

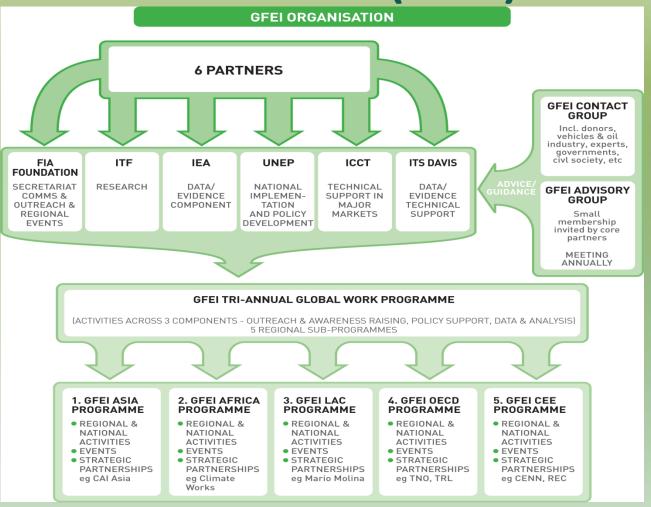
TRANSPORT DAY NOV 17TH 2013

Sheila Watson Director of Environment, FIA Foundation & Exec. Secretary GFEI





The Global Fuel Economy Initiative (GFEI)













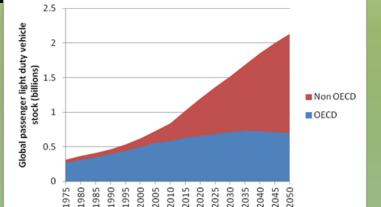
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Global Fuel

Economy Initiative

Background

- The global vehicle (LDV) fleet is set to increase from around 800 million to between 2 and 3 billion by 2050. <u>Almost all of this</u> growth will take place in developing countries
- Unsustainable!
- By 2050 the world will invest US\$ 400 trillion in fuels and vehicles.



- Improved fuel efficiency using existing cost effective technology can be:
 - Carbon saving halving CO2 from LDVs by 2050
 - Pollutants saving cutting emissions with fuel use (diesel)
 - Resource saving 6 bn barrels of oil
 - Money-saving up to \$5trillion in fuels in the next decade
 - Cost effective eg \$3tn for techs in the next decade saves \$5tn - so \$2tn net

Win-Win – but not very sexy!

Targets

	2020	2030	2050
New Cars	30% reduction* in L/100km compared to 2005	50% average improvement globally	50% + globally
	Engines, drive- trains, weight, aerodynamics.	Hybridisation of most models.	Significant contributions from Plug-in vehicles
Total fleet	20% reduction With lag time for stock turnover; includes eco-driving, maintenance	35% reduction	50by50

Not enough on it's own – need the full Avoid-Shift-Improve approach too.....













-		2005	2008	2011	2030
OECD average	average fuel economy (Lge/100km)	8.1	7.6	7.0	
	annual improvement rate (% per year)	-2.2%		-2.7%	
		-2.4%			
Non-OECD average	average fuel economy (Lge/100km)	7.5	7.6	7.5	
	annual improvement rate (% per year)	0.4%		-0.6%	
		-0.1%			
Global average	average fuel economy (Lge/100km)	8.0	7.6	7.2	
	annual improvement rate	-1.7%		-1.8%	
	(% per year)	-1.8%			
GFEI target	average fuel economy (Lge/100km)	8.0			4.0
	annual improvement rate	-2.7%			
	(% per year)	2012 bas	e year 🛛 🗕	→	-3.0%



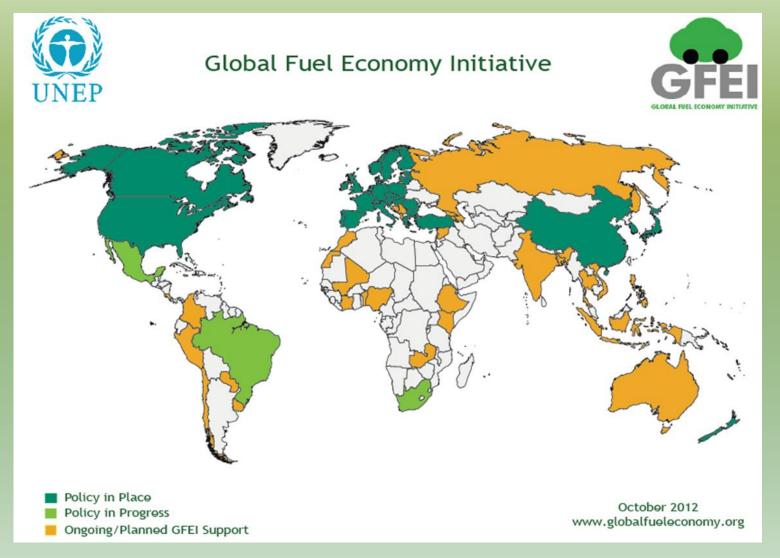








Fuel economy policies













In country support

TOOLKIT

Bangladesh

Macedonia

Jamaica

Cote D'Ivoire

Asia

Central and

Eastern Europe

Latin

America

and the Caribbean

Africa

- Baseline
- Best practice policy option

India

Armenia

Brazil

Benin

Technical support

Montenegro

China

Peru

Mauritius

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Supported by

FIA Foundation









Philippines

Azerbaijan

Colombia

Ethiopia



Indonesia

Chile

Russia

Costa

Rica

Vietnam

Georgia

Mexico

Kenya



Advocacy – SDGs/Post 2015

A NEW GLOBAL PARTNERSHIP: ERADICATE POVERTY AND TRANSFORM ECONOMIES THROUGH SUSTAINABLE DEVELOPMENT

The Report of the High-Level Panel of Eminent Persons on the Post-2015 Development Agenda



SDG push on fuel efficiency:

- Potential impact far wider than transport due to energy security, cost and links to new technologies
- Measurable
- GFEI is an existing successful partnership



Partnership on Sustainable Low Carbon Transport











Thank-you

www.globalfueleconomy.org



#GFEInetwork, @globalfuelecon #globalfueleconomy



http://www.linkedin.com/groups/ Global-Fuel-Economy-Network-5060373 http://linkd.in/19ltFd2