



50BY50

GLOBAL FUEL ECONOMY INITIATIVE



FIA Foundation
www.fiafoundation.org





- Philippe Crist, International Transport Forum
- David Greene, UC Davis and Oak Ridge National Laboratory
- Michael Walsh, International Council on Clean Transportation
- Lew Fulton, International Energy Agency
- Mr. Kilaparti Ramakrishna, United Nations Environment Programme

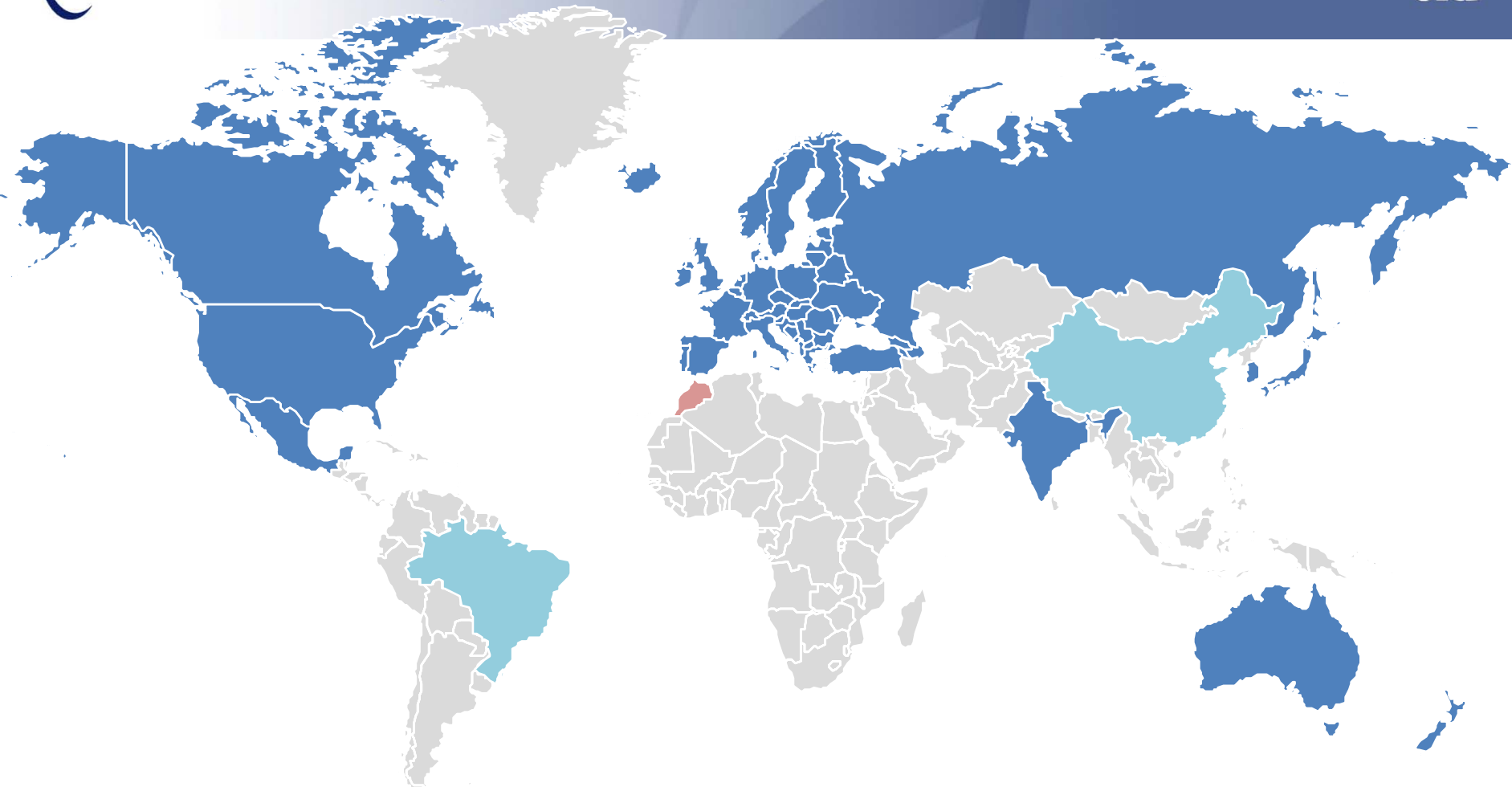


FIA Foundation
www.fiafoundation.org





- ▶ Established by Transport Ministers as a platform to work on transport issues of global significance
- ▶ A successor institution to the European Conference of Ministers of Transport (ECMT)
- ▶ Part of the OECD family
- ▶ 28-30 May 2008: “Transport & Energy, the Challenge of Climate Change”
- ▶ 27-29 May 2009: “Transport & Globalisation”

