The Importance of national policies for Fuel Efficient Vehicles

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

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The Global Fleet is set to triple, with 90% of this growth taking place in developing countries.
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
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.

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.

Reduced dependence on oil

Air quality benefits
From associated improved vehicle emissions standards
FUEL ECONOMY
STATE OF THE WORLD 2016

Global Progress

FUEL ECONOMY
Average LGE/100km

2005
2013
OEC COUNTRIES
8.6
6.9
-1.7

NON-OECD COUNTRIES
7.3
7.2
-0.1

FUTURE VEHICLE GROWTH TRENDS

Number of vehicles (m)

2010 2020 2030 2040 2050

OECD PASSENGER VEHICLES
NON-OECD PASSENGER VEHICLES
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

GFEI recognized as leading vehicle efficiency initiative

Achim Steiner ‘a model alliance that should inspire other sectors’
WHAT DOES GFEI DO?

RAISING GLOBAL AWARENESS

IN-COUNTRY POLICY SUPPORT

RESEARCH AND EVIDENCE

G20 2016 CHINA

SUSTAINABLE DEVELOPMENT GOALS

CLIMATE ACTION

AFFORDABLE AND CLEAN ENERGY

CLIMATE SUMMIT 2014
Catalyzing Action
CLIMATE 2014

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CLIMATE SUMMIT 2014
Catalyzing Action
CLIMATE 2014
GFEI's '100 for 50by50'

- $7 million funding
- New research
- 40 new countries
GFEI is working with:

### 26 countries in Africa:

### 10 in Asia Pacific
Indonesia, Thailand *, Vietnam *, Bangladesh, Malaysia, Myanmar, Nepal, Philippines, Samoa, Sri Lanka

### 7 in West Asia
Bahrain, Iran, Jordan, Kazakhstan, Turkey, UAE, Uzbekistan

### 6 in Eastern Europe
Georgia, Macedonia, Moldova, Montenegro, Russia, Ukraine

### 18 in Latin America
Argentina, Belize, Bolivia, Chile *, Colombia, Costa Rica, Dominican Republic, Ecuador, El Salvador, Guatemala, Honduras, Jamaica, Nicaragua, Panama, Paraguay, Peru, St Lucia, Uruguay
Out of 159 NDCs:
67% of NDCs (112 NDCs) have highlighted specific transport mitigation measure and 45% of NDCs (71 NDCs) have proposed measures to improve fuel economy of vehicles.
“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
Action since COP21

Global Fuel Economy Initiative: An update for COP22
GFEI’S MESSAGES FOR MARAKECH

1. GFEI is delivering ambitious action on sustainable mobility

2. GFEI has added 40 new countries since COP21

3. GFEI is launching an action update with a focus on Africa
4. GFEI is planning a major African event in 2017

5. GFEI is contributing to debates on HDVs and EVs

6. GFEI is a Transport ‘Quick Win’
THANK-YOU

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