation will oblige vessels above 5 000 gross tonnes calling at European ports (with exceptions such as fishing ships):

→ to **reduce** the **greenhouse gas intensity** of the energy used on board as follows

Annual average carbon intensity reduction compared to the average in 2020



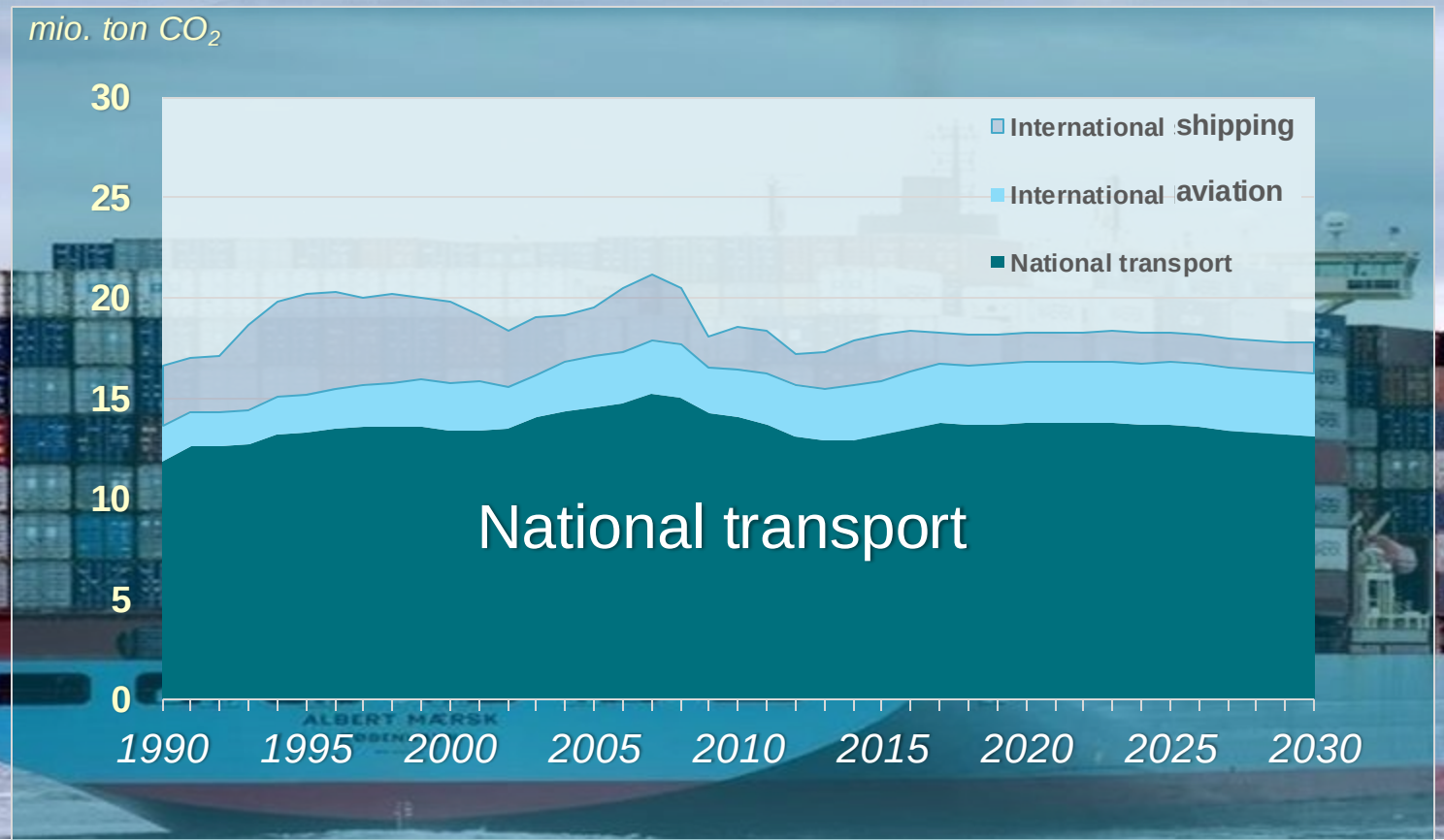
ETS Shipping

Year	% of covered emissions regulated	GHGs
2024	40%	CO_2
2025	70%	
2026	100%	CO_2 - CH_4 - N_20
2027		

Klimarådet.

Take responsability!

International aviation and shipping are not comprised by national targets



EU emission standards for new trucks

[Regulation (EU) 2024/1610 – 14 May 2024]

Press release | 14 February 2023 | Strasbourg

European Green Deal: Commission proposes 2030 zero-emissions target for new city buses and 90% emissions reductions for new trucks by 2040

Today, the European Commission has proposed ambitious new CO_2 emissions targets for new heavy-duty vehicles (HDVs) from 2030 onwards. These targets will help to reduce CO2 emissions in the transport sector - trucks, city buses, and long-distance buses are **responsible for over 6% of total EU greenhouse gas (GHG) emissions** and more than 25% of GHG emissions from road transport. These strengthened emissions standards would ensure that this segment of the road transport sector contributes to the shift to zero-emissions mobility and the EU's climate and zero pollution objectives.

AFIR-directive in DK

- **700 mill. DKK for HGV charging infrastructure**
- **for 25 charging stations along TEN-T**
- **with 175 charging points (133 kW)**
- **Roll-out 2025 to 2030**

- ÷ **45%** i 2030 (prev. 30%)
- ÷ **65%** i 2035
- ÷ **90%** i 2040

EU emission standards for new trucks

[Regulation (EU) 2024/1610 – 14 May 2024]

Nyhed

Transportministeriet

Millioner til grønne lastbiler

Aftalepartierne bag Grøn Fond har besluttet at udmønte 75 millioner kroner til indkøb af el- og brintlastbiler og etablering af hjemmeladere hos vognmandsforretningerne.

