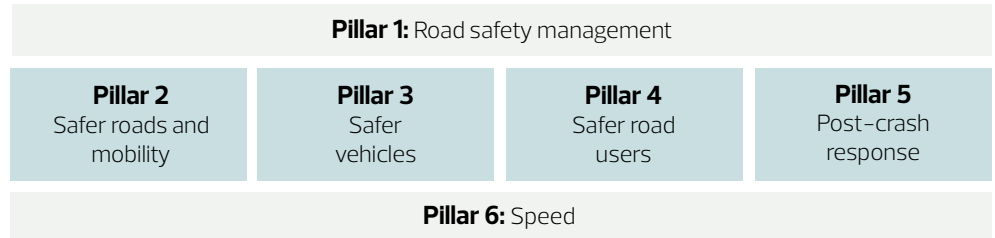
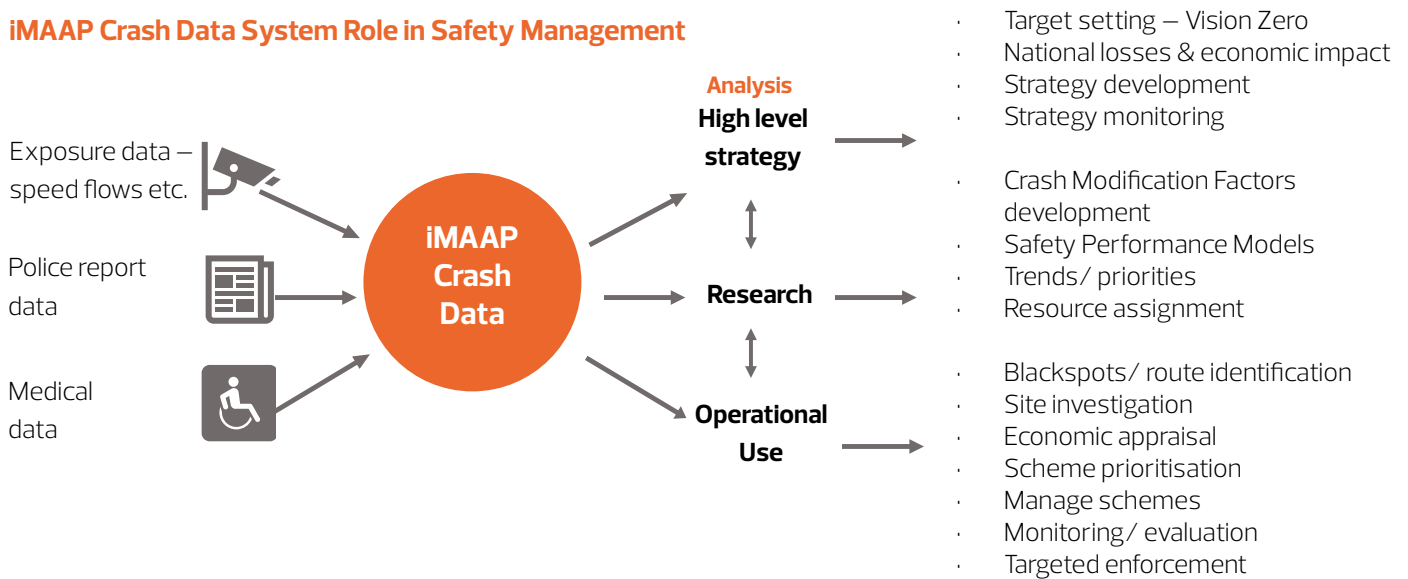


Data and technology – Fundamental to Road Safety Management and Safe Systems

United Nations have developed Safe Systems pillars to provide a structure for road safety action. TRL believe that use of data and technology across all pillars is essential for road safety action to be more effective.