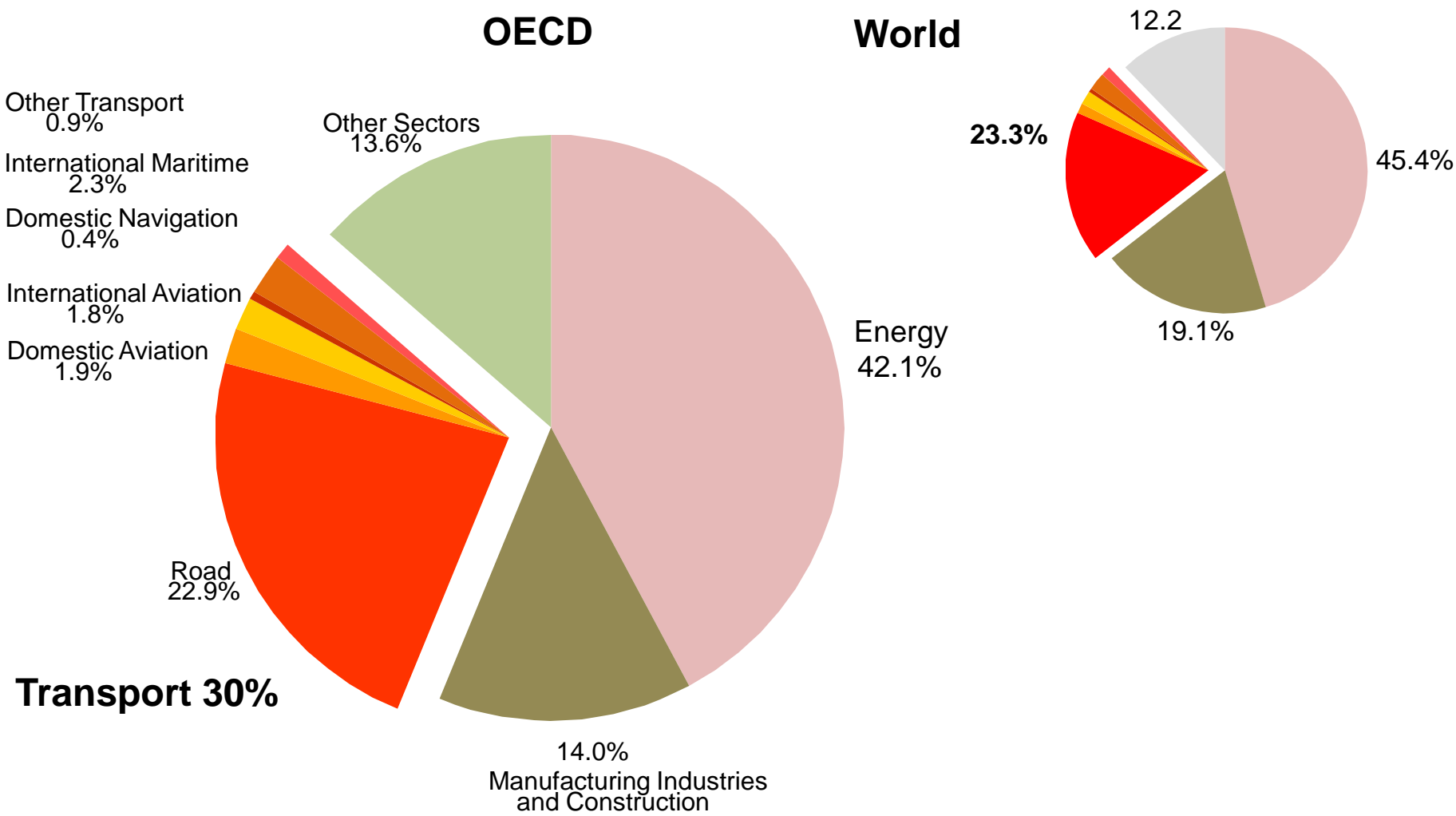


51 Member Countries worldwide



Transport's Share of CO₂ emissions from fuel combustion

