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Second In-person Meeting

G20 Transport Task Group

28-31 October, Japan

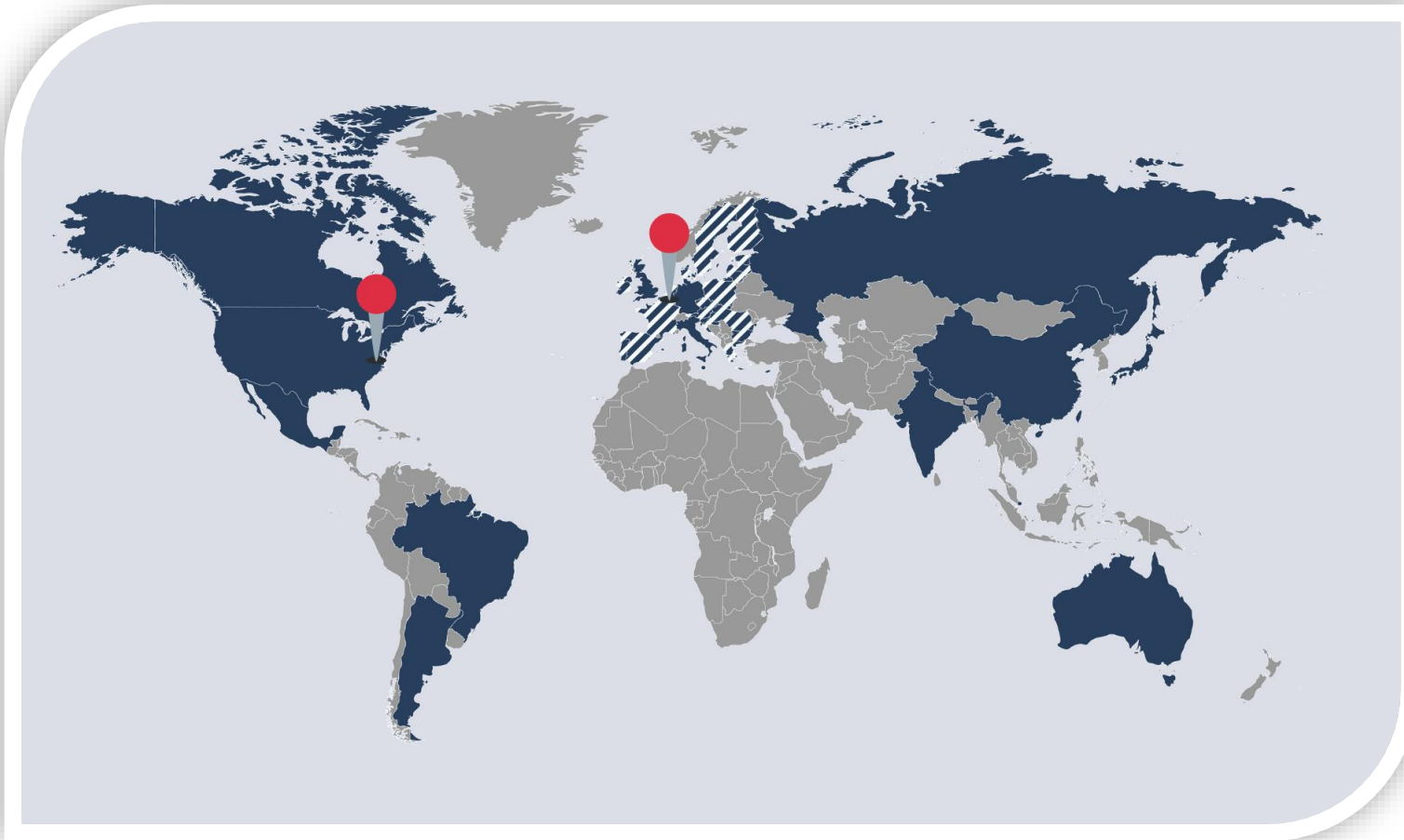
Sectoral importance and Purpose



- The transport sector accounts for $\frac{1}{4}$ of global CO₂ emissions from fuel combustion
- Road transport accounts for $\frac{3}{4}$ of transport CO₂ emissions.
- HDVs account for <5% of the global on-road vehicle fleet but ~40% of its energy consumption
- The TTG is 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.

Build	Build domestic support and enhance capability for action to reduce the energy and environmental impacts of transportation.
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 sector.
Analysis and outreach	Assess the opportunities, barriers, costs and benefits of policy options, and recommend a course of action for participating G20 countries.