iMAAP Crash Data System Role in Safety Management

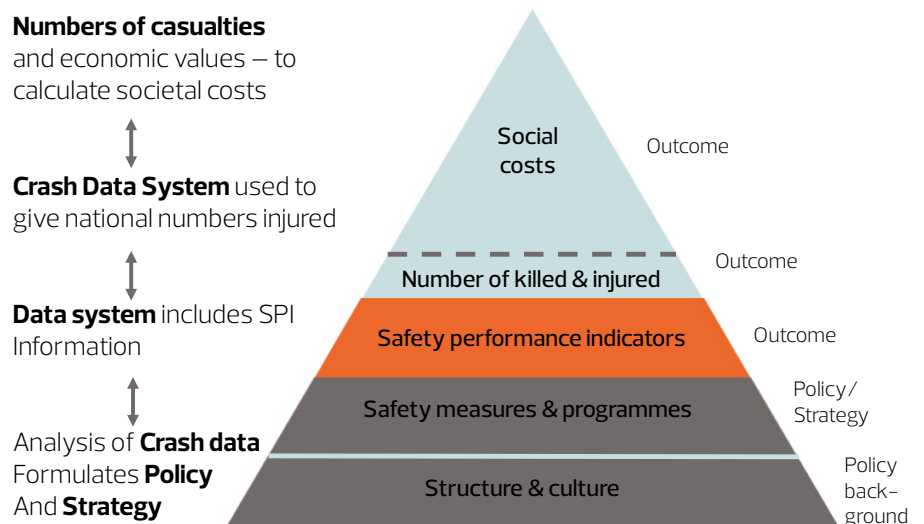


United Nations 2018: Improving road safety management:

'Vehicle crash data plays a vital role in the identification of road safety problems, selection of countermeasures, and evaluation of the effectiveness of the related policy, programmes and interventions. There is an absolute requirement for the collection of system-wide reliable vehicle crash data.'

- Strategies must be linked to the real problems and risk factors identified from local data
- Brings together a multiple data sources so the situation can be assessed leading to greater insights for action
- Effectiveness of the all measures to improve road safety must be evaluated
- Availability and use of better crash data enable Road Authorities, Governments, Police and other stakeholders to achieve casualty reductions
- Crash Data vital for achievement of road safety 'Sustainable Development Goals' and '2nd Decade of Action' targets
- Crash data must be collected, shared between stakeholders, analysed and applied to manage road safety effectively

Safe Systems Framework for Improved Safety



TRL can support clients with all aspects of the Safe Systems Pillars:

Road safety management

Activities

Capacity reviews/ Plan and target development

Start point: GAP analysis: · Capacity Building · Reserach needs · Data improvement
· Detailed strategy · Evaluation

Experience

TRL has helped many clients develop safety management plans:

· Arabian Gulf states · Kenya · Jamaica · Isle of Man · UK Ministry of Defence



Safer roads and mobility

Activities

Blackspots/Route identification & investigation

iRAP Star Rating - localisation

Experience

AfDB Engineering Manuals
Towards Safer Roads

Ghana feeder roads project
TRL iRAP Centre of Excellence



Safer vehicles

Activities

Understand vehicle factors in crashes: Inform development of importation legislation

Experience

Development of the EU vehicle regulations: General Safety Regulation (GSR)

Impact of vehicle technology on safety in S. America on KSIs



Safer road users

Activities

Design tailored campaigns, training and school education based on real risks
Intelligence led enforcement

Experience

Kerala Enforcement support project – 2019
'How to manuals' on the 'Fatal 4'



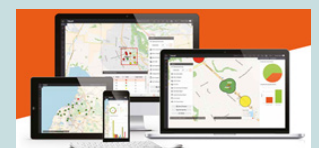
Post-crash response

Activities

In-depth investigation building on police crash data
Better police crash data and practices
Better medical resource management

Experience

iMAAP implementation support:
Ghana, India, Botswana, Mauritius, PNG



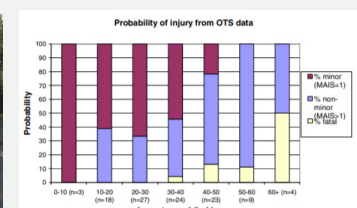
Speed

Activities

Safe System Speed limit assessment
Speed enforcement programmes
Road design to manage driver speeds

Experience

National speed limit policy reviews
Speed limit assessment tool development
Evaluation of speed enforcement to mechanics of road injuries



Questions? Get in touch

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