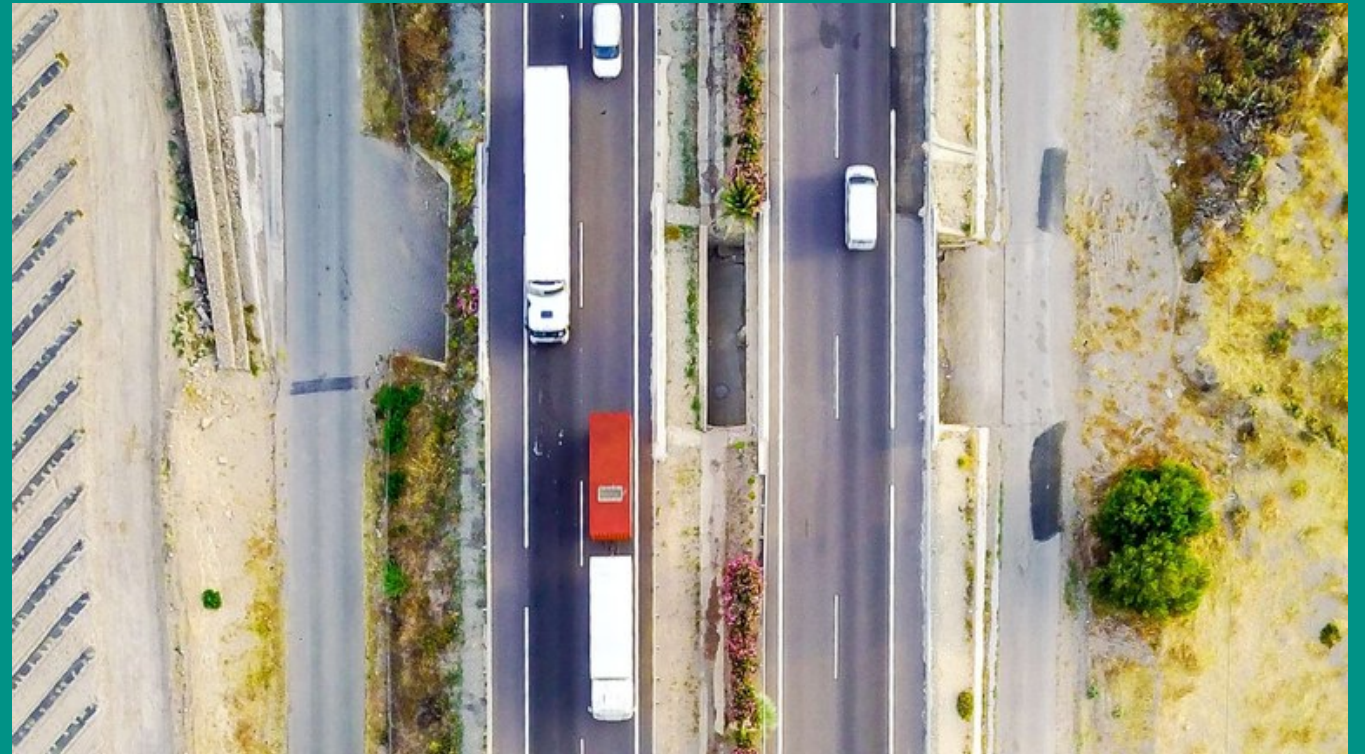


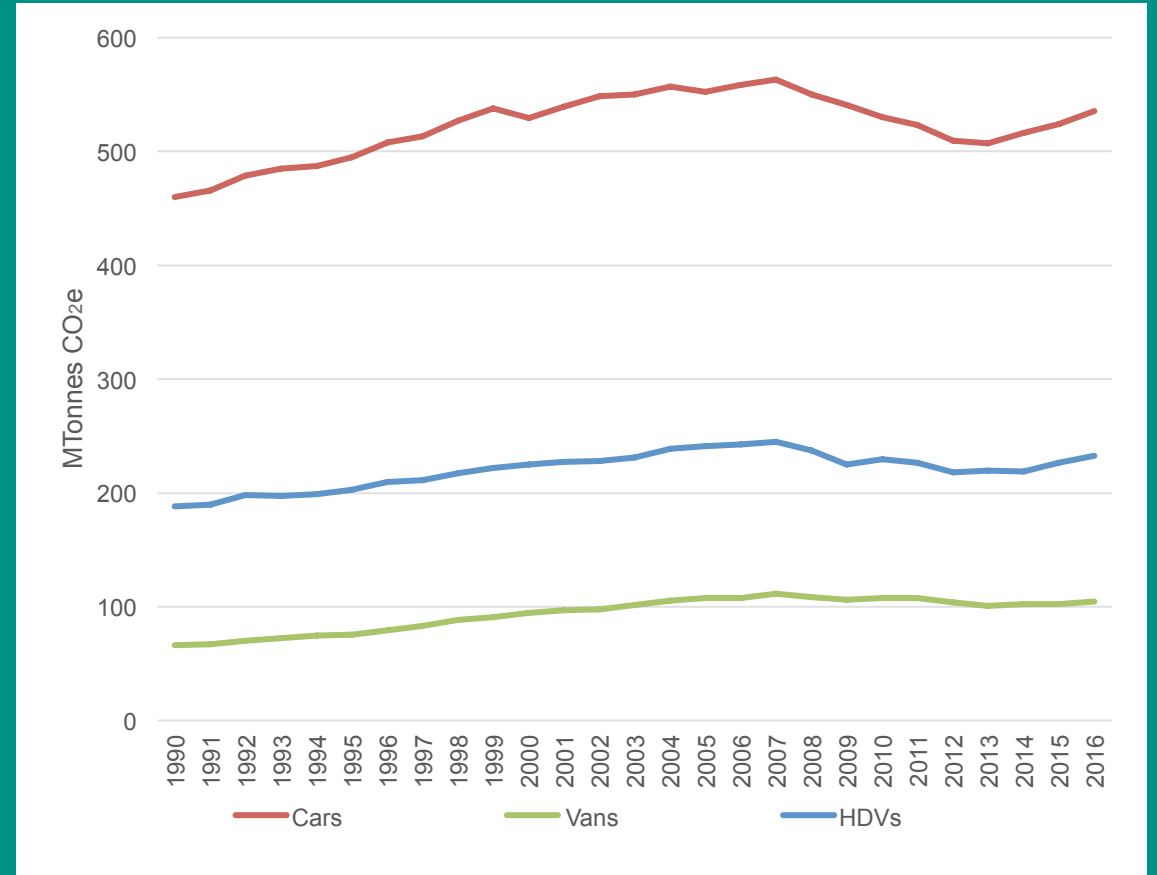
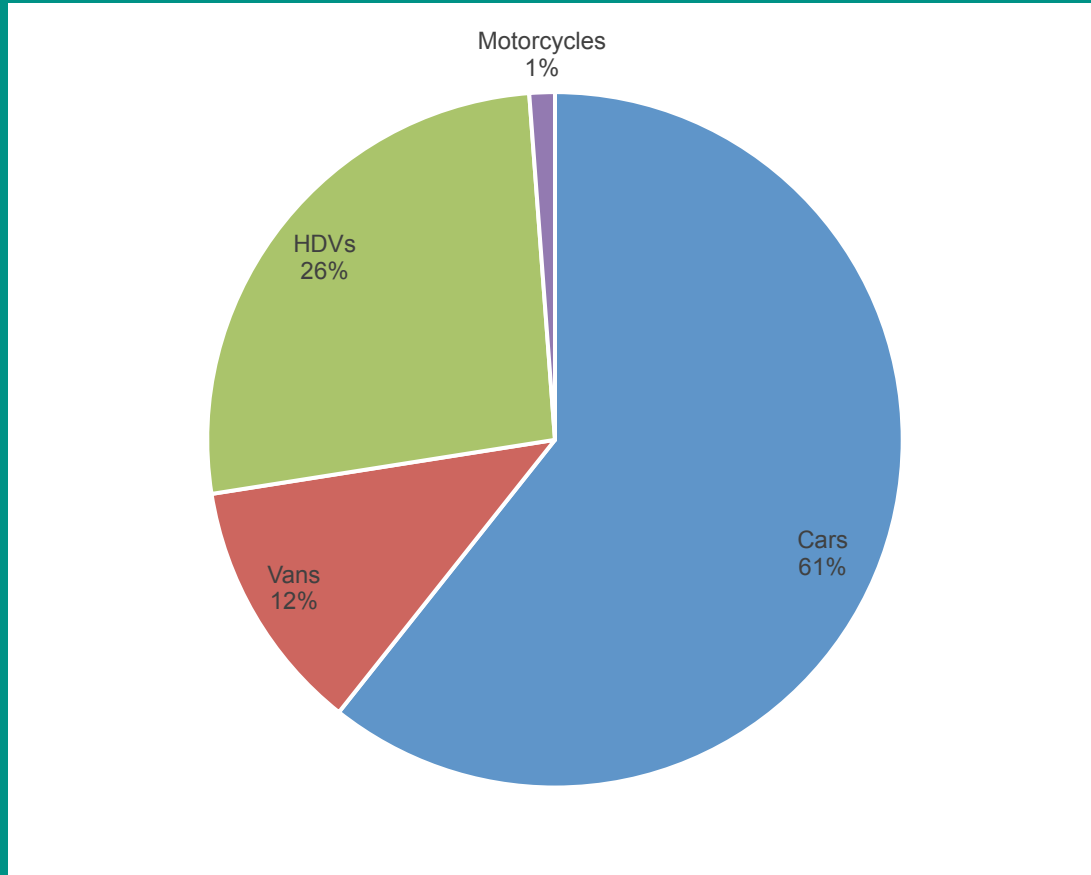
GHG emissions from road freight transport in Europe – impact of new emission regulations



