



# Pathways to Low Carbon Transport in the EU

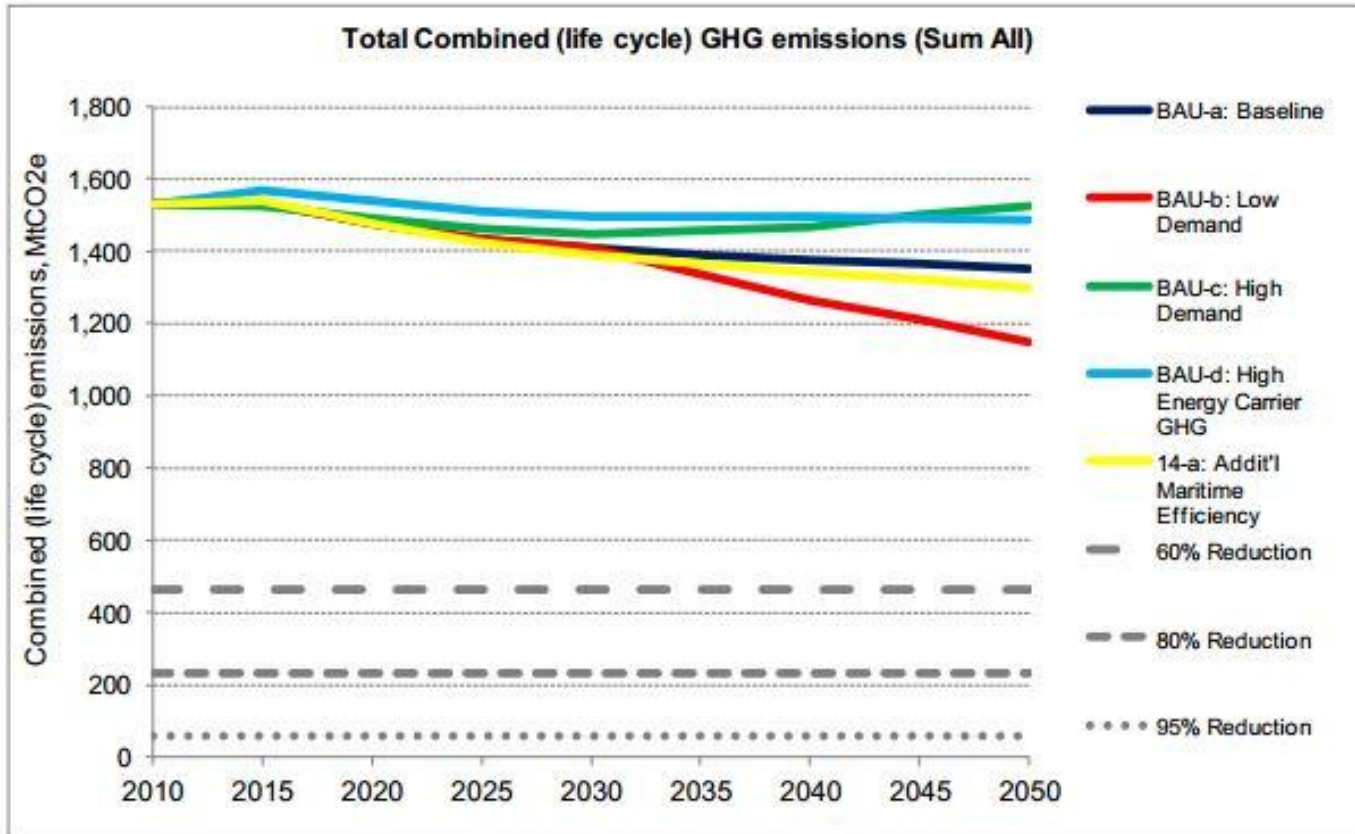
**Arie Bleijenberg**

TNO

Chairman of the CEPS Task Force

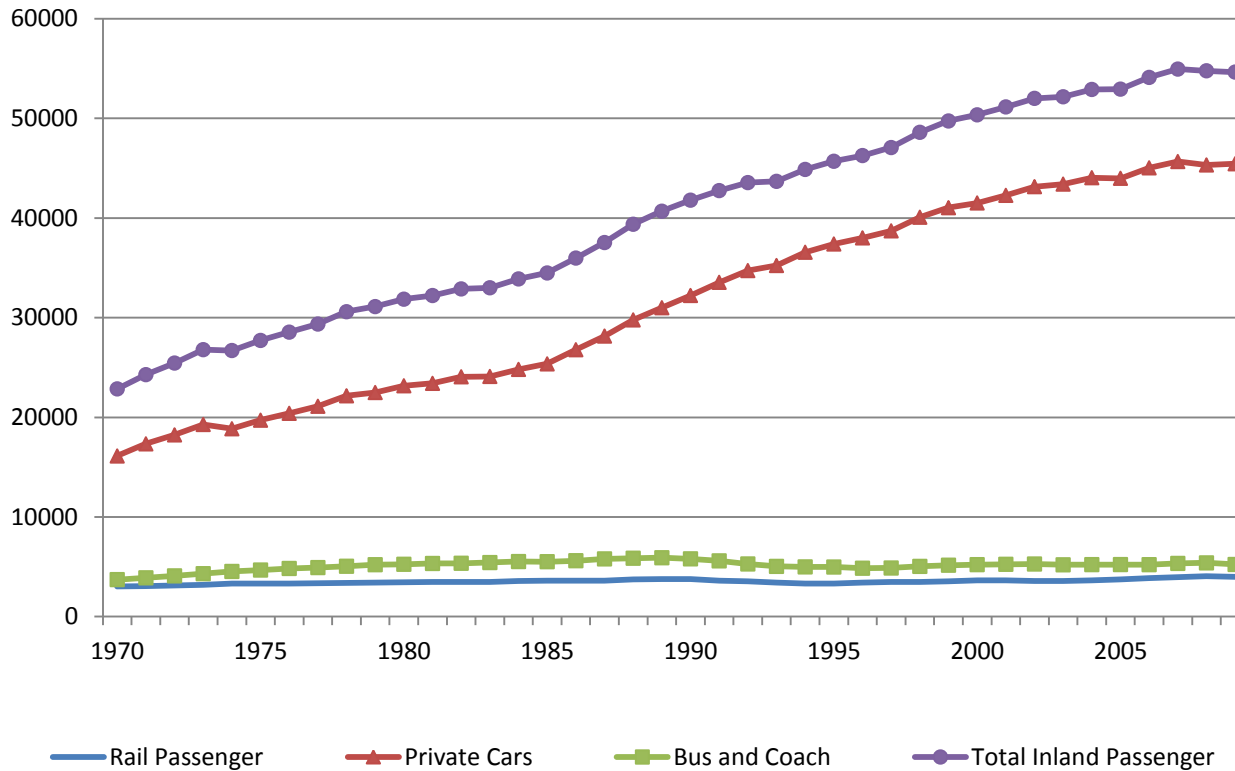
