

The Global Fuel Economy Initiative

Sheila Watson

Deputy Director, FIA Foundation

June 9th 2016 – Paris

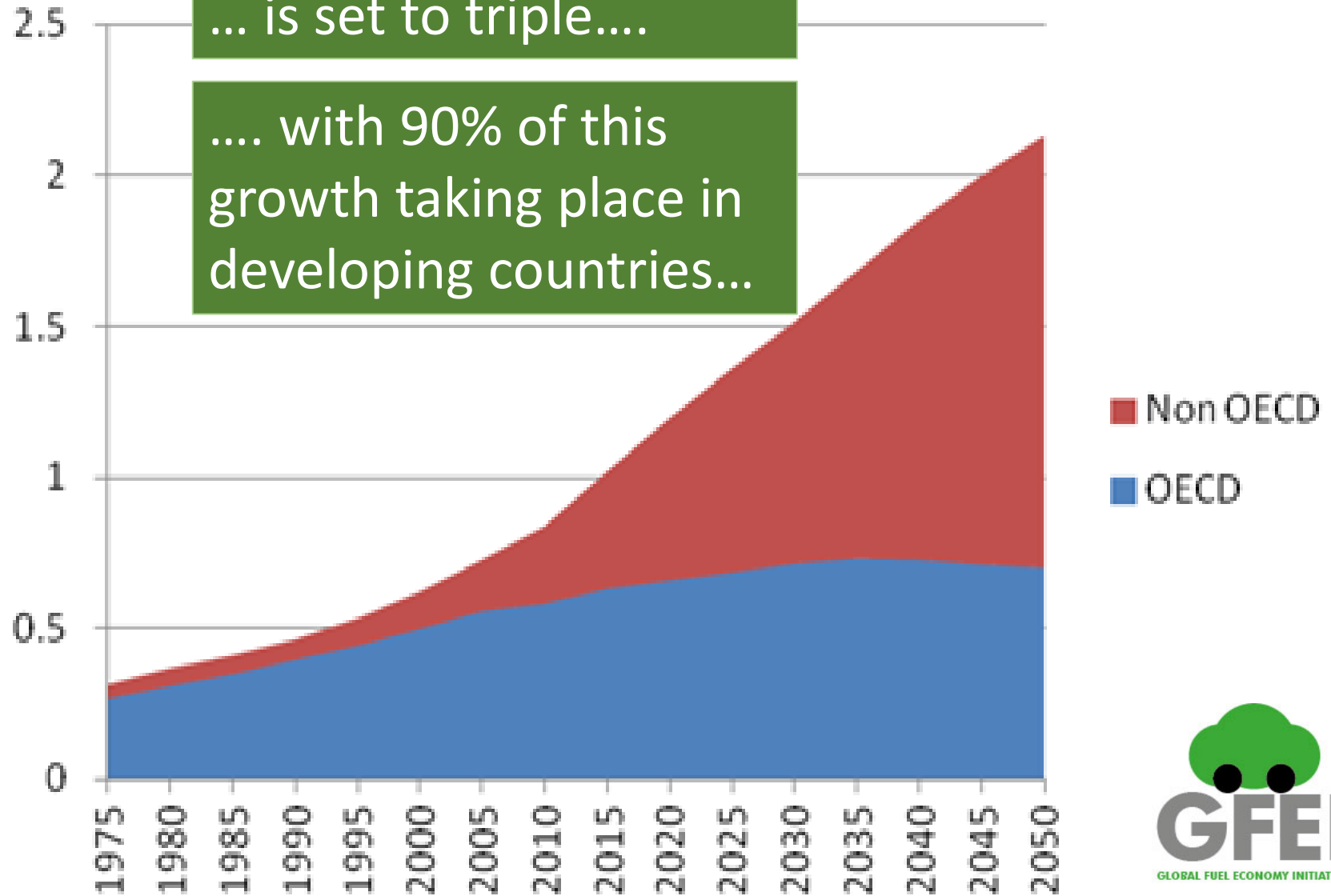


The Global Fleet...

