



2015 - A KEY YEAR FOR GFEI AND FUEL ECONOMY

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12th 2015**

IEA estimates that the world will invest USD 400 trillion in fuels and vehicles by 2050.....

- what personal mobility systems will we use?...
- what vehicles will we buy?...
- running on what fuels, and what kind of roads?...
- with what energy, health and climate impacts?...

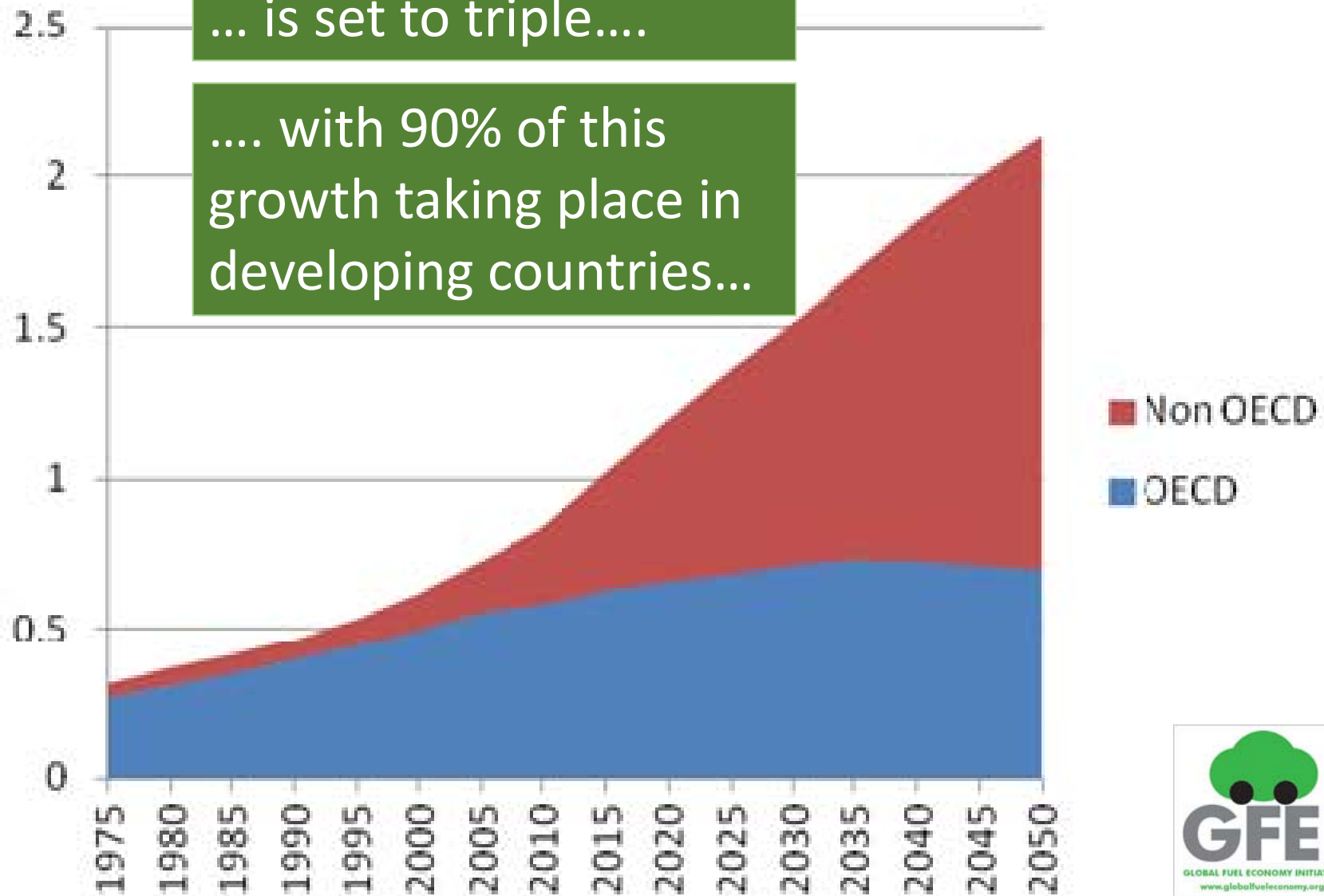


The Global Fleet...

... is set to triple....

.... with 90% of this growth taking place in developing countries...