CEPS, Brussels 13 June 2013

# Transport CO<sub>2</sub> projections for 2050



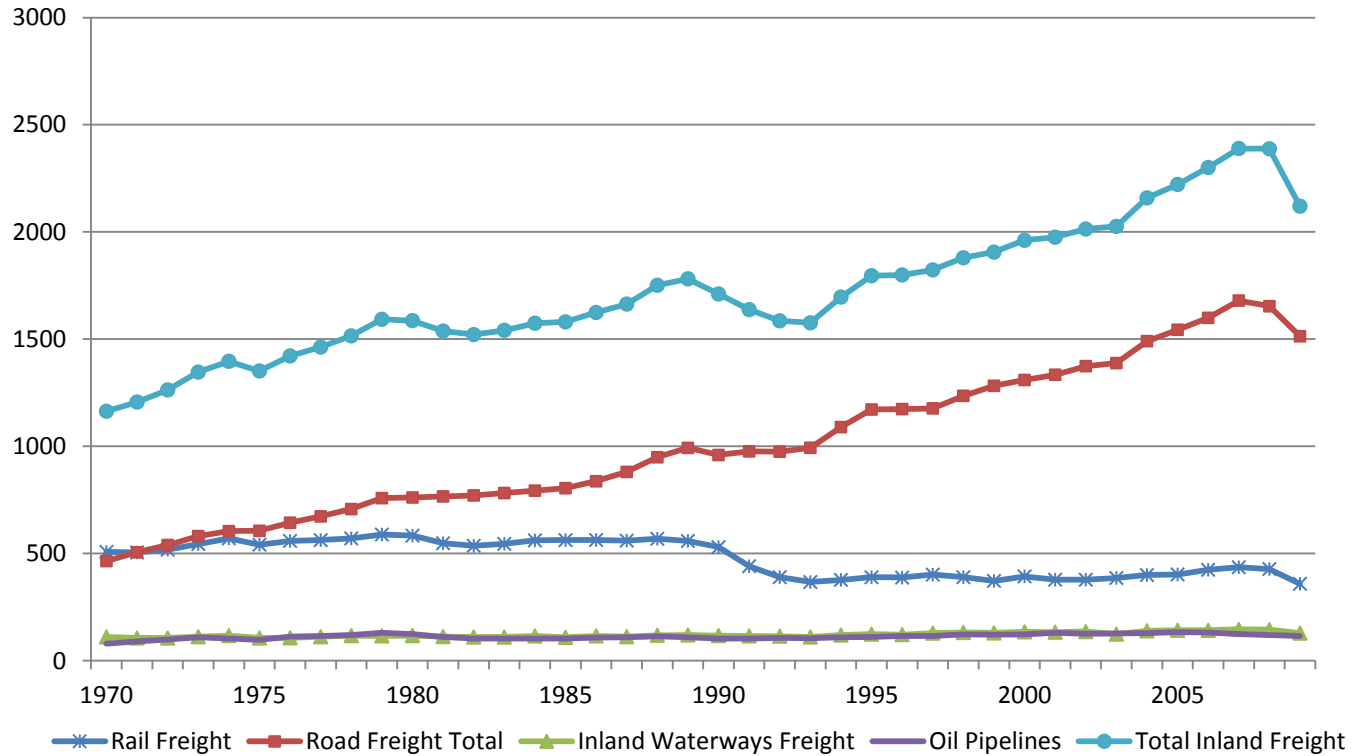
Source: Skinner et al, EU Transport GHG: Routes to 2050? European Commission and AEA Technology

