



ASEAN – German Technical Cooperation Transport and Climate Change



Implemented by
giz Deutsche Export-Import
Zusammenarbeit GmbH

Sustainable Energy & Technology Asia 2016

23-25 March 2016

Bangkok , Thailand

Green Freight and Logistics

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GIZ



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Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

- Owned by the Federal Republic of Germany
- Organized as a private-sector entity
- Supports the objectives of the German government
- Operations in 130 countries and employs 17,000 staff
- Commissioned by public and private sector bodies inside and outside Germany
- Main commissioning party: the German Federal Ministry for Economic Cooperation and Development (BMZ)





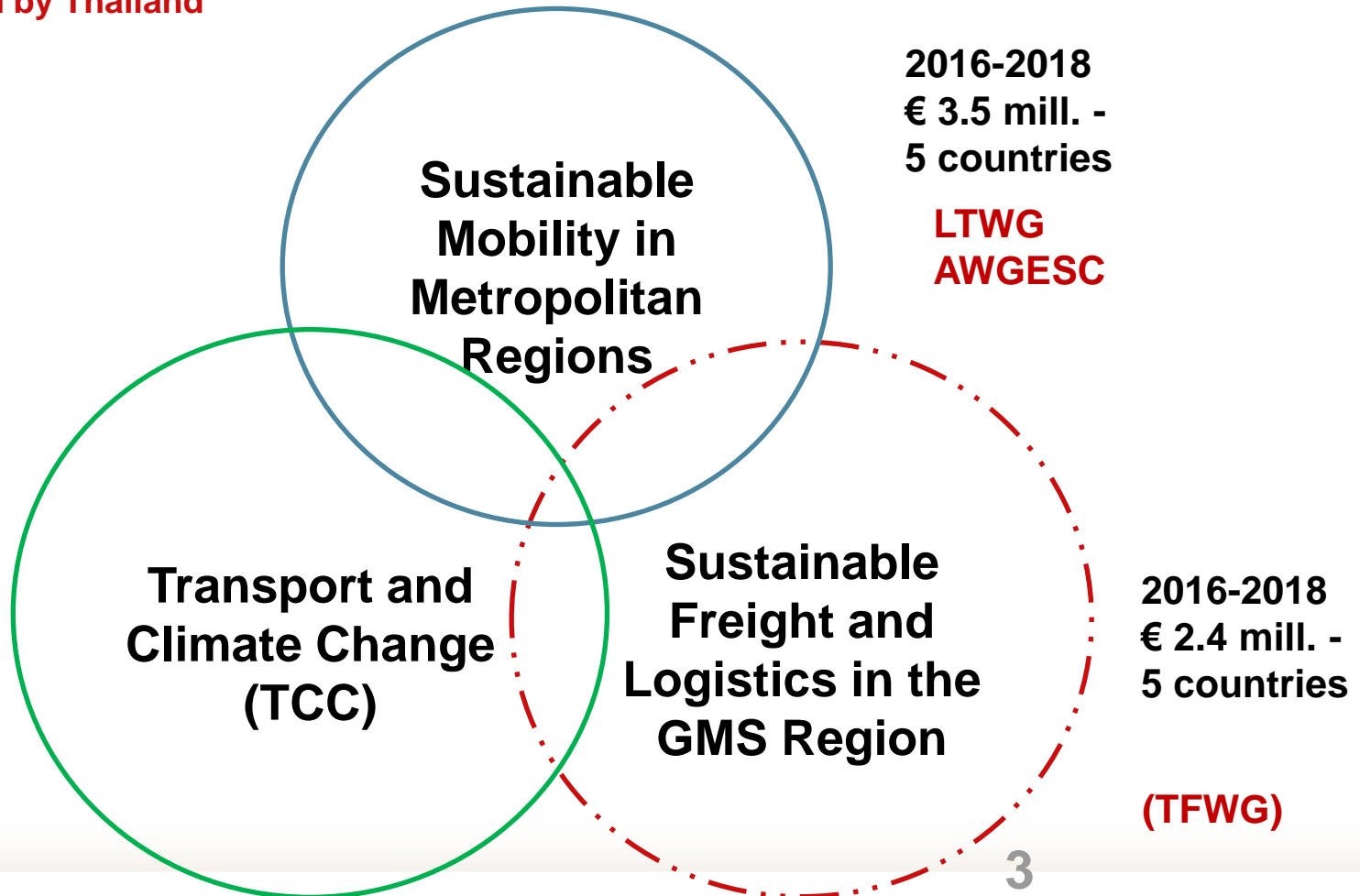
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The Programme “Cities, Environment and Transport” is evolving

