

**Support for Implementing Measures for the South East
Core Regional Transport Network Multi Annual Plan
(EuropeAid/125783/C/SER/MULTI)**

**UPGRATE OF THE LAW ON ROAD
SAFETY
(RSA/BSM/In Depth Analyze of fatal
accidents)**

by

Demir Hadzic

Head of Road Safety Department
Ministry of Infrastructure

1. Workshop TIRANA Januar 2009

RWR/RSA Consultant: WYG – TRADEMCO – VIENNA CONSULT – TRL

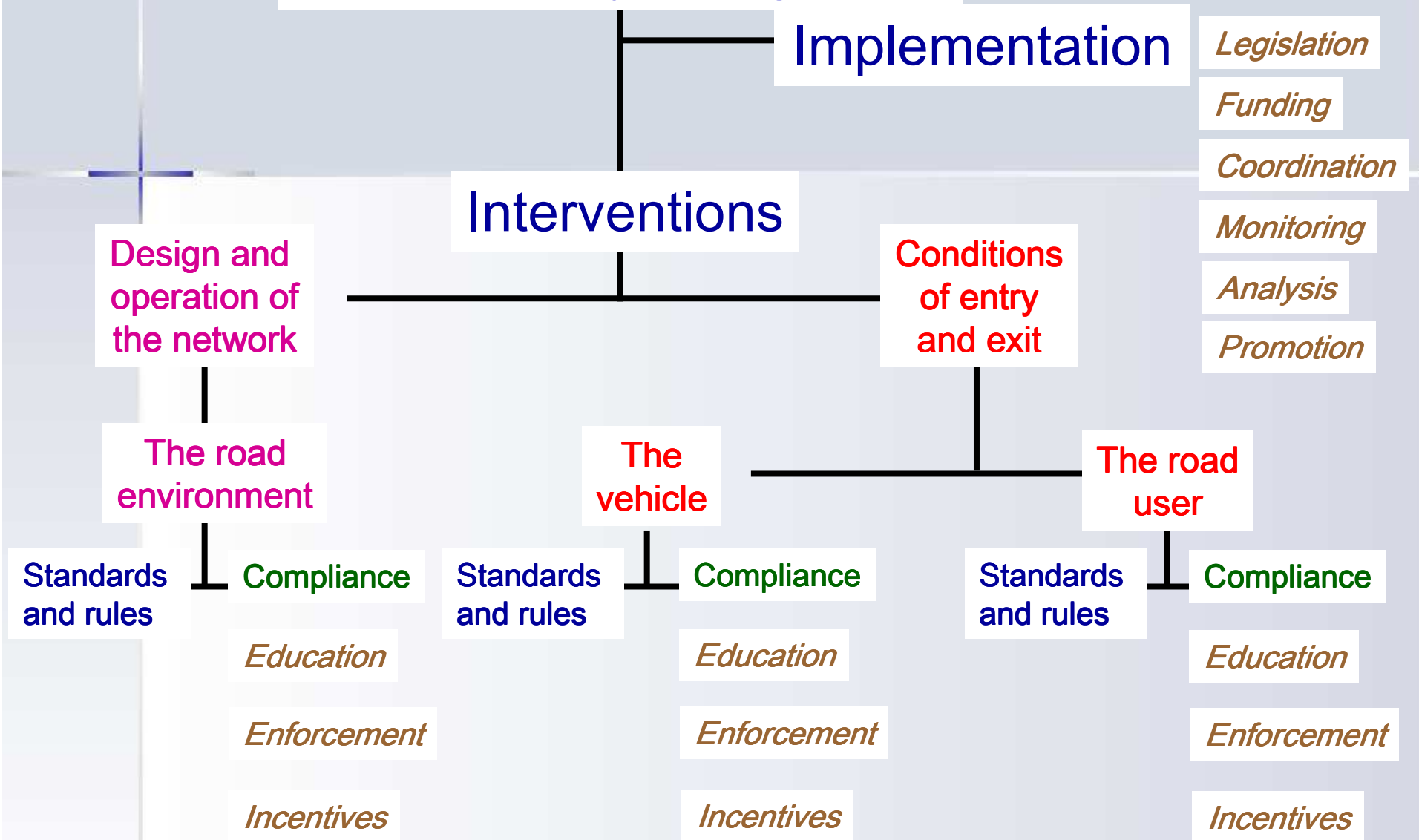


Outline

1. **Safety Targets**
2. Overview – Road safety in Serbia
3. **Focus on Roads**
4. Road Safety Audit
5. **Black spot Management**
6. In Depth Analyze
7. **Legislation**
8. Conclusion