# Passenger transport 1970 - 2009



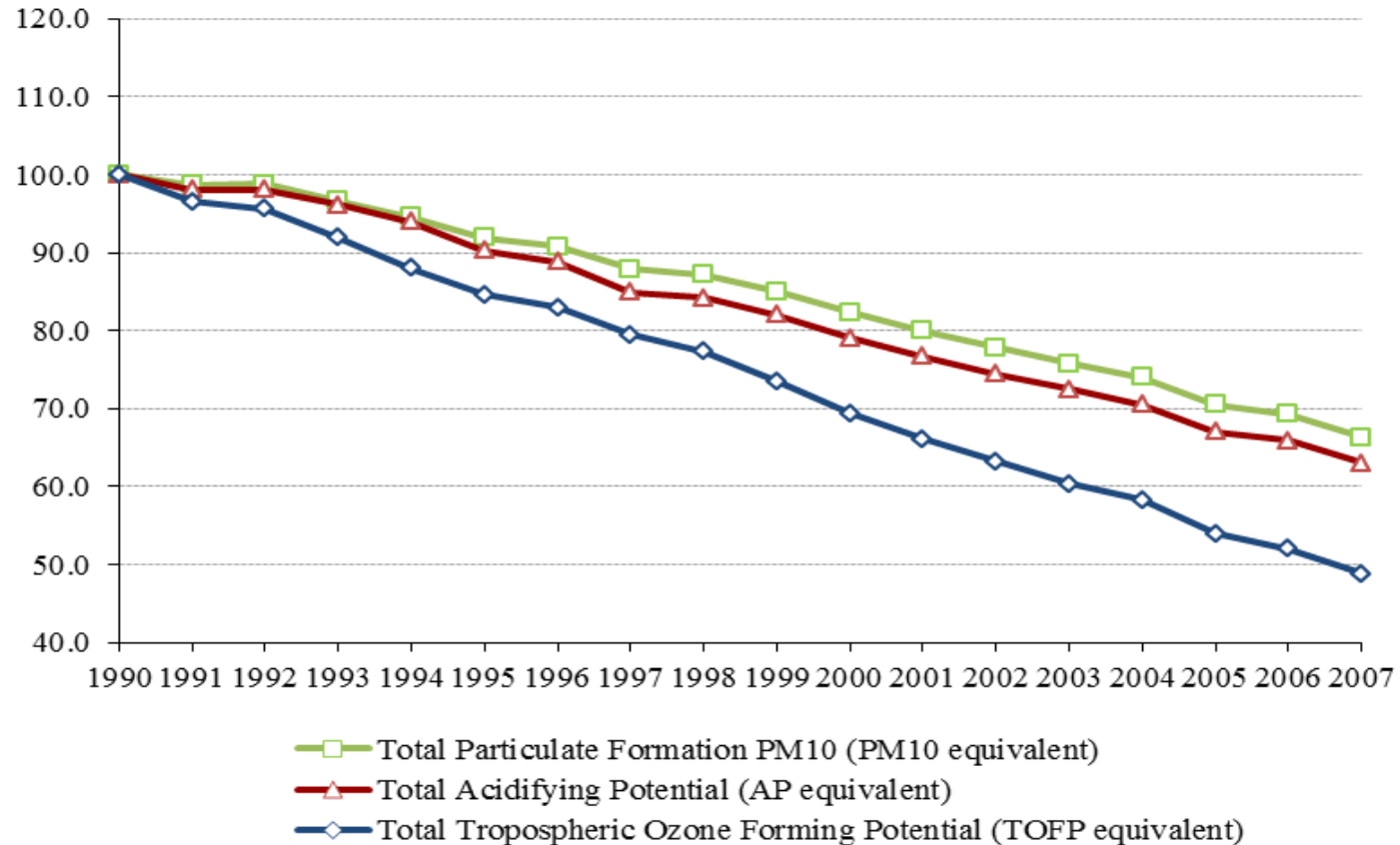
Source: Task Force Report

# Freight transport 1970 - 2009



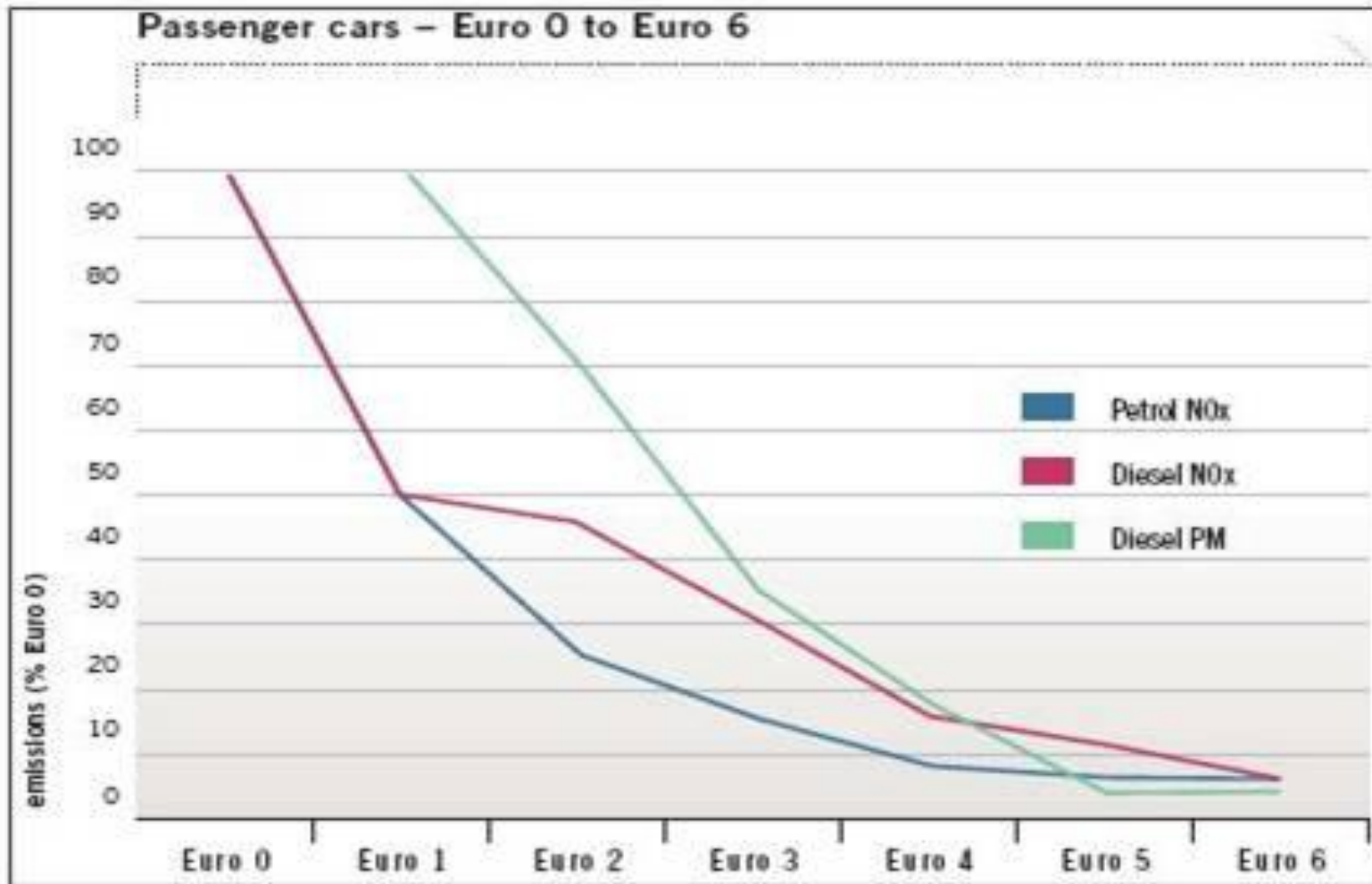
Source: Task Force Report

