

Challenges & Needs for Countries in Special Situations in Achieving Sustainable Transport

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**Sustainable
Transport**

Economic

Environmental

Social



Concept of Sustainability

Dimensions

Economic



Environmental



Social



Challenges & Needs

Economic

Economic

- (1) Transport Infrastructure investment requirements
- (2) Transport infrastructure maintenance costs
- (3) Long investment recovery periods
- (4) Inefficiency of operation of transport systems
- (5) Growing population
- (6) Weak Institutions

Challenges

- (a) Low Incomes
- (b) Small Market
- (c) Limited scope to liberalize
- (d) Natural monopolies
- (e) Gvt main player
- (f) Inland waterways & railways in poor state
- (g) Energy efficiency
- (h) Weak skills base

Needs

- (i) Funding - investment & maintenance
- (ii) Increased private sector participation
- (iii) User Pays
- (iv) Policy & institutional reforms
- (v) Modal shift to environmental friendly modes
- (vi) Skills development
- (vii) Develop transport corridors



Challenges & Needs

Environmental

Environmental

- (1) Climate change
- (2) Pollution
- (3) Resource conservation
- (4) Sources of energy
- (5) Open-space preservation
- (6) Biodiversity

Challenges

- (a) Resource based economies
- (b) Used technology recipients
- (c) High pollution levels
- (d) Old infrastructure & equipment- lagging technologically
- (e) Energy sources and gap
- (f) Environmentally friendly transport modes in bad shape
- (g) Waste disposal

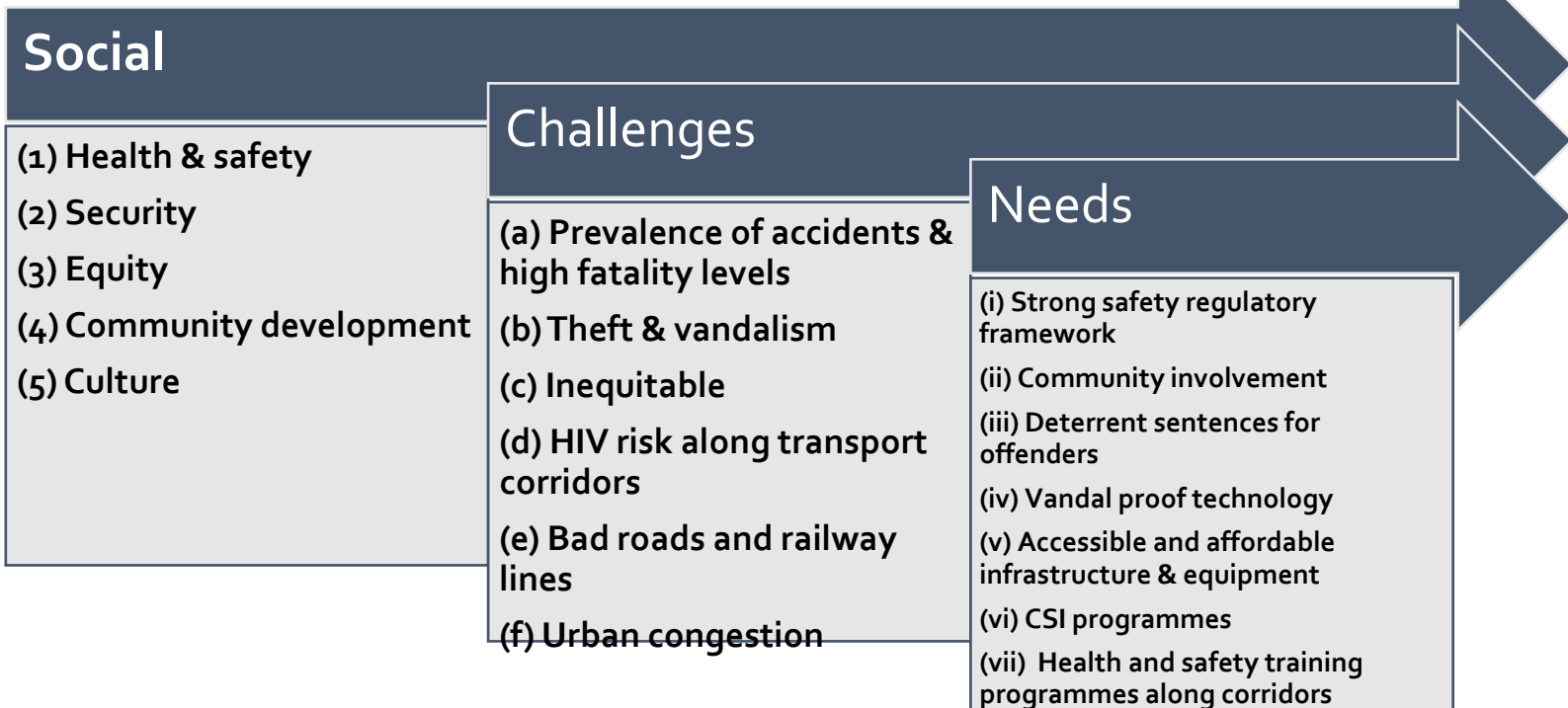
Needs

- (i) investment in environmentally friendly transport infrastructure & technology
- (ii) Investment in renewable energy
- (iii) Promote modal shift to environmentally friendly transport modes
- (iv) Need for environmental impact indicators in transport
- (v) Policy framework on environmental management in transport
- (vi) Develop Green Freight Corridors



Challenges & Needs

Social





THANK YOU FOR YOUR KIND ATTENTION

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