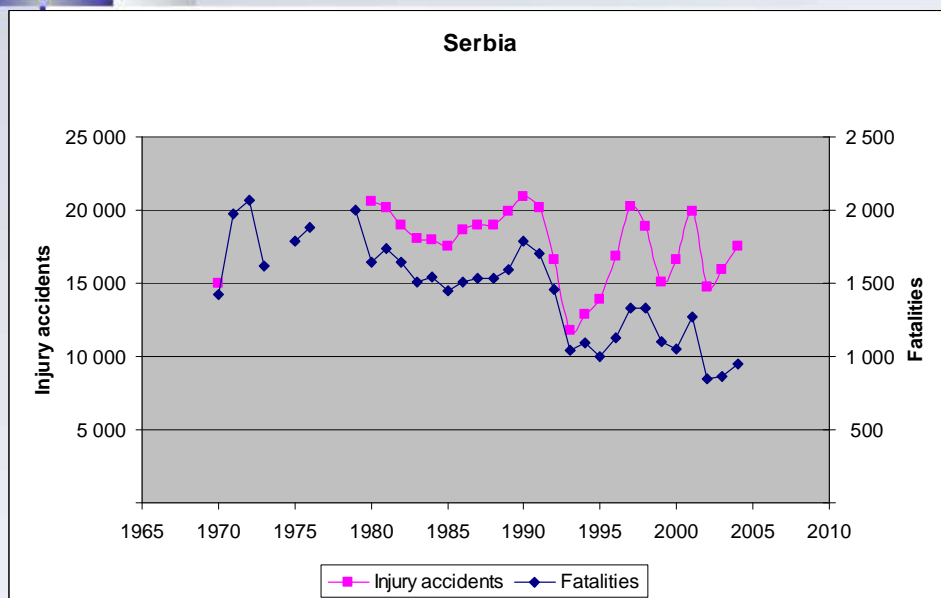
1. Safety targets



Source: Tony Bliss, road safety specialist in World Bank, Results Focus, Addis Ababa, November 2007



2. Overview - Road Safety in Serbia



Source: Ministry of Interior, Republic of Serbia

72% of deaths occurring on urban road network¹

Socio-economic costs has been estimated at 1.7% and may be as much as 2.3% of GDP (800 million US \$)¹

Road deaths per 10 000 vehicles (5.1) five time higher than the best Europe

Road death per 100 000 population (12.1) over twice as high as the best in Europe.

