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SUBREGION  
**CORE ENVIRONMENT  
PROGRAM**



## **ADB efforts on green freight – example of the GMS Green Freight Initiative**

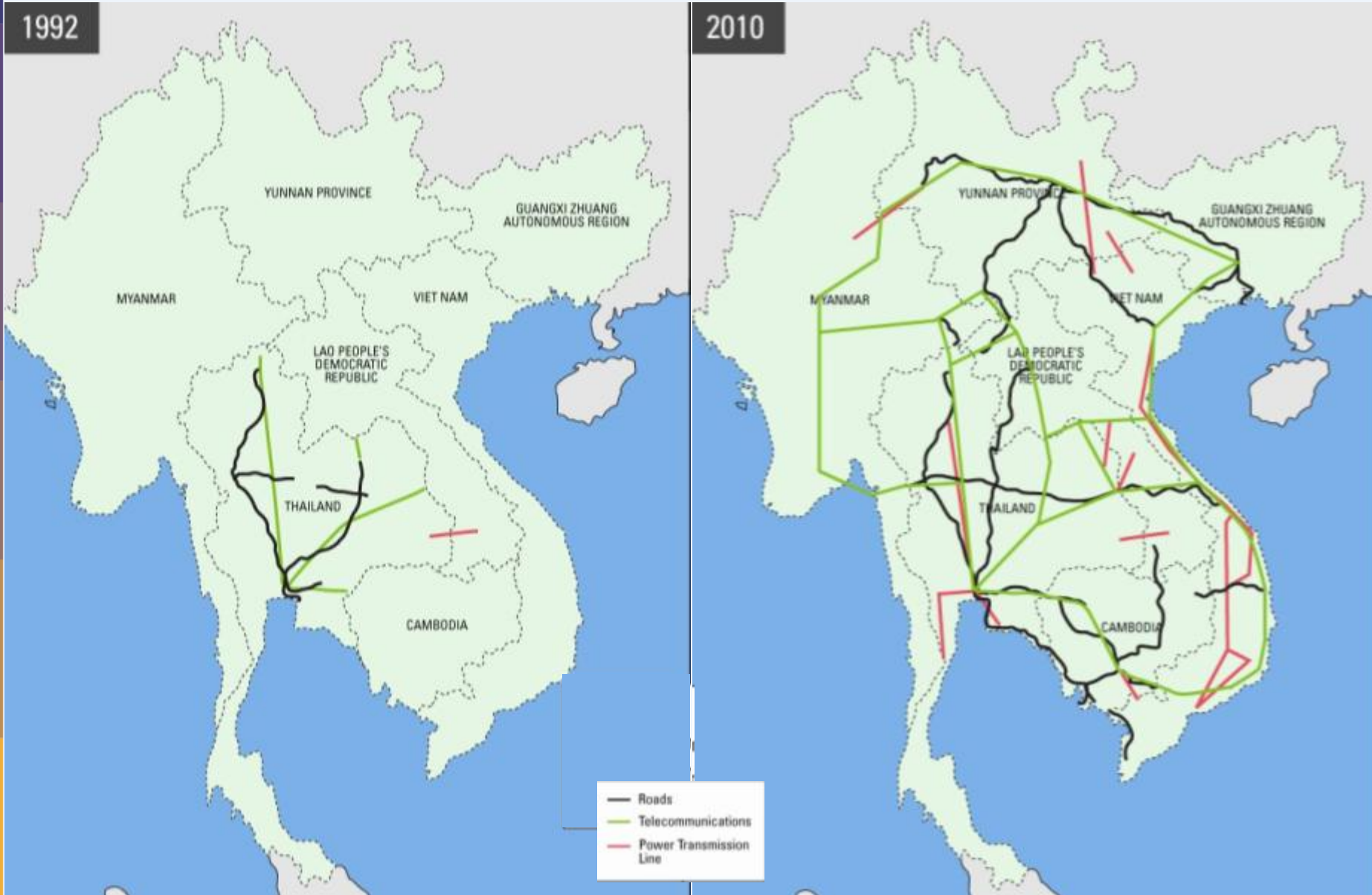
Naeeda Crishna Morgado  
Climate Change Mitigation Specialist  
ADB GMS Core Environment Program  
21 November 2014

