

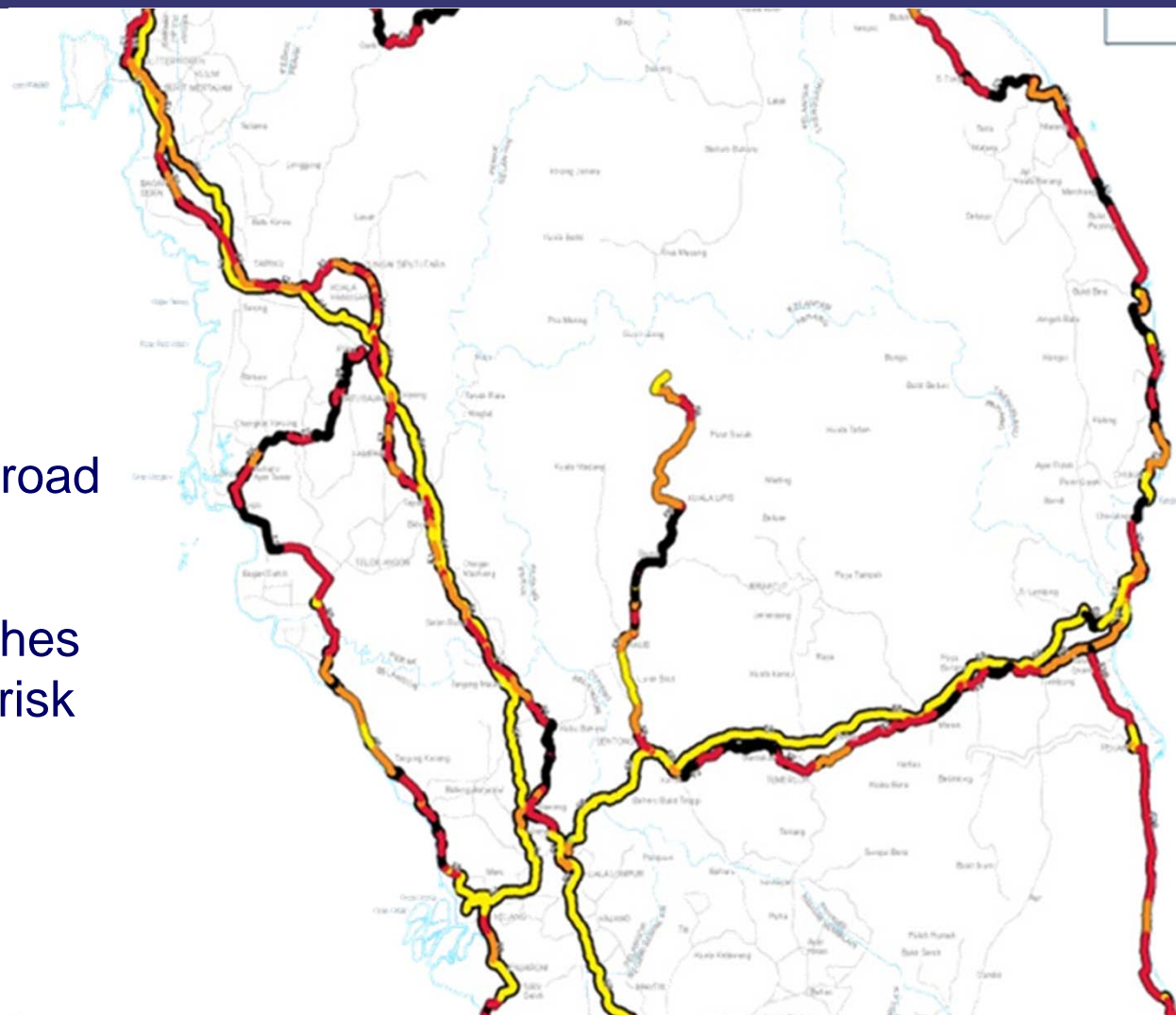
# Application of crash risk ratings to the management of the road network