Members of TTG



- **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 supports G20 economies in achieving air quality and public health objectives

- Transport tailpipe emissions linked to 385 (274–493) thousand premature deaths from ambient PM_{2.5} and ozone in 2015.
- Global transport health impacts increased 6.6% from 2010-2015.
- An estimated 84% of premature deaths and nearly \$1 trillion in health damages were in G20 economies.

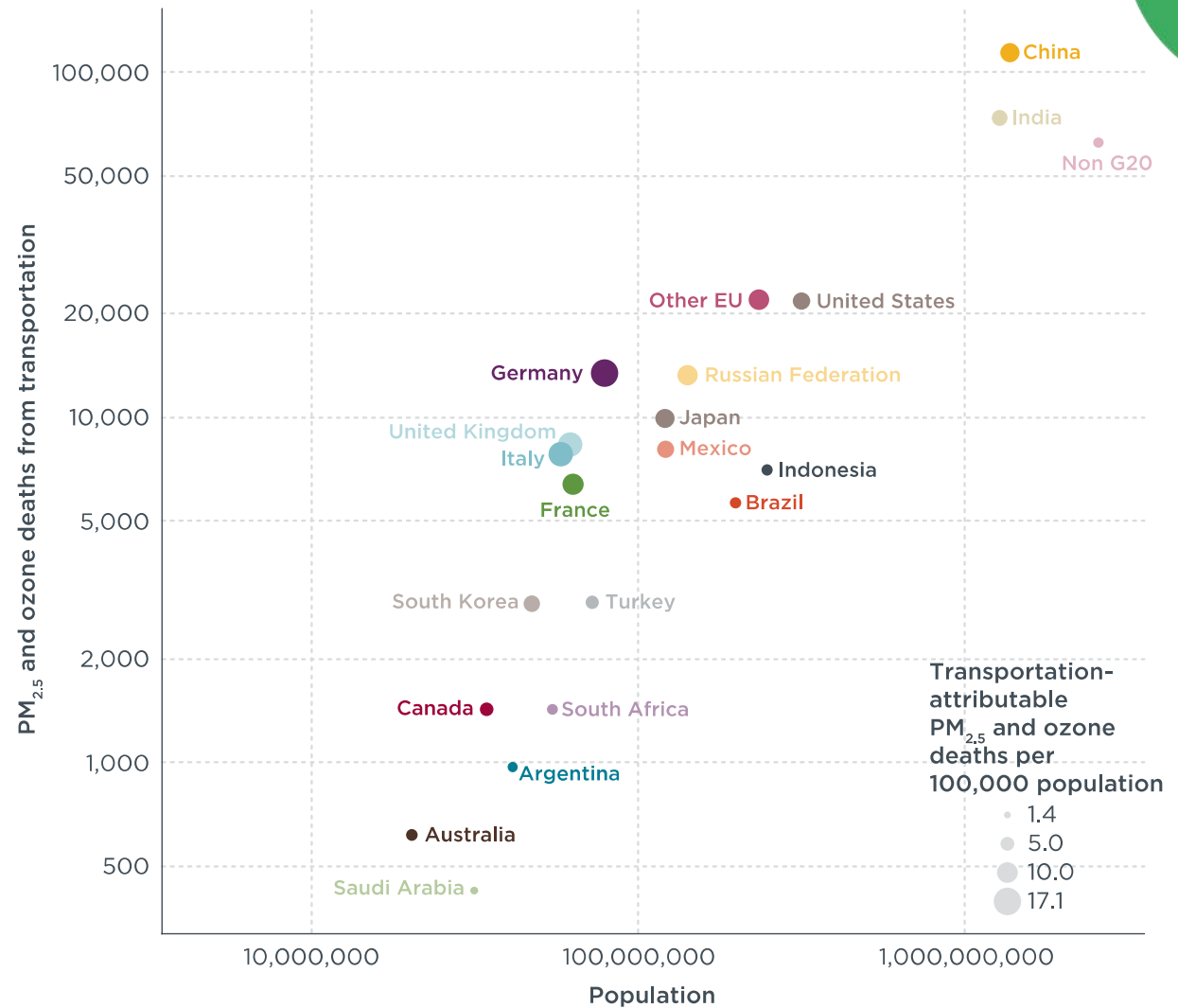


Figure 8. Transportation-attributable PM_{2.5} and ozone deaths, associated mortality rates, and population in G20 economies in 2015.