# Transport investment in the GMS



ADB

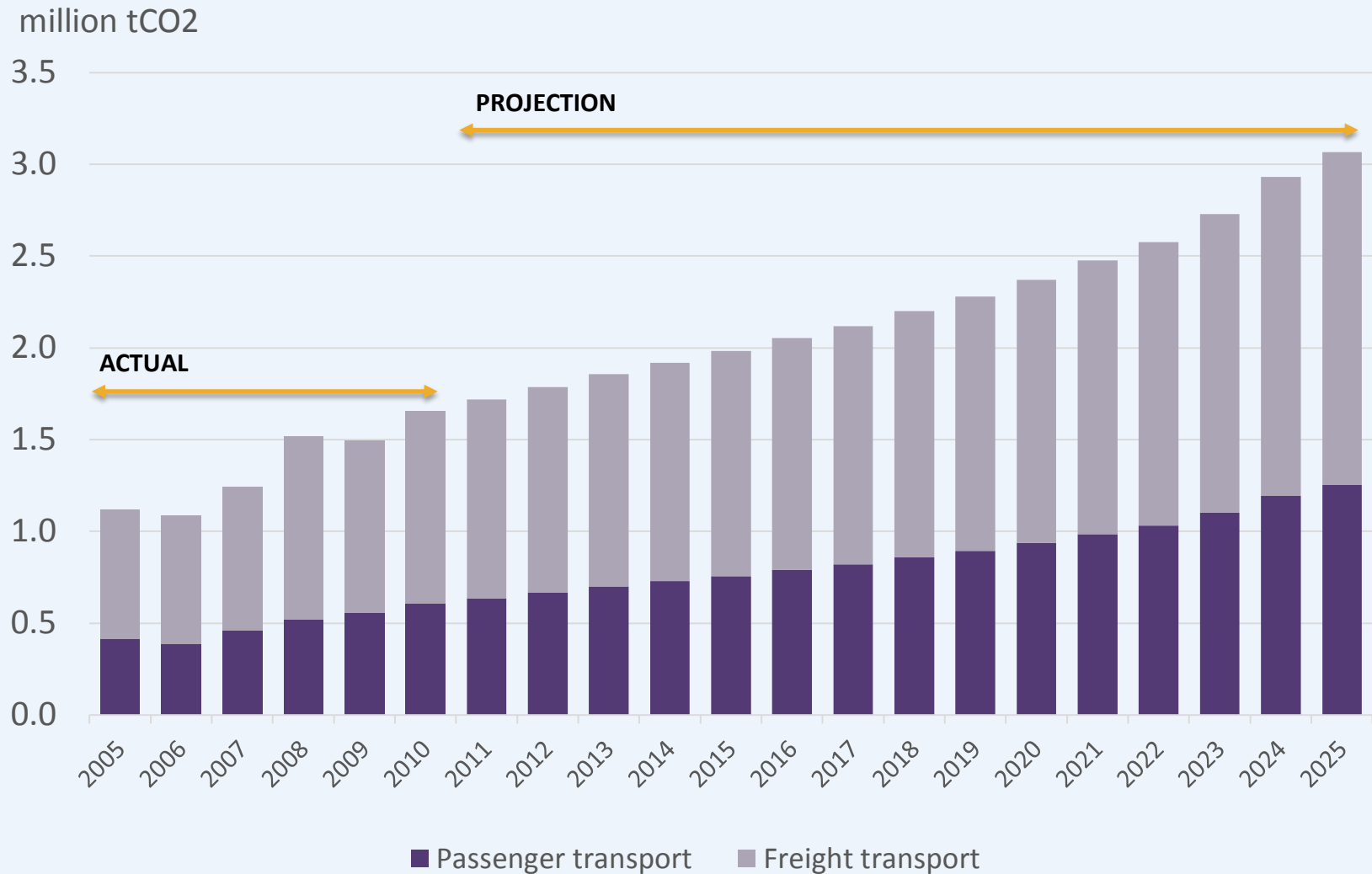
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# Increased emissions from traffic