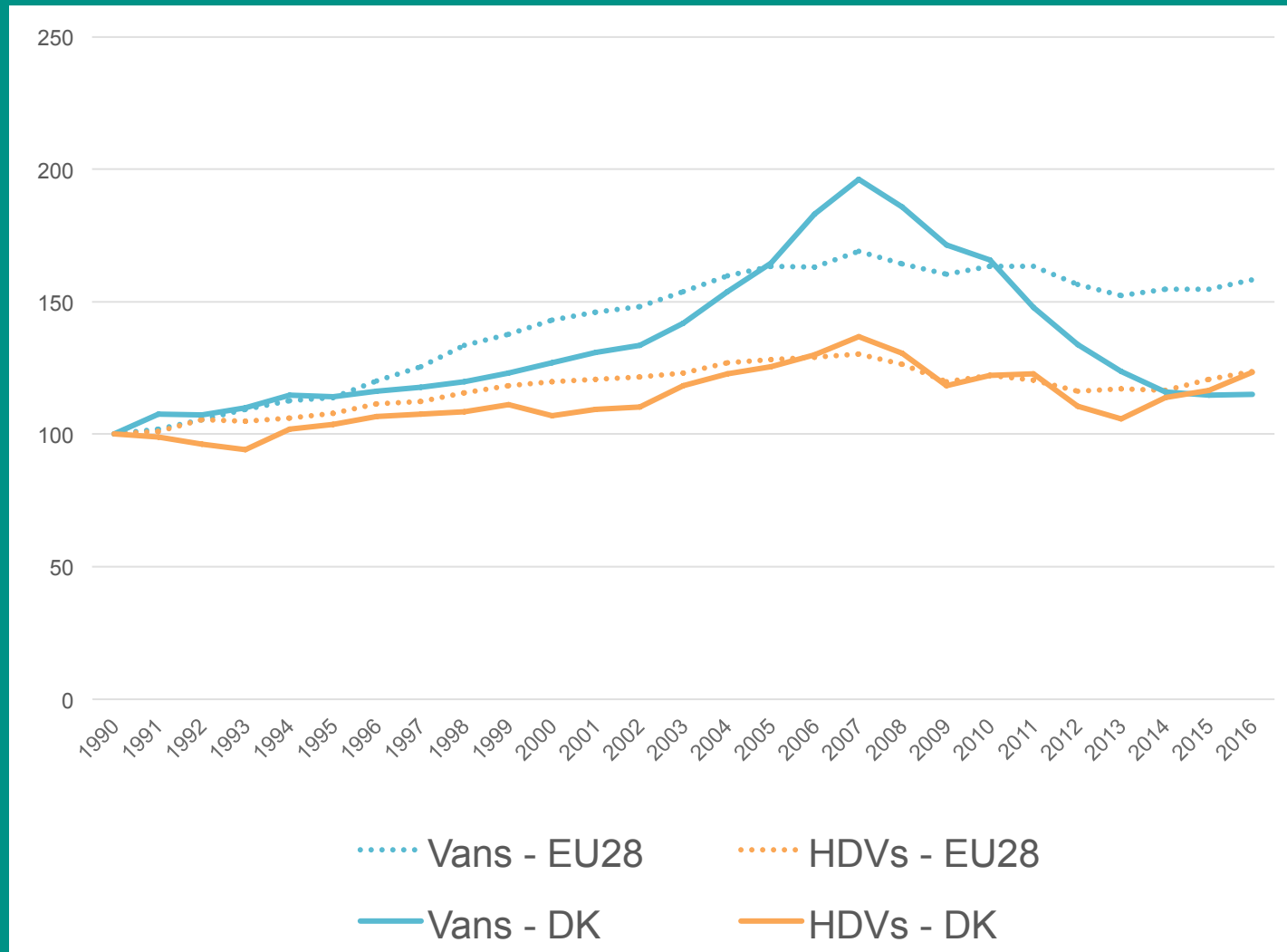
Outline

- Road freight transport – context at EU level
- EU initiatives and status
- Observed and expected results

Context – emissions from road transport



Context – emissions from road transport



Vans (LCVs)

- Maximum mass not exceeding 3.5t
- 2.5% of all EU CO₂ emissions
