

Improving Automotive Fuel Economy as part of INDCs and NAMAs

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Global Fuel Economy Initiative


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


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

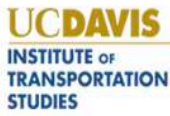
THE GFEI FUEL ECONOMY TARGETS

From 2005 baseline:

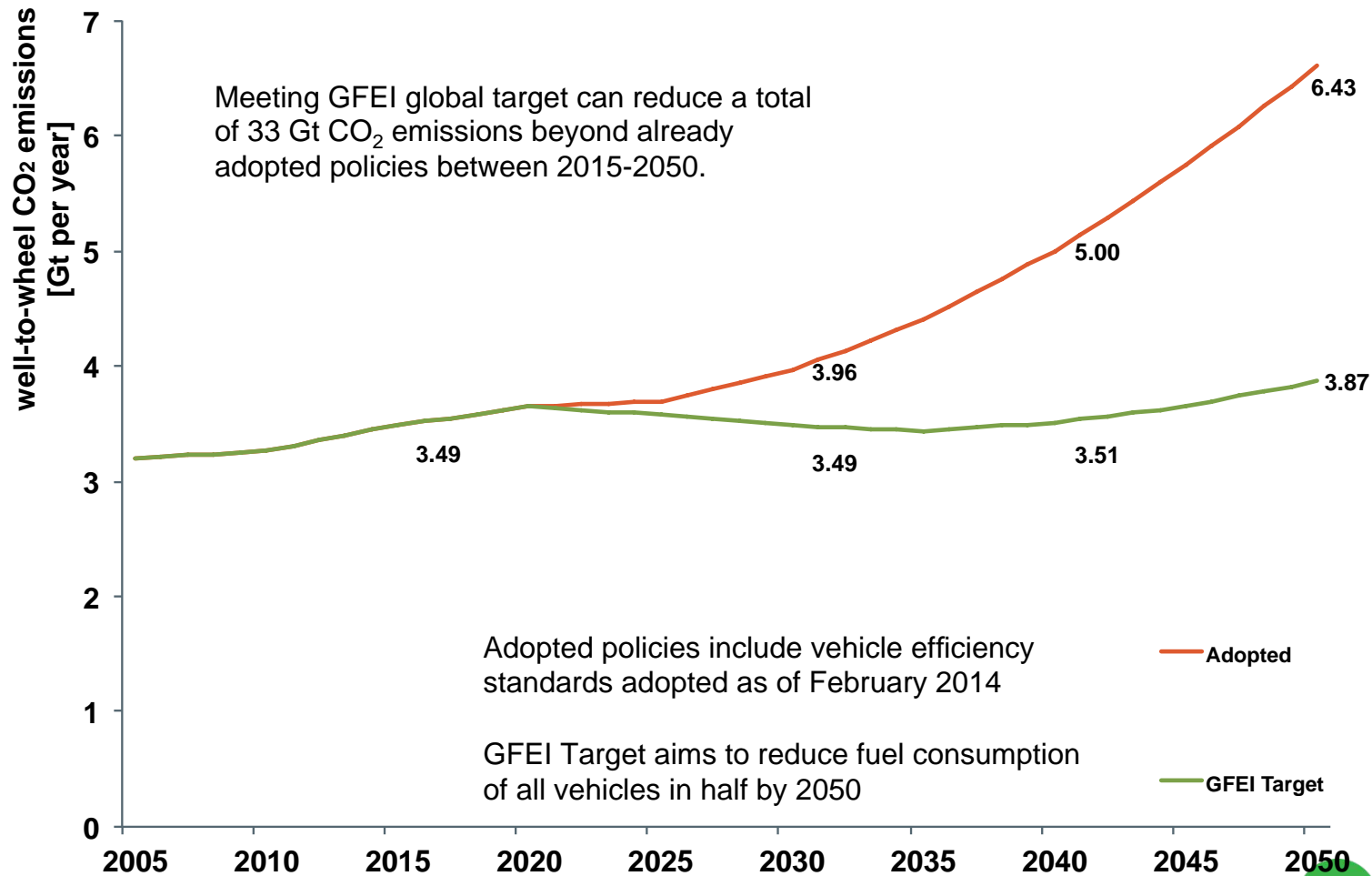
-  reduction in L/100km by 2020 in all new cars in OECD countries