## Business as usual CO2 emissions from EWEC



# 'Carbon Neutral' corridors?

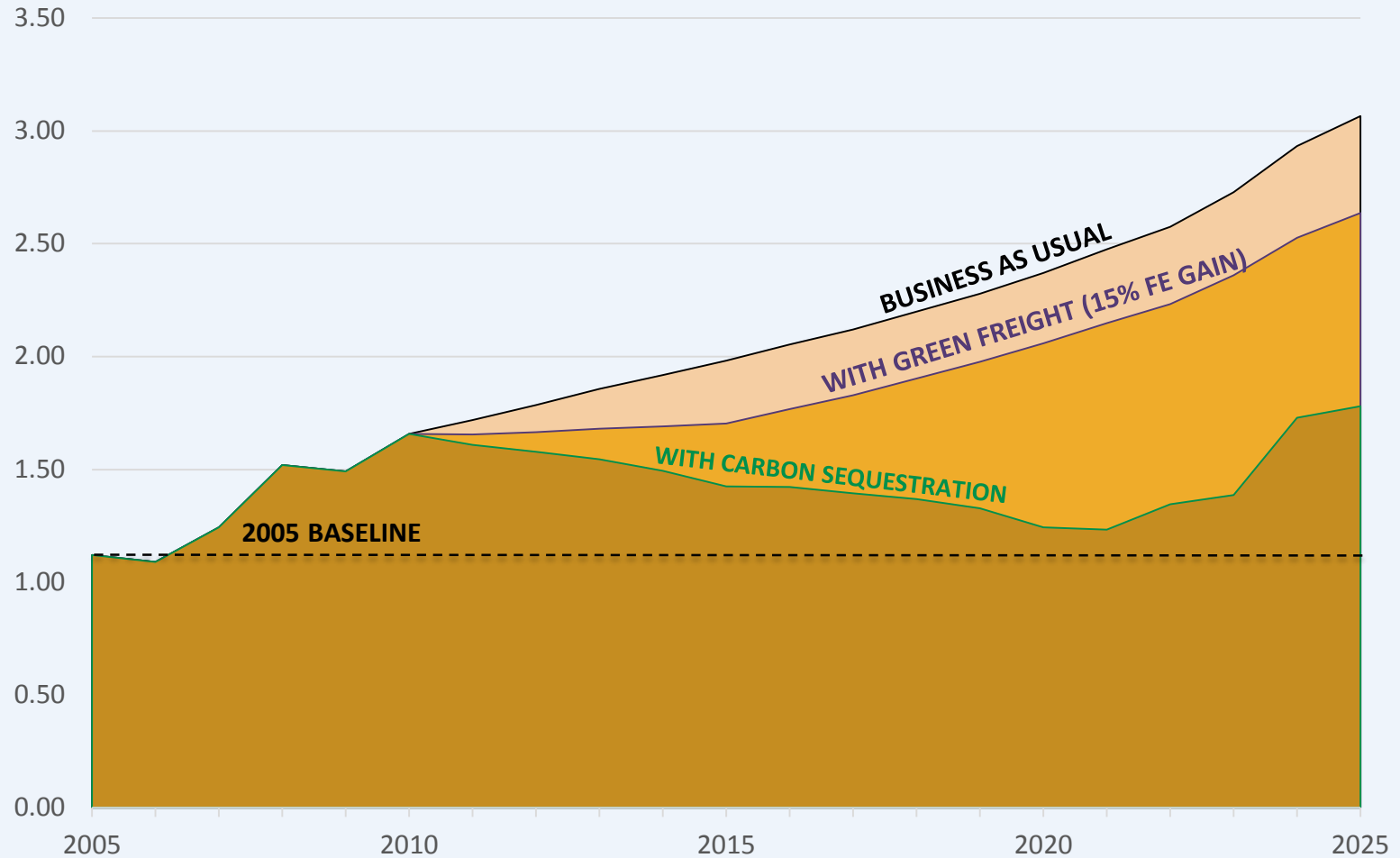


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## GHG emissions from the East West Economic Corridor - BAU, Low carbon freight and forestry scenarios

Million tCO<sub>2</sub>



# Green freight offers a 'low hanging fruit'



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- Helps maximize the return on transport investments
- Contributes to logistics efficiency and economic development
- Support energy security initiatives



# **ADB support on green freight**

Improving tools, capacity building  
and knowledge on green freight



- Highlighting and identifying national and regional priorities
  - ADB–GIZ Workshop on Efficient Logistics, Singapore (2014)
- Developing tools to support countries and engage private sector:
  - Toolbox to develop ‘green freight programs’
  - Green freight recognition scheme
  - Green Trucks Toolkit (in collaboration with Clean Air Asia)
- Capacity building



- Background sector studies for Lao PDR, Thailand, Viet Nam and Cambodia
  - Cambodia study report now available:  
[www.gms-eoc.org/resources/gms-green-freight](http://www.gms-eoc.org/resources/gms-green-freight)
- SME financing background study and potential models for green freight
- Feasibility study to develop freight NAMA in the GMS (to begin in 2015)





# **ADB support on green freight**

Piloting and demonstrating  
‘viable’ solutions to improve  
freight efficiency

# GMS Green Freight Initiative



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- **Aim:** To reduce GHGs from freight transport
- **Outcome:** Successful testing of approaches to deploy fuel efficiency interventions in road freight companies
- **Scope:** GMS corridor provinces (EWEC)



Improving driver behavior and vehicle maintenance



Promoting green technologies through low cost financing



Improving logistics management and fleet utilization

# GMS Green Freight Initiative



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## Phase 1: Pilot projects in Lao PDR, Thailand and Viet Nam