... is set to triple....

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

Global passenger light duty vehicle stock (billions)

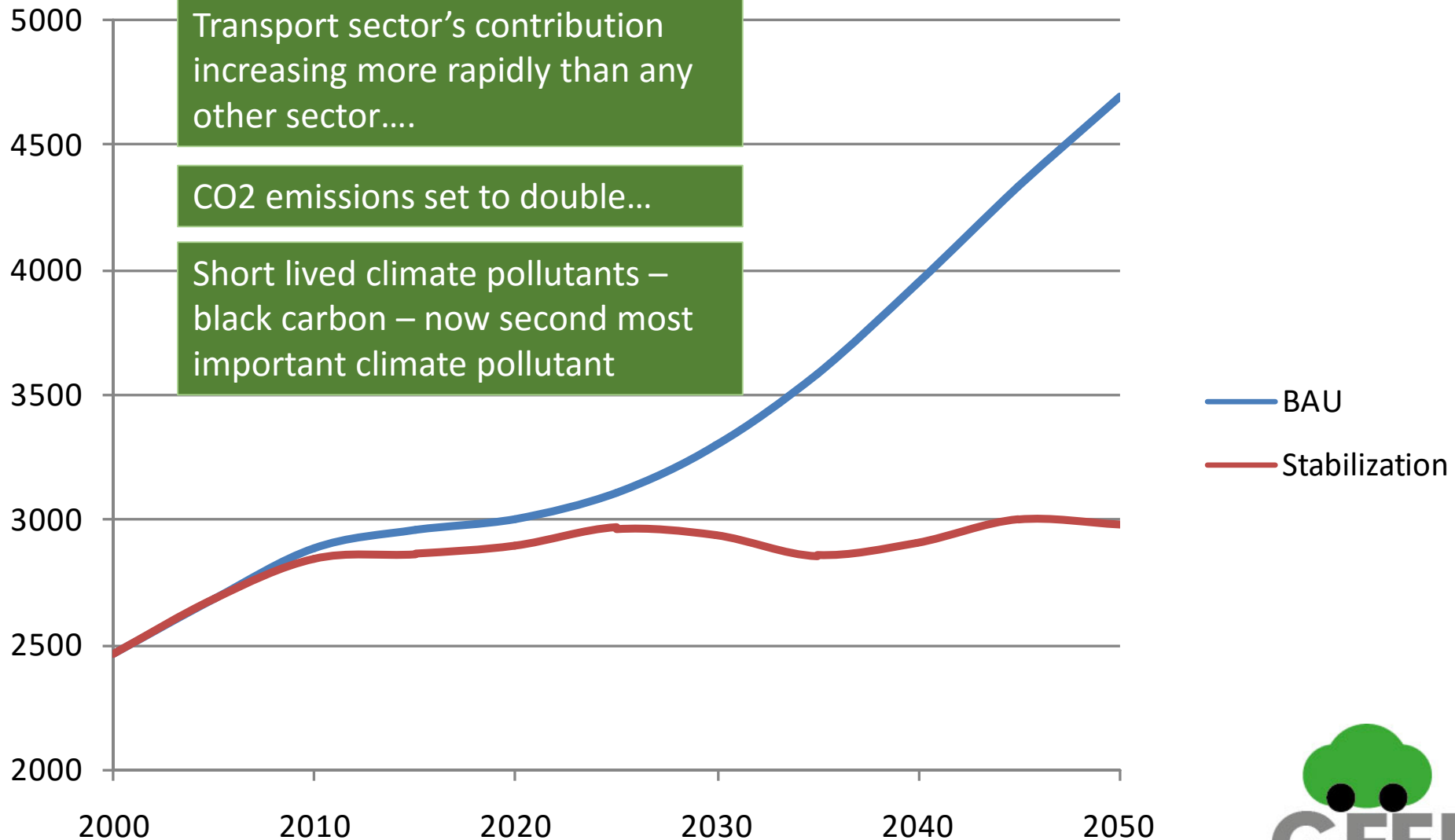


Climate Change

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



Launched in 2009, with target of doubling fuel economy ('50by50')

