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

<table>
<thead>
<tr>
<th>GEF Replenishment</th>
<th>Projects</th>
<th>GEF financing ($)</th>
<th>Co-financing ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEF-4 (2006-2010)</td>
<td>National: 17, Regional: 2</td>
<td>110 million</td>
<td>1.6 billion</td>
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<tr>
<td>GEF-5 (2010-2014)</td>
<td>National: 25, Regional: 1, Global: 3</td>
<td>111 million</td>
<td>2.3 billion</td>
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<tr>
<td>GEF-6 (2014, 2015)</td>
<td>National: 5, Regional: 1, Global: 1</td>
<td>183 million</td>
<td>2.0 billion</td>
</tr>
</tbody>
</table>

- 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

  
  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, Intelligen Transport System, segregated lanes, certification program

  
  Policies, standards, incentives etc. for local manufacturing of EVs and related infrastructures, NMT, PV-based charging stations
Thank you!

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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
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