- Monitoring and reporting at EU level since 2012
- Targets set in 2011 (for 2017)

HDVs

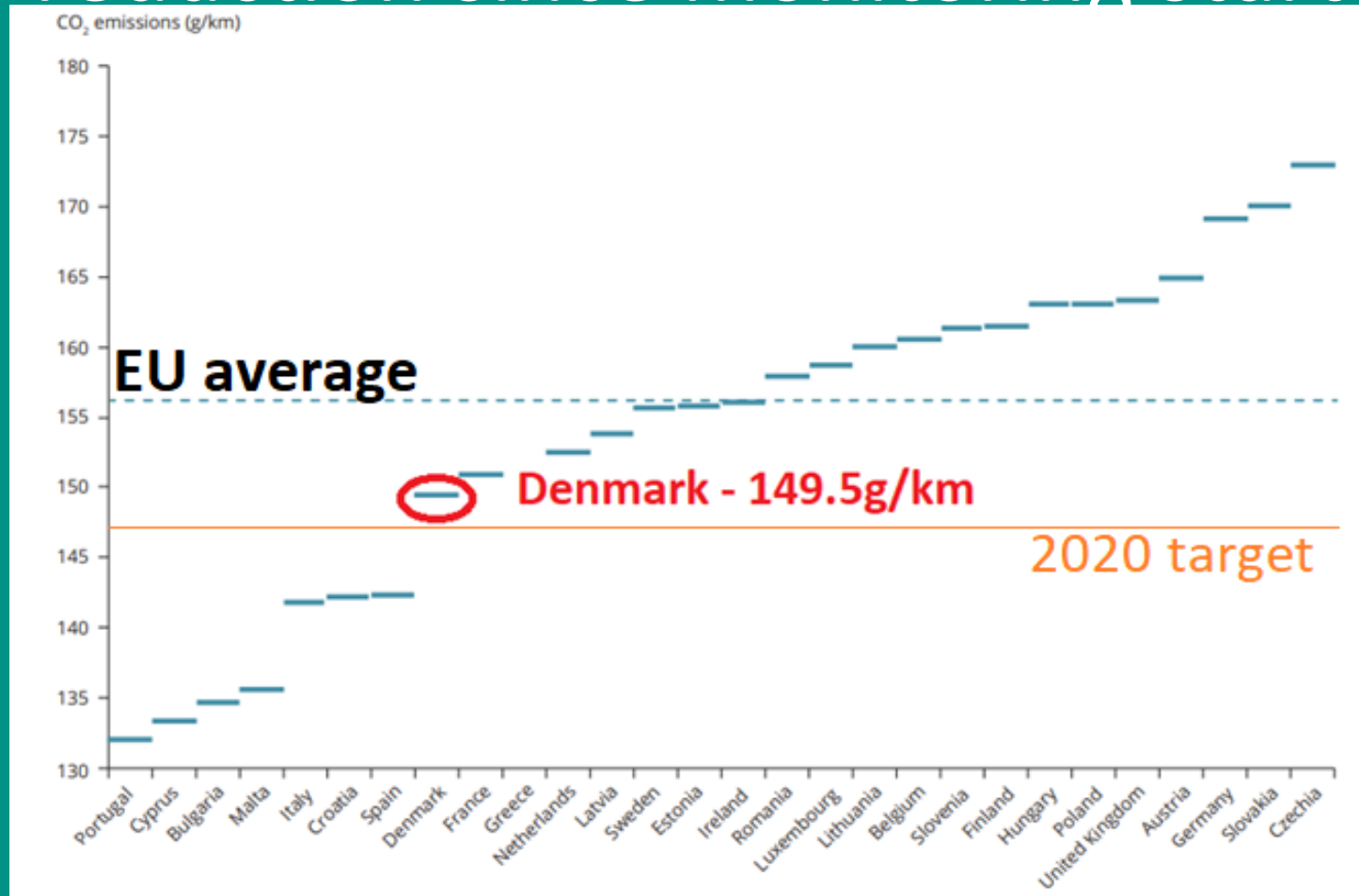
- Maximum mass above 3.5t
- 5% of all EU CO₂ emissions (including buses and coaches)
- Monitoring and reporting at EU level starting this year
 - For some types of HDVs
- Targets to be set in 2019 (for 2025)

