

THE ROLE OF TRANSPORT DECARBONIZATION IN THE EFFORT SHARING REGULATION



European Parliament

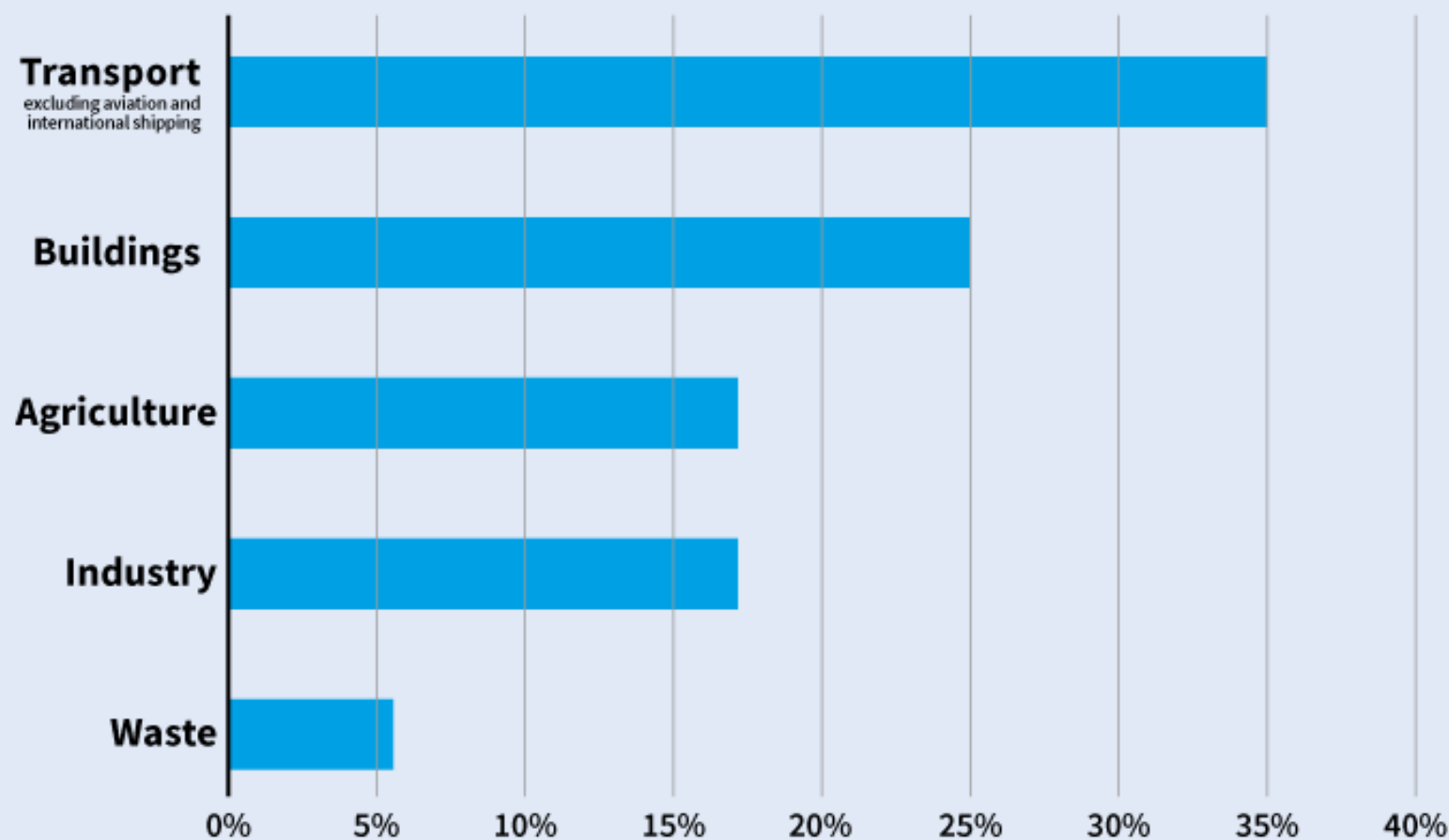
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Transport: the biggest non-ETS sector

Greenhouse gas emissions from sectors outside the ETS (ESD) 2016





A strong ESR will translate into a continent with:



cleaner vehicles



less congestion



super energy-efficient houses



lower energy bills



more sustainable farming



more jobs through
future-oriented industries

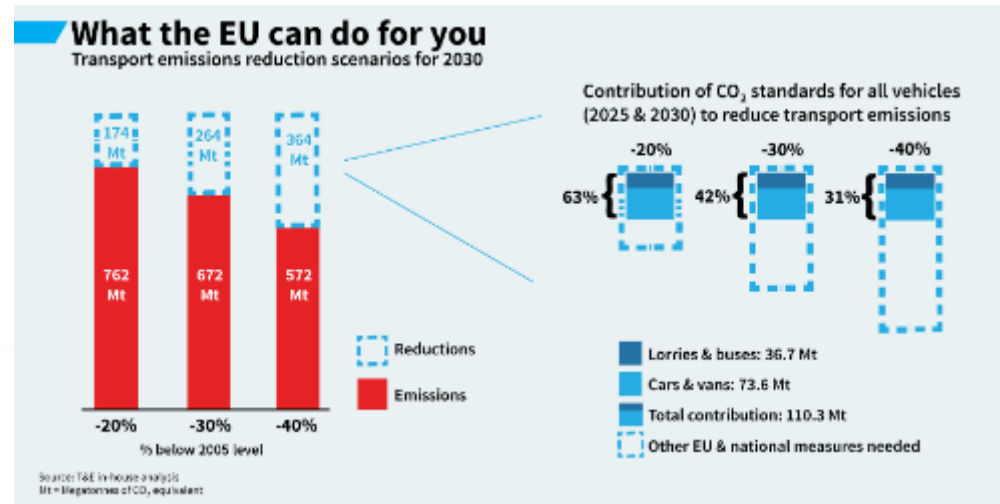
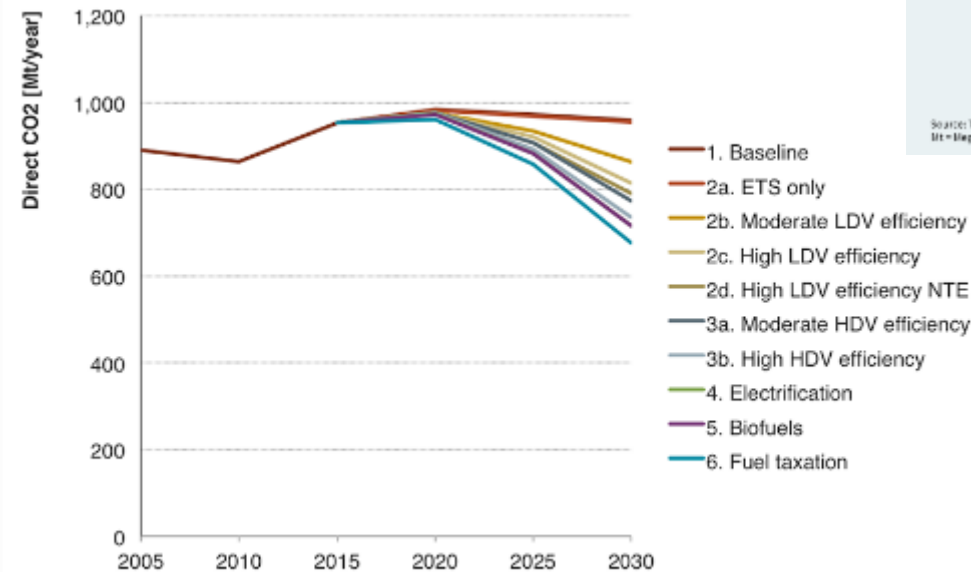
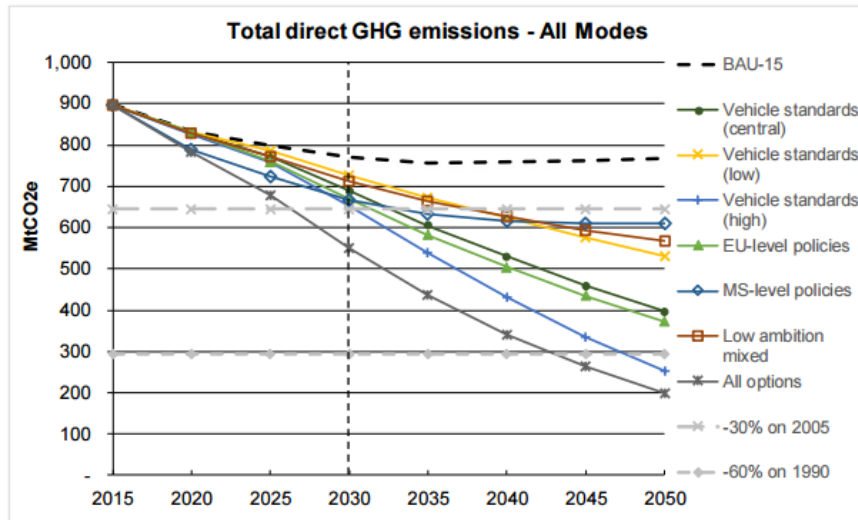


major opportunity to save billions on oil and gas imports
and safeguard the old continent's energy security

