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Partnership on Sustainable, Low Carbon Transport,
United Nations Economic and Social Commission for Asia and the Pacific, and
United Nations Office for Sustainable Development**

**TENTH REGIONAL ENVIRONMENTALLY SUSTAINABLE TRANSPORT (EST)
FORUM IN ASIA,
14-16 MARCH 2016, VIENTIANE, LAO PDR**

**Country Presentation
(Pakistan)**

(Presentation for EST Plenary Session 8 of the Provisional Programme)

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Country Presentation - Pakistan

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Sequence

- i. Introduction**
- ii. Major initiatives**
- iii. Impact**
- iv. Challenges**
- v. Hope**

Introduction

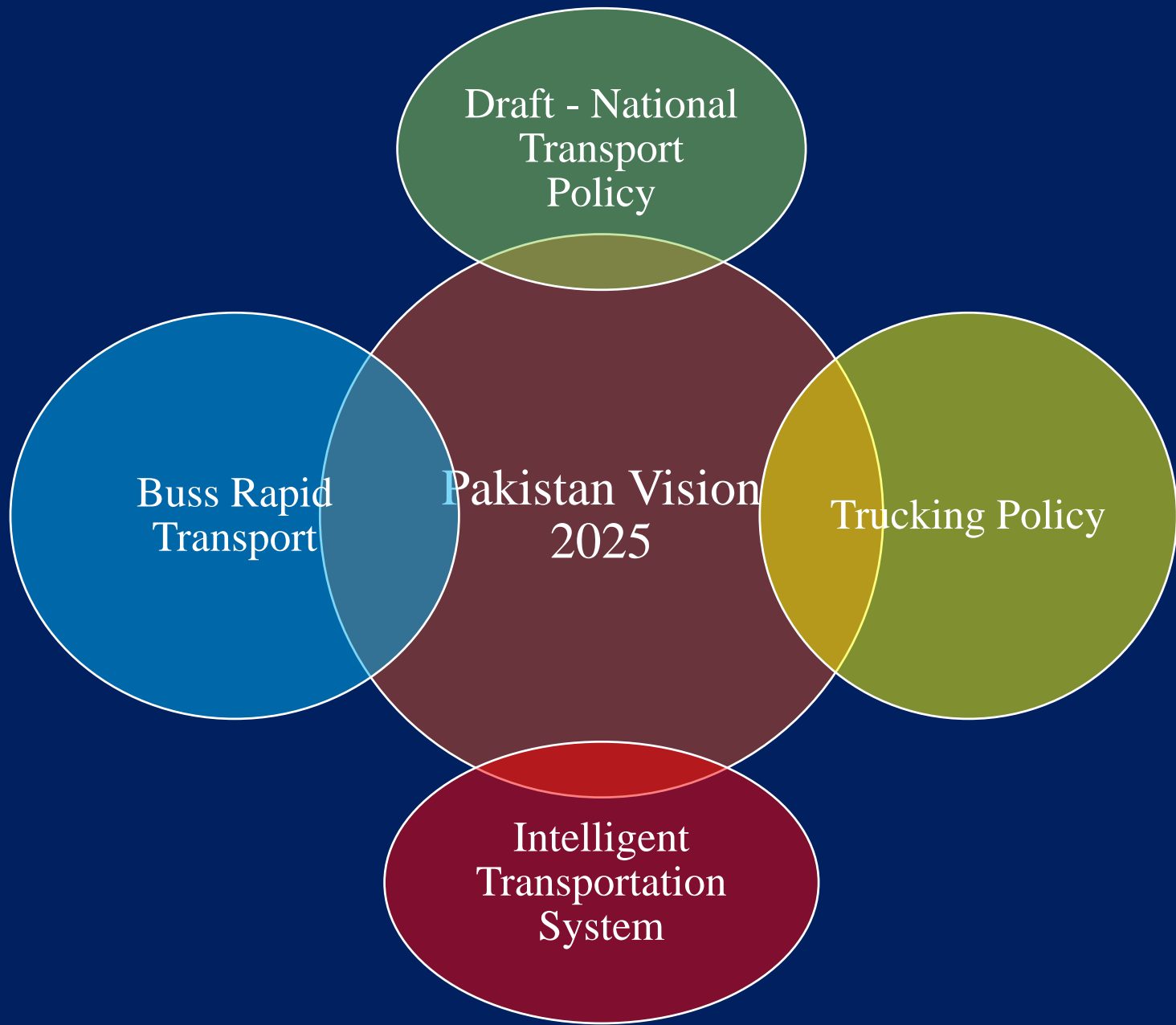
Legend

National Highway	
Motorway (Operational)	
Motorway (Under construction)	
National Capital	
Provincial Capital	
City/Town	
Provincial Boundary	
International Boundary	



✓ Area: 796,096 Sq- km
✓ Population: 200 Million
✓ Roads: 263,000 Km
✓ Motorways: 13,000 Km
✓ Road density: 0.32 Km of Area

Major initiatives



Implementing Tools

- Strengthen existing railway system for urban and sub-urban traffic in major cities.
- Inter-modal changes to save time and money of the users.
- Regulation of Transport Demand Management
 - linking fuel prices with international oil prices
 - introduction of parking fees etc
- Improving Fuel Quality & Minimizing Emissions

- Conversion of two stroke engines to four stroke engines.
- Elimination of lead from Petrol and minimizing sulphur from Diesel.
- Conversion of vehicles to CNG
- Specialized police patrolling force for Motorways, Expressways and Highways