Hosted by Thailand





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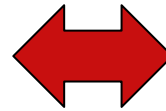
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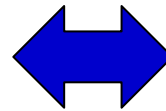
TCC Project Concept

Overall Goal

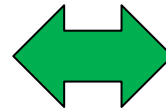
improve the conditions for the implementation of measures...



...to increase energy efficiency and reduce climate relevant emissions from the land transport sector ...



...in the ASEAN region at the regional and national level



Activities & Topics

Capacity building, training, technical advise, research & data

Focus on fuel economy policies and measures, green freight and logistics, two- and three wheelers, including electrification

*Support **KL TSP** implementation and related national initiatives*



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Why we are interested in Green Freight in ASEAN

- Consumers demand cleaner and greener products
- Manufacturers react and require cleaner logistics
- Shortage of “clean and green” operators in Asia
- Opportunities of sustainable freight systems get growing attention by policy makers and development agencies
- Efficient road freight offers a major opportunity to reduce emissions and energy costs from the transport sector
- Improving logistics has become an increasing focus of transport policy in the region, also with a view to ASEAN economic integration
- Green Freight included in the KLTSP



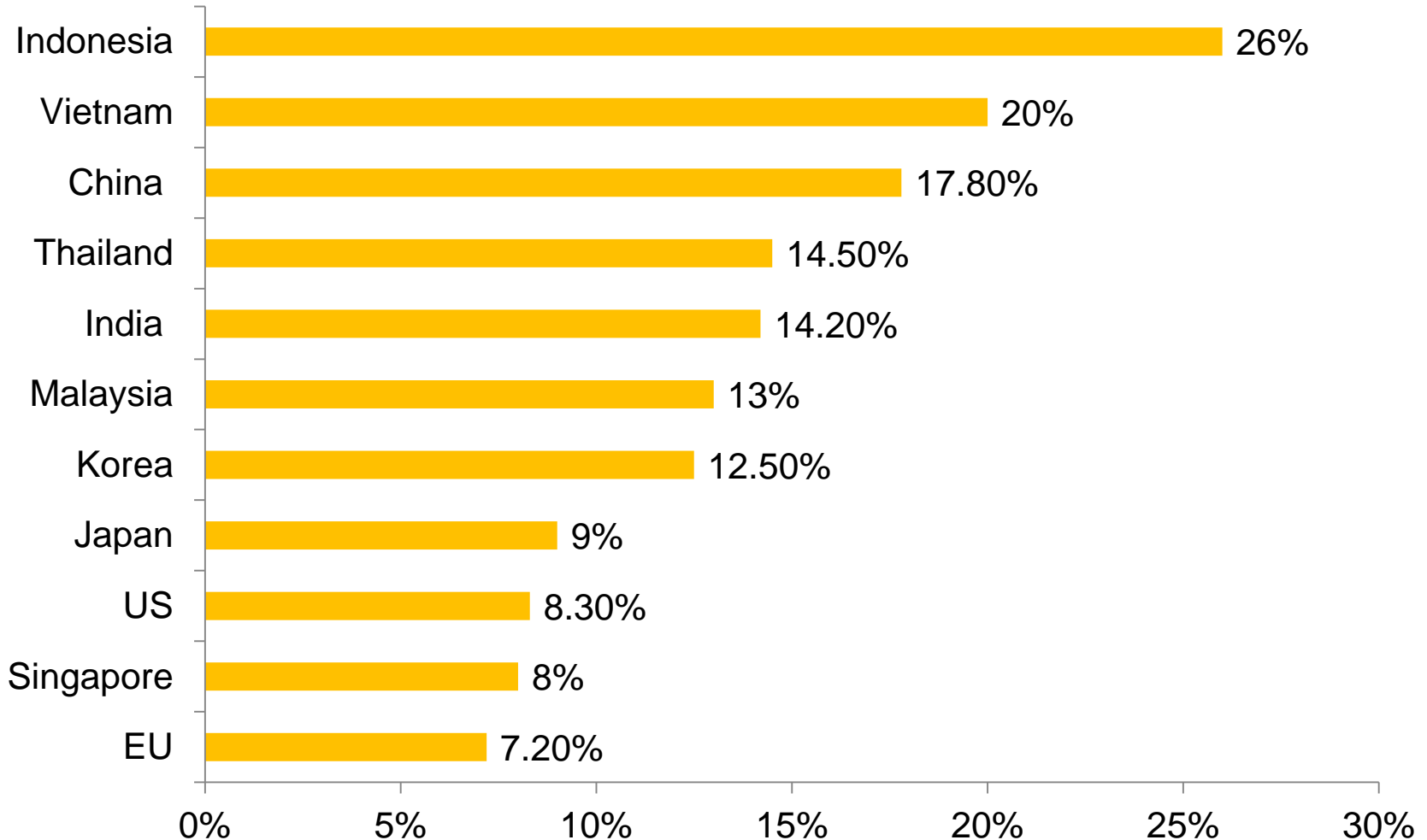
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Logistics Cost in Comparison (as percentage of GDP)