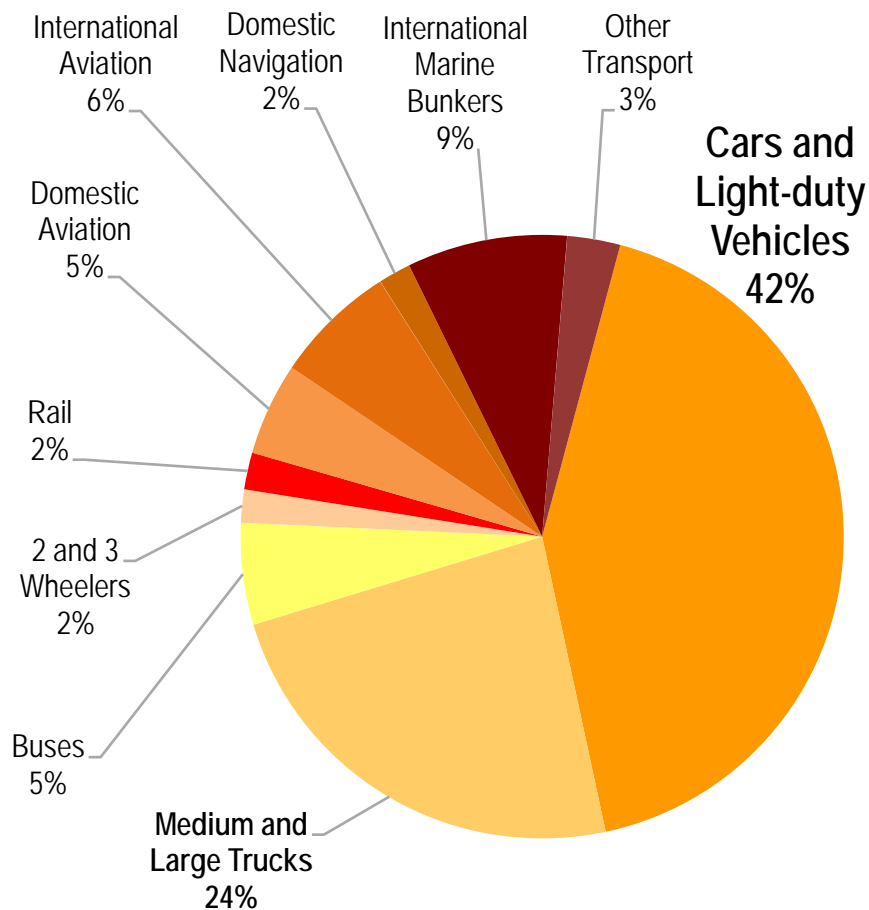
(2005 IEA data, *including* international aviation and maritime)



