

# NAMAs for the Transport Sector

UNEP Regional NAMAs Workshop

5-7 May 2015

Manila, The Philippines

Friedel Sehleier

Climate Change Advisor

GIZ Transport and Climate Change





# Transport...

- ... provides personal **mobility**, enhances **equity & social inclusion**.
- ... facilitates local & international **trade and economic growth**.
- ... leads to productivity losses from **congestion**.
- ... impacts human health from local **air pollution**.
- ... contributes to climate change from **GHG emissions**.



... 24% energy-related CO<sub>2</sub> em.



... fastest growing sector



... GHG em. projected to double by 2050 (BAU)



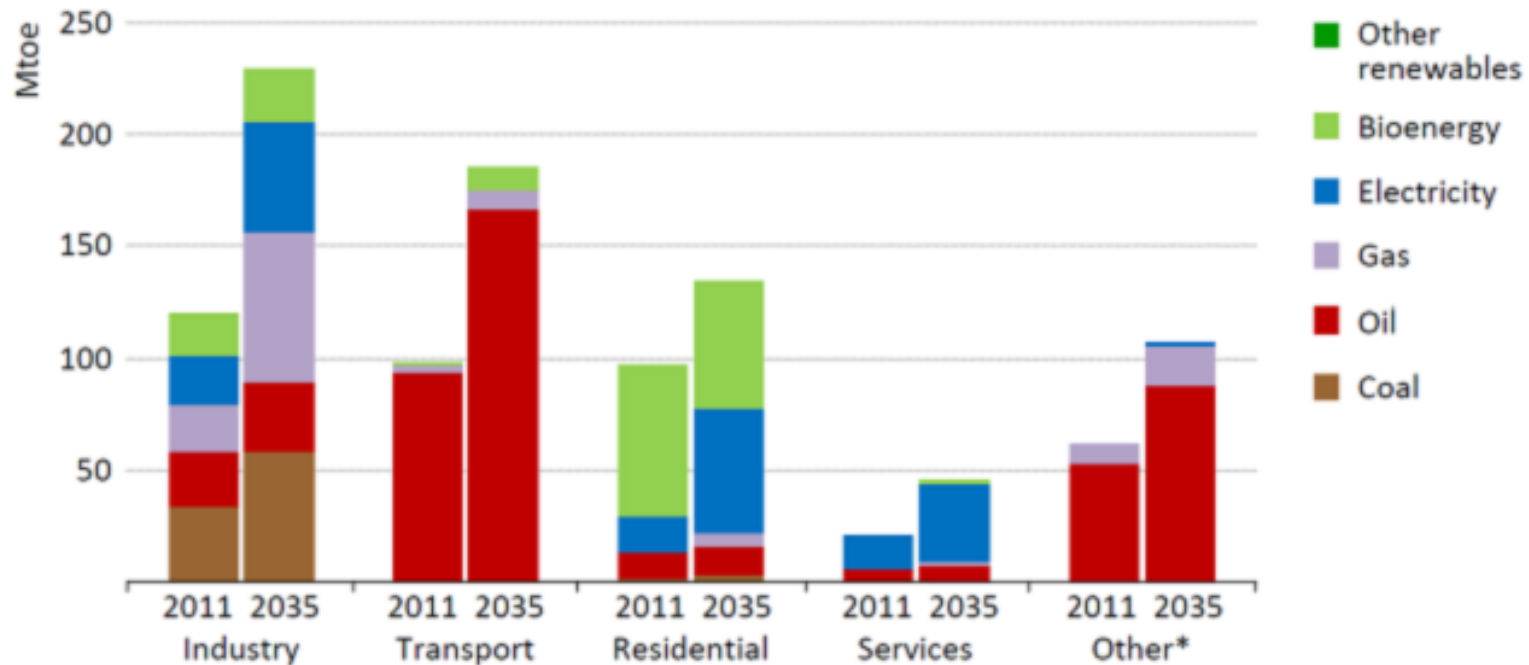
# Energy use of Transport Sector

- In OECD countries, transport accounts for 1/3 of total energy demand
- In ASEAN countries, transport is either biggest or second biggest energy consumer
  - Share of transport total final energy demand (2010):
    - Thailand: **34%** (industry: 30%)
    - Indonesia: **33%** (industry: 42%)
    - Vietnam: **31%** (industry: 42%)
    - Malaysia: **41%** (industry 30%)
    - Philippines: **37%** (industry: 27%)
  - According to IEA , transport is #1 consumer of fossil fuels in ASEAN