Five principles for reducing air pollution from transportation



1.

Establish a legal framework for reducing emissions

- Air quality standards
- Transboundary agreements
- National emissions ceilings
- Nationally Determined Contributions

2.

Prioritize and plan a course of action

- Emissions inventory
- Vehicle emissions measurement
- Air quality monitoring
- Cost-benefit analysis
- Air quality action plans

3.

Ensure vehicles entering the fleet are as clean as possible

- Standards for new vehicles/engines and fuels
- Compliance and enforcement
- Zero-emission vehicle policies
- Feebates

4.

Clean up the existing vehicle fleet

- Identify and eliminate high-emitting vehicles
- Fleet transition through procurement and accelerated turnover
- Introduce low-emission zones in highly-impacted areas
- Economic incentives

5.

Promote a more sustainable transport system

- Public transport improvements
- Pedestrian areas
- Walking and bicycling networks
- Bicycle and car sharing systems
- Planning more liveable cities
- Speed limits
- Parking management and pricing



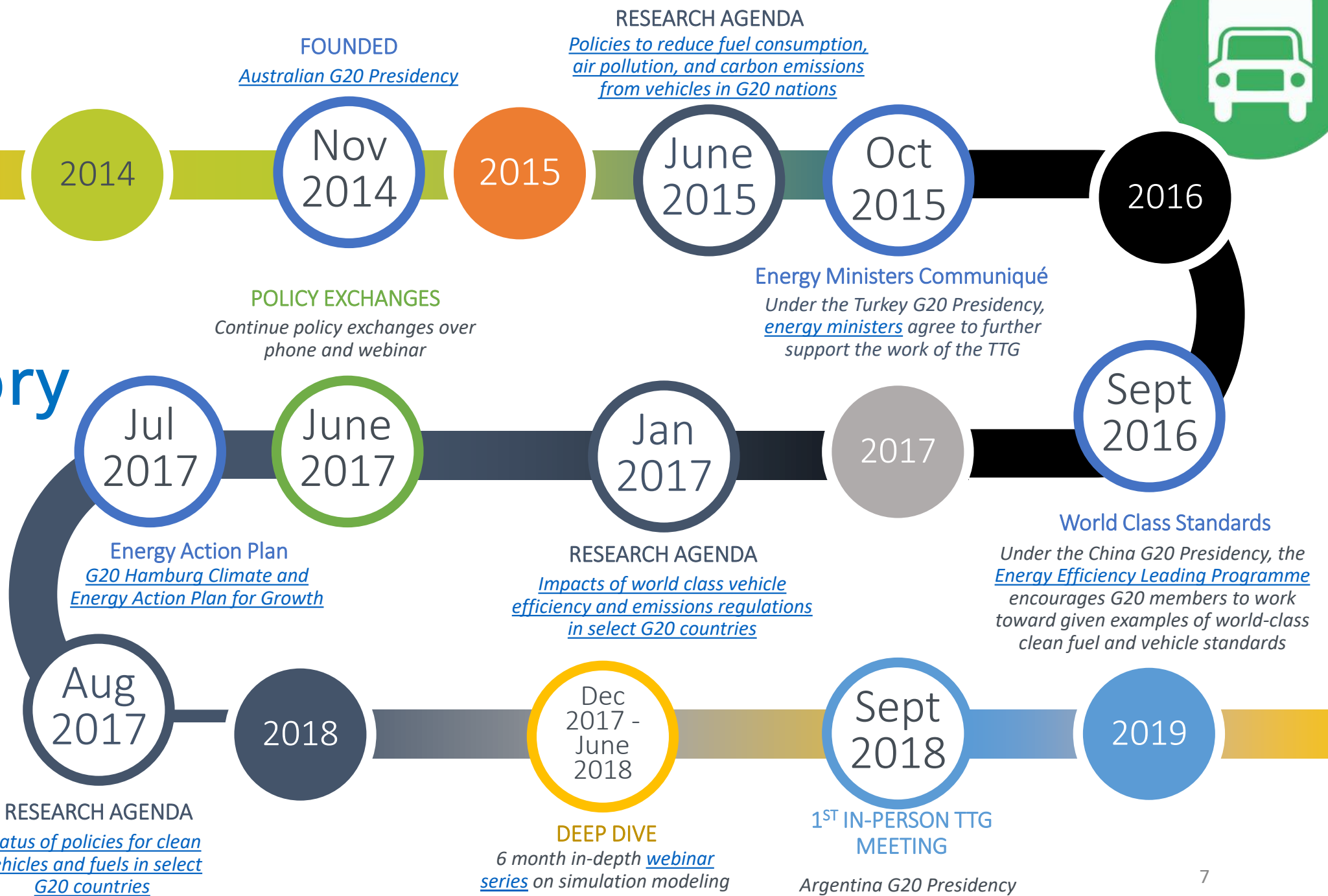
Value of international cooperation

- Rapid growth and complexity of the transport sector poses a challenge to policymakers
- Policy options span regulatory, fiscal, and voluntary measures, often involving multiple ministries
- Technical issues span efficiency and emissions measurement, vehicle technology, electric vehicles, compliance programs, regulatory impact assessment
- TTG participants noted the challenge and opportunity to think bigger and the value of a collaborative forum to facilitate the exchange of ideas quickly and readily



TTG History

from 2014 to 2018



First Working Meeting in Buenos Aires, Argentina (September 24-25, 2018)



- Took stock of progress on HDV efficiency and emissions in G20 economies
- Strategic discussion of the group's activities and vision for the coming years
- Attended by **7** G20 economies (see [meeting report](#))





Key Activities of the TTG in 2019

- Landmark project: HDV Efficiency Labeling and Standards
 - 2nd phase: Argentina HDV efficiency testing, India HDV simulation tool adaptation
- Conducted 7 international webinars (knowledge exchanges) to date in 2019
 - Behaviour change principles and actions in Transportation
 - Zero-emission vehicles
 - Consumer perspective and incentives
 - Technology status and cost-competitiveness
 - Charging infrastructure and usage
 - Policy updates (e.g. EU final rule on HDV CO2 emissions)
 - Japan's new car fuel efficiency standards in a global context
 - City-level actions to measure and reduce vehicle emissions