Vans (light commercial vehicles) - legislation

- Emission standards legislation adopted in 2011
 - Target for 2017: 175gCO₂/km
 - Target for 2020: 147gCO₂/km
- Proposal: Post-2020 targets:
 - 2025: 15% lower compared to 2021
 - 2030: 30% lower compared to 2021
- Reporting since 2012, hence, there is data

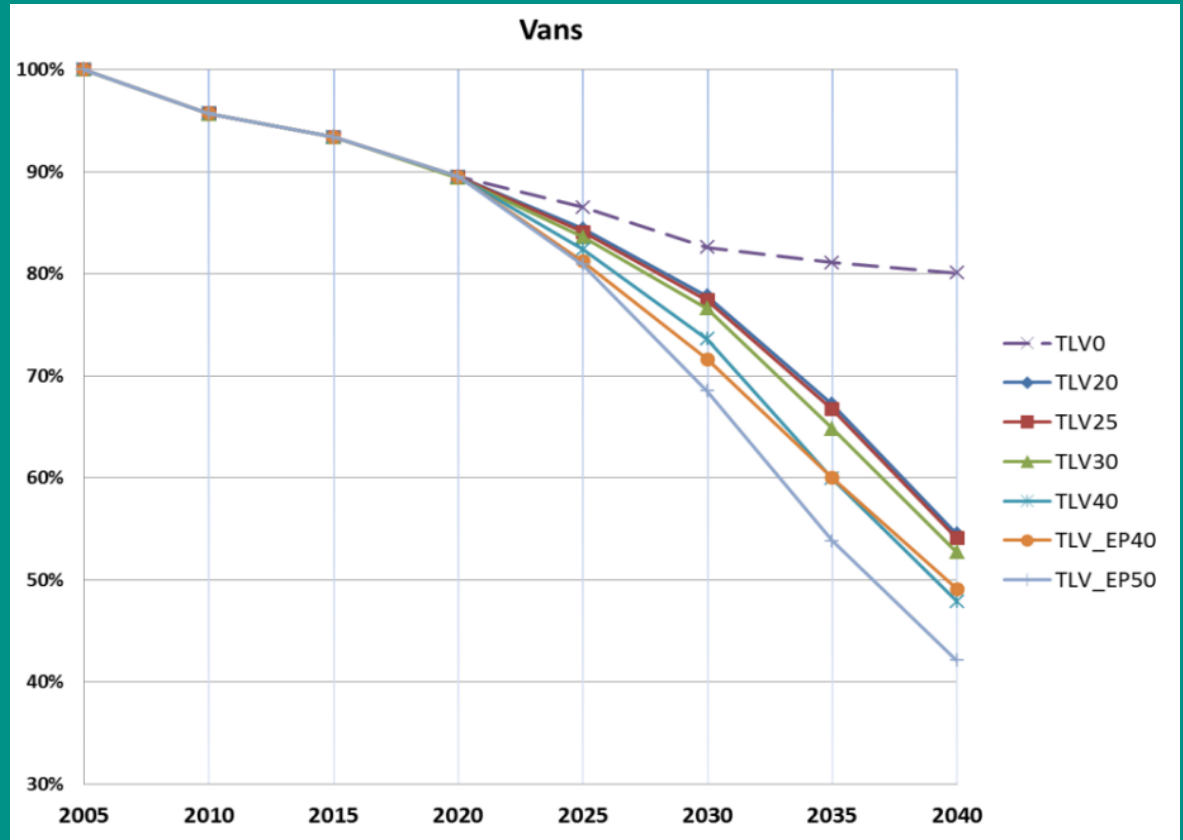
Vans – status

- 2017 average: 156.1gCO₂/km (EU-28), around 13% reduction since monitoring started in 2012



