

The Importance of Fuel Efficient Vehicles

Sheila Watson, Deputy
Director, FIA Foundation
Executive Sec. GFEI

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Quito

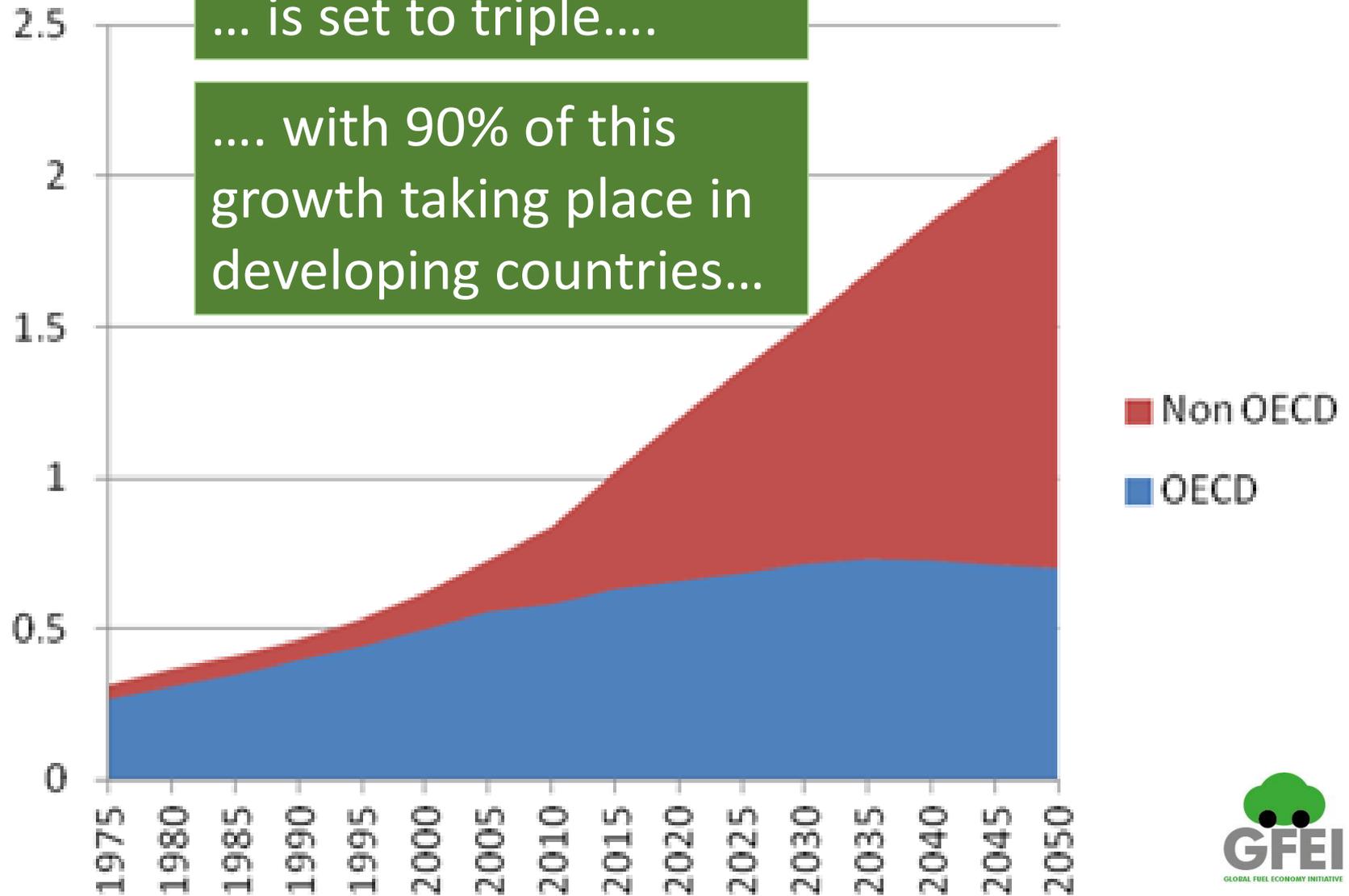


The Global Fleet...