Six core partners: FIA Foundation, UNEP, IEA, ITF, ICCT and UC Davis. Financial support from FIA Foundation, GEF and European Commission

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



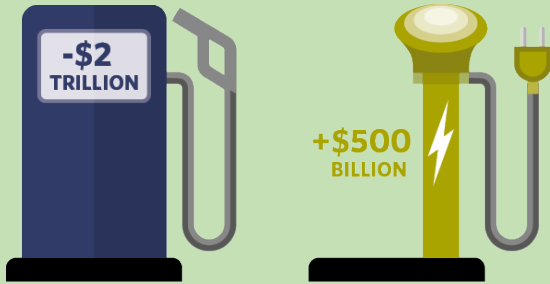
by 2050 in all cars globally

GFEI recognized as leading vehicle efficiency initiative

Achim Steiner 'a model alliance that should inspire other sectors'

WHAT CAN FUEL ECONOMY DELIVER?

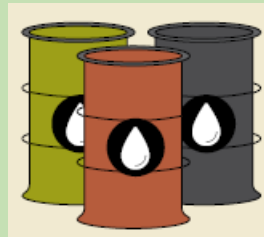
Financial Savings



\$2 trillion savings

A total of **\$2 trillion** could be made in fuel savings by 2025, **\$500 billion** of which would fund the costs of initiating a transition to electric vehicles.

Reduced dependence on oil



Lower carbon emissions



300 fewer power stations

The **33Gt** of CO₂ that could be saved between 2015 and 2050 is roughly the equivalent of closing **300** coal power stations over the same time period.

Air quality benefits



From associated improved vehicle emissions standards

WHAT DOES GFEI DO?