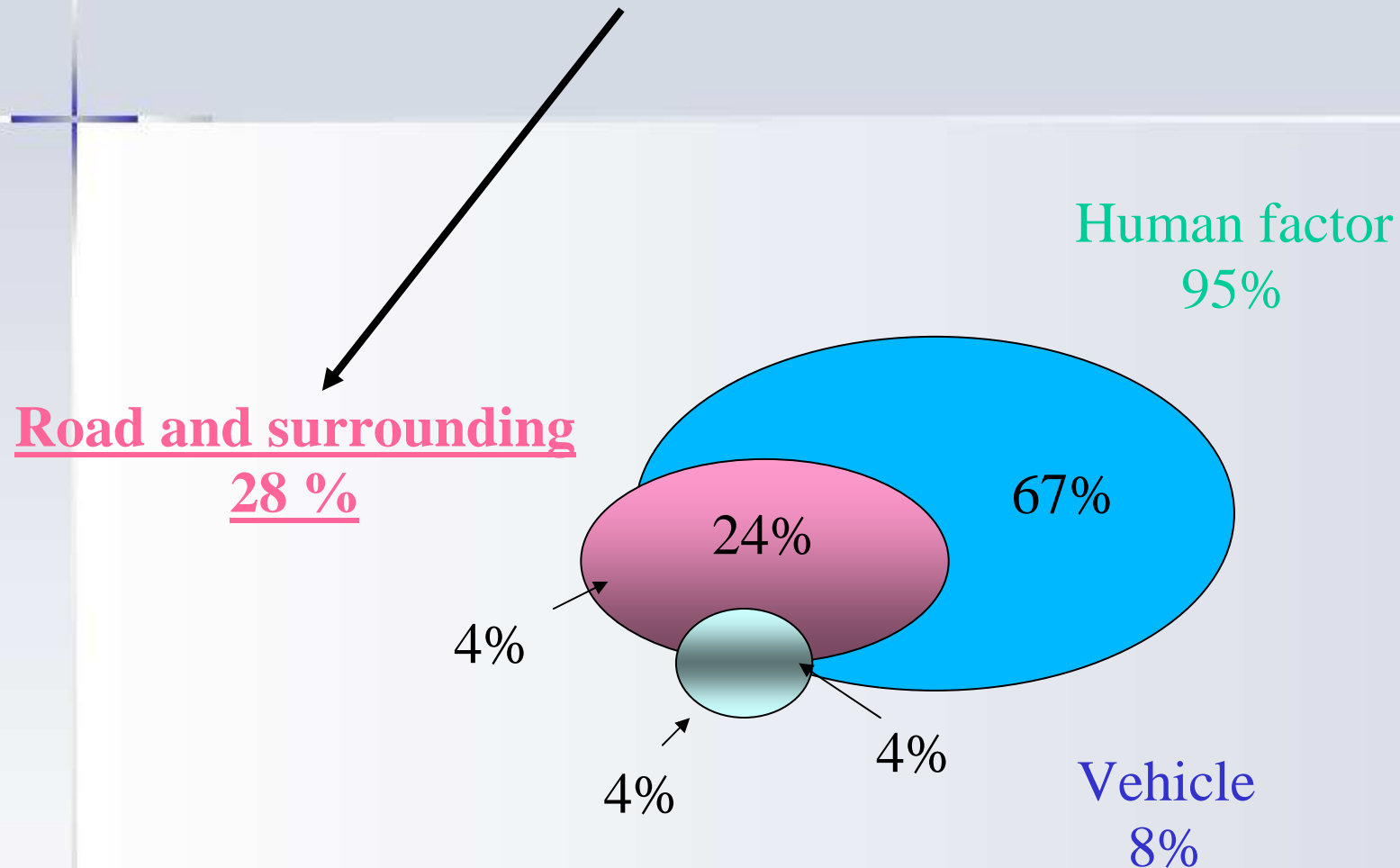
1. Review on Road Safety Capacity Management in Serbia, World Bank, 2007



RWR/RSA Consultant: WYG – TRADEMCO – VIENNA CONSULT – TRL