... is set to triple....

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

Global passenger light duty vehicle stock (billions)

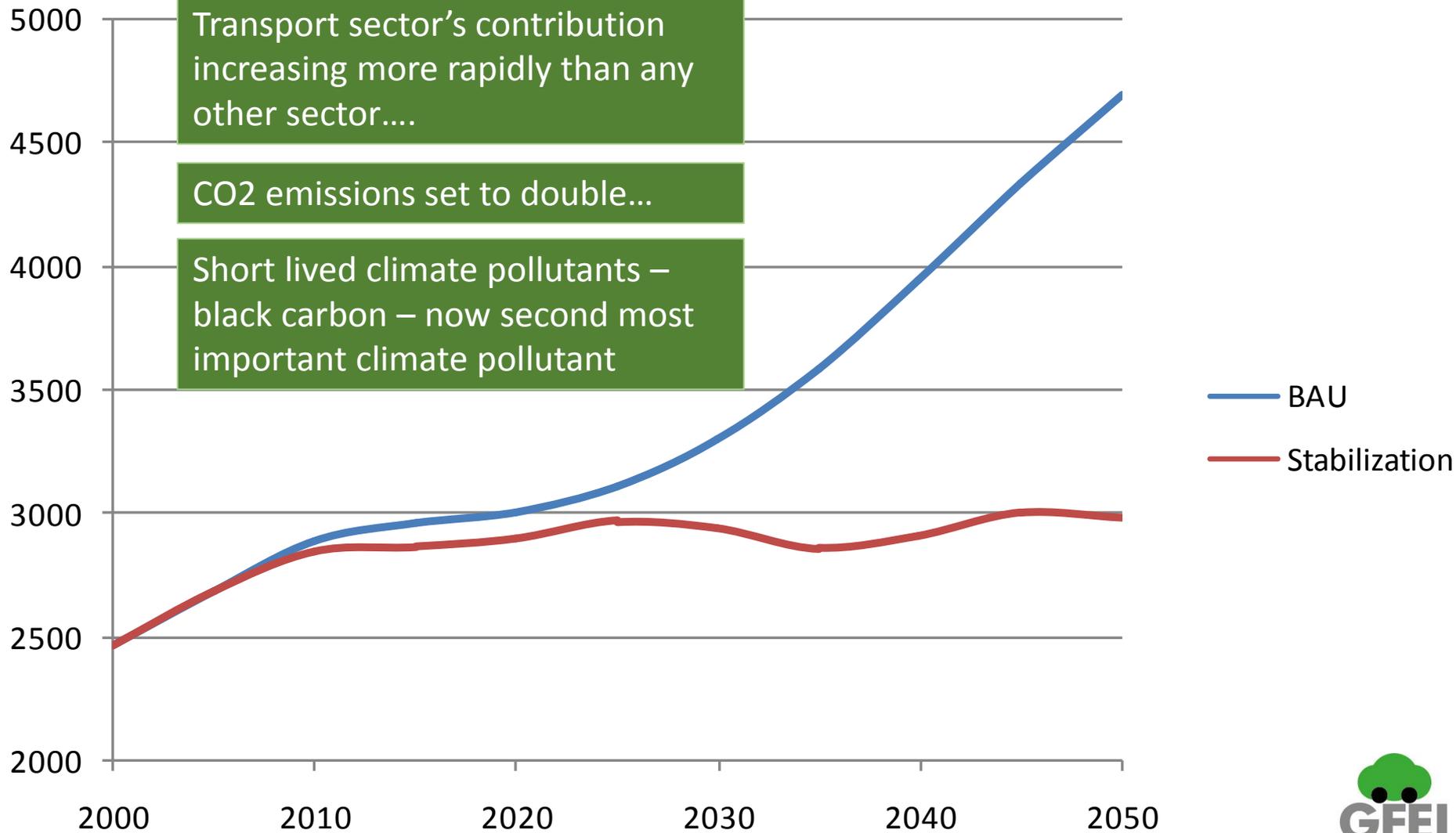


Climate Change

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

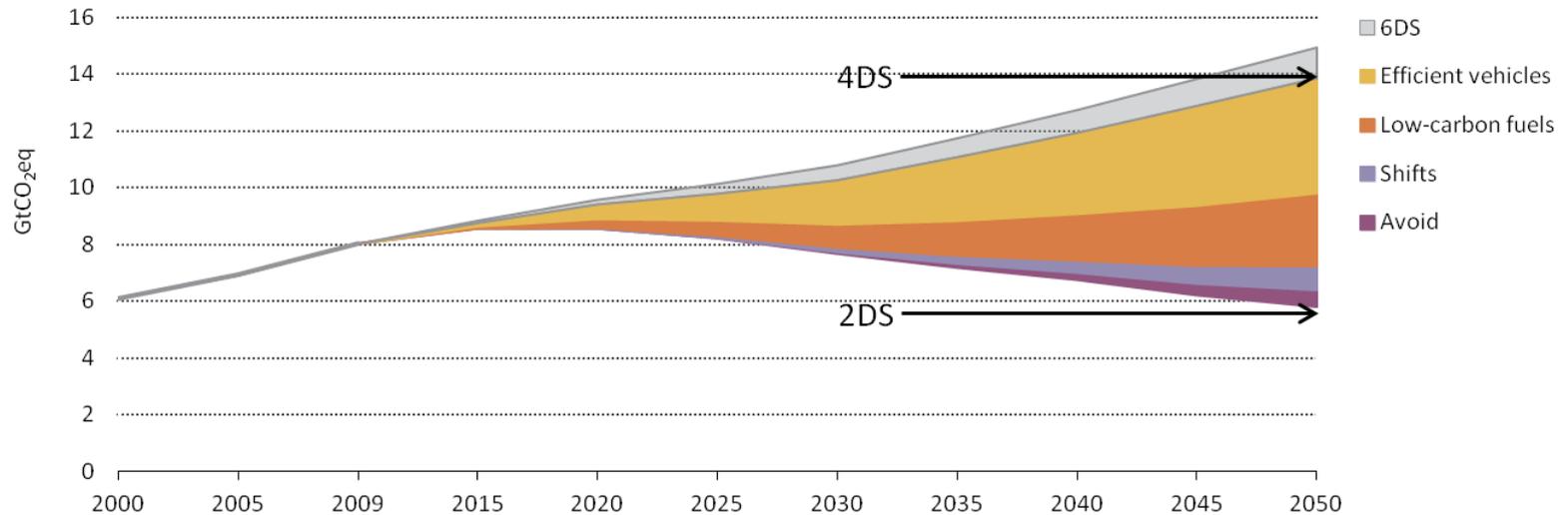
CO2 emissions set to double...

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



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

Carbon Reduction Potential Transport



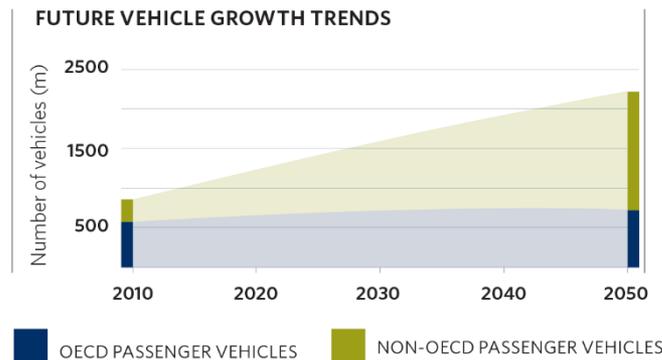
- Potential for transport to reduce 4 GT/yr in 2030 and 8 GT/yr in 2050 (IEA MOMO model 2015)
- Comprehensive approach needed:
 - **Avoid** transport, for example through better city planning
 - **Shift** to efficient transport modes, like public transport
 - **Improve** through cleaner vehicles
- Biggest potential with **improving vehicle efficiency** – the yellow wedge

FUEL ECONOMY STATE OF THE WORLD 2016



Global Progress

FUEL ECONOMY Average LGE/100km





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

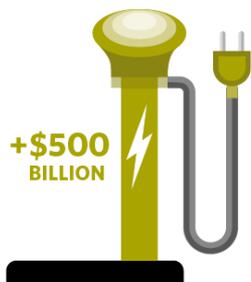
GFEI recognized as leading vehicle efficiency initiative

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



WHAT CAN FUEL ECONOMY DELIVER?

