Sustainable Low Carbon Transport Policy: Opportunities for Action

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To boost transportation operational efficiency:
AVOID – SHIFT- IMPROVE

Avoid unnecessary or low value travel with smart pricing, development, logistics, supply chains, communications
To boost transportation operational efficiency: AVOID – SHIFT- IMPROVE

Shift travel to more efficient modes
To boost transportation operational efficiency: AVOID – SHIFT – IMPROVE

Improve efficiency with more efficient vehicles and lower carbon fuels
To boost transportation operational efficiency:
AVOID – SHIFT- IMPROVE

Improve efficiency by operating networks with optimal speed & flow

Actions to Advance Sustainable Transport

- **PAY**
  - Implement full cost pricing
  - Reform subsidies

- **SHIFT**
  - Shift priorities
  - Shift & scale up funding

- **ADD**
  - Provide additional funding
  - Optimise usage

- **ANALYZE**
  - Enact sustainable transport
  - Policy
  - Institutions
  - Technology
  - Infrastructure
  - Operation
To replicate & scale up sustainable low-carbon transport:

Enhance institutional frameworks & organizational capacity at multiple levels
Data collection and analysis needed for baselines and evaluation

- **Motor vehicle fleet activity based on trends:**
  - Mode share and vehicle activity
  - Travel surveys
  - Bus company ridership
  - Traffic counts
  - Vehicle sales data
  - Motor fuels sales data
  - Vehicle operating speed
  - GPS data loggers and vehicle monitors

![2007 peak passenger counts - Mexico City](image)
To replicate & scale up sustainable low-carbon transport: Improve transport analysis

Source: Wegener, 1995
Develop & enhance sketch analysis tools for impact analysis

e.g. Framework for Transportation Emissions Evaluation Models for Projects (TEEMP)*

- Excel spreadsheet models with simple input/output tables
- Project-type specific models
- Automated project impact area definition
- Simplified construction emissions
- Operations emissions including induced travel effects, with dynamic baseline

Support technology transfer for system management
Boost efforts to measure and reward performance
Manage, allocate, and price street space to favor affordable low-carbon sustainable transport
Address Market Failures

- “Free” roads & parking
- Fixed cost vehicle insurance pricing
- Motor fuel subsidies USD$300 billion/year
- Land development & urban design systems promoting car use
Strengthen Knowledge Management and partnerships to support dissemination of sustainable low carbon transport
Boost accountability for spending
Transport and Climate Finance

Approaching $100 Billion p.a. by 2020

$30 Billion
(new & additional climate finance) for 2010-2012

Existing international, domestic / private flows to transport

$ Trillions
Now!

Copenhagen Green Climate Fund

Kick-start finance
**REST: Reducing Emissions through Sustainable Transport**

**A. Supporting Sustainable Transport**

- **Formulate NAMAs**
  - 1. Commit to transport NAMAs
  - 2. Monitor transport emissions

- **Build Capacity**
  - 3. Meet simplified, “transport-compatible” additionality criteria and methodologies

- **Implement low carbon transport projects/programmes/policies**
  - 4. Receive further resources through carbon markets

**B. Under simple conditions**

**C. Through a Transport Window**

**Transport Window within:**
- Fast Start Finance (now)
- Green Climate Fund (future)

**Carbon Markets** (e.g. CDM)
Partnerships to Finance the New Vision: ASAP

- **ANALYZE**: The impacts of financing decisions on sustainability
- **SHIFT**: Existing resources toward a sustainable direction
- **ADD**: Increased funding for areas where resources are lacking
- **PAY**: For the full costs of transport including environmental depreciation
Success depends on

- Policy & regulatory reforms
- Infrastructure development & management
- Enhanced institutions & finance systems
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