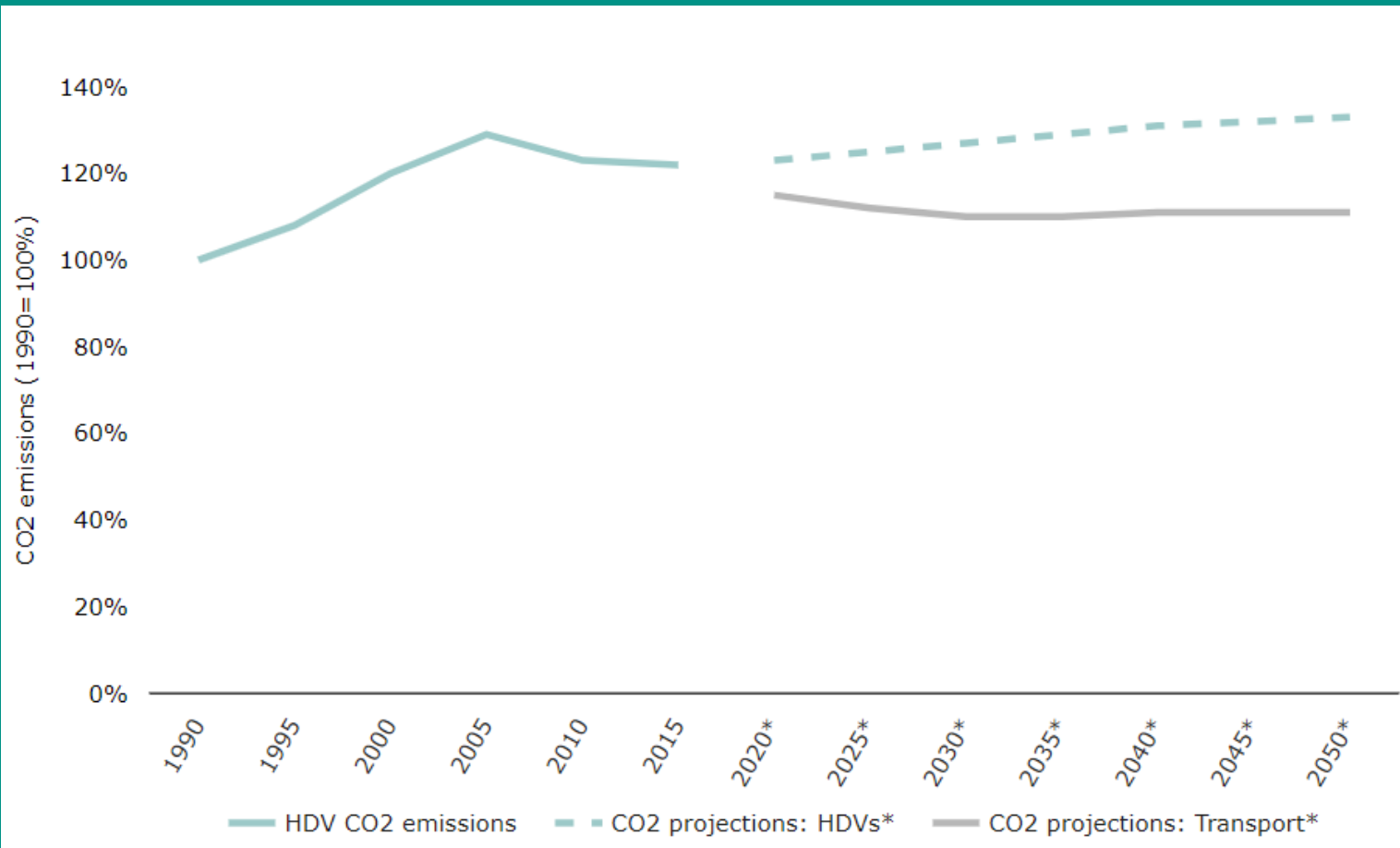
Expected results with new regulations

- New vans
 - Scenario with targets 30% in 2030 and 15% in 2025 (decrease vs 2021)
 - Ca. 225Mt CO₂ savings
 - 2020-2040
- Effects
 - Overall fleet change gradual
 - Other benefits
 - Air quality
 - Lower fuel costs