# Air pollution from transport



Source: Eurostat, European Environment Agency

# Subsequent tightened Euro standards for cars



# **CEPS Task Force Report on Transport and Climate Change**

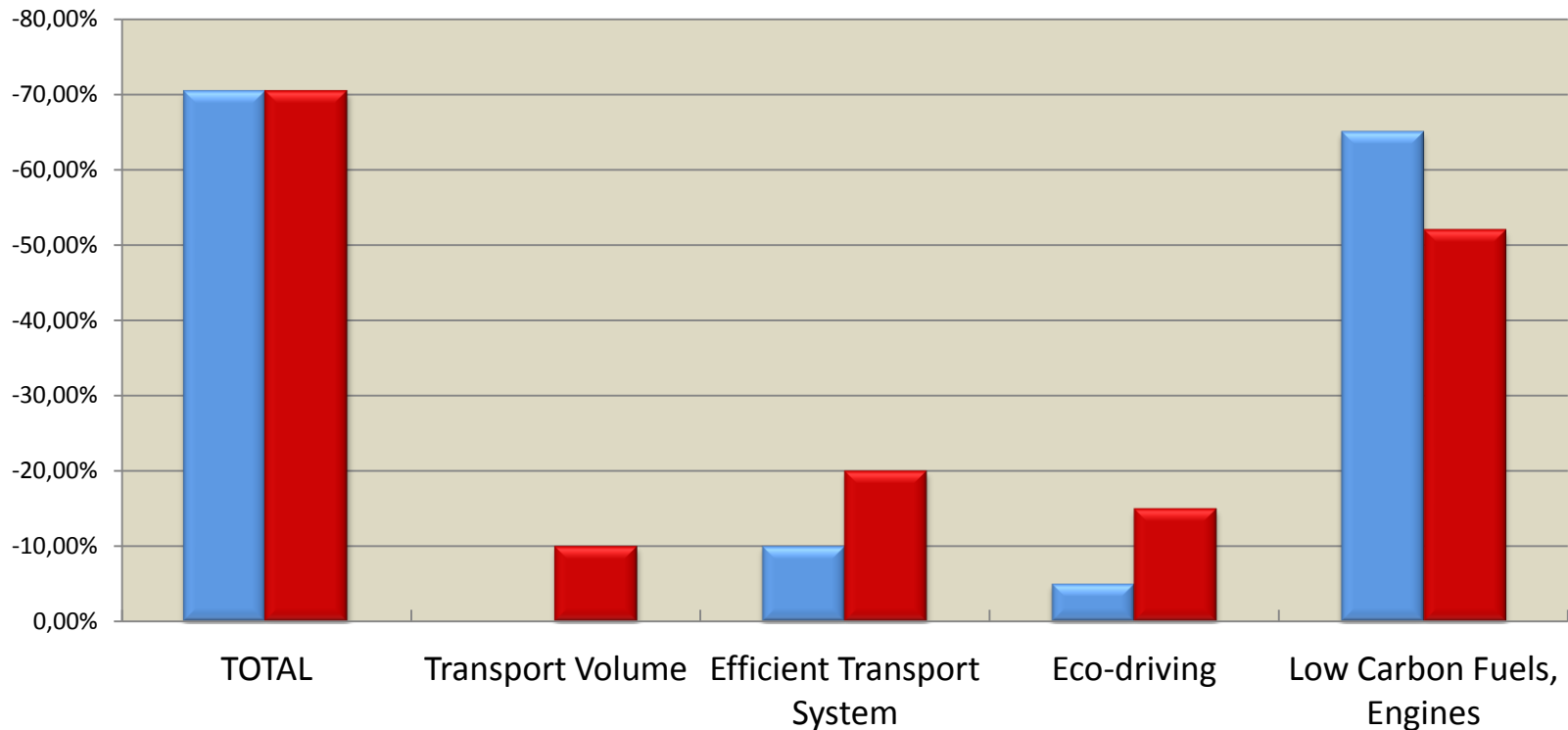
