



G20 TRANSPORT TASK GROUP – 2018 UPDATE

FIRST IN-PERSON MEETING

SEPTEMBER 25, 2018

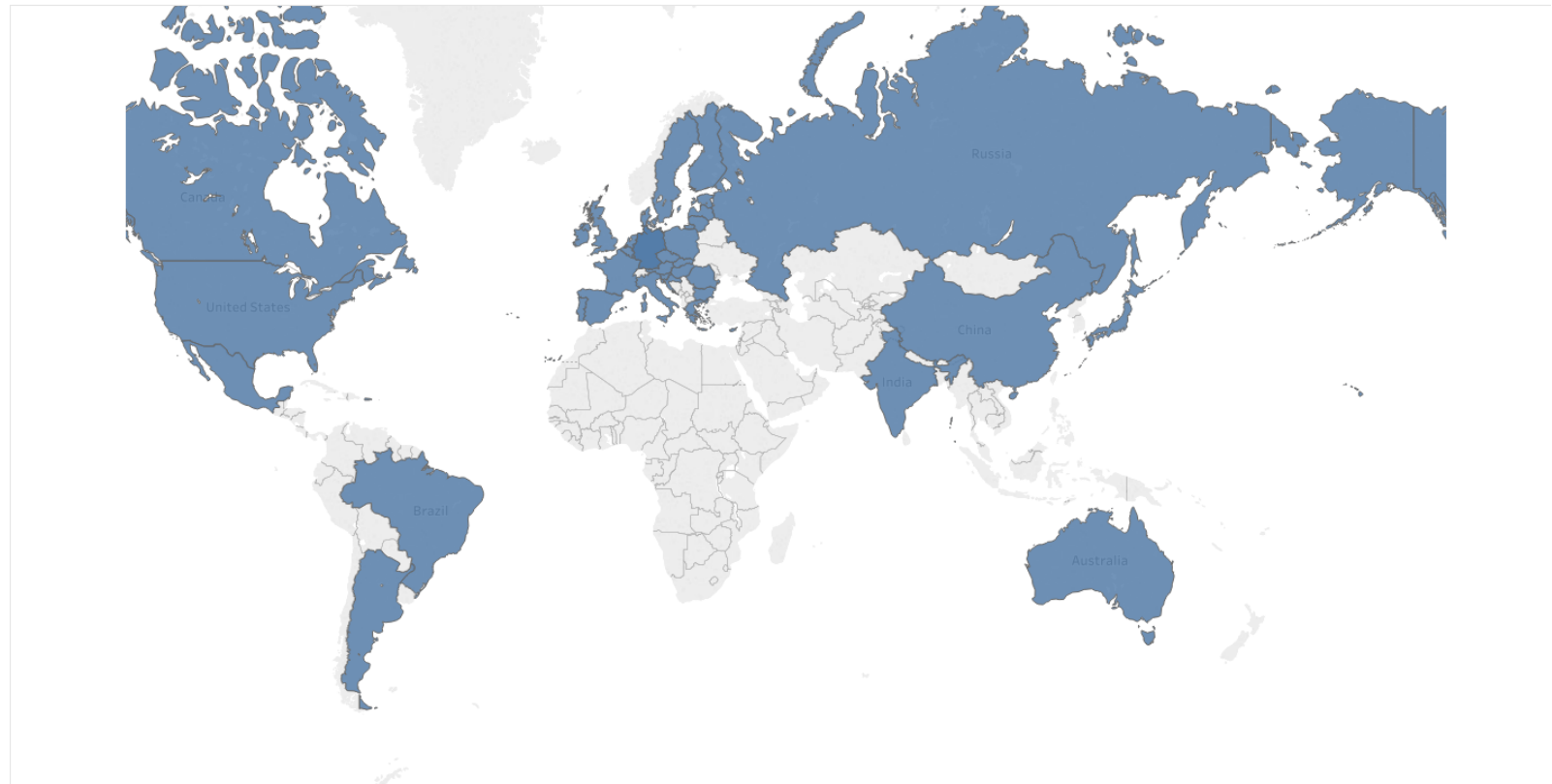
DIANA GALPERIN AND JOSH MILLER



WHAT IS THE TTG?

- A voluntary platform for G20 countries to share respective experience and work together to improve the energy and environmental performance of motor vehicles, especially HDVs.
- 14 participating economies: Argentina, Australia, Brazil, Canada, China, **the EU (co-lead)**, Germany, India, Italy, Japan, Mexico, Russia, the United Kingdom, and **the United States (co-lead)**.
- Two implementing organizations: International Council on Clean Transportation (ICCT); Global Fuel Economy Initiative (GFEI).
- Administered by the International Partnership for Energy Efficiency Cooperation (IPEEC).

