



Pathways to Low Carbon Transport in the EU

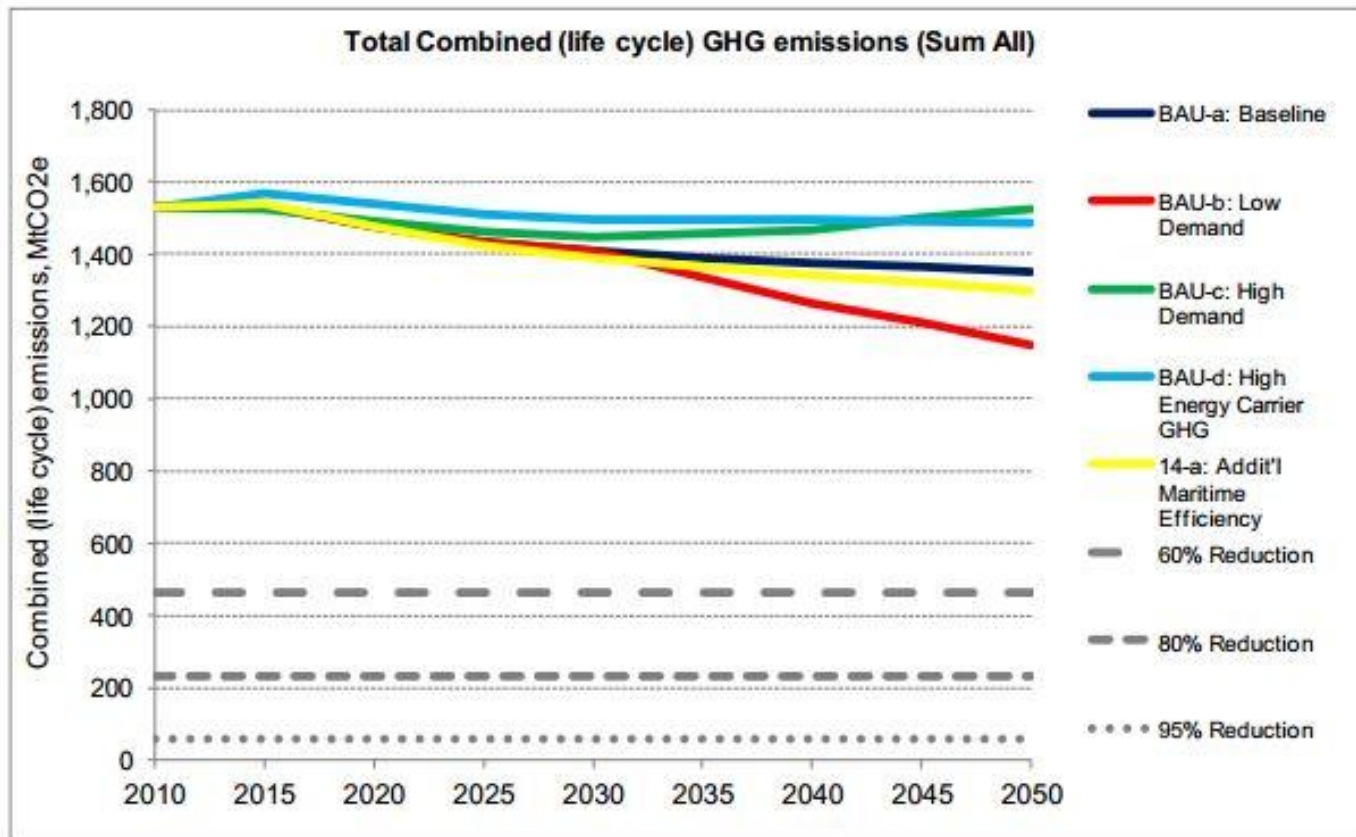
Arie Bleijenberg

TNO

Chairman of the CEPS Task Force

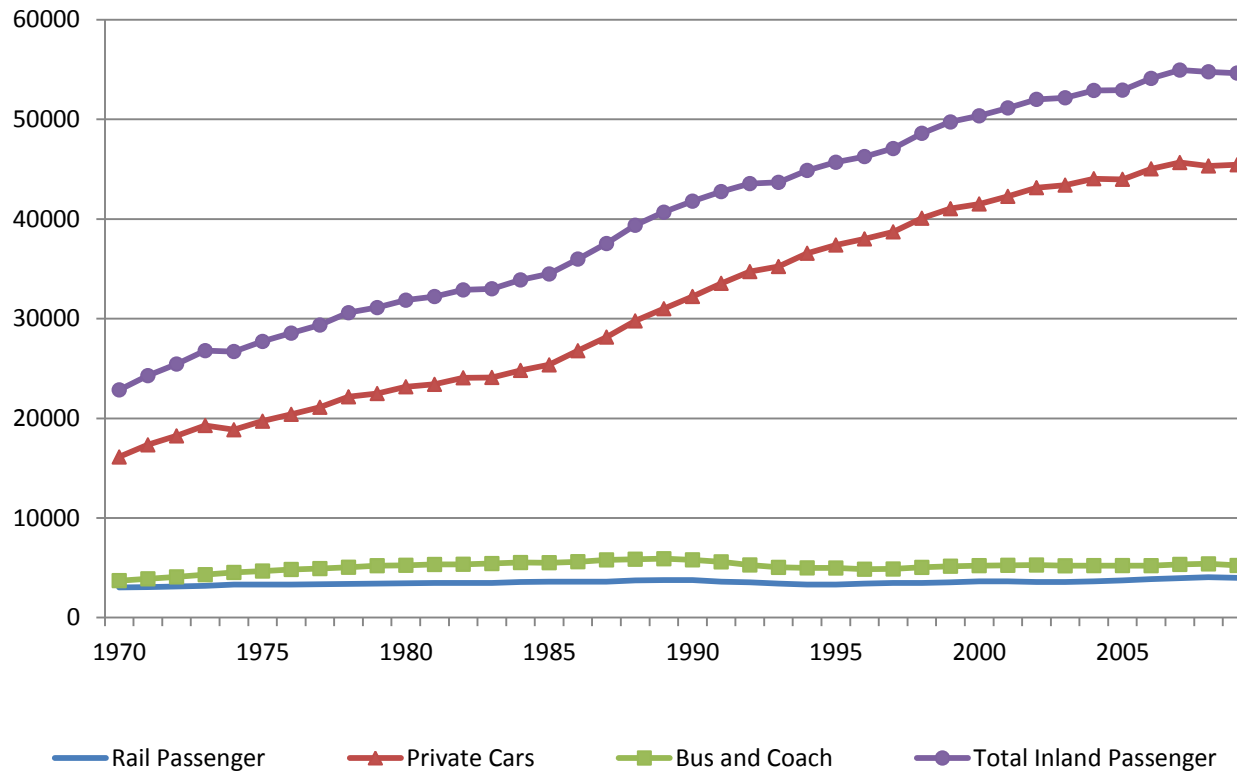