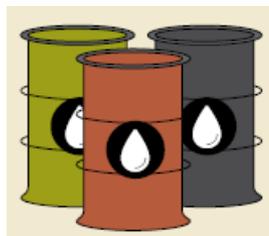
Financial Savings



\$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

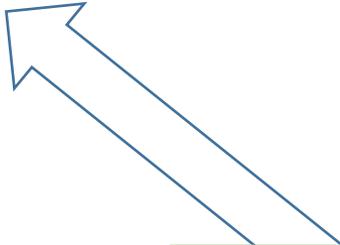


From associated improved vehicle emissions standards

WHAT DOES GFEI DO?

RAISING
GLOBAL
AWARENESS

IN-COUNTRY
POLICY
SUPPORT



RESEARCH AND
EVIDENCE



SUSTAINABLE DEVELOPMENT GOALS



- 
ABOUT GFEI
- 
USER'S GUIDE
- 
COUNTRY INFO
- 
QUESTIONNAIRE
- 
CONTACTS

Introduction

Instruments

Case Studies

Resources

Global View

Global View

- Europe
- North America
- Latin America
- Africa
- MEWA
- Asia Pacific

GLOBAL VIEW



NAVIGATOR


INSTRUMENTS

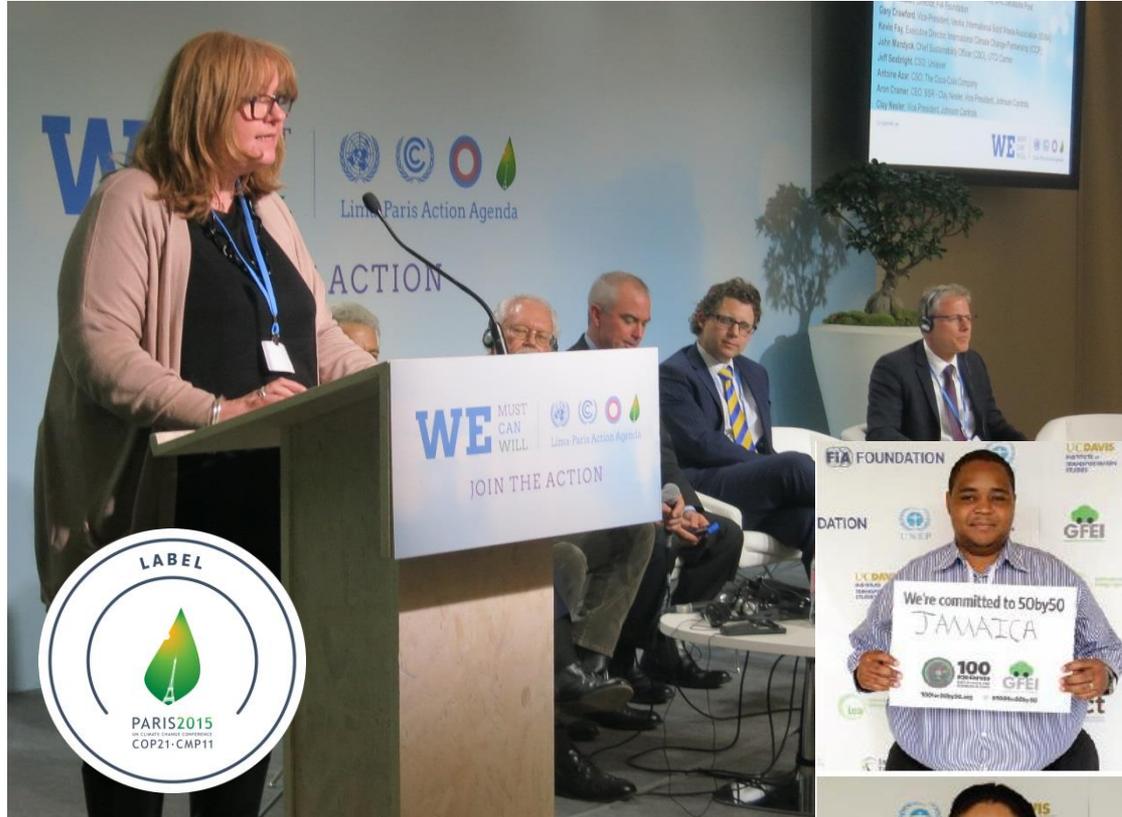
- Fuel Economy Standards
- Import restrictions
- Tech mandate
- Fuel Taxes
- Fee-bate