Global passenger light duty vehicle stock (billions)

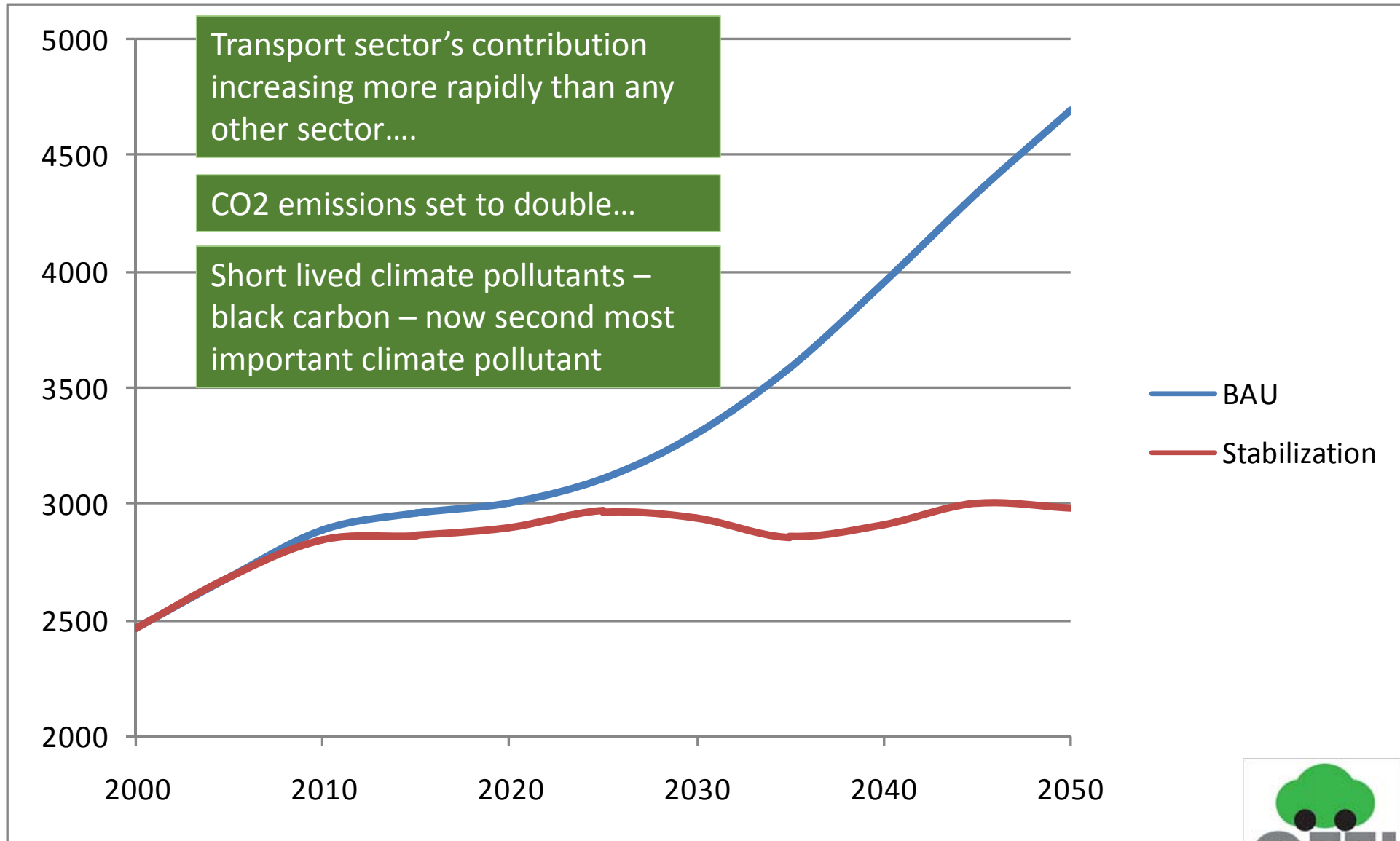


Climate Change

Transport sector's contribution increasing more rapidly than any other sector...

CO2 emissions set to double...