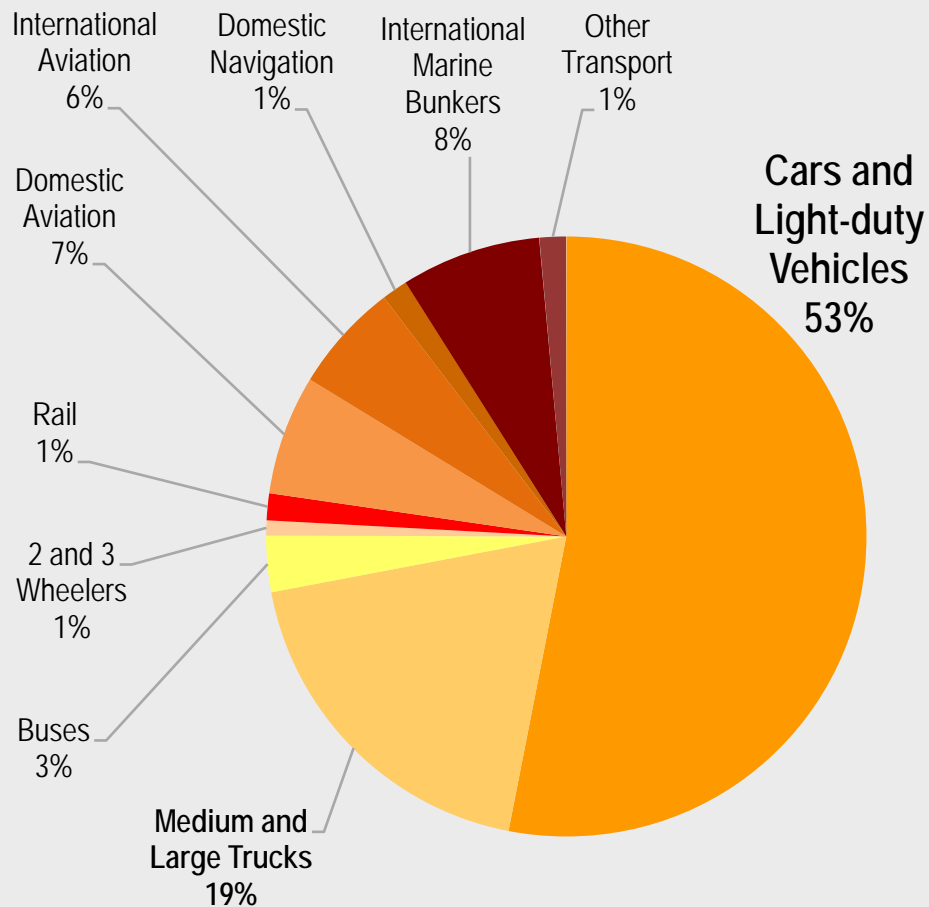
Sectoral Shares of Transport CO2 emissions from fuel combustion

(2005 IEA data, including international aviation and maritime)

World



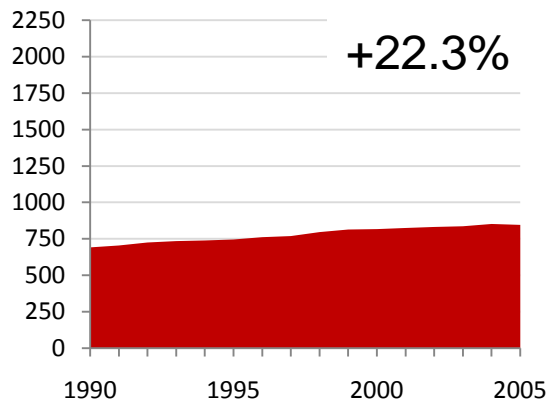
OECD



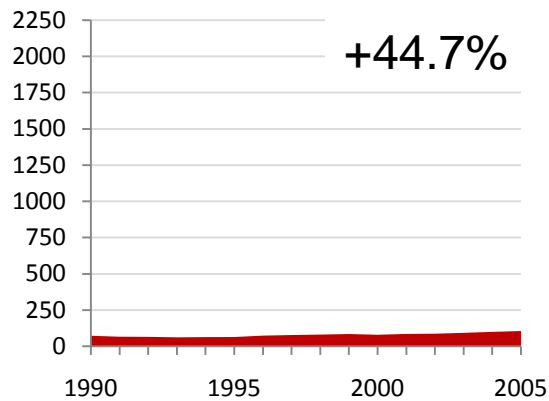
Transport Sector CO2 Emissions by Region: 1990-2005

(excluding international aviation and shipping)