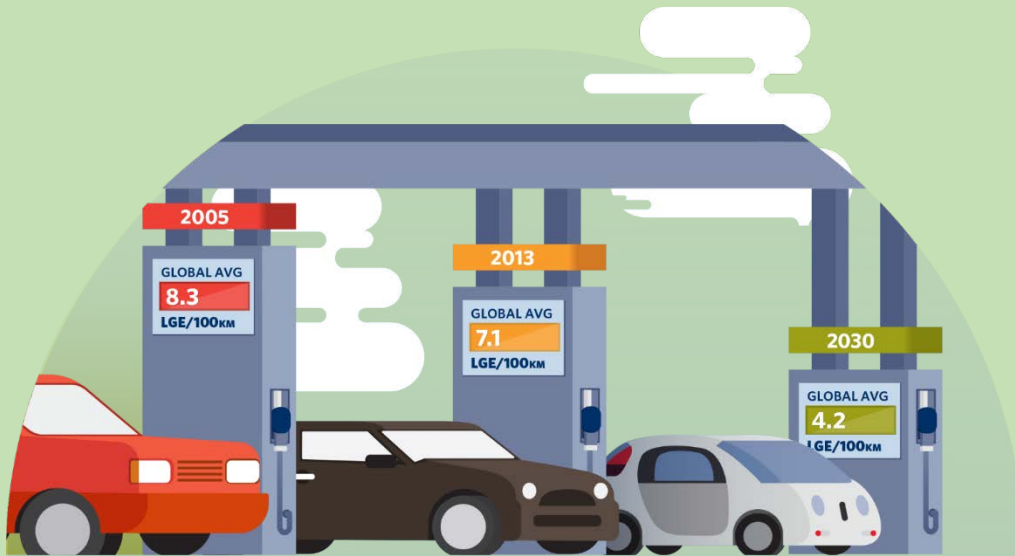
RAISING
GLOBAL
AWARENESS

IN-COUNTRY
POLICY
SUPPORT

RESEARCH AND
EVIDENCE



FUEL ECONOMY STATE OF THE WORLD 2016

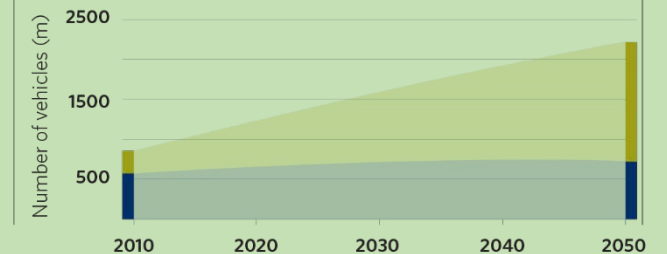


Global Progress

FUEL ECONOMY Average LGE/100km



FUTURE VEHICLE GROWTH TRENDS



■ OECD PASSENGER VEHICLES ■ NON-OECD PASSENGER VEHICLES

GFEI's Initiative at COP21



- \$7million funding
- New research
- 40 new countries

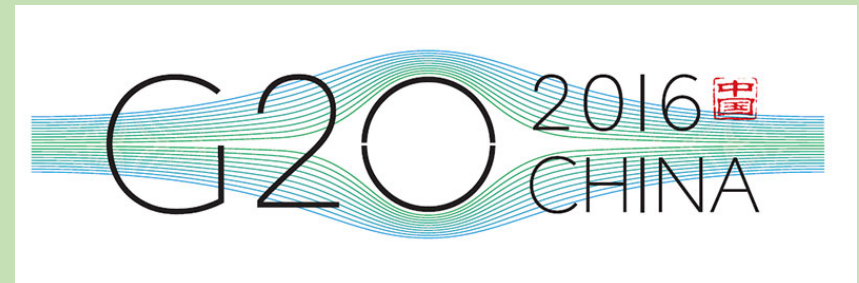


countries with ongoing projects		new countries 2016		Countries expressed interest	
1	Chile	28	Malaysia	63	Panama
2	Ethiopia	29	Bangladesh	64	Iran
3	Indonesia	30	Kazakhstan	65	Angola
4	Kenya	31	Mali	66	Bhutan
5	Georgia	32	Nigeria	67	Burkina Faso
6	Ivory Coast	33		68	Burundi
7	Mauritius	34		69	Cambodia
8	Jamaica	35		70	Cameroon
9	Montenegro	36	Bolivia	71	Cape Verde
10	Macedonia	37	Argentina	72	D.R. Congo
11	Costa Rica	38		73	Eritrea
12	Vietnam	39		74	Fiji
13	Morocco	40		75	Guinea
14	Bahrain	41	Colombia	76	Iran
15	Tunisia	42	Djibouti	77	Kyrgyzstan
16	Thailand	43	Dominican Republic	78	Laos
17	Peru	44	Guatemala	79	Lesotho
18	Russia	45	Moldova	80	Marshall Islands
19	Benin	46	Pakistan	81	Mongolia
20	Algeria	47		82	Namibia
21	Uruguay	50		83	Niger
22	Nepal	51		84	Papua New Guinea
23	Paraguay	52	Zambia	85	Senegal
24	Sri Lanka	53	Ghana	86	Sierra Leone
25	Philippines	54	Malawi	87	Solomon Islands
26	Uganda	55	Zimbabwe	88	South Africa
27	Egypt	56	Honduras	89	Tajikistan
		57	Nicaragua	90	Turkmenistan
		58		91	Turkey
		59		92	Armenia
		60		93	Azerbaijan
		61	Myanmar	94	Serbia
		62	Liberia	95	Samoa

Momentum for change - UNFCCC



Momentum for change – G20



Momentum for change - SDGs

SUSTAINABLE DEVELOPMENT GOALS



7 AFFORDABLE AND
CLEAN ENERGY



13 CLIMATE
ACTION



"GFEI is helping to reduce oil demand by supporting fuel-saving technology. This is good news for consumers, for energy security and the environment. The IEA is proud to be a founding member & commends GFEI to others."