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Submission to Victorian Parliament Road Safety Committee

# Example – map of severe crash risk scores

- Risk scores (SRS) express individual road user risk
- Predicted FSI crashes express collective risk to the community



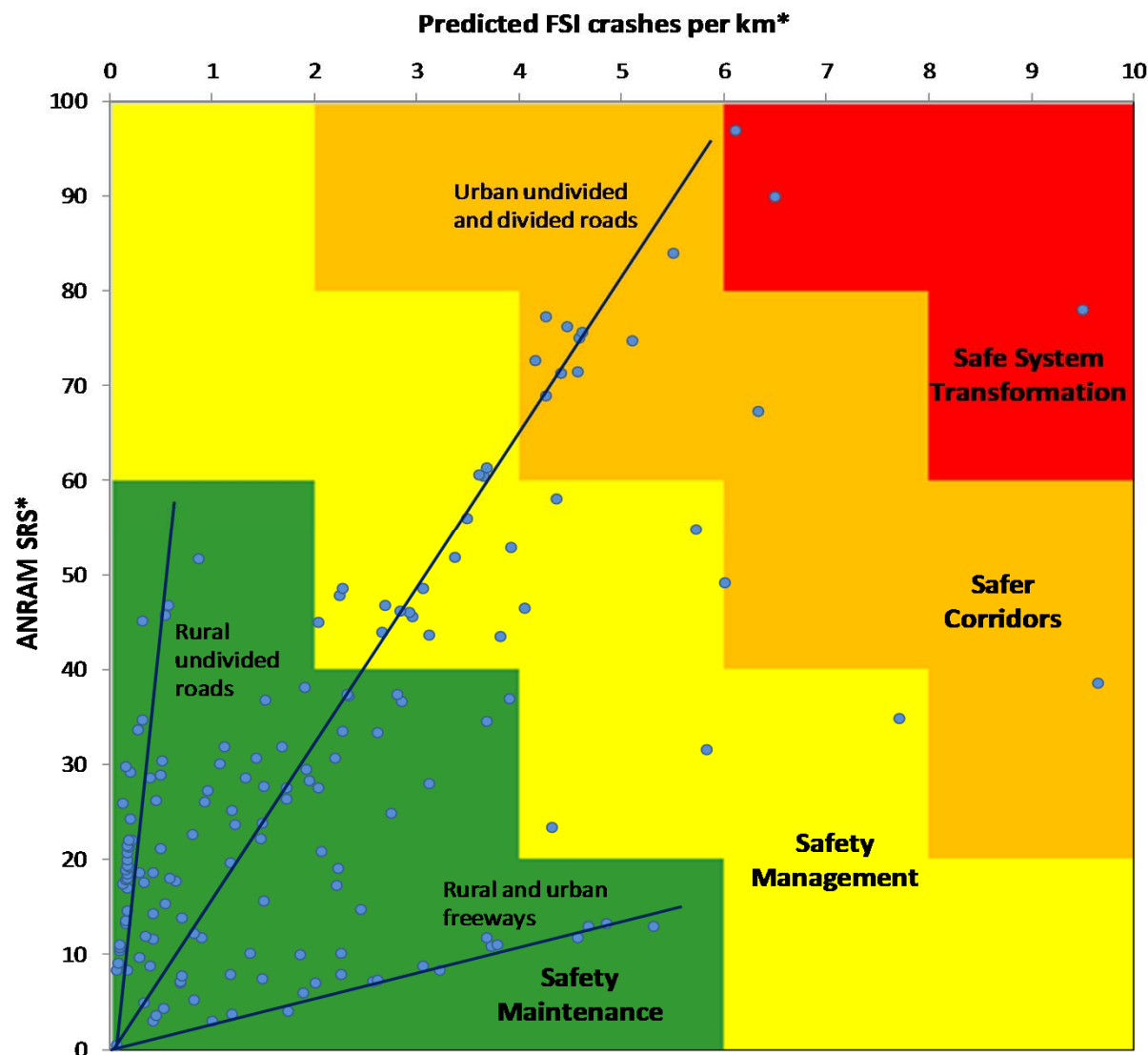
# Application of ANRAM

- Identify and compare severe crash risk levels across the road network
- Target priority crash types, e.g. pedestrians, motorcyclists
- Prioritise improvements:
  - strategic alignment of \$\$\$ with high severe crash risk locations
  - develop road safety programs
  - program & project BCRs/NPVs
- Repeat every few years
- Measure progress towards Safe System infrastructure