3. Focus on Roads



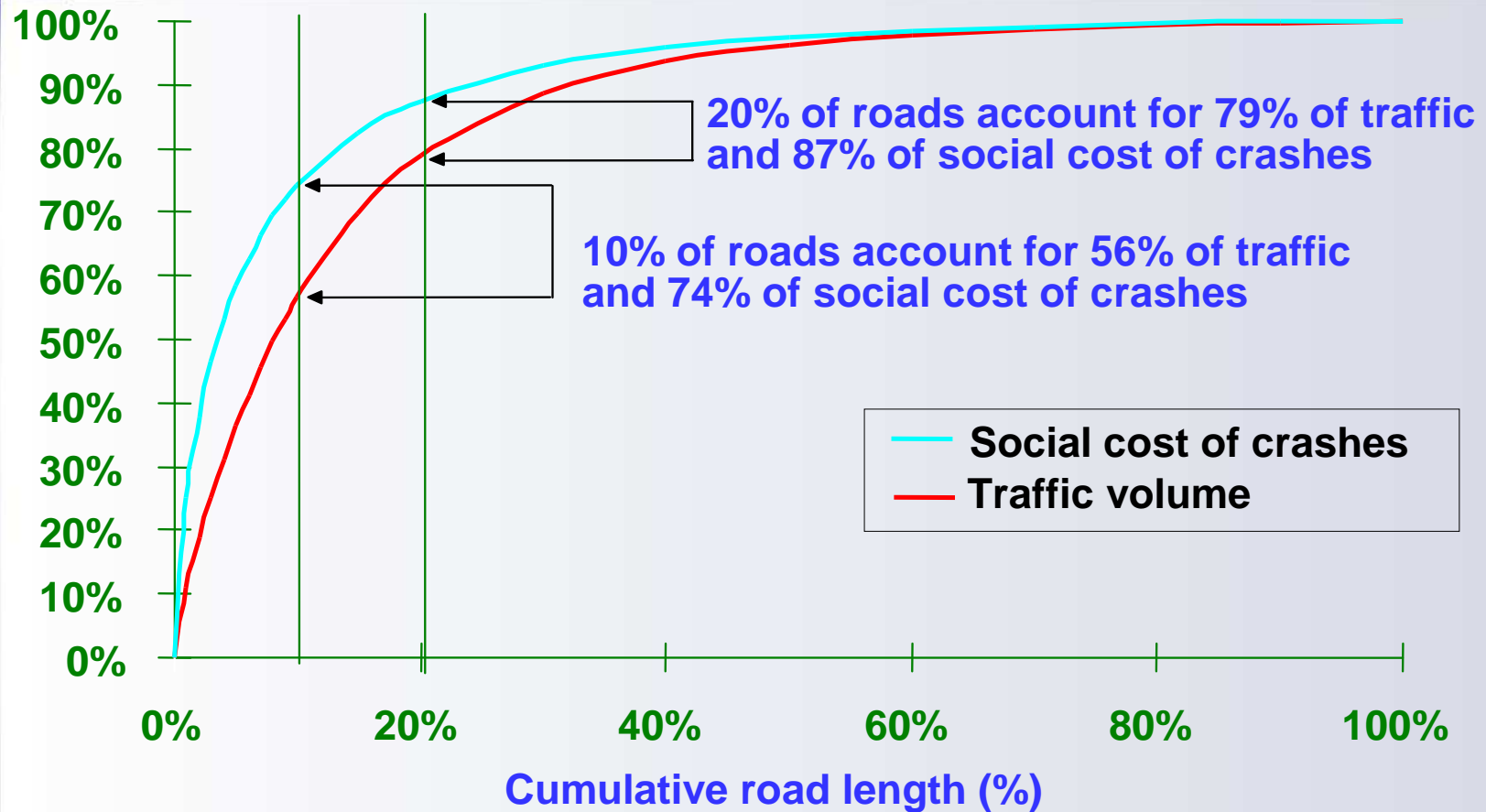
Source: Traffic Management Training, Land Transport Authority, Singapore, 2005