*Impact of
initiatives*

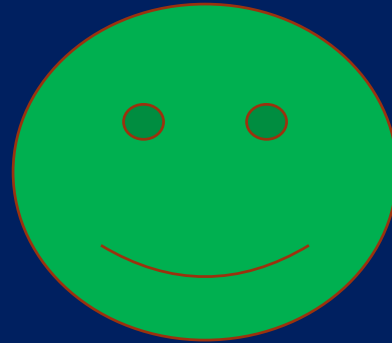
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- BRT has helped increase productivity as passengers have regained 19 minutes of the lost time
 - BRT in three cities has removed 1 million cars from roads
 - 9% of commuters have stopped using cars in five cities where BRT is operating
 - Providing a 2-minute frequency for 150000 ridership a day in Islamabad alone
 - Has contributed towards human resource development

Islamabad - Pakistan

- Reduction of around 668 small sized public transport vehicles
- Electronic fare system in all BRT & Railways
- Introduction of E - Tolling System



- Total emission from transport sector - 78,018 t CO₂ equiv.



Net annual greenhouse gases reduction due to metro bus in Islamabad are :

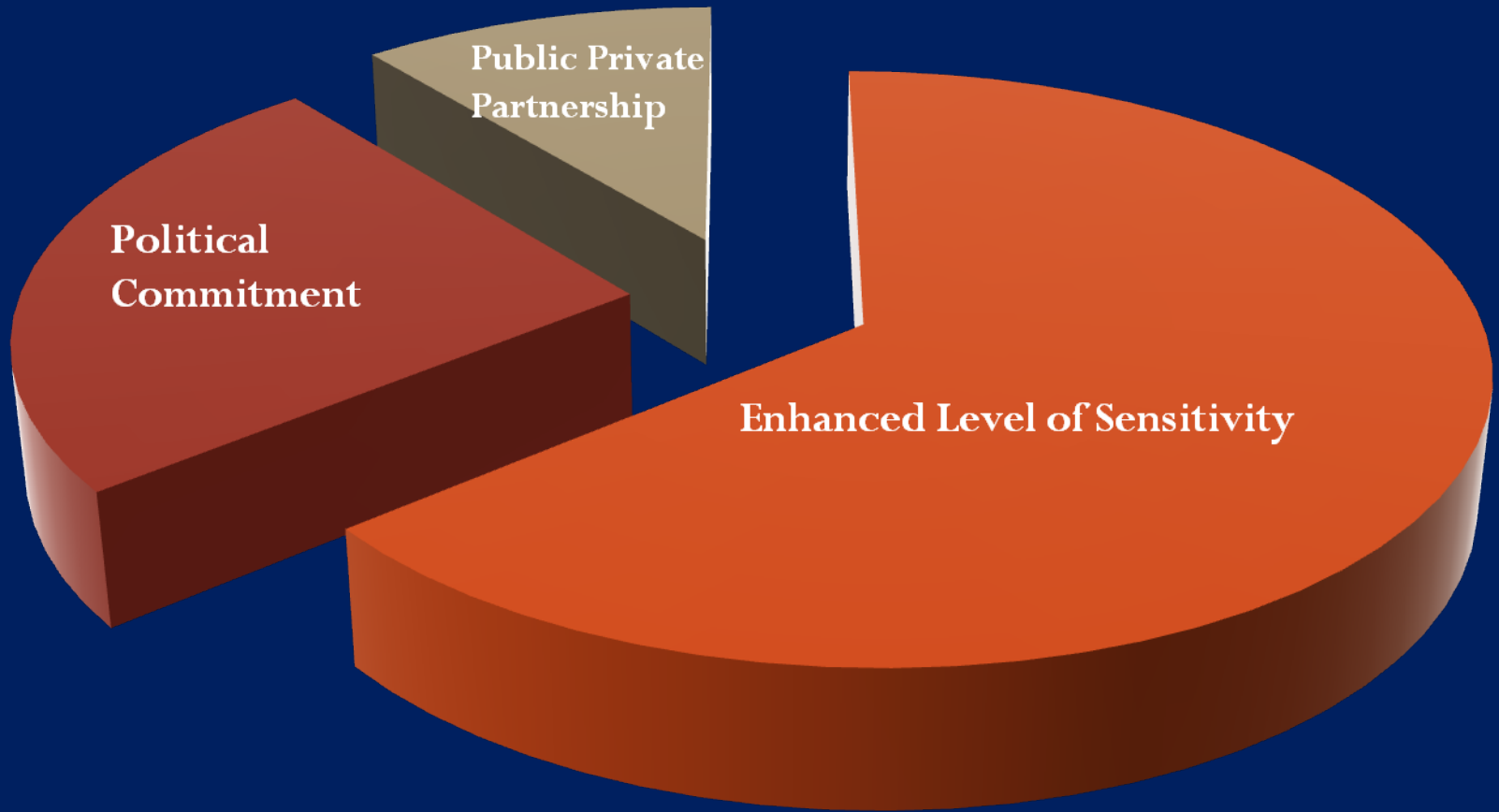
- CH₄=8582.459 Kg
 - N₂O=13892.028 Kg
 - CO₂=4486.76 Tons
-
- Projected reduction from 5 BRT Corridors - 60,672 t CO₂ equiv. - 21% of baseline of 2017 till 2030

Source: Final Report, Study on Carbon Emissions for the selected BRT lines and Potential for Clean Development Mechanism, Contract No. UNDP/CON/15/046

Challenges

- i. Financial constraints
- ii. Capacity of human resource
- iii. Weak institutional mechanisms
- iv. BRT in built-up areas
- v. Protection of heritage sites viz-a-viz mass transit developments.
- vi. Protection of natural habitats

Hope





Thank You