Source : ITF, GFA, GMS-EOC. World Bank



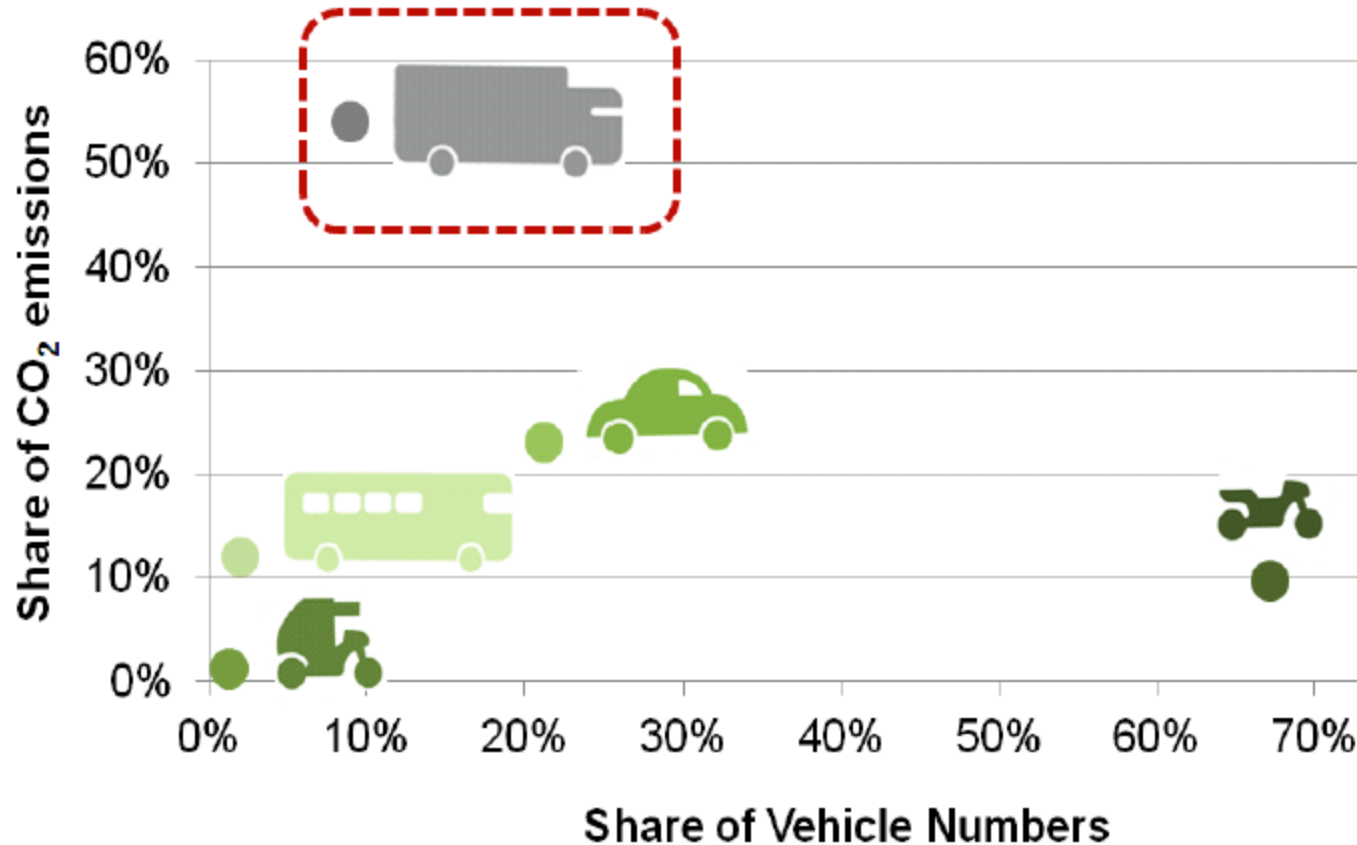
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Truck's disproportionate contribution to transport CO₂ emissions in Asia