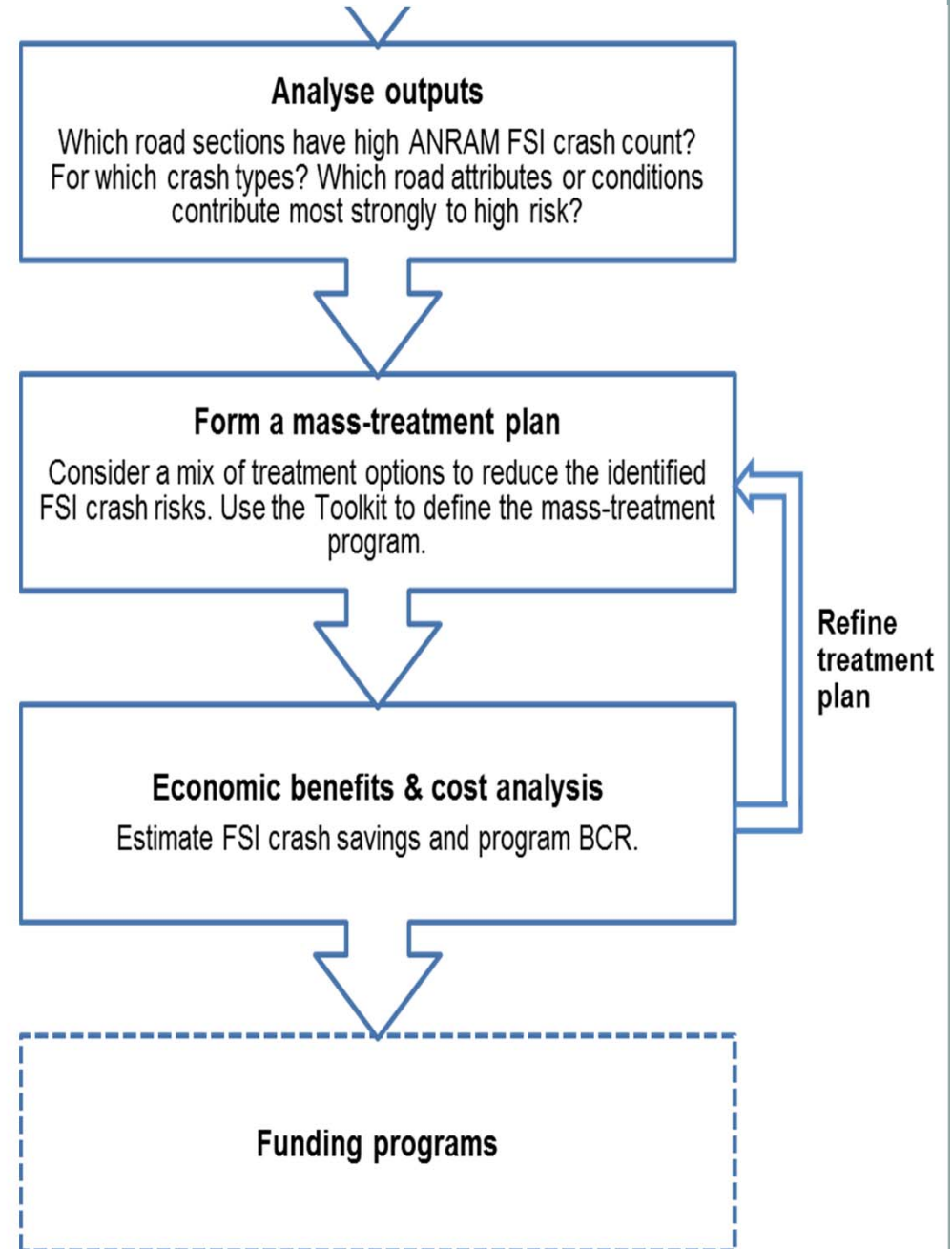
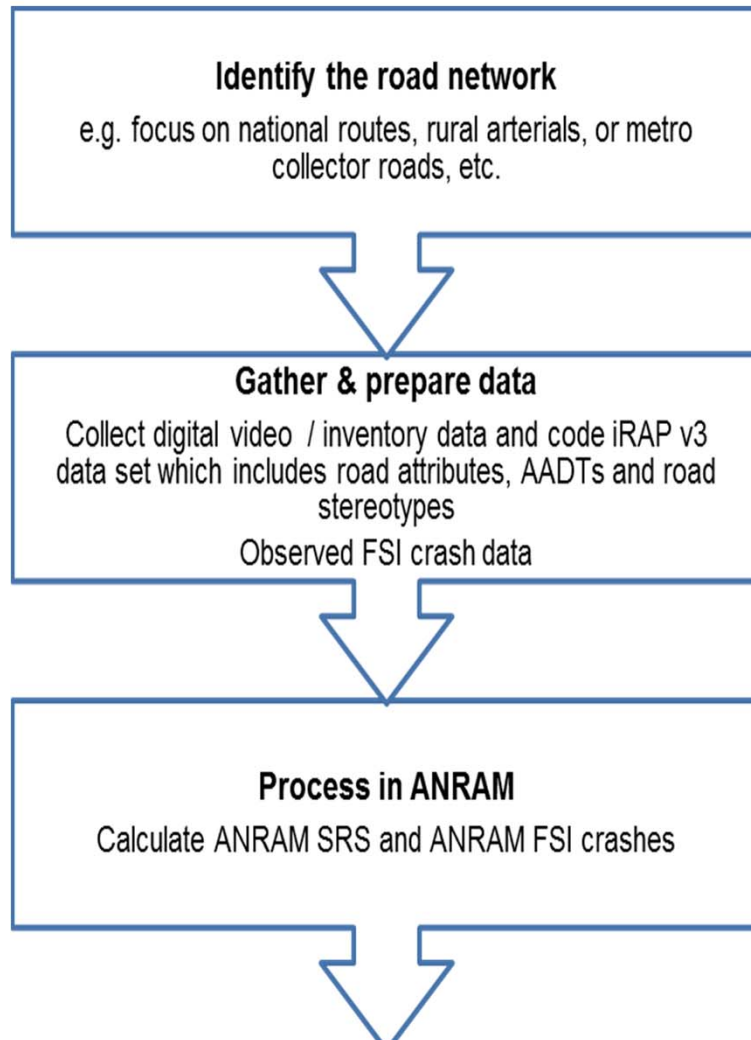


# Example of a strategic approach (NZ)

- Recognise roles of different programs, e.g. big projects vs. mass action treatments
- Importance of safety maintenance and safety gains through asset management and technology improvements
- ANRAM quantifies benefits of all approaches



# Implementation



## ANRAM users

- Road safety policy makers
- Funders of road safety programs
- Large road project planners (audit)
- Infrastructure program managers
- Regional and local government engineers
- Auto clubs, e.g. RACV

## Next steps

- Trials by jurisdictions, feedback
- Implementation by jurisdictions
- Software improvements, mapping
- Future funding programs based on risk assessment
- Direction of future development to be coordinated by ANRAM Advisory Group