29. maj 2024

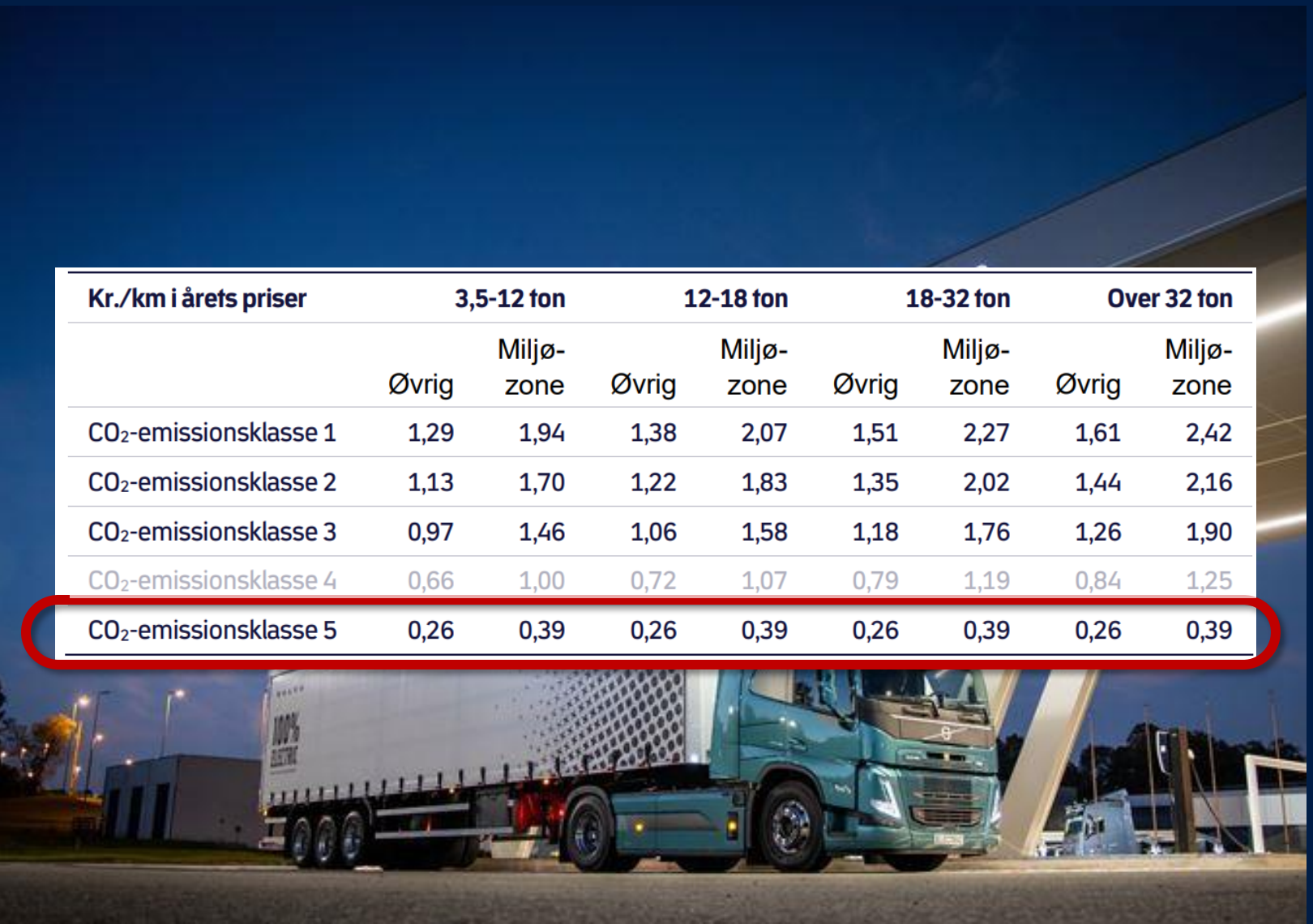
Foto: Jens Gender/Vejdirektoratet

Additional measures

- **Diesel tax raised for trucks**
  0,50 DKK/liter from 2025
- **CO_2-displacement requirement**
  for road transport fuels
  ≈ 7% biofuel in diesel
- **Longer and heavier vehicles**
  from 1. Jan-2024
- **Road pricing from 2025 for HGV**
  with a reduced price for ZE vehicles

Danish HGV kilometer based tax

- phased in 2025 - 2030



Kr./km i årets priser	3,5-12 ton		12-18 ton		18-32 ton		Over 32 ton	
	Øvrig	Miljø-zone	Øvrig	Miljø-zone	Øvrig	Miljø-zone	Øvrig	Miljø-zone
CO_2-emissionsklasse 1	1,29	1,94	1,38	2,07	1,51	2,27	1,61	2,42
CO_2-emissionsklasse 2	1,13	1,70	1,22	1,83	1,35	2,02	1,44	2,16
CO_2-emissionsklasse 3	0,97	1,46	1,06	1,58	1,18	1,76	1,26	1,90
CO_2-emissionsklasse 4	0,66	1,00	0,72	1,07	0,79	1,19	0,84	1,25
CO_2-emissionsklasse 5	0,26	0,39	0,26	0,39	0,26	0,39	0,26	0,39

- 80% reduction for ZEV
- 50% extra in environmental zones

Expected effect

- Electric truck share: 7% → 13%
- CO2-reduction: 19% (-0,3 mill. t/year)

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