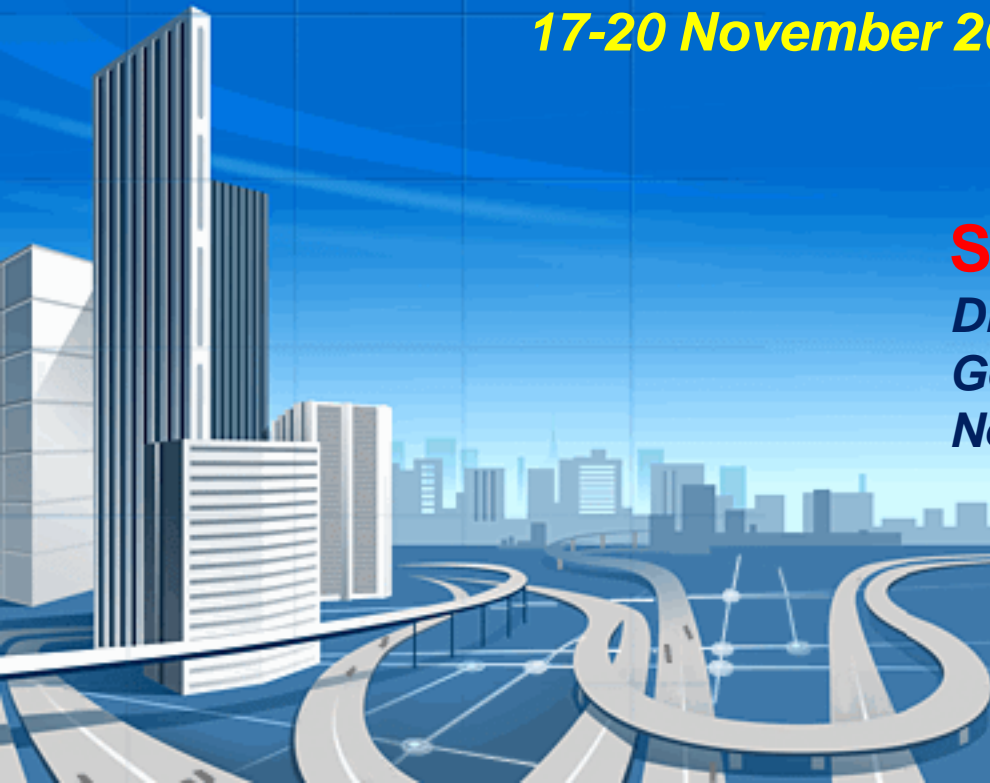


Road Safety Strategy of Nepal *for Resilient and Sustainable Development*

***Intergovernmental Ninth Regional Environmentally
Sustainable Transport (EST) Forum in Asia
17-20 November 2015, Kathmandu***

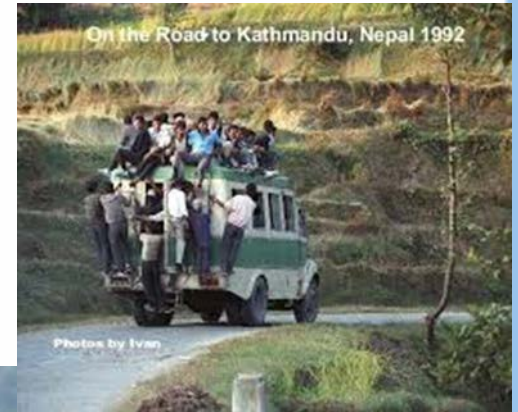
Saroj Kumar Pradhan
***DDG, Department of Roads,
General Secretary, Road Safety Society
Nepal***



Safety in Roads



Safety in Roads

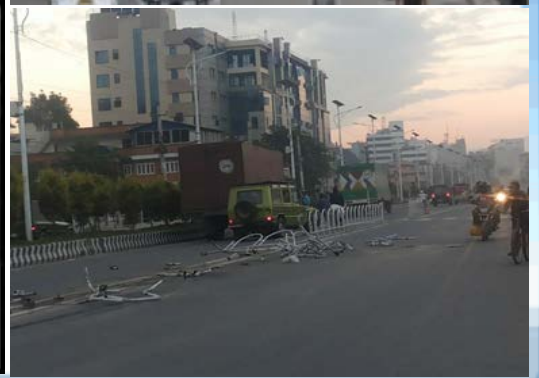


Safety at Bridge





Safety in Urban Roads



Busan conference 2007

Goal: To save 6000000 lives and prevent a commensurate number of serious injuries on the roads of Asia and the Pacific over the period of 2007-2015 i.e. reduce the fatality by half.