Short lived climate pollutants – black carbon – now second most important climate pollutant



CO2 emissions from the global light duty vehicle fleet – GFEI 2009



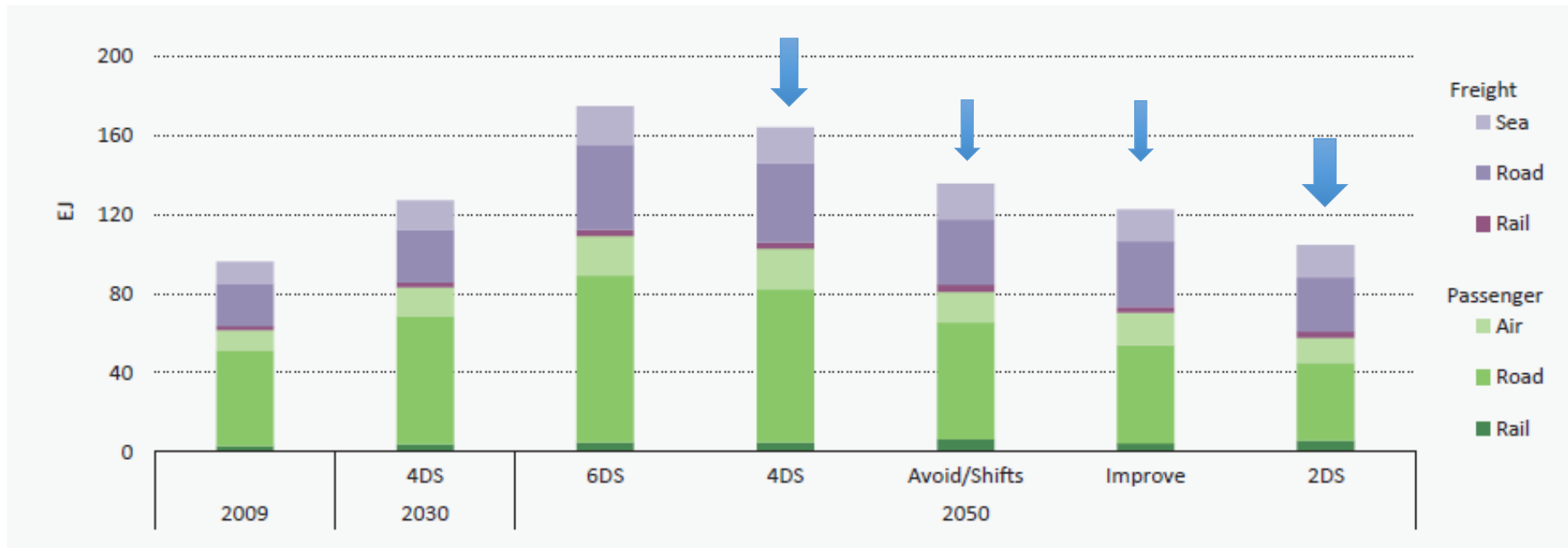
Air Pollution

World Health Organization:
small PM is affecting more
people than any other
pollutant...

...with ~3.2 mln premature
deaths annually....

...this is growing **problem**, with
an 11% increase globally in
deaths from air pollution in the
past 20 years – as the Global
Burden of Disease report
released yesterday shows

Energy Security



Source: IEA's – likely demand for oil-based fuels - ITP 2013

By 2050, in comparison with a scenario considering current policies (4DS) improved energy efficiency of transport vehicles can reduce transport energy demand by 25% (Improve)
 20% energy savings can avoided/shifted transport to more efficient modes (Avoid/Shifts)
 Combined, these two contributions lead to 35% lower energy demand (2DS)

How can Fuel Economy help?

- Climate change
- Energy security
- Resource waste
- Sustainable development
- Air quality

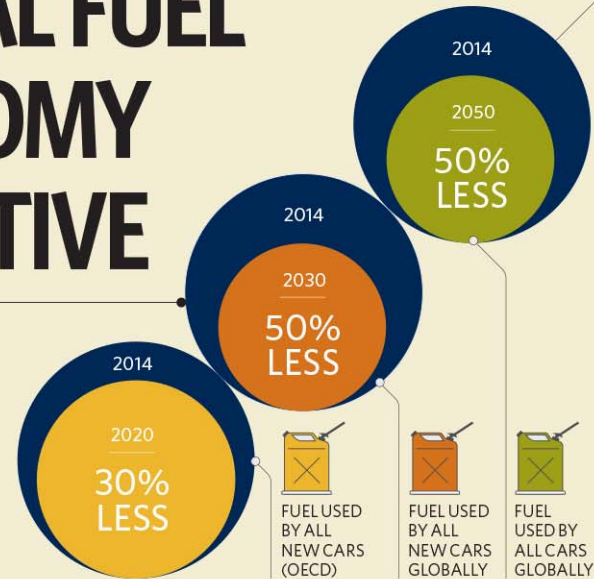


GLOBAL FUEL ECONOMY INITIATIVE

THE GFEI FUEL ECONOMY TARGETS

6BN BARRELS OF OIL PER YEAR

is how much we will save globally if we achieve these targets by 2050.