Source: Clean Air Asia, Energy Efficiency for Heavy Duty Vehicles in Asia



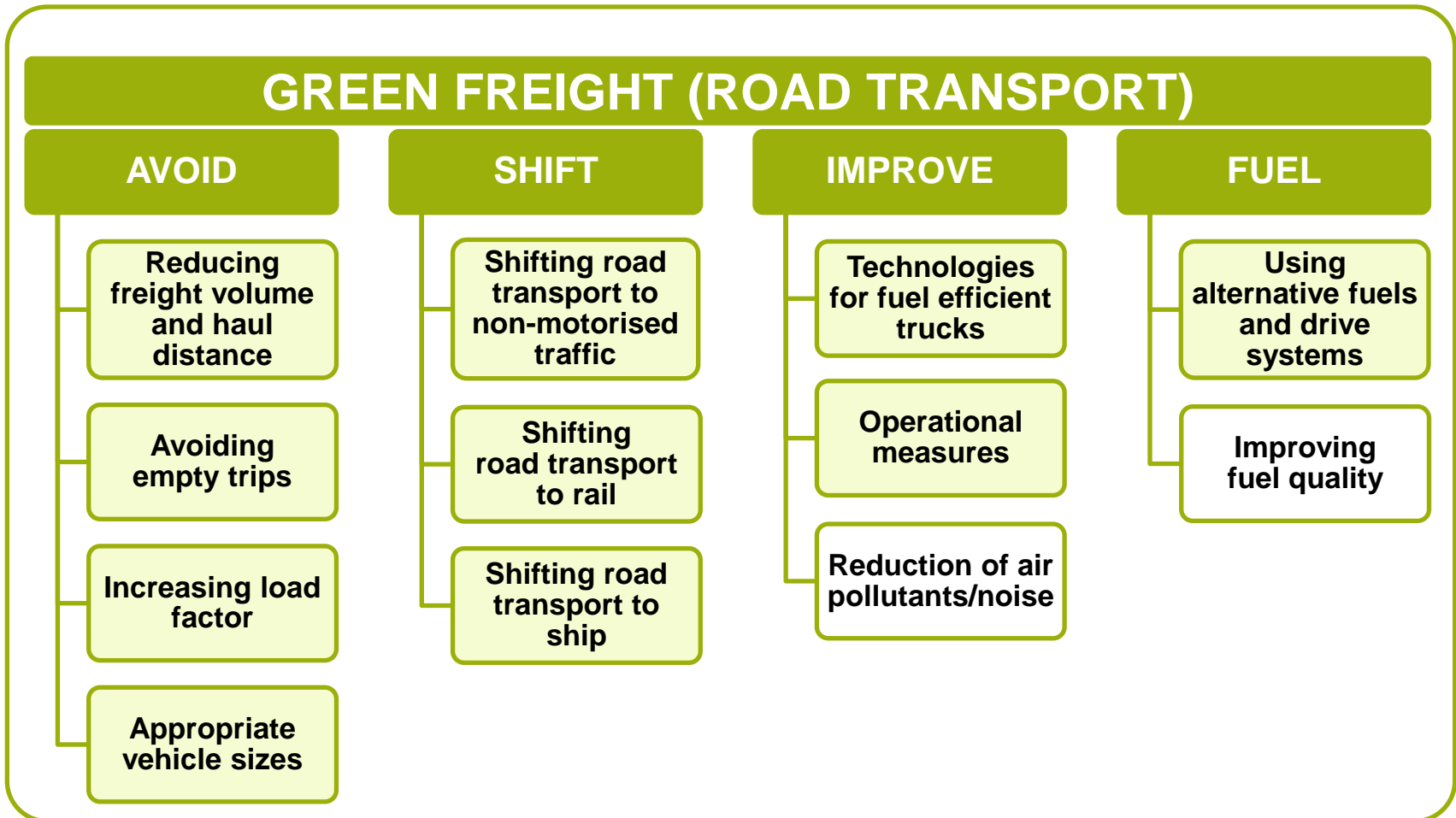
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Key elements of a green freight strategy with focus on road transport