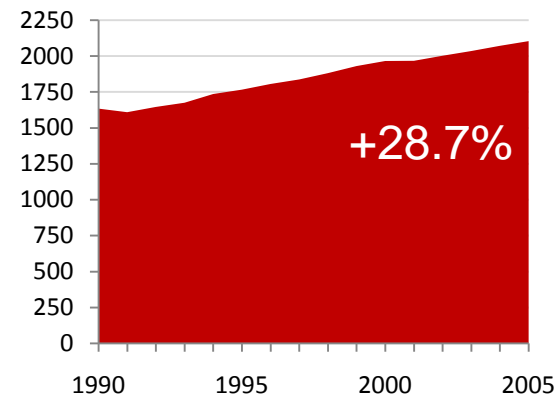
EU-15



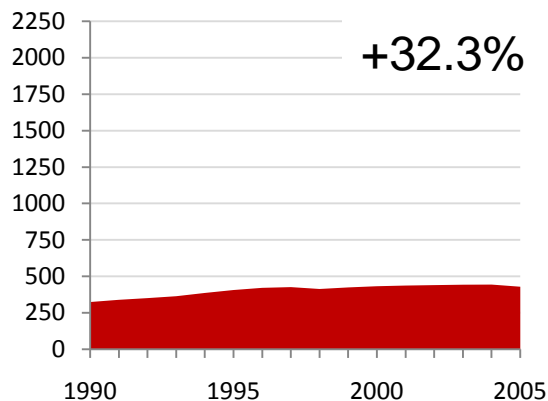
New EU (EU27-EU15)



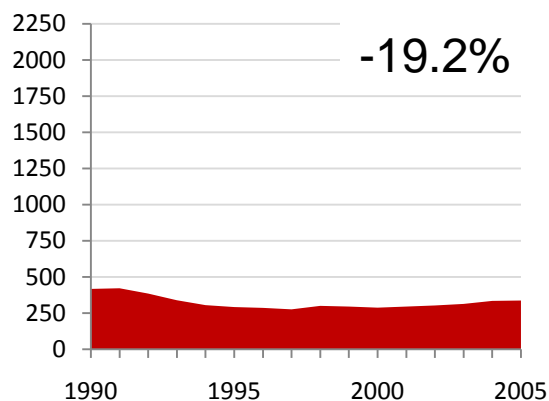
North America



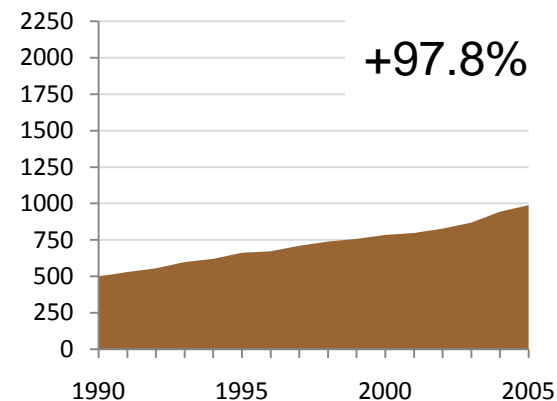
OECD Asia



Other ITF



Top 10 non ITF



Symposium on Fuel Economy - May 15th-16th 2008 - Paris

- A round-table event to explore the issues and benefits of fuel economy improvement around the world, and the possible role of a new initiative.
- Discussion of the scope of a global approach to automotive fuel economy issues and the building blocks for a coherent and cost effective international policy framework. Attendees included government officials, stakeholders such as auto manufacturers, NGOs, academics, and other experts.
- There was a broad consensus that fuel economy improvement is a cost-effective and important strategy for cutting oil use, improving energy security, and cutting CO2 emissions in the future. There was general support for the establishment of a global initiative.