-  by 2030 in all new cars globally

-  by 2050 in all cars globally



Meeting GFEI targets can stabilize global light-vehicle CO₂ emissions, despite a near tripling of vehicle fleet



Source: ICCT Roadmap Model



RESEARCH

IN-COUNTRY POLICY SUPPORT

GLOBAL CAMPAIGNS

GLOBAL FUEL ECONOMY INITIATIVE
www.globalfuelconomy.org

● HOME ● ABOUT ● SUPPORT GFEI ● UPDATES ● PUBLICATIONS ● FAQ



Working Paper 9

Read 'How vehicle fuel economy improvements can save \$2 trillion...'
>

View all Working Papers >

Fuel Economy and the UN's Post 2015 SDGs

Click here to download the leaflet >

GFEI State of the World 2014

Learn about the

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GFEI Updates

- US Foundation urges G20 to act on Fuel economy
- Global Environment Fund (GEF) Funding supports GFEI's next steps
- GFEI Co-Organizes Russia's First Specialized Auto Fuel Economy Event



Russia



In-Country Policy Work:

Global Environment Facility (GEF) - \$2.3 million for work

Piloted in 4 countries

Expansion with 15 countries in second phase, including Peru.

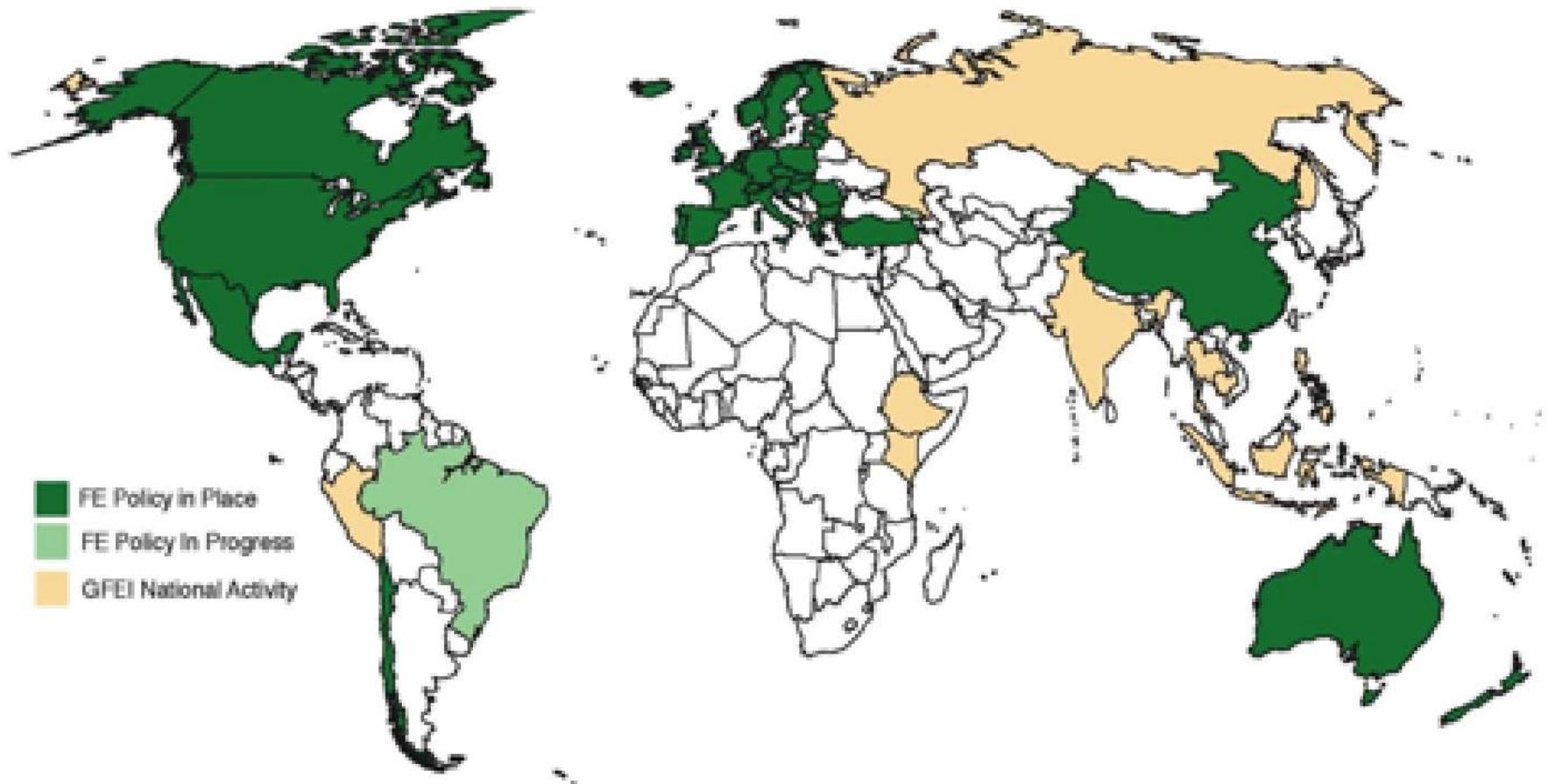


China



Engagement in progress with further 25 countries

Global Progress on Fuel Economy Policy: Global Fuel Economy Initiative (GFEI)



March 2014 Update. For additional information visit www.globalfuelconomy.org



GFEI is now recognised as the leading initiative on fuel economy globally, and is supporting countries in their INDC and NAMA activities:

- Accelerator Platform in SE4ALL and Climate Summit



G20 – Energy Efficiency Working Group

'consider strengthening support for and participation in the Global Fuel Economy Initiative (GFEI)....the G20 may also consider further GFEI's overall aim of improving fuel efficiency by 50 per cent by 2050.'



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*

