



Safe System Capacity Survey

2024

3rd Edition: Culture



With Support From:

RSGB, Roadsafe, CIHT, PACTS,
ADEPT, Road Safety
Foundation, Institute of
Highway Engineers, RAC
Foundation, IAM



Introduction

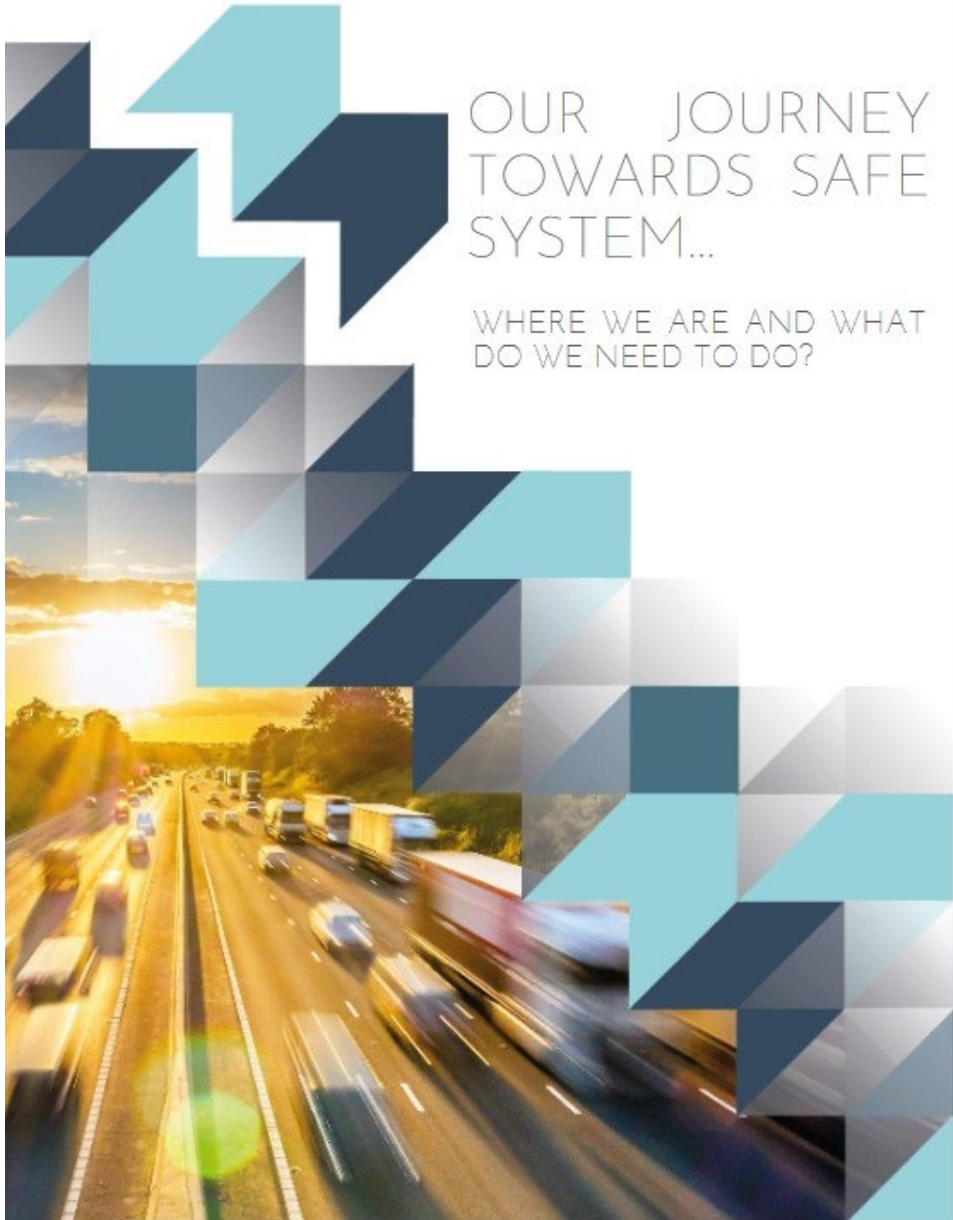
- Annual survey launched in 2022
- Provides a snapshot of sectoral capacity and the state-of-play around Safe System efforts
- Gather collective insight to share ongoing strengths and frustrations



APRIL 2023

OUR JOURNEY TOWARDS SAFE SYSTEM...