Source: Impact Assessment (emission performance standards)
SWD(2017) 650 final

HDFVs - Context



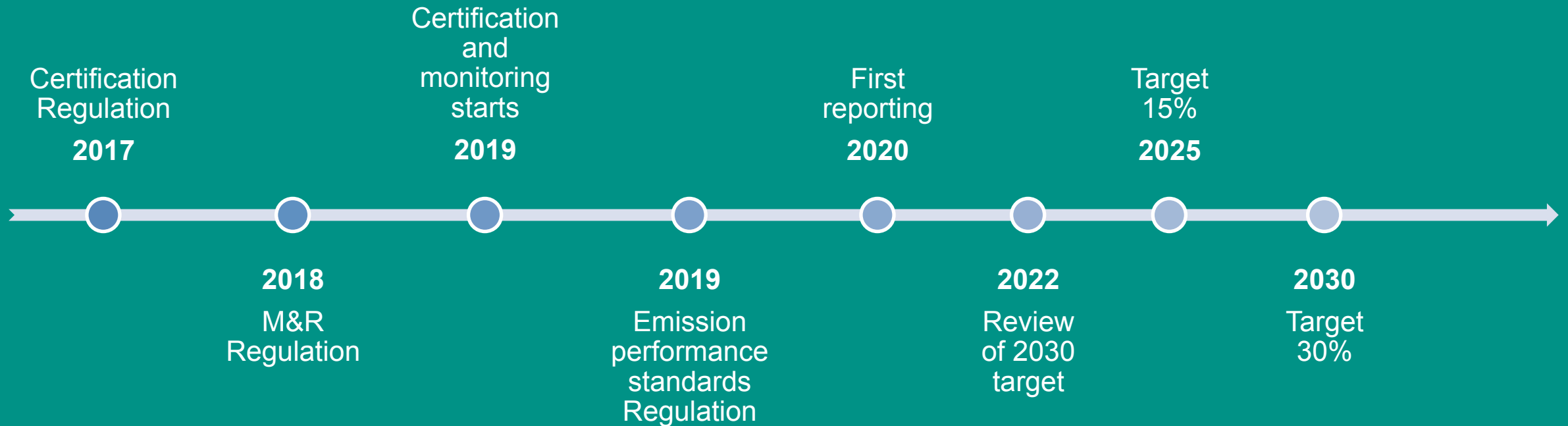
- Situation

- HDV a growing source of CO₂
- missed fuel savings
- loss of EU competitiveness

- Drivers

- Increasing freight activity
- Low uptake of fuel-saving tech (market failures)
- Limited use of ZEV, LEV