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Green Freight Project Support in ASEAN so far

Indonesia

- Developing a Green Freight White Paper with MOT

Philippines

- Review of the draft Roadmap on Multimodal Transport of PISFA
- Green Freight actions included in DOTC National Implementation Plan

Vietnam

- Green Freight actions included in Climate Change Plan of MOT

Malaysia

- Public private partnership on road safety and eco driving

Sharing knowledge

- UNESCAP Freight Forwarders forum, Green Freight Asia Annual Forum, FIATA World Congress
- ADB-GIZ Regional Workshop on Green Freight and Logistics, June 2014



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Regional Green Freight and Logistics Workshop Key findings and conclusions

- Economic activity spurs transportation – as economies grow, transportation must become more efficient through a planned, systematic approach:
 - **Optimize** freight movements
 - **Shift** freight towards less emission intensive modes
 - **Improve** environmental performance of vehicles
- Cooperation and communication among multiple parties are key to drive change across the supply chain
- Cooperation across borders: harmonization of approaches needed to boost efficiency; learning from each other through regional exchange
- Workshop report available at www.adb.org/news/events/adb-and-giz-joint-green-freight-and-logistics-training-workshop

**58 measures
Identified**



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2016 Green Freight Project Support in ASEAN

- Regional Workshop on Green Freight in the ASEAN Region (Bangkok, 2-3 June 2016)
- Publications on Green Freight experience in ASEAN countries
- Specific support activities for selected AMS to develop and implement green freight action plans (e.g. national workshops with public and private sector, data collection)
- Implementation of GMS Sustainable Freight and Logistics Project



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Planned GIZ Contributions

- **Transport market studies in participating countries (structure of truck ownership, transport flows, transport volumes) – cooperation with universities**
- **National stakeholder workshops (government/regulators, transport operators, shippers, ports, railways, consumers)**
- **Development of national green freight action plans (support to working groups/committees, transport associations)**
- **Dissemination of best practices**
- **Capacity building for regulators, private sector management, drivers (as defined during the Regional Green Freight and Logistics Workshop in Singapore in June 2015)**



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EU Switch Project Building Blocks

To increase sustainable freight and logistics in the Mekong Region by working with over 500 SMEs to:



implement measures to **increase fuel efficiency** to 500 SMEs



improve safe handling and transport of **dangerous goods** in 80 SMEs and regulatory improvements