## **Participants from**

**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 CO<sub>2</sub> 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:**

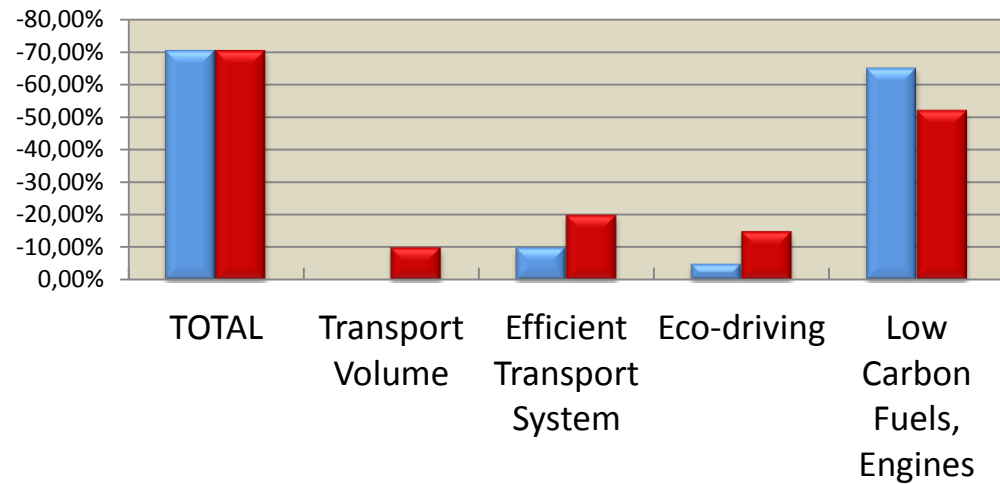