Focus on Roads

Concentration of outcomes

Cumulative traffic volume or social cost (%)

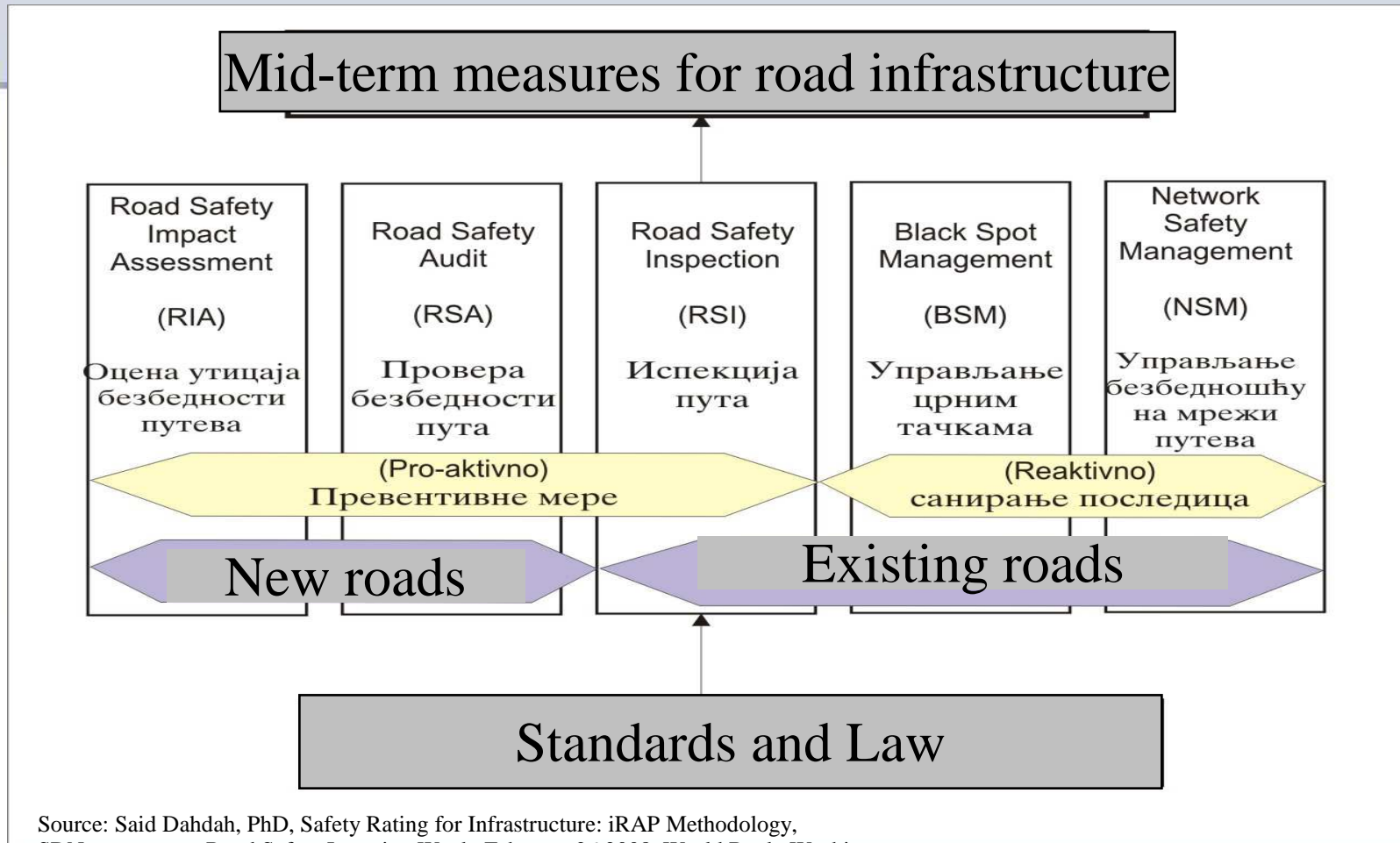


Source: Road Safety Strategy 2010, National Road Safety Committee, Wellington, New Zealand, October 2000

RWR/RSA Consultant: WYG – TRADEMCO – VIENNA CONSULT – TRL



Focus on Roads



Source: Said Dahdah, PhD, Safety Rating for Infrastructure: iRAP Methodology, SDN- Road Safety Learning Week, February 26, 2008, World Bank, Washington D.C., USA

1. Workshop TIRANA Januar 2009

RWR/RSA Consultant: WYG – TRADEMCO – VIENNA CONSULT – TRL



4. Road Safety Audit²

Road Safety Audit Goals are:

- Identification of potential problems and risk section for road users;
- Decreasing of serious accidents by implementing contra measures;
- Increasing of people awareness for road safety in process of planning, designing, constructing and maintenance.

2. Land Transport Authority, Singapore



Road Safety Audit

Road Safety Audit is NOT:

- Factor to decide of the best solution on tender (it is to Audit only the one that is already adopted);
- Revision of the design and recommendation of new design;
- Technical inspection of the road and critic of someone solution;
- Check of the implemented standards.



Road Safety Audit

Benefits of Road Safety Audits:

- Cost - Benefit Ratio is 1 : 20 (New Zealand, 1993);
- Costs are smaller than benefits;
- Decreasing of severely injuries;
- Higher awareness of road managers for road safety.