CEPS, Brussels 24 June 2013

Transport CO₂ projections for 2050



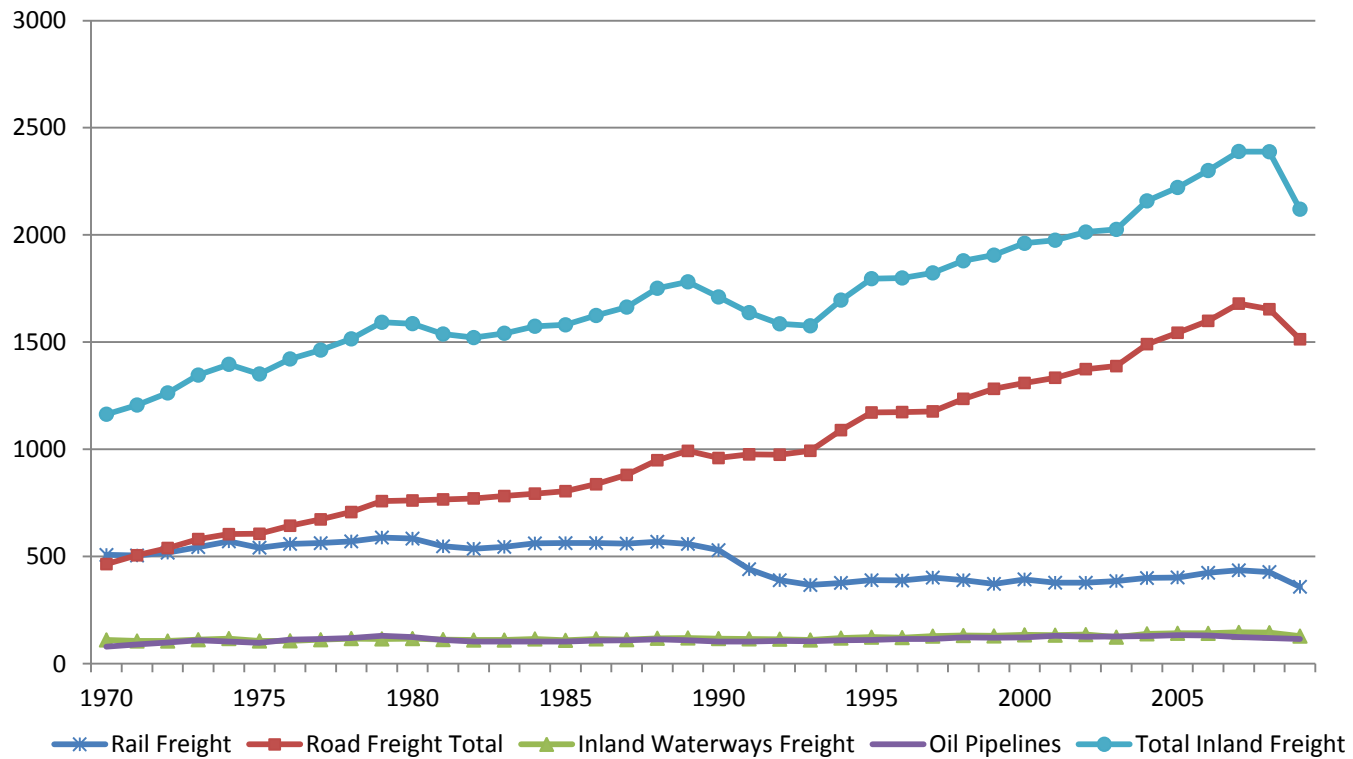
Source: Skinner et al, EU Transport GHG: Routes to 2050? European Commission and AEA Technology

