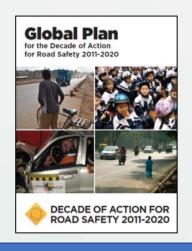


Safer Road Infrastructure & Speed Control

Brendan Halleman
International Road Federation











Building Industry Partnerships

"IRF delivers world-class **knowledge** resources, **advocacy** services, and continuing **education** programs which together offer a global marketplace for **best practices** and **industry solutions**".



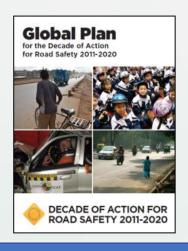
















Safe System, Safe Roads

....recognizes that road users will remain fallible and crashes will occur

....stresses that those involved in the design of the road transport system need to share responsibility for the safety of the system

....aligns safety management decisions with broader transport and planning decisions.

....shapes interventions to meet the long term goal.



Safe System, Safe Roads







- 6 fatal head-on crashes
- 3 injury head-on crashes

- No fatal head-on crashes
- No injury head-on crashes























75% road signs, traffic signals in Delhi are faulty: study

Nearly 75% of road signs, traffic signals and road markings in Delhi are not up to the mark and lead to millions of traffic violations without road users being at fault, says a study

 \vee

Mayank Aggarwal



Most traffic signals at intersections in Delhi were not functioning as per the prescribed standards or are wrongly installed, said the study. Photo: Mint

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May 2014

Safety can be mainstreamed

"The client will take into consideration relevant EU road and traffic safety management standards, identify road safety measures and incorporate technically and economically feasible and cost-effective road safety components into the project design to mitigate potential road safety impacts on the local affected communities. Where appropriate, the client will undertake a road safety audit for each phase of the project and routinely monitor incident and accident reports to identify and resolve problems or negative safety trends. (...).







Road Safety Impact Assessments Design-stage RSAs

Road Safety Audits

Black Spot Programs

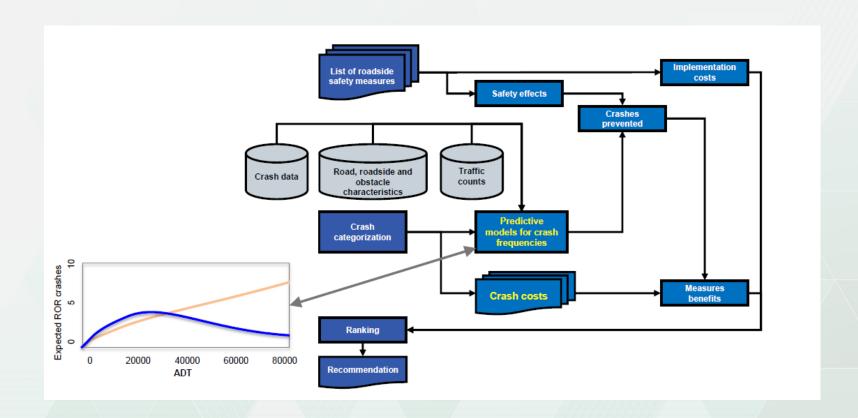


Pre-opening Stage RSAs

Road Safety Inspections
Network Safety Management
iRAP survey

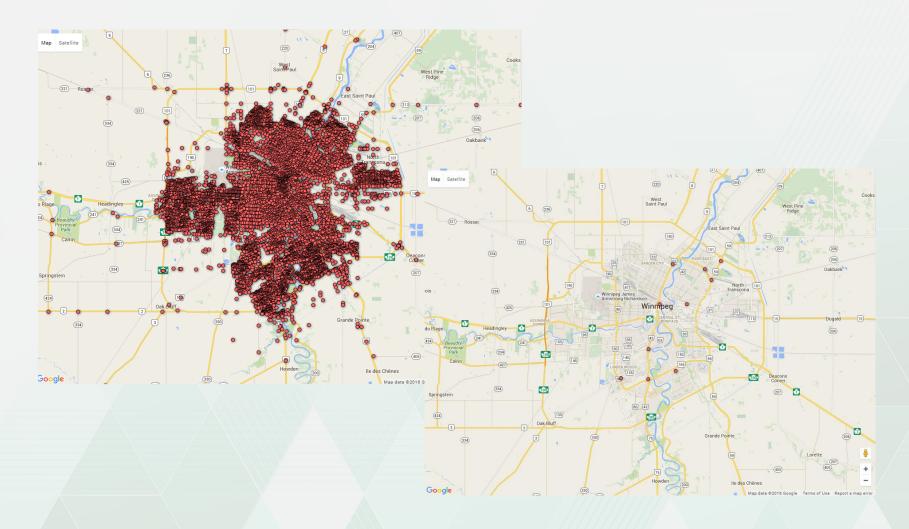
Safety Investment Decisions: Portugal





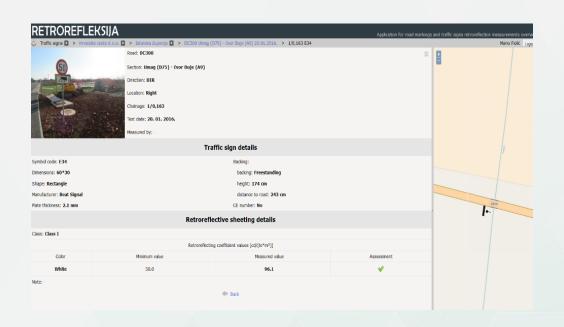
Safety Investment Decisions: Canada





Safety Investment Decisions: Croatia





- Average age of technically correct signs: 6,34 years
- Average age of technically defective signs: 11,54 years







Closing thoughts

- Make an economic case for road safety investments
- Use your road asset management systems to guide period safety improvement needs
- Set high standards for the professionals involved in designing and auditing your roads
- Leverage technological enablers.

Available Resources



- Road Infrastructure Safety Management, ITF/OECD
- Highway Safety Manual, AASHTO
- Road Safety Manual, PIARC
- Road Safety Manuals for Africa, AfDB
- Road Safety Toolkit, iRAP
- Crash Modification Clearinghouse
- Best Practices for Effective Road Infrastructure Safety Investments, CEDR
- Reducing Deaths in SVCs, ETSC