# Transport Energy Demand in ASEAN set to grow

Figure 2.3 ▶ ASEAN incremental energy demand by sector

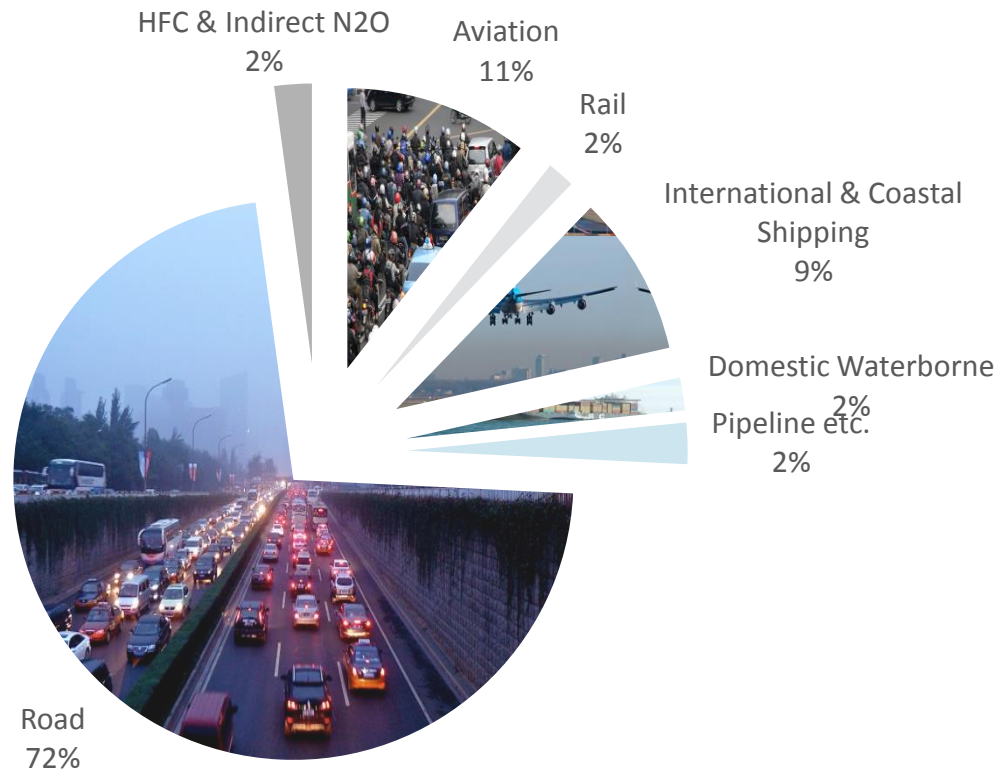


Source: IEA 2013, Southeast Asia Energy Outlook



# Transport Emissions by Mode (2010)

road traffic is responsible for most emissions of transport:





# Avoid – Shift - Improve:

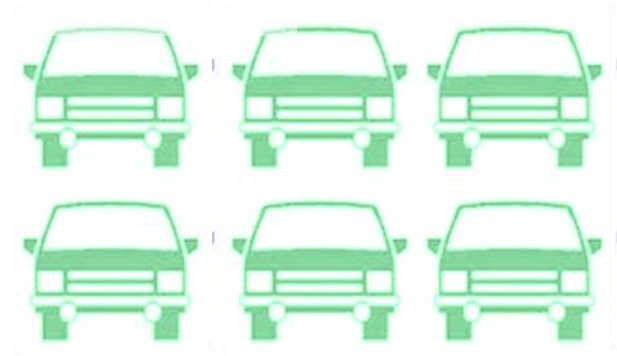
Comprehensive Approach to GHG Reduction

**AVOID**  
unnecessary trips

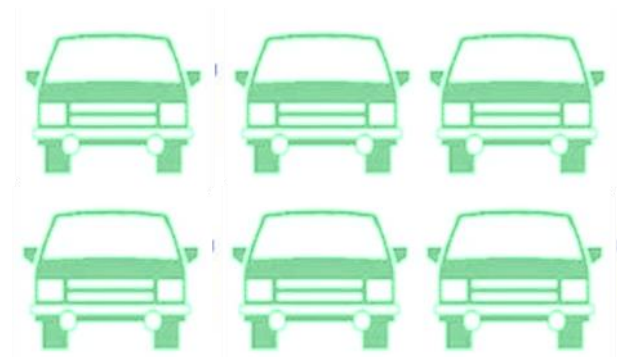
**REDUCE** km



**SHIFT** modes



**IMPROVE** vehicles low  
carbon fuels