WHERE WE ARE AND WHAT
DO WE NEED TO DO?



Previous Editions

- **Baseline Survey 2022** – focus on different levels of delivery and capacity for highways authorities and public sector organisations within the UK
- **Second Edition 2023** – widened the focus to include insight from private and third sector operators, and the internationally perspective on Safe System state of play
- **Core observations so far:**
 - Benefits of delivering against the Safe System
 - Lack of leadership and strategic guidance hindering progress
 - Governance, funding, target-setting and measurement of metrics through data collection all identified as core areas of further improvement
 - Different interpretations about what the Safe System means at the ground level and what different types organisations are involved in

<https://agilysis.co.uk/publications/#152-150-wpfd-white-papers>

What does Safe System mean to you?



Highways & Transport Authorities

- Embedding its principles
- Avoiding siloes
- A holistic tool
- What works & what doesn't



Police & Partnerships

- Technology
- Data & intelligence
- Lack of permeation and prioritisation
- Role of enforcement



Charities & Others

- A label - doesn't affect operations
- A vague range of activities
- VRU protection
- Vehicle control systems



Fire & Rescue Service

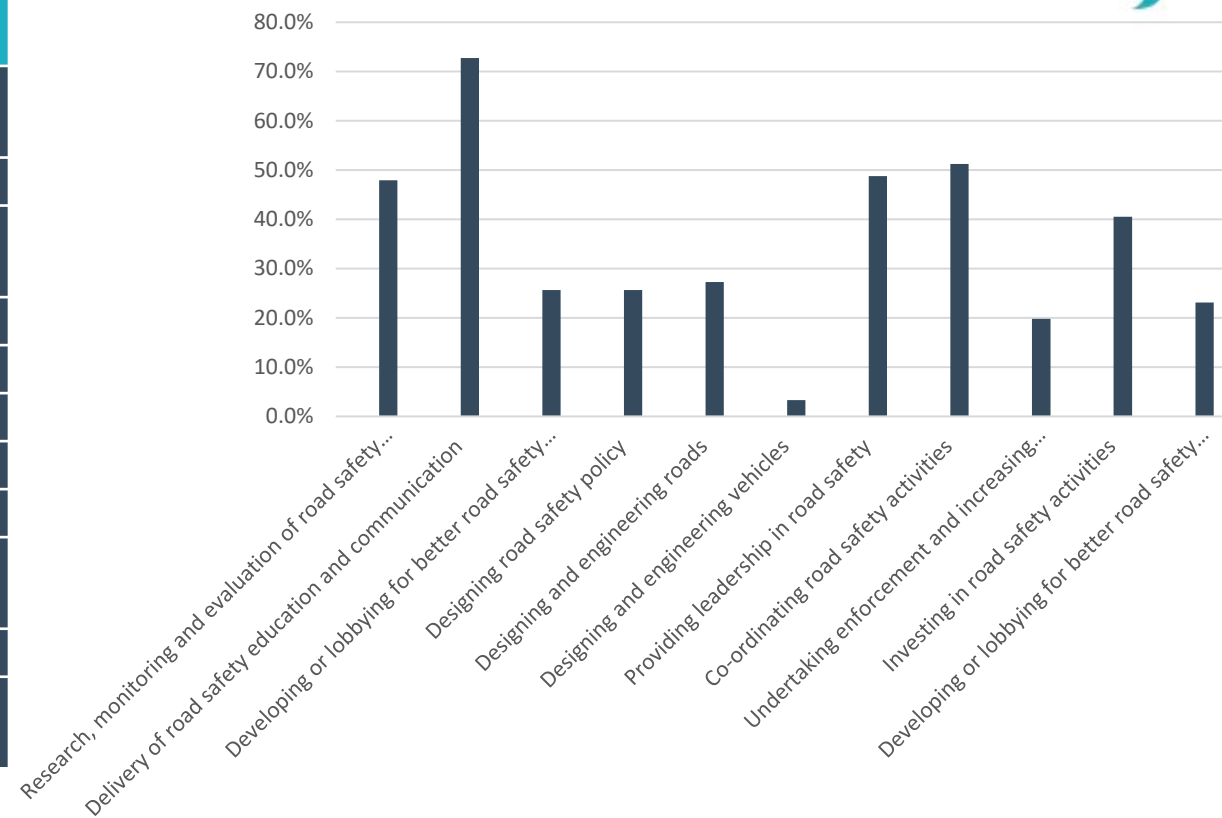
- Collaboration
- Creating layers of protection