Scenario in Nepal

2007 fatality 837

2014 fatality 1857

Situation is alarming and there is a serious need to act immediately

Sustainable Development

- Economic sustainability
- Environmental sustainability
- Social sustainability

Resiliency

Prior to event

During an event

After an event

Robustness

Resourcefulness

Rapid Recovery

UN Decade of Action

- Road Safety Management
- Safer Road and Mobility
- Safer Vehicles
- Safer Road User
- Post Crash Response



Road Safety Management

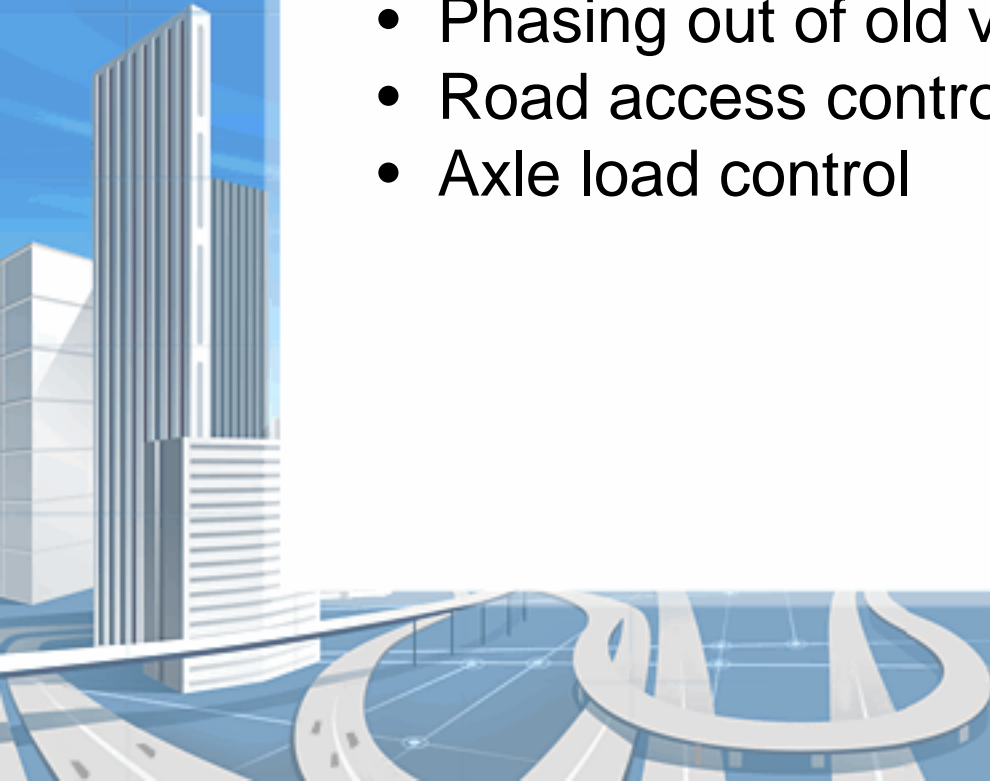
- Coordination
- Road safety action plan
- Vehicle insurance Policy
- Act and regulations
- Investment priorities
- Data collection
- Long term targets
- Research
- Capacity building of stakeholders
- Strengthen Institutional arrangement
- Certified road safety auditors

Safer Roads and mobility

- Road safety audits and audit manuals
- Black spot analysis
- Traffic calming measures
- Road furniture to improve safety
- Safe Pedestrian crossing
- Traffic signals
- Work zone safety
- Intuitional arrangement for road safety audit
- Guidelines for safe road design
- Road maintenance
- Pedestrianized zones
- Parking and loading zones

Safer Vehicle

- Amendment of VTMA and VTMR
- Ensure seat belt and other safety requirement
- Motivation to promote safety features and standard
- Vehicle fitness test
- Phasing out of old vehicles
- Road access control on vehicle dimension
- Axle load control



Safer Road Users

- Road user behavior survey
- Safety awareness campaign
- Safety in school curriculum
- Improve driver license system
- Improve speed control mechanism
- Enforce seat belt, helmet
- Develop code of conduct for road users
- Develop capacity of driving schools



Post Crash Response

- Ambulance
- Communication
- Trauma care
- Rehabilitation of Crash Victims
- Medical research on major injuries
- Comprehensive injury surveillance system
- Train Emergency response agencies