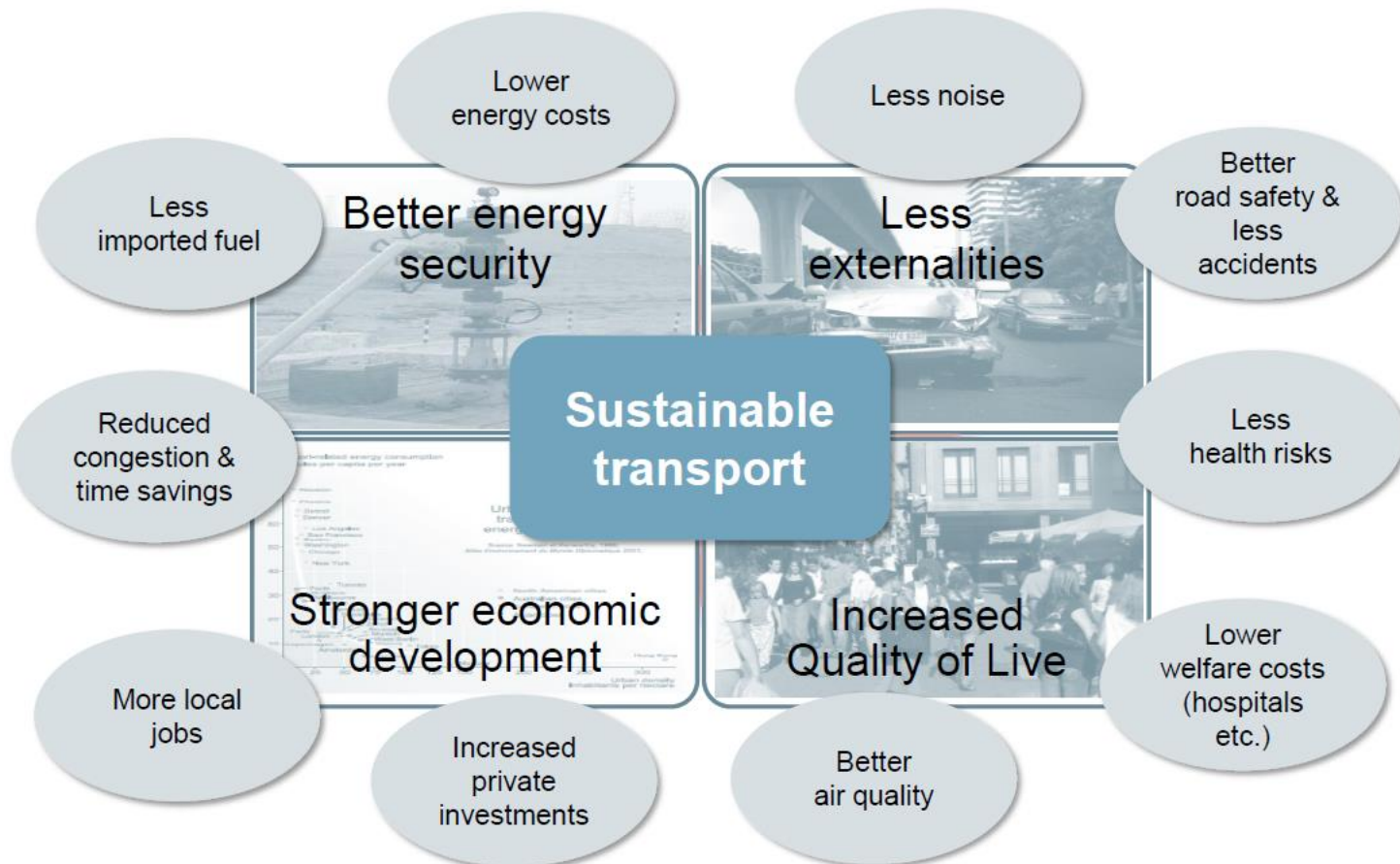




## Transport and climate change

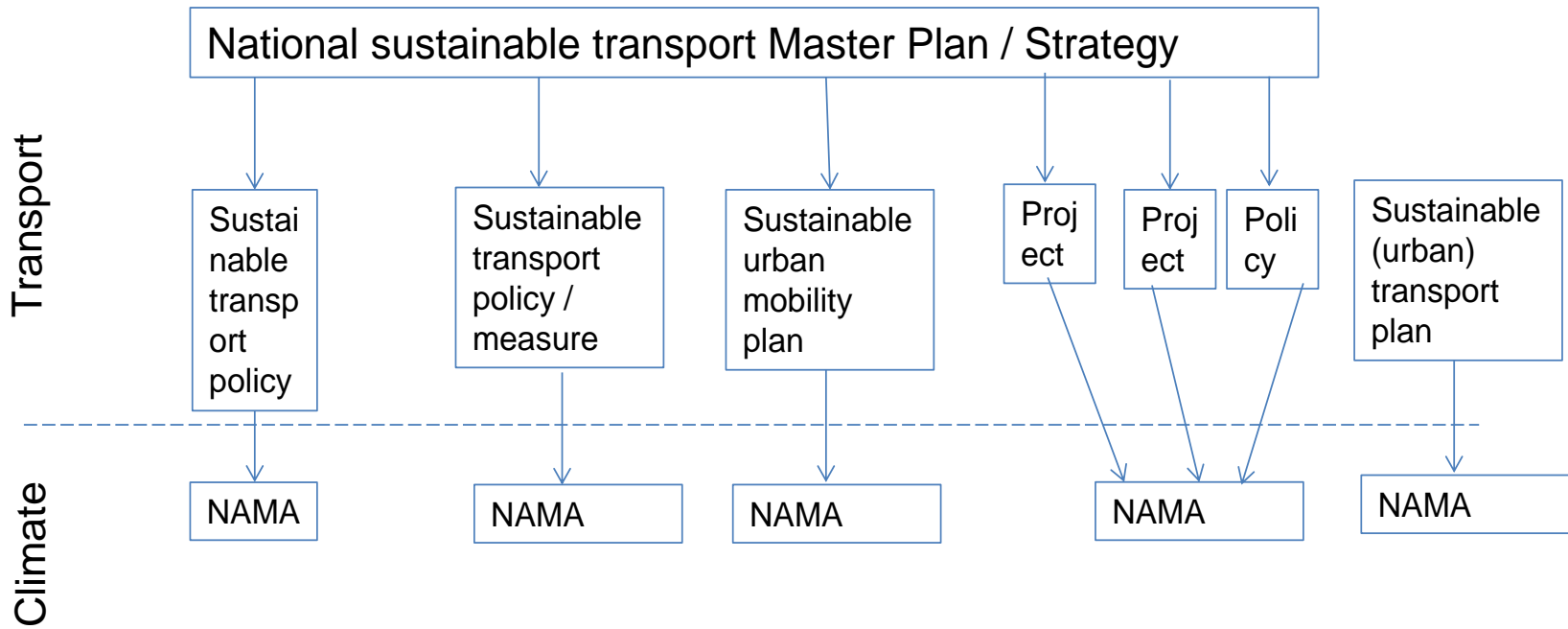


CO<sub>2</sub> not the driver for transport policymakers, it's about sustainable development, with CO<sub>2</sub> reduction as a co-benefit