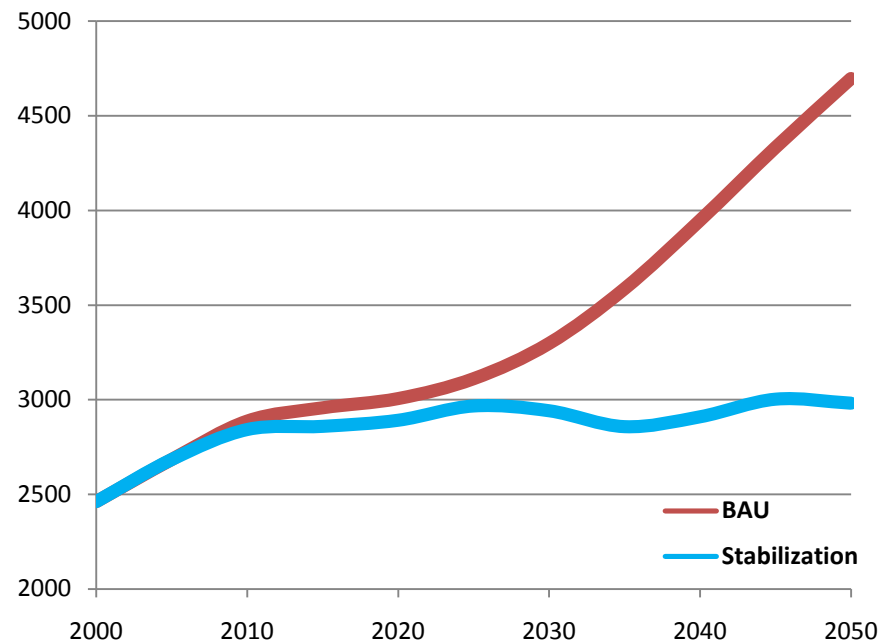
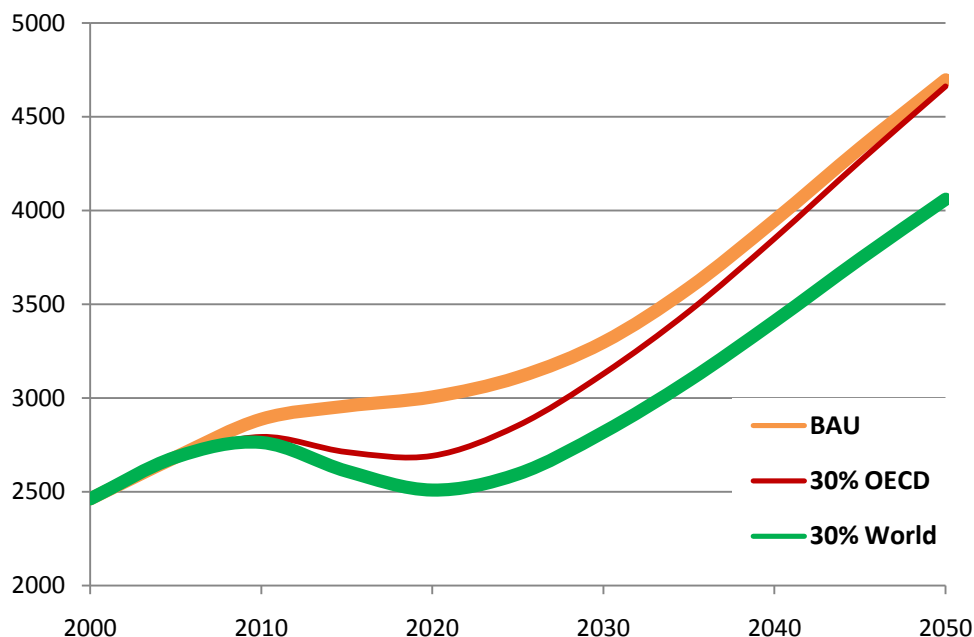


FIA Foundation
for the Automobile and Society

Light Duty Vehicle CO2 Emissions

30% fuel economy increase in a decade
Emerging economies are important

50% fuel economy increase to 2050
Could stabilise emissions



The average fuel economy (L/100 km) of new cars in OECD could be improved 30% by 2020 and 50% by 2030 at low or negative cost taking into account fuel savings. Improving the efficiency of new cars globally at this rate would make possible at least a 50% improvement in the average fuel economy of all cars on the road worldwide by 2050

Global Fuel Economy Initiative – to be launched formally in 2009 - Making cars 50% more fuel efficient by 2050 worldwide to cut CO₂ emissions and oil consumption –

Interim targets include 50% improvement in new LDVs by 2030, 30% by 2020 in fuel consumption (L/100km) terms.

Plans for four key elements:

- Data development and analysis of fuel economy potentials by country, region – IEA research project
- Support for national and regional policy-making efforts – toolkit
- Outreach to stakeholders (e.g. vehicle manufacturers)
- Information campaigns around the world to network policymakers, consumers, stakeholders

Other Next Steps for the Initiative

- ▶ Workshop in Latin America planned for Spring 2009
- ▶ Data collection and analysis program to be initiated and carried out with Phase I during 2009
- ▶ Development of a fuel economy policy development “tool box” for countries to use
- ▶ In-depth engagements with selected countries (TBD)
- ▶ Engagement of stakeholders, building consensus on the best way forward