TTG Members



Map based on Longitude (generated) and Latitude (generated). Details are shown for Country.

MISSION AND SCOPE

Build	Build domestic support and enhance capability for action to reduce the energy and environmental impacts of motor transport, especially heavy-duty vehicles (HDVs).
Identify and exchange	Identify and exchange best practices among G20 countries on the implementation of cost-effective energy efficiency and emission control measures in the transportation sector.
Conduct	Conduct analysis and outreach to assess the opportunities, barriers, costs and benefits of HDV energy efficiency action, and subsequently recommend a course of action for participating G20 countries.

WHY HEAVY-DUTY VEHICLES?

Targeting HDVs can benefit the economy, climate, air quality and public health.

- Small fraction of the on-road vehicle fleet accounts for 40% of its energy use and CO₂
- Proven technologies can dramatically reduce particulate matter and ozone precursors
- Reducing diesel black carbon has multiple benefits for health and climate
- Growing importance given rising demand for road freight and public transport

HEAVY-DUTY VEHICLES (HDVS) INCLUDE TRUCKS AND BUSES WEIGHING > 3500 KG

FOUR-PART SOLUTION

1

1. Improve fuel quality by reducing fuel sulfur levels to near-zero

- Reduces air pollution; enables advanced emission control technologies

2

2. Introduce stringent tailpipe emission standards

- Reduces air pollution and black carbon emissions

3

3. Adopt fuel efficiency standards

- Reduces CO₂ emissions and petroleum consumption

4

4. Establish national and regional green freight programs

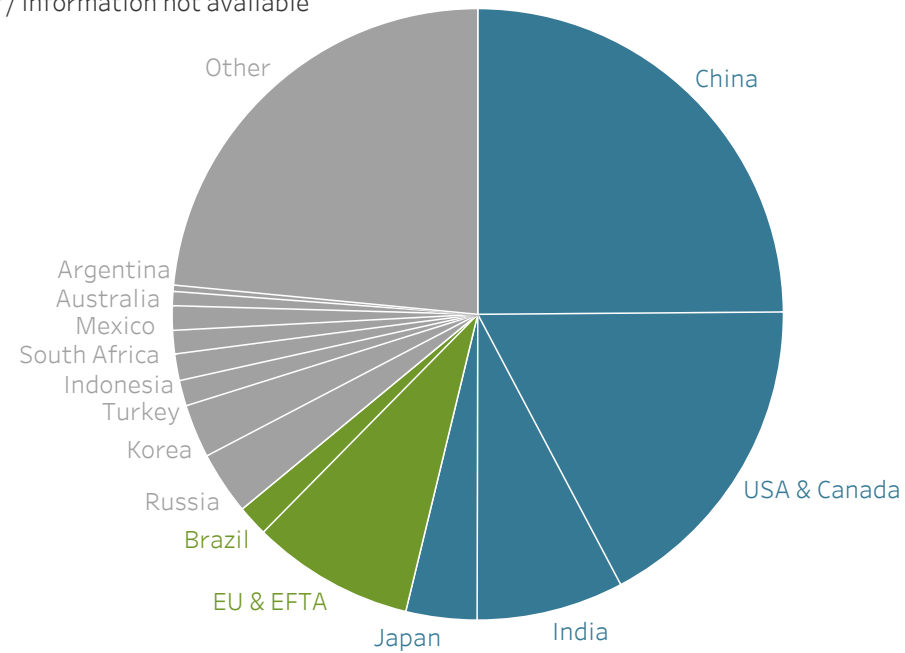
- Reduces fuel consumption and pollutant emissions

FIVE G20 ECONOMIES HAVE ADOPTED HDV EFFICIENCY STANDARDS

Share of global new HDV sales in economies with HDV efficiency standards

Status of HDV efficiency standards

- Adopted one or more phases
- First phase proposed or formally under development
- Other / information not available

