



GLOBAL ENVIRONMENT FACILITY  
INVESTING IN OUR PLANET

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

# Transport

## The GEF Experiences

Bonn, 23 May 2016

Global Environment Facility

# Global Distribution of GEF Transport Projects

Transport accounts for about 23% of energy-related CO2 emission, and its share will likely to rise in the future (IEA).



- GEF support for transport project started in 1997;
- 78 projects in over 120 cities and 60 countries;
- \$480 million committed, with \$6.7 billion leveraged in co-financing.

# GEF Transportation projects

| GEF Replenishment   | Projects                                   | GEF financing (\$) | Co-financing (\$) |
|---------------------|--|--------------------|-------------------|
| GEF-4 (2006 - 2010) | National: 17,<br>Regional:2                | 110 million        | 1.6 billion       |
| GEF-5 (2010 - 2014) | National: 25,<br>Regional: 1,<br>Global: 3 | 111 million        | 2.3 billion       |
| GEF-6 (2014, 2015)  | National: 5<br>Regional:1<br>Global: 1     | 183 million        | 2.0 billion       |

- GEF transport portfolio covers all transport modes: road, rail, aviation, maritime, biking and walking.
- GEF transport portfolio is designed to support the "avoid, shift, improve" transport strategy.

# Turn Mitigation Potential to Action

- Path dependency of transport and lock-in effect should be addressed, and making infrastructure investments sustainable is needed for low-carbon and resilient world.
- GEF will put more emphasis on "avoid", which is to integrate transport planning with land use to avoid the needs for motorized transport.
- Innovative business models can make a difference, and private sector engagement should be enhanced by addressing policy and strategy gaps.

# Public Transport

- 2009 – *Lagos Urban Transport project 2 (Nigeria)*, World Bank  
Strategic implementation plan for mass transport, travel demand model, BRT
- 2011 – *ASTUD Asian Sustainable Transport and Urban Development Program (PROGRAM)*, ADB  
“Avoid, shift, improve” activities in three countries.
- 2012 – *Efficient & Sustainable City Bus Services (India)*, World Bank  
Policy recommendations for sustainable city bus transportation, bus fuel efficiency demonstration, financial planning
- 2014 – *Sustainable Urban Mobility Program for San Jose (Costa Rica)*, IDB  
Integration of guidelines for public transport, multi-modal integration pilot, travel demand management policy, improved land-use planning, clean vehicle technologies, vehicle monitoring

# Energy Efficiency of Vehicles

- 2012 – *Stabilizing GHG Emissions from Road Transport Through Doubling of Global Vehicle Fuel Economy: Regional Implementation of the Global Fuel Economy Initiative (GFEI)*, UNEP  
National fuel economy policies and automotive baseline (vehicle fleet, fuel economy, CO2 emission, etc.) in participating 20 countries
- 2013 – *Green Technology Application for the Development of Low Carbon Cities (Malaysia)*, UNDP  
Design and planning of integrated urban system, Electric Vehicle Master Plan, BRT, city-level NAMA, financing mechanism
- 2014 – *Improving Mobility In Parakou (Benin)*, AfDB  
Inspection & maintenance program of motorbike, Intelligent Transport System, segregated lanes, certification program
- 2014 – *Energy Efficient Low-Carbon Transport in South Africa*, UNIDO  
Policies, standards, incentives etc. for local manufacturing of EVs and related infrastructures, NMT, PV-based charging stations

# Thank you!

## **The Global Environment Facility**

1818 H Street, NW, Mail Stop N8-800, Washington, DC 20433 USA

[www.thegef.org](http://www.thegef.org) / [secretariat@thegef.org](mailto:secretariat@thegef.org)



GLOBAL ENVIRONMENT FACILITY  
INVESTING IN OUR PLANET

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

# Logistics

- 2013 – *Mainstreaming Climate Change in the National Logistics Strategy and Roll-Out of Integrated Logistics Platforms (Morocco)*, UNDP  
Low-carbon regulatory framework, GHG inventory and MRV system, NAMA designed (compliance Euro 4, eco-driving etc.)
- 2014 – *Greening the Logistics Industry in Zhejiang Province (China)*, UNDP  
Policies and standards, green logistic system
- 2015 – *Green Logistics Program*, EBRD  
Structured finance, framework to calculate emission reduction, curriculum in green logistics for the Black Sea and Mediterranean regions.



# Aviation and Maritime Transportation

- 2014 - *Transforming the global aviation sector: emission reduction from International Aviation*, UNDP  
Guidelines and policy recommendations, pilot/demonstration of emission reduction measures
- 2015 - *Transforming the Global Maritime Transport Industry toward a Low Carbon Future through Improved Energy Efficiency (GloMEEP)*, UNDP  
Global tools and guidance for policy development, Maritime Energy Efficiency Framework, Global Industry Alliance for Maritime Energy Efficiency Framework

# Adaptation

- 2013 - *Strengthening Community resilience to Climate – induced disaster in the Dili to Ainaro Road Development Corridor, Timor-Leste, UNDP*

National policies and institutions extended to address climate change and disaster risk, community-based adaptation measures to reduce the vulnerability of road infrastructure
- 2013 - *Strengthening climate resilience of infrastructure in coastal areas in Togo, AfDB*

Coastal protection infrastructure (breakwater infrastructure and gabion walls) to protect coastal road section, early warning system