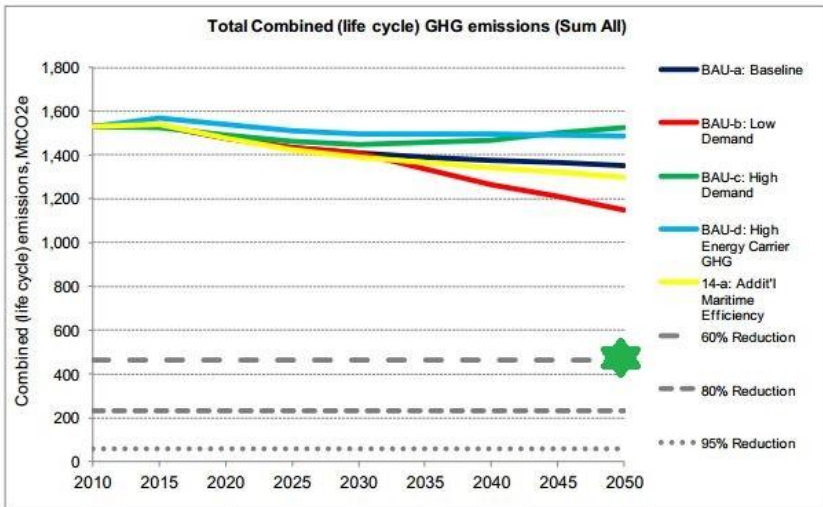
- **Technology neutral**
- **Well-to-wheel**
- **Progressive**
- **Predictable**
- **Harmonized**



## 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**