Passenger transport 1970 - 2009



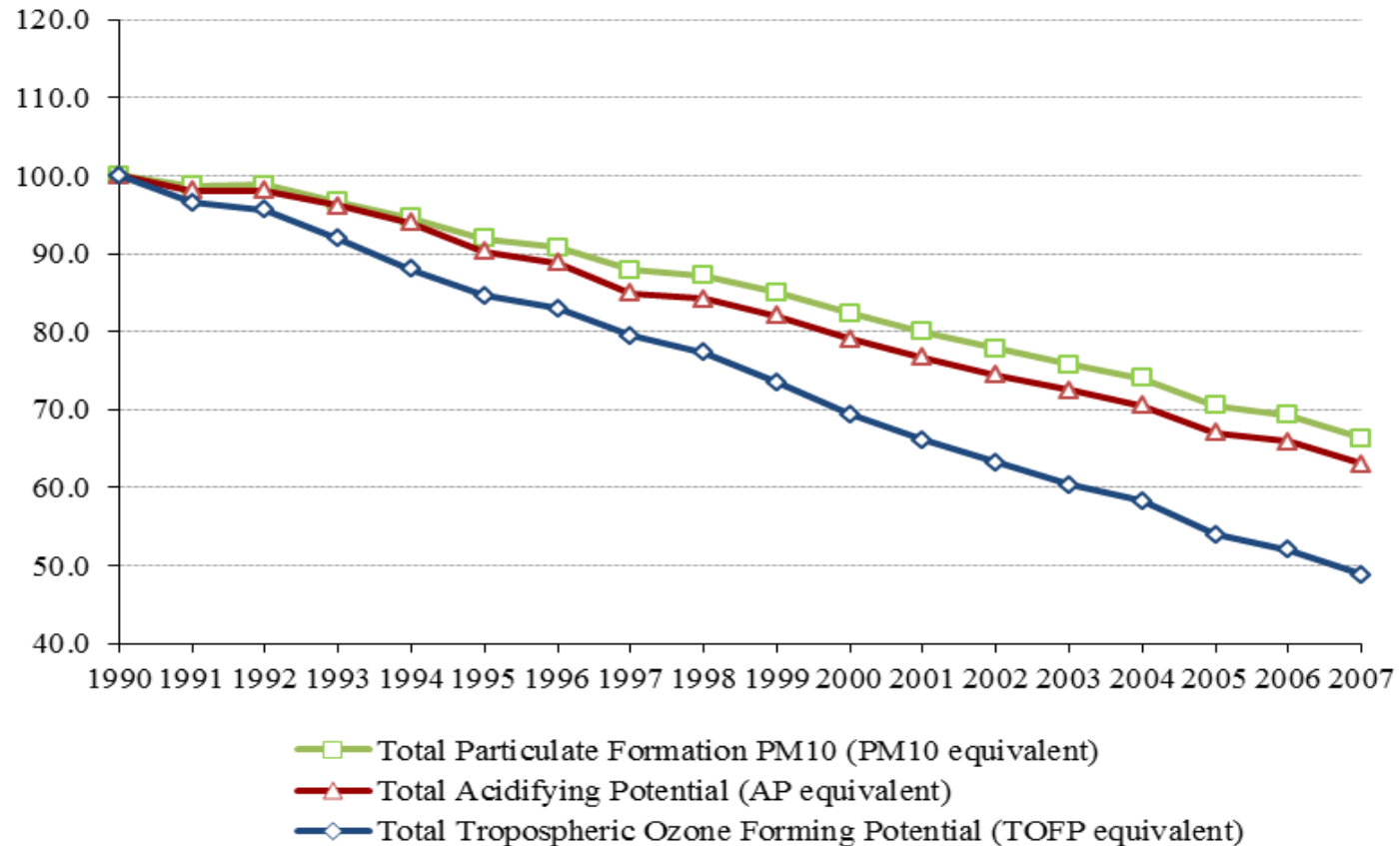
Source: Task Force Report

Freight transport 1970 - 2009



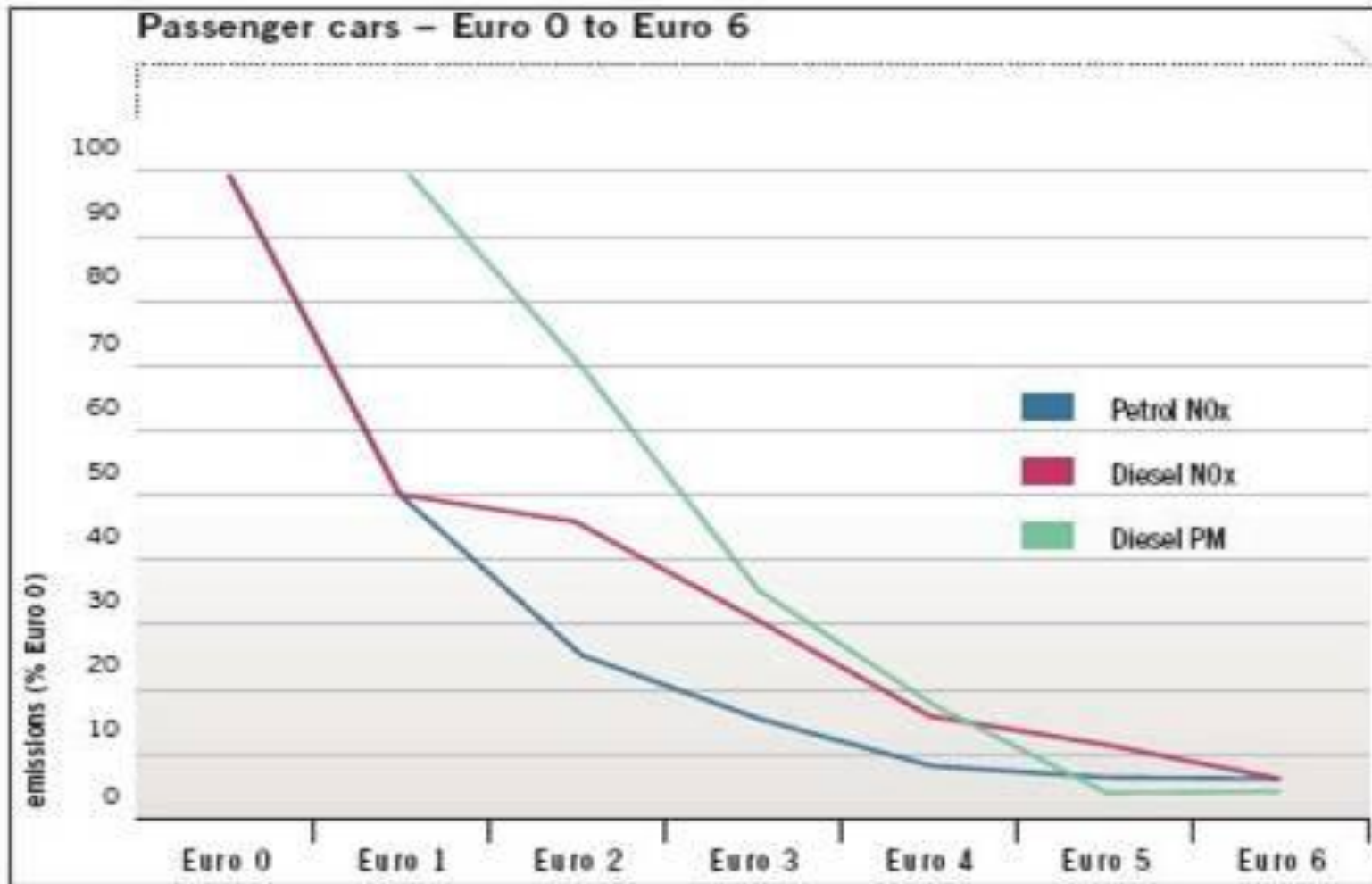
Source: Task Force Report