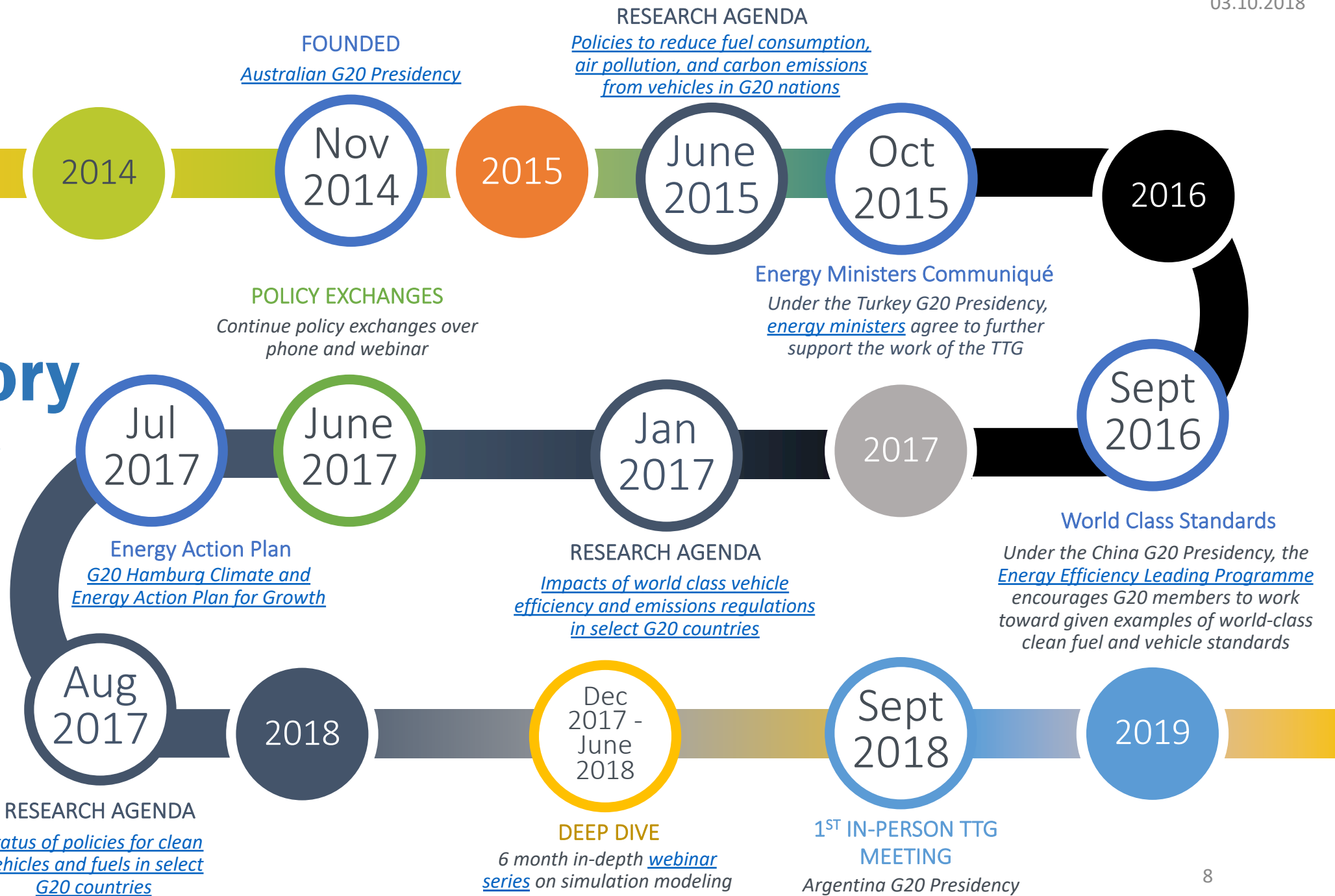


CURRENT TTG ACTIVITIES

Deep Dives	Build domestic support and enhance capability for action to reduce the energy and environmental impacts of motor transport, especially HDVs.
Policy Exchanges	Identify and exchange best practices among G20 countries on the implementation of cost-effective energy efficiency and emission control measures in the transportation sector.
Research Agenda	Conduct analysis and outreach to assess the opportunities, barriers, costs and benefits of HDV programs, and subsequently recommend a course of action for participating G20 countries.