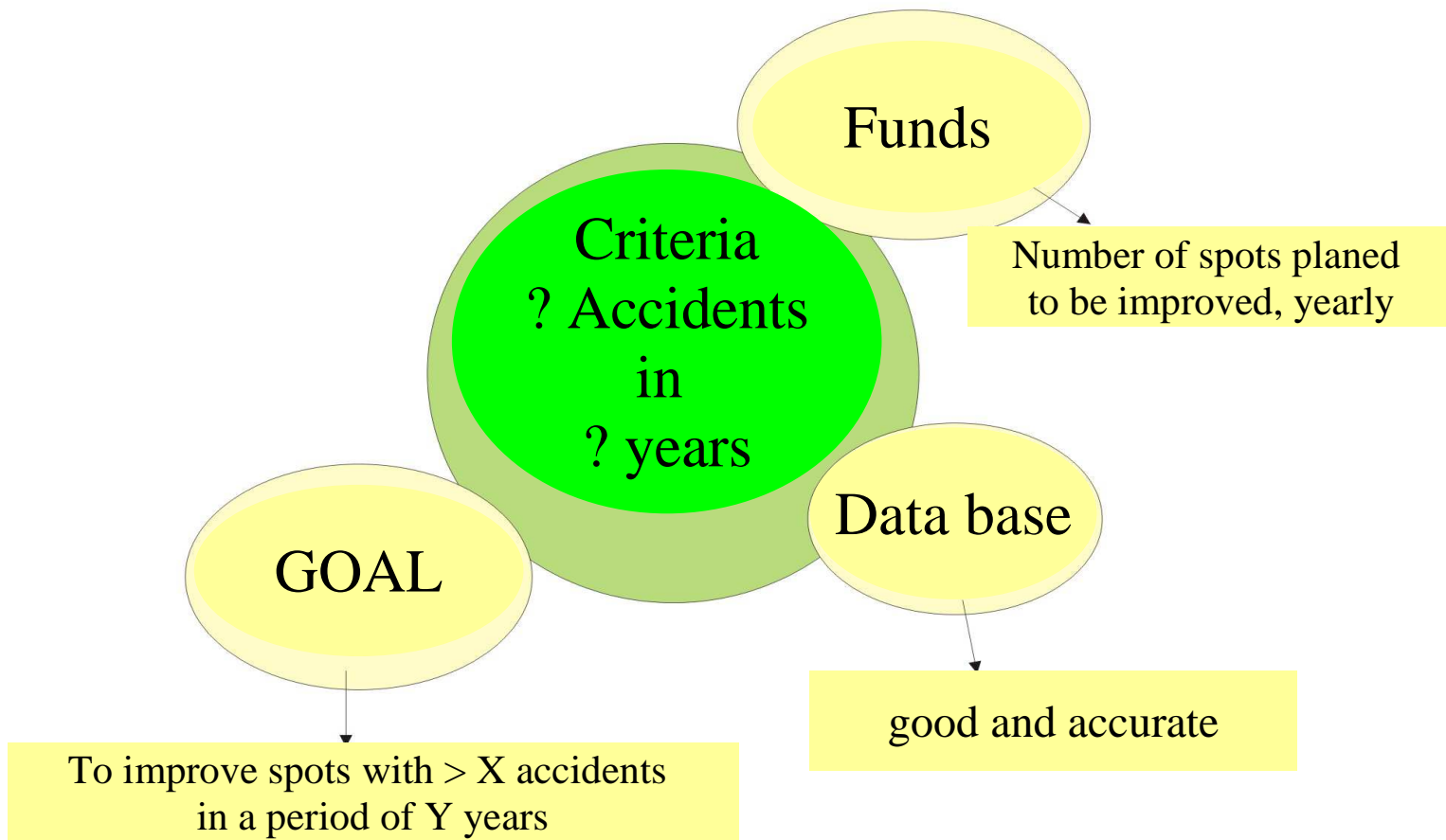


5. Black (Hazardous) spot management²

- Black spot is a spot or section of the road where accidents are concentrate;
- Cost - Benefit Ratio is 1:14 (Australia and New Zealand);
- Good and accurate data base;
- Monitor and Evaluation.



Black spot management



Source: Traffic Management Training, Land Transport Authority, Singapore, 2005



6. In-depth analyzes

- What was road contribution to accident;
- Independent analyzes;
- Increasing of awareness of road managers for road safety;
- Accidents with death and severely injured.



7. Legislation

Questions for decision makers:

1. Should all of this be in the Law?
2. Is it the way of working and awareness or should be mandatory?



New Draft of Law on Road Safety in Serbia

Include:

- Road Safety Audit;
- Black Spot Management;
- In Depth Analyze.



New Draft of Law on Road Safety in Serbia

Road Safety Audit: ...

- A commission consisting of independent and licensed professionals shall verify whether the requirements in relation to the traffic safety were met in the stage of designing, construction, reconstruction, rehabilitation and maintenance of the road.



New Draft of Law on Road Safety in Serbia

Black Spot Management: ...

- The road manager shall monitor the safety conditions of the road traffic; he shall conduct professional analyses of the black spots on the road and take measures for eliminating the black spots in conformity with an individual project of traffic safety.



New Draft of Law on Road Safety in Serbia

In Depth Analyze: ...

- In the event of a fatal accident, the road manager shall form an independent expert team that shall within 5 days from the accident come on the spot, consider the circumstances and trails of the cause of the accident and propose measures.



8. Conclusion:

Some of the Answers for successful implementation:

- It is based on funds for the road management;
- Depend from public awareness;
- Coordination and cooperation with focus on results (Ministry, Road enterprise, traffic police etc);
- It should be input from Road enterprise to the legislation makers;





RWR/RSA Consultant: WYG – TRADEMCO – VIENNA CONSULT – TRL



THANK YOU!

Demir Hadzic
Head of Road Safety Department
MINISTRY OF INFRASTRUCTURE
Republic of Serbia
Nemanjina 22-26
11000 Belgrade
dhadzic2002@yahoo.co.uk