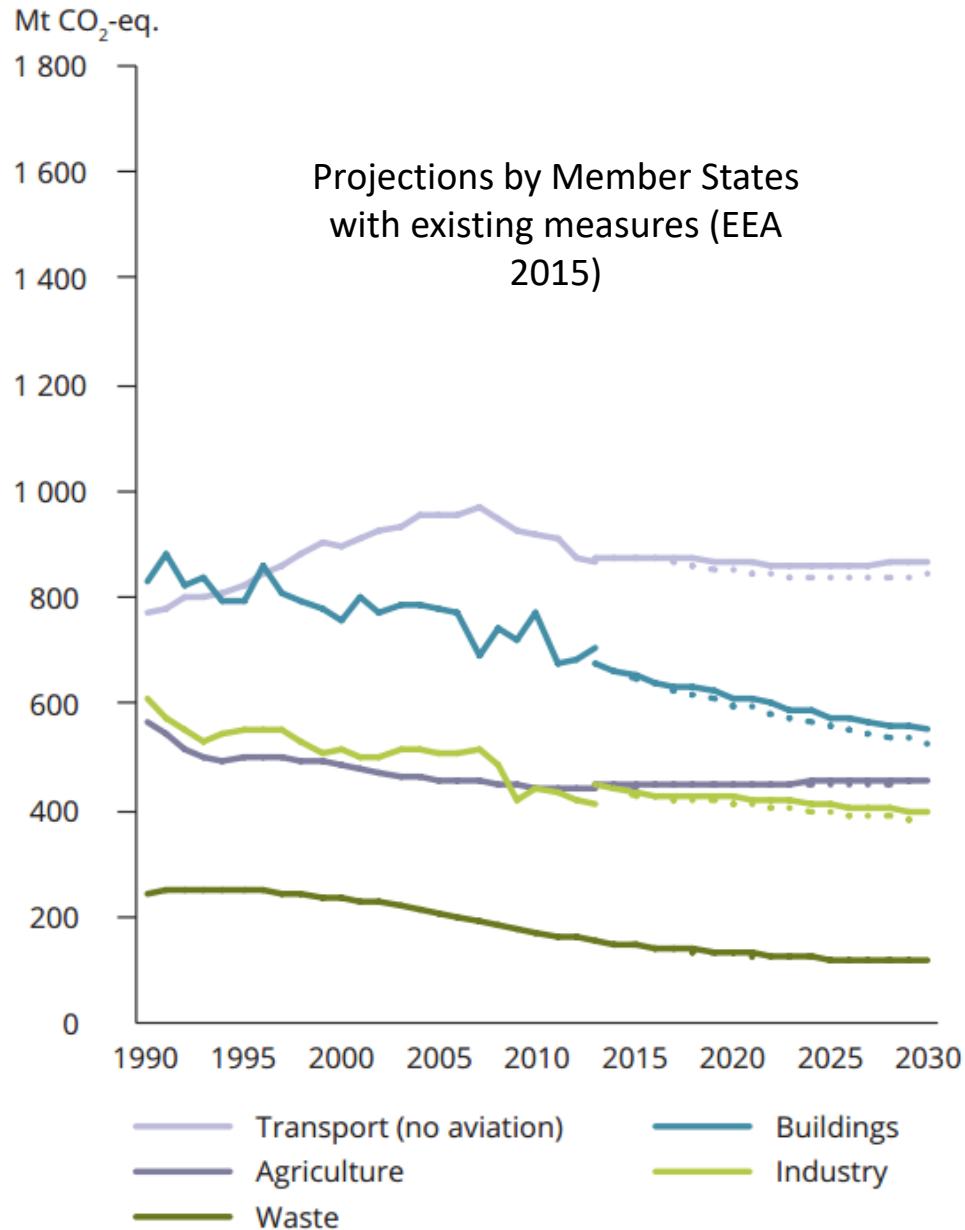
This isn't just about climate policy but also about smart economic policy, security, innovation and quality of life improvement

EU MEASURES DELIVER...

Figure 3.5: Timeseries trajectory for direct GHG emissions for various scenario packages in comparison to the baseline scenario (BAU-15)



... BUT ACTION NEEDED



CARS AND VANS: 70g by 2025

**THE ESR -30%
TARGET**

**POLITICAL
MOMENTUM, 2030
TOO LATE**

**LESS OIL,
MORE JOBS**

**LOW CARBON
CARS**

**SUPPORTS
ELECTRIFICATION**



**ACHIEVABLE &
COST-EFFECTIVE**

**INVESTMENT
SECURITY**

**REVERSE LOSS
OF INNOVATION**

TRUCKS: STANDARDS by 2018

POTENTIAL STRATEGIES FOR CURTAILING
40% GREENHOUSE GASES

**THE ESR -30%
TARGET**

TRAILER AERODYNAMICS

- Side skirts

DRIVELINE

- Axle efficiency
- Transmission efficiency
- Engine transmission integration
- Down speeding
- Direct drive
- Predictive cruise control

TRACTOR AERODYNAMICS

- Roof deflectors
- Side fenders
- Aerodynamic mirrors

**MORE SAVINGS,
CHEAPER**

ENGINES

- Engine friction reduction
- Accessories electrification
- Combustion optimization

**PRIORITISE
CO2 FOR OEMs**

**(BIG) BUSINESS
SUPPORT**

TRAILER TIRES

TRACTOR TIRES

HYBRID

- Auto
- Low

EU VS. USA

**CREATES A
MARKET**

THESE IMPROVEMENTS SAVE 11,88€ & 13,2 LITRES PER 100 KILOMETERS.

(* BASED ON ICCT PRELIMINARY RESULTS)

**LESS OIL, BETTER
ECONOMY**