GFEI Toolkit with country case studies



CLEANER, MORE EFFICIENT VEHICLES



ABOUT GFEI



USER'S GUIDE



COUNTRY INFO



QUESTIONNAIRE



CONTACTS

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Instruments
Case Studies
Resources
Global View

Global View
Europe
North America
Latin America
Africa
MEWA
Asia Pacific

INSTRUMENTS
Fuel Economy Standards
Import restrictions
Tech mandate
Fuel Taxes
Fee-bate
Buy-back
Penalties
Other tax instruments
Registration fees

GLOBAL VIEW

NAVIGATOR



The information contained on this website is intended as practical guidance coupled with examples of auto fuel economy policies and approaches in use around the world. It is not a complete collection of all national examples, nor does it track national and global progress on improving auto fuel economy. It is a work in progress and is updated regularly. This website does not support IE 5 and below.



Download Flash Player

www.unep.org/transport/gfei/autotool



Feebate Simulation Tool

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

FEEBATE FUNCTION CONTROL PANEL

QUICK START

Choose country: Germany Submit

Start year: 2014

Run
View Results

PIVOT POINT CONTROL ?

Annual adjustment based on observed changes

Revenue neutral system

METRICS ?

CO2 Emissions

UNITS

Kilometers

Liters ▼

Update

FEEBATE FUNCTION SHAPE CONTROL

Shape examples Linear ? Pivot Poir 168

How many sections?	1	2	3	4
Mid-section values	0	96	192	288
Shape of the individual section	SLOPED	SLOPED	SLOPED	SLOPED
Reference CO2	N/A	N/A	N/A	N/A
Rate USD per g of CO2 / Kilometer	30	30	30	30

Advanced Controls

CO2 Emissions, grams of CO2 / Kilometer

21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37

Start Here
Feebate Design
Results
Input Data
Feedback
Budget_Control
Consumer_Behaviour
Manufacturer_Behaviour



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