ISSUES

Engineering
Enforcement
Education
Environment



Engineering:

- Road planning and design confirming to road safety needs
- Resiliency considerations (planning ,design, maintenance, operation)
- Urban development to address safety needs
- Comprehensive approach in development in addressing road safety issues (Parking, Market development, Events)
- Different agencies developing standards



Enforcement

- Morale and motivation among field workers
- Equipped enforcement agency
- Well defined responsibility and accountability of enforcing agency
- Coordination among stakeholders
- Clearly defined enforcement actions and penalties, punishments and corruption control in it

Education

- Extremely low level of road safety awareness program(all stakeholders)
- Poor capacity in conducting effective road safety awareness program
- Effective Safety curricula in School education
- Road safety awareness considering the environmental and social aspects
- Effective use of knowledge, technology and modern communication
- Research (behavior)

Environment (Policy)

- Active National road safety council and effective coordination among stakeholders
- Act and Regulations (VTMA and VTMR , Road Safety, Road Safety council)
- Well defined role and responsibilities among stakeholders and defined accountability
- Capacity of road safety auditor and road safety awareness campaigner

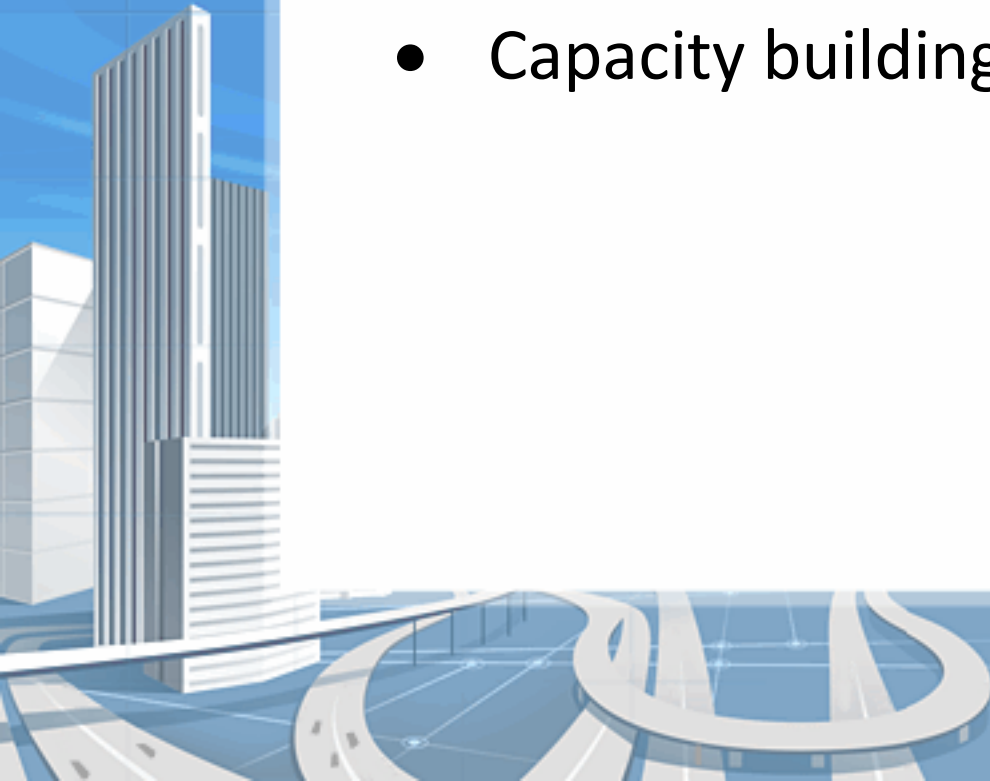
Environment (Policy)

- Strengthening Institutional arrangement, capacity, research and resource allocation
- Clear and appropriately defined penalty and punishment system
- Defined response time after occurrence of crash, maintain crash damage and traffic opening.
- Uniformity in awareness and information (standard curricula)

Responses initiated

Engineering

- National Road and Bridge standard in place
- Road safety audit initiated
- Capacity building activities initiated



Enforcement issues

- Act and regulation amendment initiated
- Strengthening and capacity building

Education

- Initiation of road safety awareness program from various stakeholders
- Initiation of road safety related non- governmental organizations
- Initiation of discussion on incorporation of social, environmental issues in road safety