Air pollution from transport



Source: Eurostat, European Environment Agency

Subsequent tightened Euro standards for cars

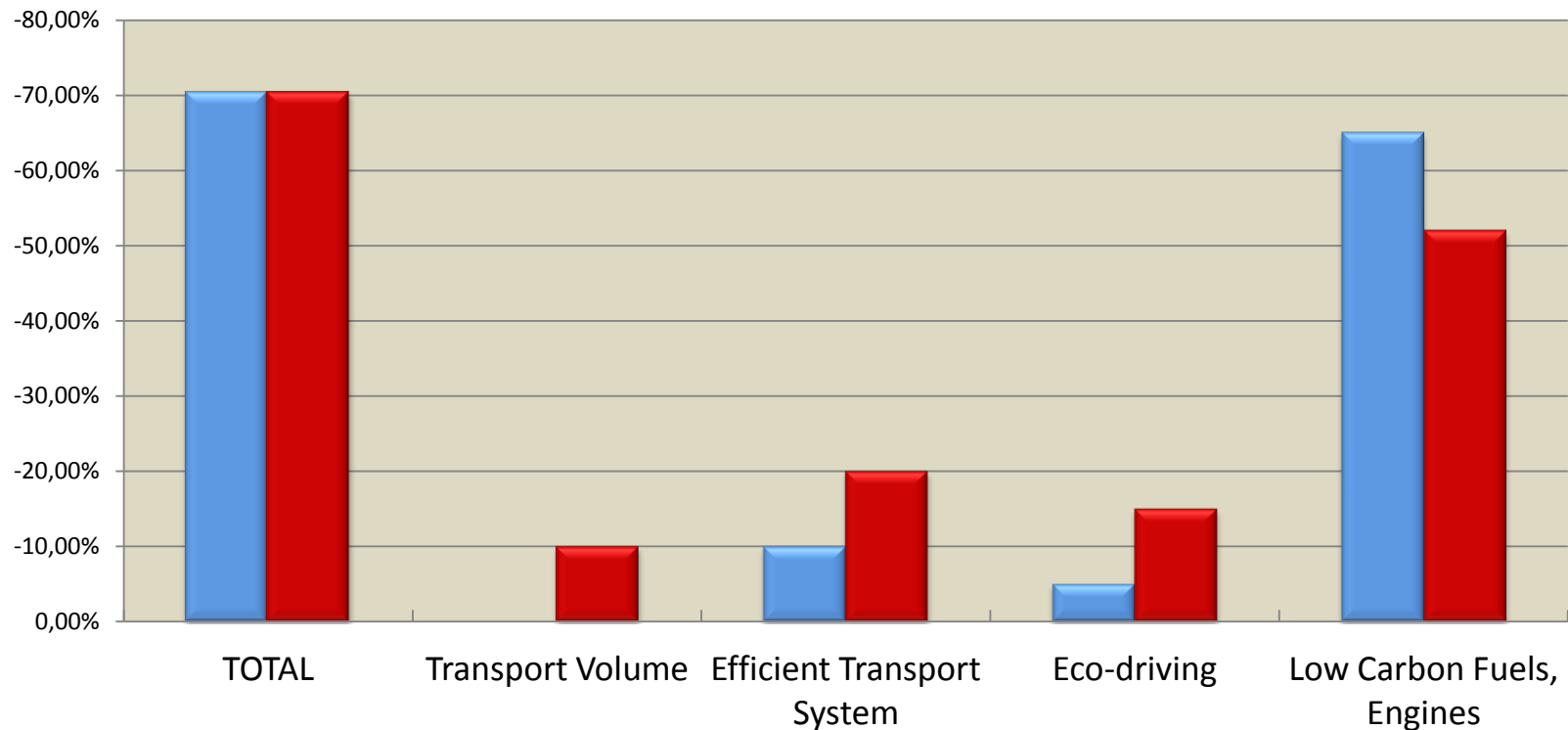


CEPS Task Force Report on Transport and Climate Change

**Participants from
car, logistics, rail and oil industries, business associations,
national and international agencies and officials, NGOs and
academic experts**