Increase **access to finance** for SMEs in the logistics sector



To promote labelling, green freight action plans and carbon footprinting



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Key parameters and partners

Duration

- 36 month , starting February 2016

Budget

- EUR 2.4 m (90% EU contribution)

Leader

- GIZ

Partners

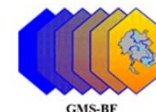
- GMS Freight Transport Association (FRETA)
- Mekong Institute

Associates

- ADB GMS Environment Programme
- Green Freight Asia
- National freight/trucking associations

Countries

- Cambodia, Lao PDR, Myanmar, Vietnam, Thailand





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GIZ Resources on Green Freight & Logistics

Federal Ministry for Economic Cooperation and Development

Sustainable Logistics
An Introduction to the Concept and Case Studies from Germany

Published by **giz** Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

Green Partnership for Sustainable Mobility

<http://tinyurl.com/z4bzf83>

Green Freight and Logistics:
GIZ expertise and experience

giz Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

<http://tinyurl.com/h4mf4wf>

GHG Mitigation Potential of European Rolling Resistance Labelling and Phase-out Scheme for Heavy-Duty Truck Tyres
Technical Report

giz Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

TRANSfer

<http://tinyurl.com/jnbnfzw>

GHG Mitigation Potential of a Green Tyre Programme for Road Freight in China
Technical Report

giz Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

TRANSfer

<http://tinyurl.com/jnbnfzw>

Green Freight and Logistics in Asia: Delivering the Goods, Protecting the Environment
WORKSHOP PROCEEDINGS

<http://tinyurl.com/h5m5ohj>

BMZ Federal Ministry for Economic Cooperation and Development

Sustainable Urban Freight in Asian Cities

Published by **giz** Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

Green Partnership for Sustainable Mobility

<http://tinyurl.com/gqu45n5>



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Learn more about GIZ transport in ASEAN and around the globe

www.facebook.com/TransportClimateASEAN

Facebook page for "Transport and Climate Change in ASEAN". The page features a cover photo of people wearing helmets, likely in a transit hub. The profile picture shows the GIZ logo and the text "Transport and Climate Change in ASEAN Non-Profit Organization". The page has 472 likes and a post from 23 minutes ago with 4 likes. The post text reads: "Metro Manila traffic is congested and chaotic, not because it's unmanageable, but rather because it is unmanaged". Below the post, there is a link to a video: "Transport and Climate Ch... In order to move towards sustainable transport in the ASEAN region, our giz project aims a...".

<http://www.giz.de/expertise/html/2067.html>

GIZ Expertise page for "Transport and mobility". The page includes a search bar, navigation tabs for Start, Themes, Methods, Regional, and Sector networks, and a list of themes such as Good Governance, Rural development, Sustainable infrastructure, Energy, Water, Forward-looking construction, Security, reconstruction and peace, Social development, Environment and climate change, and Economic development and employment. A featured image shows a busy street scene with cars and a person. Text on the page states: "Mobility is a key factor in social and economic development. Mobility provides people with access to markets, employment, education and health care, and plays a significant role in reducing poverty, especially in emerging economies and developing countries. The development of rural regions in particular is still hampered by poor infrastructure and insufficient transport services. On the other hand, the transport systems in agglomerations of many emerging economies are often on the brink of collapse. The mobility concept presented in..."

www.TransportAndClimateChange.org

Website for "Energy Efficiency and Climate Change Mitigation in the Land Transport Sector in the ASEAN Region". The page features a header with the title and a navigation menu including Home, The Project, News & Events, Documents, Countries, Links, and Contact Us. The main content area is divided into sections: "Project Overview" (describing the goal of moving towards sustainable transport in the ASEAN region), "Transport & Climate Change" (discussing the benefits of mobility and the challenges in Asia), "News & Events" (mentioning a regional exchange on NAMAs), and "Regional Programme" (listing "Cities - Environment - Transport" with a large number "16"). The GIZ logo and German cooperation logo are also present.



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Thank you!

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