Environment

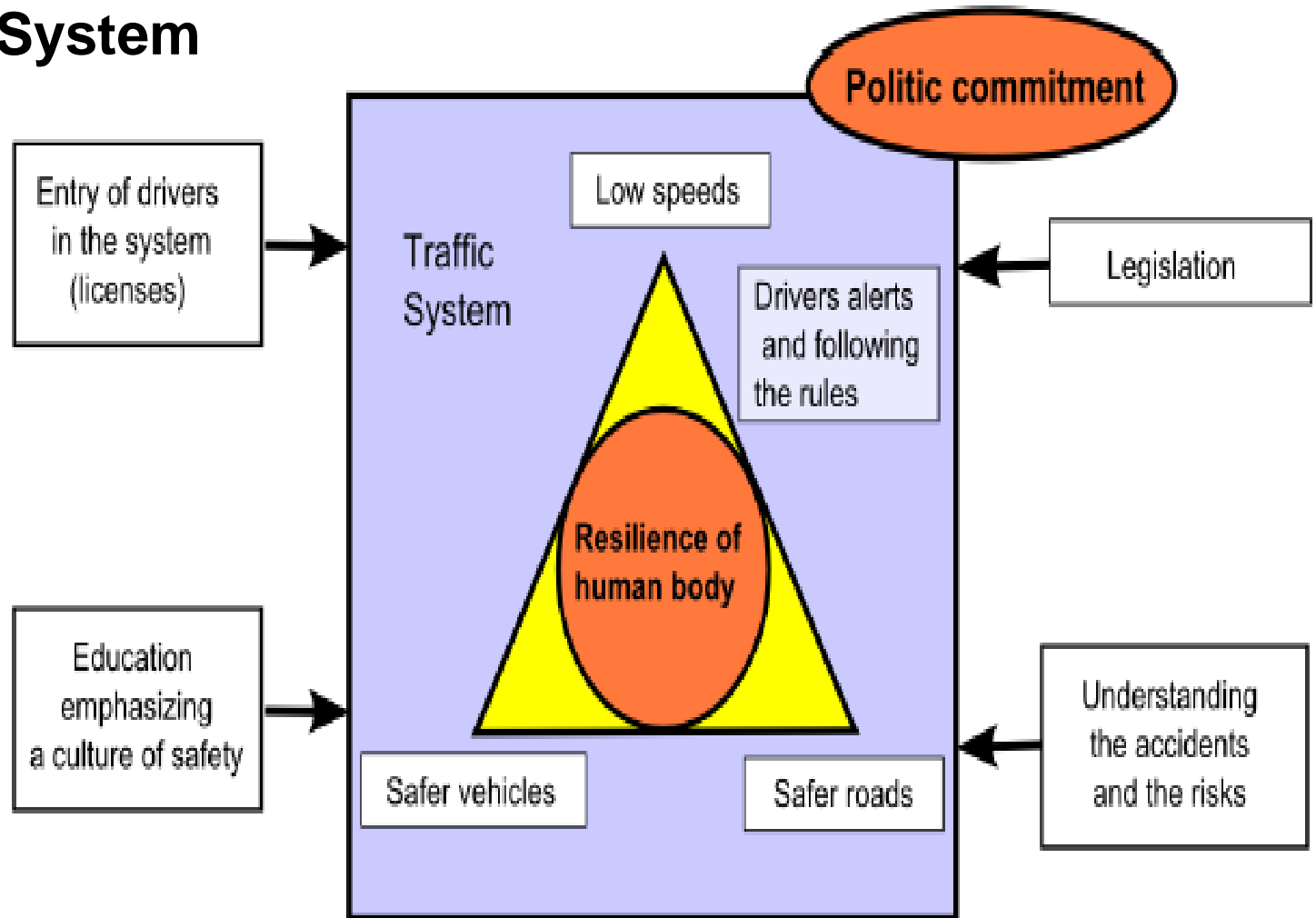
- Road safety council act and regulation under preparation
- Ad-hoc Road safety council formulated
- Initiation of response mechanism (ambulance, recovering traffic movement)



Outcomes

- Road safety issues seriously taken up in road development process than it was before
- Coordination among stakeholders being initiated
- NGOs coming up with more effective activities
- In some of the routes, visible accident reduction.
- Amendment of act and regulation on going

Elements for Safe Traffic System



Source : Johnson 2012 and WHO 2013

Actions of immediate need

- Strong, sustained and honest commitment and effort from the political level as well as all stakeholders on the roles from each of them.
- Sustained effort and commitment towards building the capacity in road safety related efforts and their sustained implementation.
- Strong, effective, sustained monitoring and evaluation mechanism with effective adoption of feedback from the process.

Thank You