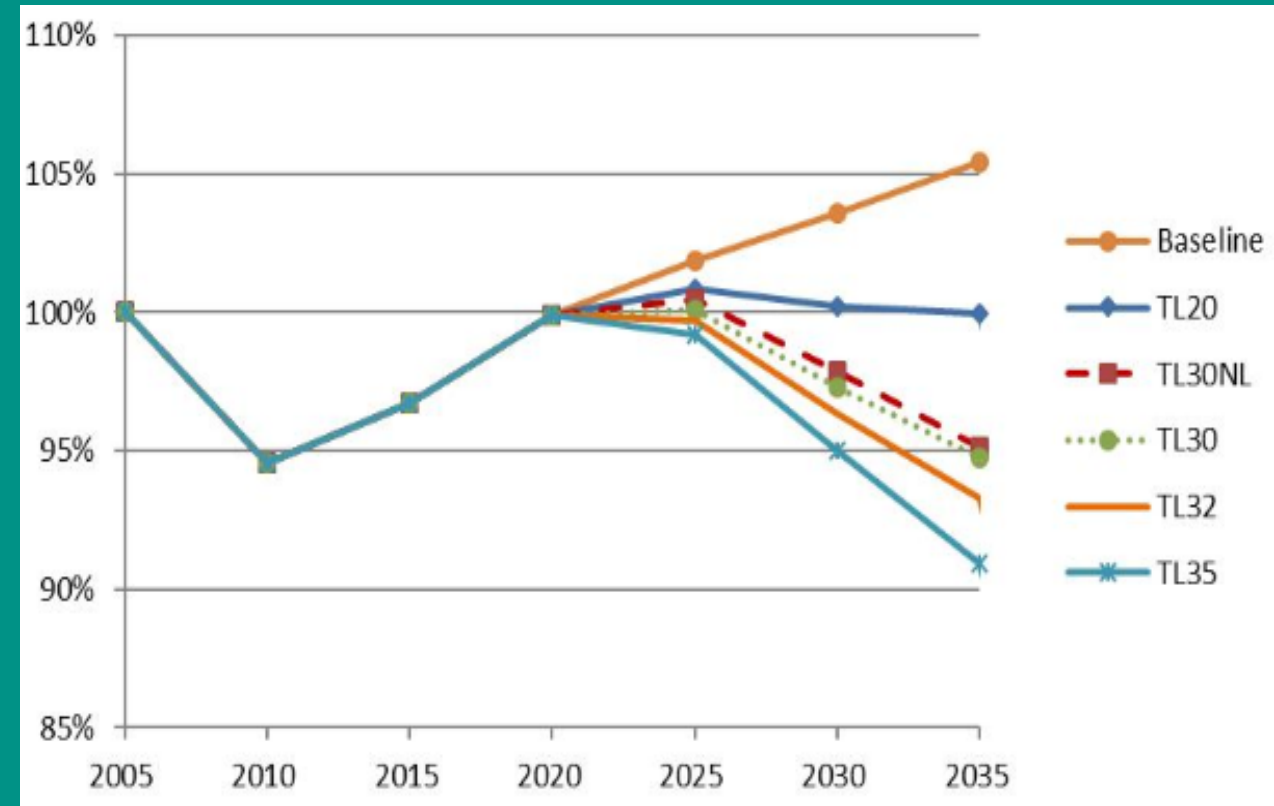
HDVs - legislation



- Current scope: large lorries (max mass above 7.5t)
- Simulation software (VECTO)

Expected results with new regulations

- New HDVs:
 - ca. 150Mt CO₂ savings
 - 2020-2035
- Assumptions
 - Technologies on the market (2025)
 - Additional technologies for 2030 target
- Alternative fuels
 - Infrastructure
 - Super credits (ZEV and LEV HDV)



Thank you