Introductory Roundtable

Transport: Session 0
Jacob Teter
Jakarta, 17 July 2018
#energyefficientworld
Energy Efficiency Training Week: Transport

1. Where to start: Understanding transport energy use
2. Where to start: Understanding and improving the energy efficiency of transport services
3. Toolkit: Data to support policy making and evaluation
4. What are the steps: Sustainable urban transport planning
5. Toolkit: Building the case to finance energy efficient transport policies
6. Activity: Sustainable urban transport projects
   Site visit: TransJakarta
7. Deep dive: Policy instruments available to “improve” the fuel economy of road vehicles
8. What are the steps: How to develop policies
9. Deep dive: Fuel economy policies for Heavy-Duty Vehicles (HDVs)
10. Activity: Improving fuel economy
12. Review and Energy Efficiency Quiz
Meet your trainers

Jacob Teter
Jacob.Teter@iea.org
IEA

Luis Lopez
Luis.Lopez@iea.org
IEA
Meet our guest speakers

Retno Wihanesta  
WRI

Yoga Adiwinarto  
ITDP

Udo Beran  
GiZ
1. Understanding transport energy use

Jacob Teter - IEA, Luis Lopez - IEA

• Analyse the historical trends for energy consumption in the transport sector and the impact of modal choice.

• Introductory quiz on transport, energy use, and emissions.
2. Understanding and improving the energy efficiency of transport services

Jacob Teter - IEA, Luis Lopez - IEA

• An introduction to the ASIF Approach – linking activity and fuel use.

• Understand the drivers of energy use in transport, and the role of transport policy and planning, focusing on the role of “avoid and shift” policies.

• What avoid-shift policies have been tried in your country/city; what has worked; and what have been the barriers to success?

https://www.itdp.org/category/location/indonesia/jakarta/
3. Data to support policy making and evaluation  Till’s two studies

Jacob Teter - IEA, Luis Lopez - IEA

- Data for effective policy making for transport energy efficiency – what’s needed, where to find it and how to use it.

- What data sources for your country exists and how can these be used to inform policy making?

4. Sustainable urban transport planning

Jacob Teter – IEA,

Retno Wihanesta – WRI, Yoga Adiwinarto – ITDP

• Creating high-quality, efficient public transport with changing demand for shared mobility through public support or monetary policies.

• *What are the modal shares in public transit in major cities in your country? What factors limit the potential for further uptake of public transit and non-motorised transport in these cities?*

• Participant presentation: Le Nhan, Transport Development and Strategy Institute, Vietnam
5. Building the case to finance energy efficient transport policies

Luis Lopez – IEA

Udo Beran – GIZ, Yoga Adiwinarto – ITDP

• Prioritising key policies at each jurisdictional level, incorporating: political feasibility, effectiveness, monetary costs & benefits and co-benefits.

• Participant presentation: Novita Sari – GIZ Advisor to ICCTF

6. Activity: Sustainable urban transport projects

Jacob Teter – IEA, Luis Lopez – IEA

- Sustainable urban transport budgeting
- Participants form groups to propose sustainable transport projects in a city in their home country / region.
- Presentations and feedback Wednesday morning
6a. Presentations, Where can I get help?

Jacob Teter – IEA, Luis Lopez – IEA

- Presentation of sustainable urban transport projects
- “Avoid-shift” collaboration platforms
  - Urban Transport
## Site visit: TransJakarta

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7. Policy instruments available to “improve” fuel economy of road vehicles

Jacob Teter – IEA, Luis Lopez – IEA

- **Fuels**: fuel subsidy reform; fuel taxes; fuel quality standards

- **How much of an impact do fuel subsidies have on transport energy efficiency, and how have other countries’ successfully moved from fuel subsidies to taxation?**

- **Vehicles**: fuel economy regulations; emission standards; differentiated vehicle taxes; and supporting zero emission vehicles.
8. What are the next steps? How to develop policies

*Jacob Teter – IEA, Luis Lopez – IEA*

- Benchmarking historical fuel economies
- Setting targets (fuel economy costs and benefits, rationale of GFEI targets)
- Defining policy priorities according to regional needs
- Monitoring, compliance and enforcement

Jacob Teter – IEA

- Benchmarking: vehicle segmentation and duty cycles
- Modelling tools: VECTO / GEM
- Policy design

https://www.theicct.org/
Your Minister asks you to improve fuel economy in your country.

What would YOU do?

Design a basic policy roadmap to improve fuel economy (and/or reduce pollutant emissions) in your country.
10a Short presentations, Where can I get help

- Short presentations

- “Improve” collaboration platforms
  - Global Fuel Economy Initiative
11. Electric Vehicle Initiative (EVI): an introduction

*Jacob Teter – IEA*

- Scaling up EV uptake in developing countries
- Presentation of a project being developed by the IEA and the EVI with the Global Environment Facility (GEF)
- Participant presentation: *Nawaraj Chhetri – UNEP Bhutan*
12. Review and quiz

Jacob Teter and Luis Lopez – IEA
One minute roundtable introductions

Tell us something about yourself in one minute

- Name
- Background
- Current work area
- How do you travel to work?
- How would you like to travel to work?
Making the most of your week

• Be on time
• Participate in the conversation – share ideas, ask questions and listen
• Network and make connections
• Join the Online E4 EE Community – https://community.oecd.org/community/ieae4community
• Enjoy!