GFEI's '100 for 50by50'



100
FOR 50BY50
SAFE CLIMATE AND
CLEAN AIR AT COP21



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



2Ethiopia	29Bangladesh	64Iran
3Indonesia	30Kazakhstan	65Angola
4Kenya	31Mali	66Bhutan
	32 Nigeria	
5Georgia	33Togo	67Burkina Faso
6Ivory Coast	34Tanzania	68Burundi
7Mauritius	35Rwanda	69Cambodia
8Jamaica	36Bolivia	70Cameroon
9Montenegro		71Cape Verde
	37 Argentina	
10Macedonia	38Ecuador	72D.R. Congo
11Costa Rica	39Ukraine	73Eritrea
12Vietnam	40Jordan	74Fiji
13Morocco	41Colombia	75Guinea
14Bahrain	42Djibouti	76Iran
15Tunisia	43Dominican Republic	77Kyrgyzstan
16Thailand	44Guatemala	78Laos
17Peru	45Moldova	79Lesotho
18Russia		80Marshall Islands
	46 Pakistan	
19Benin	47Barbados	81Mongolia
20Algeria	50St. Lucia	82Namibia
21Uruguay	51Lebanon	83Niger
22Nepal	52Zambia	84Papua New Guinea
23Paraguay	53Ghana	85Senegal
24Sri Lanka	54Malawi	86Sierra Leone
25Philippines	55Zimbabwe	87Solomon Islands
26Uganda	56Honduras	88South Africa
27Egypt		89Tajikistan
	57 Nicaragua	
	58El Salvador	90Turkmenistan
	59Botswana	91Turkey
	60Mozambique	92Armenia
	61Myanmar	93Azerbaijan
	62Liberia	94Serbia
		95Samoa
		96Gambia
		97Uzbekistan
		98Bosnia-Herzegovina
		99Albania



GFEI Global Networking Meeting – Paris – 2016





EVERY JOURNEY.
EVERY CHILD.

“The cars of the future will have to be more efficient. It is vital to have policy approaches that communicate to industry that governments are serious about fuel economy.”

Cornie Huizenga-Secretary General,
SLoCat Partnership on Sustainable Low
Carbon Transport



GFEI is one of SLOCAT's 'quick-win' initiatives to address the climate impact of vehicles



Momentum for change

SUSTAINABLE DEVELOPMENT GOALS



7 AFFORDABLE AND CLEAN ENERGY



13 CLIMATE ACTION



MARRAKECH
COP22|2016|CMP12



Habitat III – New Urban Agenda

54. We commit to the generation and use of renewable and affordable energy and sustainable and **efficient transport**...

118. **technology-based innovations in transport....improving efficiency, connectivity, accessibility, health, and quality of life.**

121. We will ensure....modern energy services by promoting **energy efficiency** in.....sectors, such as residential, commercial, and industrial buildings, industry, **transport**



Plans and Challenges

- **More countries – 100 and beyond.**
- **Deliver on NDCs 47% (66%)**
- **Greater political engagement...COP22, G20, SDGS**
- **Wider engagement**
- **Scope – HDVs, EVs**

But.....

- **Resources...!**





THANK-YOU

info@globalfueleconomy.org