# transport-NAMA: Connecting transport and climate policy







## NAMAs in any sector...

- ....NAMAs can be more than just a new label for climate-friendly sector initiatives
- ...Are important for the UNFCCC negotiations. Help improving confidence to adopt ambitious reduction goals (INDCs) under the post 2015 climate change regime.
- Potentially broader government buy-in as sector action can be linked to domestic climate change targets in addition to sector policy objectives



## NAMAs in any sector...

- create momentum and providing a structure for more consistent action
- Facilitate the accounting of sector actions in national GHG reporting efforts
- increase the transparency and accountability of domestic efforts at international level



# Transport and climate change



[www.TransportAndClimateChange.org](http://www.TransportAndClimateChange.org)

[www.transportnamas.org](http://www.transportnamas.org)

[www.facebook.com/TransportClimateASEAN](http://www.facebook.com/TransportClimateASEAN)

**Energy Efficiency and Climate Change Mitigation in the Land Transport Sector in the ASEAN Region**

Home The Project News & Events Documents Countries Links Contact Us

**Project Overview**  
In order to move towards sustainable transport in the ASEAN region, this project aims at improving energy efficiency and thereby mitigating greenhouse gas emissions arising from land transport. This requires ensure strategic orientation of decision makers level of national, regional and local.

**Transport & Climate Change**  
A certain level of mobility creates benefits for economic and social development, however the current trends in the transport sector in Asia are unsustainable. Having the 2<sup>nd</sup> largest vehicle fleet in Asia just after China, ASEAN already faces serious problems including congestion, fossil fuel consumption, air pollution and road safety.

giz German Cooperation DEUTSCHE ZUSAMMENARBEIT

giz German Cooperation DEUTSCHE ZUSAMMENARBEIT

giz German Cooperation DEUTSCHE ZUSAMMENARBEIT

giz German Cooperation DEUTSCHE ZUSAMMENARBEIT

Transport and Climate Change in ASEAN

Page Messages Notifications Insights Posts Settings Help

**Transport and Climate Change in ASEAN**  
Non-Profit Organization

472 likes

Reach a new milestone  
500 Likes  
Promote Page

**Timeline** About Photos Likes More

**Status** Photo / Video Offer, Event +

What have you been up to?

Transport and Climate Change in ASEAN  
25 mins ·

"Metro Manila traffic is congested and chaotic, not because it's unmanageable, but rather because it is unmanaged"  
This commentary explains what Manila can learn from Seoul in on reforming the bus system.

In order to move towards sustainable transport in the ASEAN region, our giz project aims at improving energy efficiency and mitigating GHG emissions from...

READ MORE



ABOUT US TRANSPORT NAMAS PROJECTS NEWS/EVENTS EXPERT GROUPS

Nationally Appropriate Mitigation Actions (NAMAs) offer new opportunities to support developing countries in mitigating greenhouse gas emissions in their transport sectors. The TRANSfer project is supporting developing countries to develop and implement climate change mitigation strategies in the transport sector as NAMAs.



Transport and Climate Ch...  
In order to move towards sustainable transport in the ASEAN region, our giz project aims a...  
Like Page · 472 people

As a federal enterprise, GIZ supports the German Government in achieving its objectives in the field of international cooperation for sustainable development.

Published by  
Deutsche Gesellschaft für  
Internationale Zusammenarbeit (GIZ) GmbH  
Registered offices, Bonn and Eschborn, Germany

## ASEAN – German Technical Cooperation

### Energy Efficiency and Climate Change Mitigation in the Land Transport Sector in the ASEAN Region

E [Friedel.Sehlleier@giz.de](mailto:Friedel.Sehlleier@giz.de)  
I [www.TransportAndClimateChange.org](http://www.TransportAndClimateChange.org)

In cooperation with