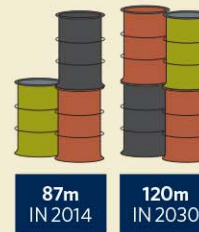
2TRN DOLLARS

could be saved in the next decade from better fuel economy.



CARS AND OIL

by 2030, 2 million vehicles would need at least 120 million barrels of oil a day.



GROWING NUMBER OF CARS

CHINA TODAY 240 MILLION

WORLD TODAY 1 BILLION

CHINA IN 2050 1 BILLION

WORLD IN 2050 3 BILLION



FE improvement - Targets and reality

		2005	2008	2011	2013	2030
OECD average	average fuel economy (Lge/100km)	8.6	7.9	7.3	6.9	
	annual improvement rate (% per year)	-2.7%		-2.6%	-2.6%	
		-2.6%				
Non-OECD average	average fuel economy (Lge/100km)	7.3	7.4	7.3	7.2	
	annual improvement rate (% per year)	0.5%		-0.4%	-0.9%	
		-0.2%				
Global average	average fuel economy (Lge/100km)	8.3	7.7	7.3	7.1	
	annual improvement rate (% per year)	-2.3%		-1.9%	-1.8%	
		-2.0%				
GFEI target	average fuel economy (Lge/100km)	8.3				4.2
	required annual improvement rate	2005 base year	-2.7%			
	(% per year)	2014 base year	-3.1%			

OECD: rates close to target

Non-OECD: little improvement

Global: Right trend at slow pace

2030: Improve global FE by 50%

Source: GFEI Working Paper number 11 - 2015








Global Fuel Economy Initiative

Six core partners: FIA Foundation, UNEP, IEA, ITF, ICCT and UC Davis, financial support from FIA Foundation, GEF and EU

THE GFEI FUEL ECONOMY TARGETS

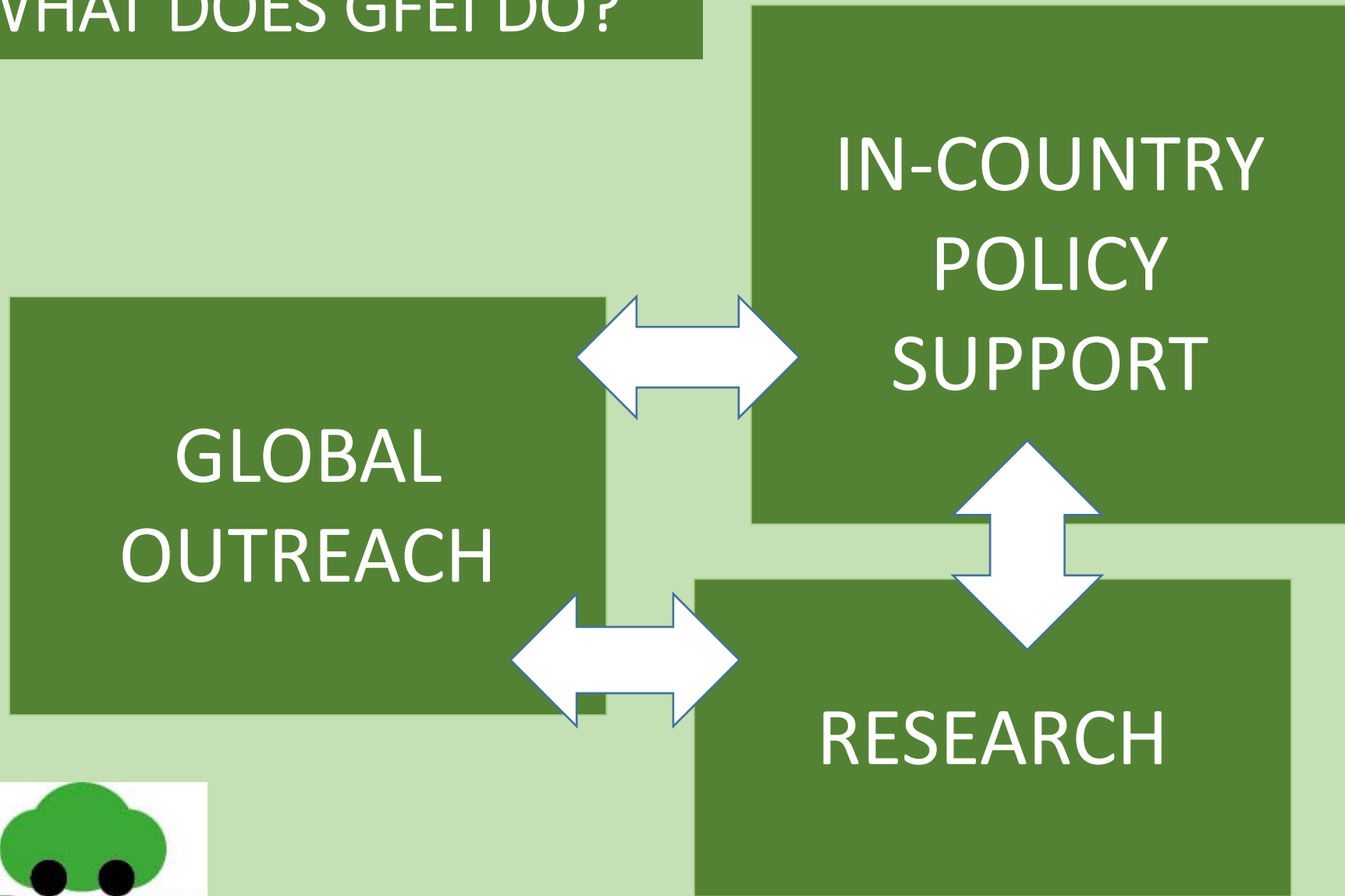
From 2005 baseline:

-  reduction in L/100km by 2020 in all new cars in OECD countries
-  by 2030 in all new cars globally
-  by 2050 in all cars globally

GFEI recognized as leading initiative in energy and climate reports and discussions



WHAT DOES GFEI DO?



	2005	2008	2011	Trend%
OECD	8.1	7.6	7	-2.4
non-OECD	7.5	7.6	7.5	-0.1
Global	8	7.6	7.1	-1.8



Research

- State of the World
- Cost-benefit of fuel economy policies (\$2 trillion net savings by 2030)

And in 2014.....

- IEA data analysis
- Green labelling
- On-road performance and off-road testing (clubs)
- FE for car importers



Fuel Economy State of the World 2014

The World is Shifting into Gear on Fuel Economy





In-country:

- Kenya
- Chile
- Georgia

And in 2014.....

- China
- Russia
- Mexico
- Middle East
- Caribbean



2015 – A BIG YEAR FOR GFEI



GFEI's OFFER FOR COP21



100
FOR 50BY50
SAFE CLIMATE AND
CLEAN AIR AT COP21



CURRENT GFEI COUNTRY ENGAGEMENT

pilots		signed projects	talks ongoing to develop project	expressed interest	countries targetted				
1	Chile	5	Georgia	27	Serbia	31	Barbados	50	South Africa
2	Ethiopia	6	Côte d'Ivoire	28	Benin	32	Bangladesh	51	Samoa
3	Indonesia	7	Mauritius	29	Russia	33	Guatemala	52	Colombia
4	Kenya	8	Jamaica	30	St Lucia	34	Togo	53	Moldova
		9	Montenegro			35	Uganda	54	Turkey*
		10	Macedonia			36	Nigeria	55	Jordan
		11	Philippines			37	Mali	56	UAE
		12	Vietnam			38	Mozambique		
		13	Morocco			39	Zambia		
		14	Bahrain			40	Syria		
		15	Egypt			41	Armenia		
		16	Tunisia			42	Azerbaijan		
		17	Thailand			43	Malaysia		
		18	Peru			44	Equador		
		19	Uruguay			45	Dominican Republic		
		20	Nepal			46	Panama		
		21	Paraguay			47	Tanzania		
		22	Sri Lanka			48	Rwanda		
		23	Costa Rica			49	Djibouti		
* NOTE –plus G20									
		24	Benin						
		25	Algeria						
		26	Uganda						



OTHER GFEI SUPPORTERS



THANK - YOU

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www.globalfueleconomy.org