TTG History

from 2014 to 2018

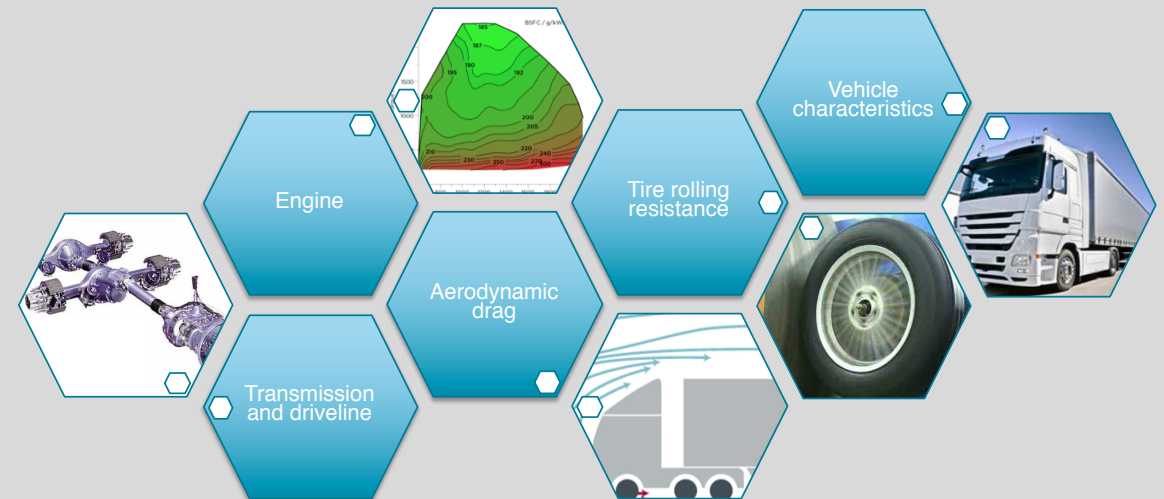


OBJECTIVES OF THE TTG DEEP DIVE IN 2018

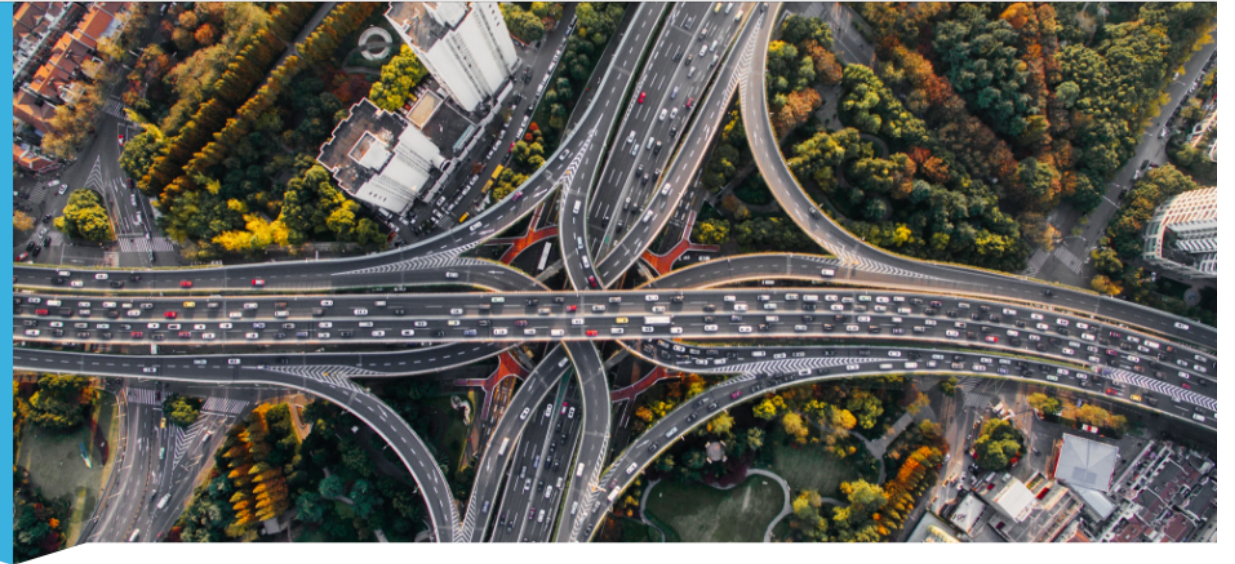
Support voluntarily participating G20 TTG members to:

- (1) measure and certify HDV fuel consumption
- (2) design and implement HDV efficiency labeling programs and standards
- (3) tailor existing methodologies and simulation models (i.e. GEM and VECTO) to suit new regional contexts, avoiding the need for brand new methods
- (4) leverage G20 process to expand support for HDV efficiency programs

Example: Five key components need to be measured to provide inputs for simulation tools.



TransportPolicy.net provides comprehensive, up-to-date, and sourced information on energy and environmental regulations in the transportation sector worldwide, with a focus on vehicles and fuels.



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WHERE TO NOW?

Technical Expertise?

- Behavior
- Technologies
- Fuels
- Systems
- Standards
- Governance
- Compliance

Knowledge Sharing?

- Topics
- Audience
- Format
- News/Updates

G20 Engagement?

- Scope
- Partnerships
- Visibility

01

Policy exchanges,
G20, and Big Picture

02

Research Agenda

03

Deep Dive and
Simulation Tools

BREAKOUT GROUPS