Fatih Birol, Executive Director,
International Energy Agency



"Improving fuel economy has many benefits - air quality, cost savings & climate. UNEP is working with GFEI to support countries to put in place policies & incentives for improved fuel economy - our aim is to go from 30 to 100 countries in the coming year"

Achim Steiner,
Executive Director, UNEP



"ITF recognises the vital importance of improved fuel economy for reducing emissions & helping tackle climate change. ITF is a founding partner of GFEI, & encourage all countries to take action to meet GFEI's goal of doubling average global fuel economy by 2050."

José Viegas, Secretary-General,
International Transport Forum



"Fuel efficiency is crucial for many reasons. Using less energy makes sense as the savings are available for other development uses, and it lowers emissions. So for us this is a winner & we see this as the future. GFEI & SE4ALL has been a wonderful partnership."

Kandeh Yumkella,
Former Chief Executive,
Sustainable Energy for All



"Effective fuel efficiency standards for vehicles are a cornerstone of the battle to lower transport greenhouse gas emissions. The GFEI initiative to double fuel efficiency is crucial in building global momentum to reduce emissions."

Jos Dings, Director,
Transport and Environment



"GFEI is an essential platform that helps shape fuel economy trajectories around the globe. Such a platform is critical in influencing markets such as those in developing Asia, where even small improvements in vehicle fuel economy can lead to huge cumulative benefits."

Bjarne Pedersen,
Executive Director,
Clean Air Asia



GFEI Global Networking Meeting - Paris



2015

08:30	Registration
09:00	Welcome Jean François Gagné, IEA
09:10	The Global Fuel Economy Initiative Sheila Watson, FIA Foundation (Moderator)
09:30	Fuel Economy in a Global Context Mark Radka, UNEP
09:50	State of World of Fuel Economy <ul style="list-style-type: none"> • Introduction to fuel economy - Lew Fulton, UC Davis • Detailed country by country analysis - Pierpaolo Cazzola, IEA • Policy and technology trends - Drew Kodjak, ICCT • Discussion
11:00	Coffee
11:30	Fuel Economy Costs and Benefits Chair: Stephen Perkins, ITF <ul style="list-style-type: none"> • Presentation - Wei-Shiuen Ng, ITF • Country experience - Panel: Chile, Drew Kodjak (ICCT)
12:30	Lunch and group photo
14:00	GFEI Global Network: Fuel Economy in-country work 2016 Chaired by Rob de Jong, UNEP, including introductory presentation <ul style="list-style-type: none"> • Country experience - Panel: Uganda, Indonesia, Macedonia, Peru, CEDARE (Middle East and West Asia)
16:00	FE Baseline setting Chair: Elisa Dumitrescu, UNEP <ul style="list-style-type: none"> • Tool presentation & training - Alex Koerner • Country experience - Panel: Jamaica, Ukraine, Cote d'Ivoire • Discussion
17:30	Reception

FRIDAY, 10 JUNE 2016

09:00 FEPIT tool presentation

Chair: Pierpaolo Cazzola, IEA

- Tool presentation & training - Alex Koerner
 - Country experience - Panel: Costa Rica, Philippines
 - Discussion
-

10:30 Coffee

11:00 Fuel Economy Fiscal measures

Zifei Yang, ICCT

- Tool presentation & training
 - Country experience - Panel: Mauritius, Kenya
 - Discussion
-

13:00 Lunch

14:00 Compliance and Enforcement

Drew Kodjak, ICCT

- Discussion
-

15:00 Other issues

Chair: Lew Fulton, UC Davis

Electric Mobility (60 min)

- Introduction - Marine Gerner, IEA
- Country activities - Rob de Jong, UNEP
- Discussion

Heavy Duty Vehicles (45 min)

- Introduction - Drew Kodjak, ICCT
 - Discussion
-

16:45 Next steps

17:00 Close

Introductions





Thanks

www.globalfueleconomy.org