- Evidence based**
- Four meetings with discussion**

Pathways for achieving the required CO₂ reduction from transport



Source: CEPS Task Force Report

Low Carbon Technology

Policy is the key and key policy instruments are already in use:

- **Standards**
- **Fiscal and financial incentives**
- **Labels**
- **Fuel taxes**
- **Research, development en early deployment**

Low Carbon Technology

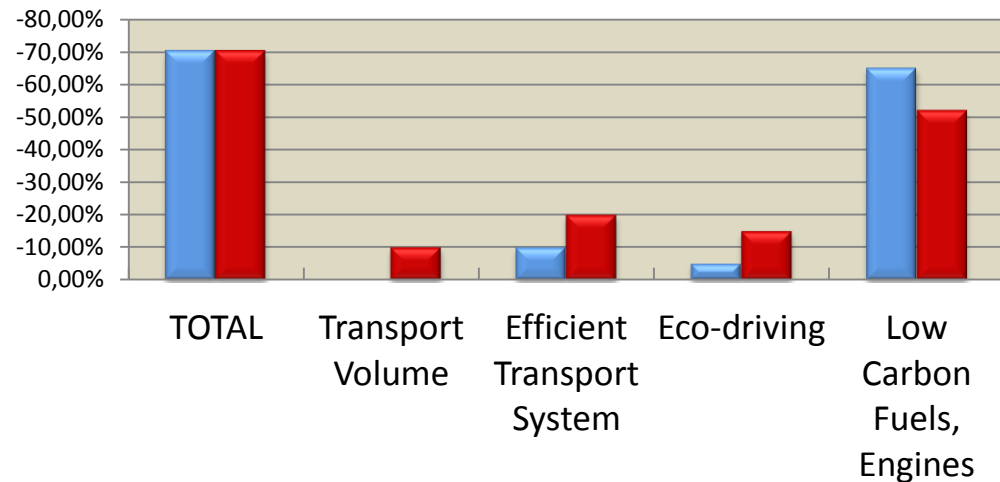
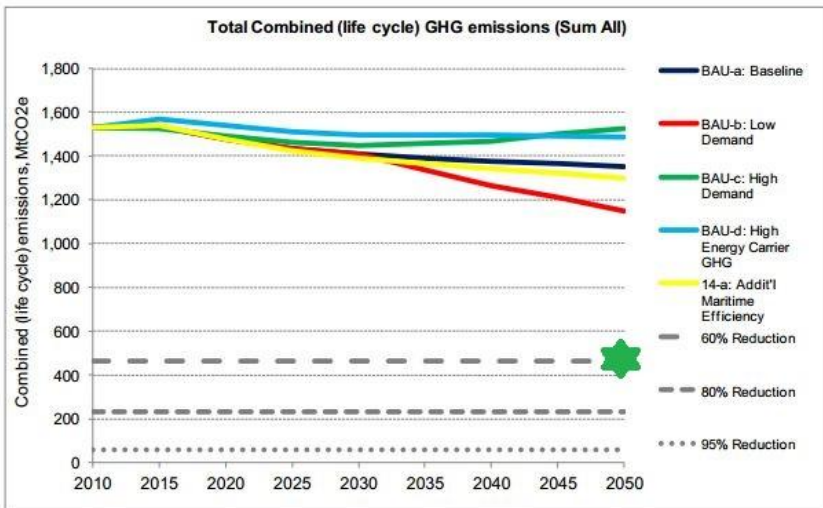
Incentives need to be:

- **Technology neutral**
- **Well-to-wheel**
- **Progressive**
- **Predictable**
- **Harmonized**

Better transport system

- **Urbanization: density and mass**
- **Eco driving**
- **Co-modality**
- **Green logistics**
- **Economic prices**
- **Supporting infrastructure policy**

60% reduction transport CO2



Action now!

- **Credibility: targets and measures**
- **Required transition period**
- **Early GHG reductions have most impact**
- **Tighten knobs of existing policy instruments**
- **15 measures to be immediately taken**