New Communication Platform



G20 Transport ...

Diana Galperin

Jump to...

Threads

Channels

behavior-change

deep-dive-topics

exchange-topics

g20

heavy-duty-vehicles

how-to

icct-publications

literature-health

new-project-ideas

policy-updates

public-general

ttg-2019-meeting

ttg-general

ttg-leads

ttg-meetings

ttg-random

zero-emission-buses

zev

Direct Messages

#public-general

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Company-wide announcements and work-based matters

Wednesday, September 11th

TRUE Initiative: Policy context and applications of remote sensing data in London
Oliver Lord, Greater London Authority

The C40 Green & Healthy Streets Declaration
Caroline Watson, C40 Cities Climate Leadership Group

Register here: <https://theicct.us20.list-manage.com/track/click?u=8d4e78d1b5150912b9ac33c9b&id=3fb8b415d6&e=11e51fa0ed>

We will be following the discussion live on the exchange-topics channel!

Yesterday

Rashmi Jawahar

12:14 PM

Sharing a presentation 'EVs, Mobility, Climate Policy and the Three Transportation Revolutions' by Daniel Sperling at the IEA today.

PDF

Final_3Rs + EVs IEA 10-24-19.pdf

2 MB PDF

EVs, Mobility, Climate Policy and the Three Transportation Revolutions"

Daniel Sperling

Distinguished Blue Planet Prize Professor
Founding Director, Institute of Transportation Studies
University of California, Davis

and

Board Member, California Air Resources Board

IEA

24 October 2019

UC DAVIS UNIVERSITY OF CALIFORNIA

Message #public-general

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Upcoming activities and opportunities



- **Working Meeting in 2019 (28-30 October in Tokyo)**
 - Take stock of progress in 2019 and discuss plans for 2020 activities
 - Brief the group on the TTG's country-specific activities in 2019
 - Special topics include future standards, innovative technologies, compliance and enforcement, and strategies to reduce air pollution and health impacts
- **Knowledge exchanges and webinars**
 - *Accelerating progress toward world-class vehicle emissions* *Progress on world-class emissions standards in G20 economies – 5 December*
 - (Topics for 2020 to be identified in upcoming TTG meeting)
- Further **developing partnerships** with G20 countries and G20-adjacent countries, international organizations, and multi-lateral organizations
- Organizing **knowledge and policy exchanges** in a webinar format
- **Country outreach:** Argentina, Brazil, South Africa, India and others
- Adapting **heavy-duty vehicle simulation models** to region-specific parameters
- In-person meetings

Thank you!

