

# International Research Group on Fuel Economy and Clean Fuels and Vehicles

International Research Group (IRG) to the Eastern Asia Society for Transportation Studies (EASTS)

Authorized by the Board of EASTS on September 20, 2017 with IRG code: IRG-33-2017

# Purpose and Mission of IRG

## Overall Objective

To serve as a platform for collaboration, networking and partnership on fuel economy, and clean fuels and vehicles in East Asia especially the ASEAN region.

The IRG is expected to develop policy-relevant research and pool existing academic capacities, drawing from the research institutions, academic and expert societies and network of the members.

# Purpose and Mission of IRG

## Specific Objectives

a) to evaluate the implementation of existing clean fuels and vehicles and fuel economy policies and measures in selected countries in East Asia, and identify knowledge and data gaps which must be closed in order to advance clean transport (e.g. the potential to reduce fuel consumption and emissions, costs-benefit analysis of measures such as standards, tax and labelling schemes or smart driving technologies, eco-driving etc.)

# Purpose and Mission of IRG

## Specific Objectives

b) To establish methodologies and to collect and analyze data to facilitate evidence-based decision-making, including on-road and laboratory test procedures for the assessment of clean fuels and vehicles and fuel economy; and,

c) To review research and development (R&D) trends in the region and identify local/national requirements based on interaction with decision-makers from government and industry.

# Research Plan and Schedule

Oct. 2017 – Sep. 2018)

Overview of the potential for reducing fuel consumption and emissions, the status of clean vehicles and fuels and fuel economy programs, current policies, measures and institutions as well as current R&D and technology assessment.

(Oct. 2018- Sep. 2019)

Case studies on clean fuels and vehicles and fuel economy to document lessons learned and success stories at the national and local level

Research leading to the development of guidelines on transportation and economic impact studies and on-road and laboratory test procedures for the assessment of clean fuels and vehicles.

# Research Plan and Schedule

(Oct. 2019 – Sep. 2020)

Development of a synthesis report on clean fuels and vehicles and fuel economy in the region, including policy recommendations and a comparison with other regions

# Possible Funding Support

- GIZ Transport and Climate Change (TCC) Project
- EASTS International Cooperative Research Activity (ICRA) Grant

# Members

## Philippines

- Dr. Vergel (UP-NCTS/ICE), Dr. Abaya (UP-NCTS),  
Dr. Quiros (UP-NCTS/DME/VRTL), Dr. Abuzo (XU-COE),  
Dr. Guillen (DOTr), Mr. Mejia

## Vietnam

- Dr. Tuan (HUST-STE), Dr. Vu (LQDTU-FMEET), Dr. Vinh (HUST-STE)

## Malaysia

- Dr. Gitano-Briggs (UKL)

## Thailand

- Dr. Chollacoop (MTEC), Dr. Saisirirat (MTEC)

## Indonesia

- Assoc. Professor Iman Reksowardojo (ITB)

## Background:

- Draft Roadmap suggests to enhance research collaboration, and the IRG on Fuel Economy is in place

**Discuss** in small groups the research needs that the IRG should look at, specifically:

1. What are the **practical problems** of fuel economy policy-makers which researchers could help to address?
2. Which **research questions** can be formulated based on these problems?

Take 10 min to collect and agree on three ideas for problems/questions