**SCOPE:** Green technologies for trucks, Eco-driver training, logistics management software

**75**  
TRUCKS

**TIMELINE:**  
2014 to 2016

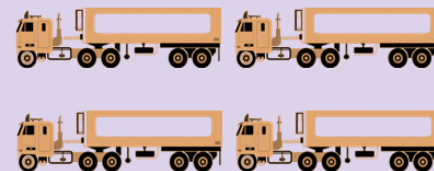


## Phase 2 (proposed): Regional investment project in Lao PDR & Viet Nam

**SCOPE:** Financing:  
- Logistics ESCO  
- Green freight fund

**800**  
TRUCKS

**TIMELINE:**  
2016 to 2020





# **ADB support on green freight**

Providing access to finance for  
efficient transport investment

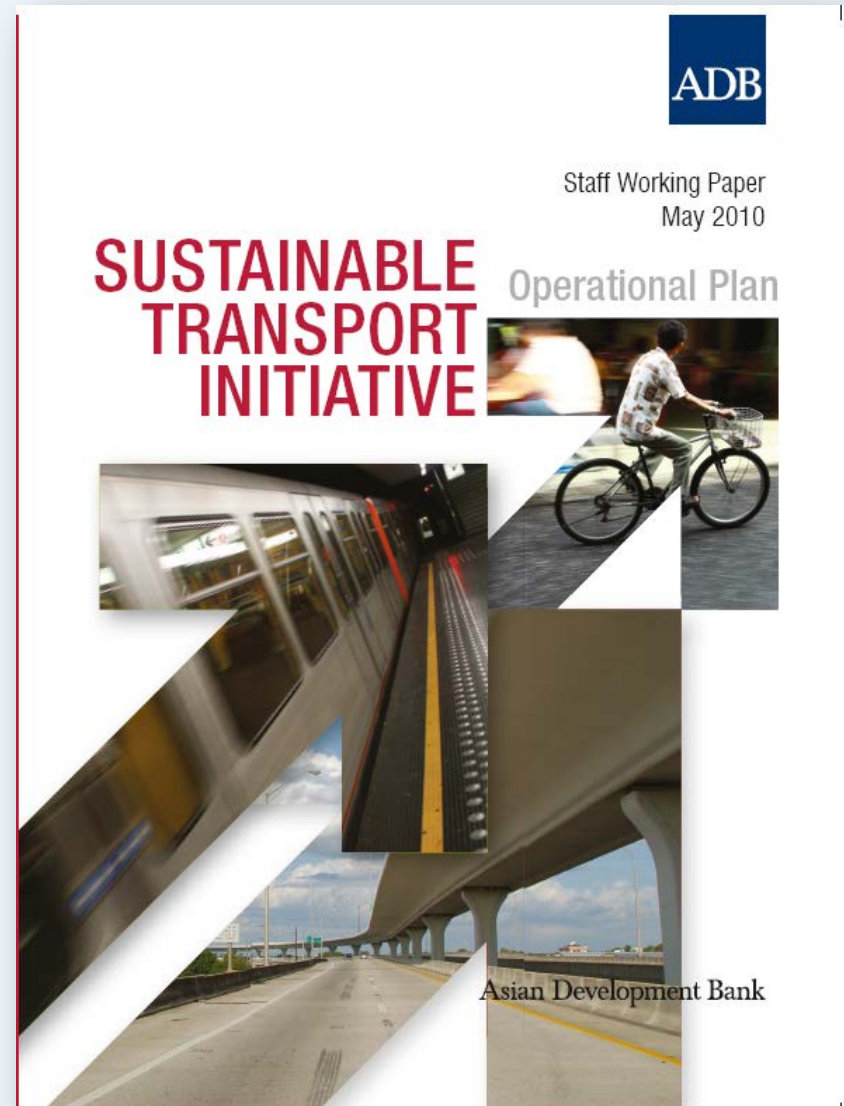
# ADB Sustainable Transport Initiative



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## Priority areas:

1. Urban transport
2. Transport and climate change
3. Logistics and cross-border transport
4. Road safety and social sustainability



# Facilitating access to finance - potential areas



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	Aviation	Intermodal	Logistics	Railways	Roads	Transport	Urban Freight	Waterways
Capacity			✓	✓	✓			✓
Energy Efficiency				✓	✓			
ICT			✓			✓		
Infrastructure	✓	✓		✓	✓		✓	✓
Institutional	✓			✓	✓	✓		
Policy			✓	✓	✓	✓		✓
Regional Integration			✓	✓	✓			
Tools				✓	✓			



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# Thank you

For further information [naeeda@gms-eoc.com](mailto:naeeda@gms-eoc.com) and [www.gms-eoc.com](http://www.gms-eoc.com)