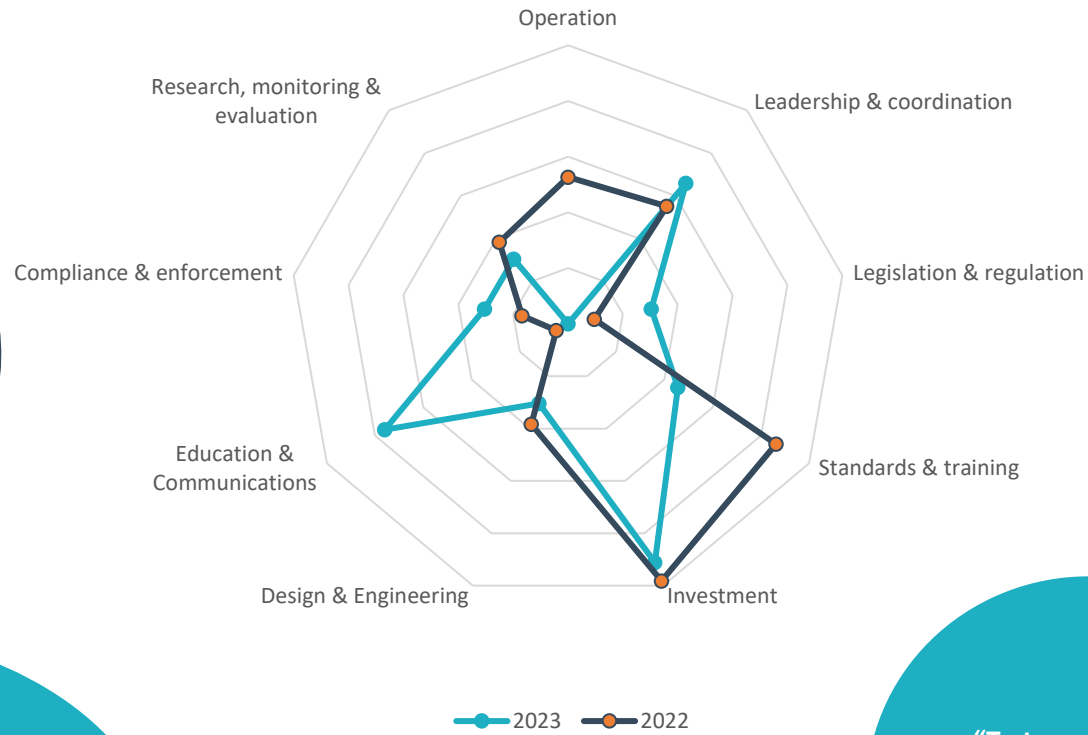


Involvement in levers of Safe System

	Response Percent
Research, monitoring and evaluation of road safety interventions – commissioned or directly undertaken	47.9%
Delivery of road safety education and communication	72.7%
Developing or lobbying for better road safety standards and training	25.6%
Designing road safety policy	25.6%
Designing and engineering roads	27.3%
Designing and engineering vehicles	3.3%
Providing leadership in road safety	48.8%
Co-ordinating road safety activities	51.2%
Undertaking enforcement and increasing compliance with road traffic laws	19.8%
Investing in road safety activities	40.5%
Developing or lobbying for better road safety legislation and regulation	23.1%



If you were to request support in implementing Safe System approaches, what would you ask for?



“Further expertise and involvement from vehicle manufacturers to support the safe vehicles working group, and input from the ambulance service in the post-collision working group and activities.”

“More critical examination of the present road system and ideas for how it could be improved”*

“A tool kit perhaps, a more realistic approach to achieving it with limited time and budget, a steer from the government such as targets, thematic examples for individual road user groups for what could work under the safe system?”*

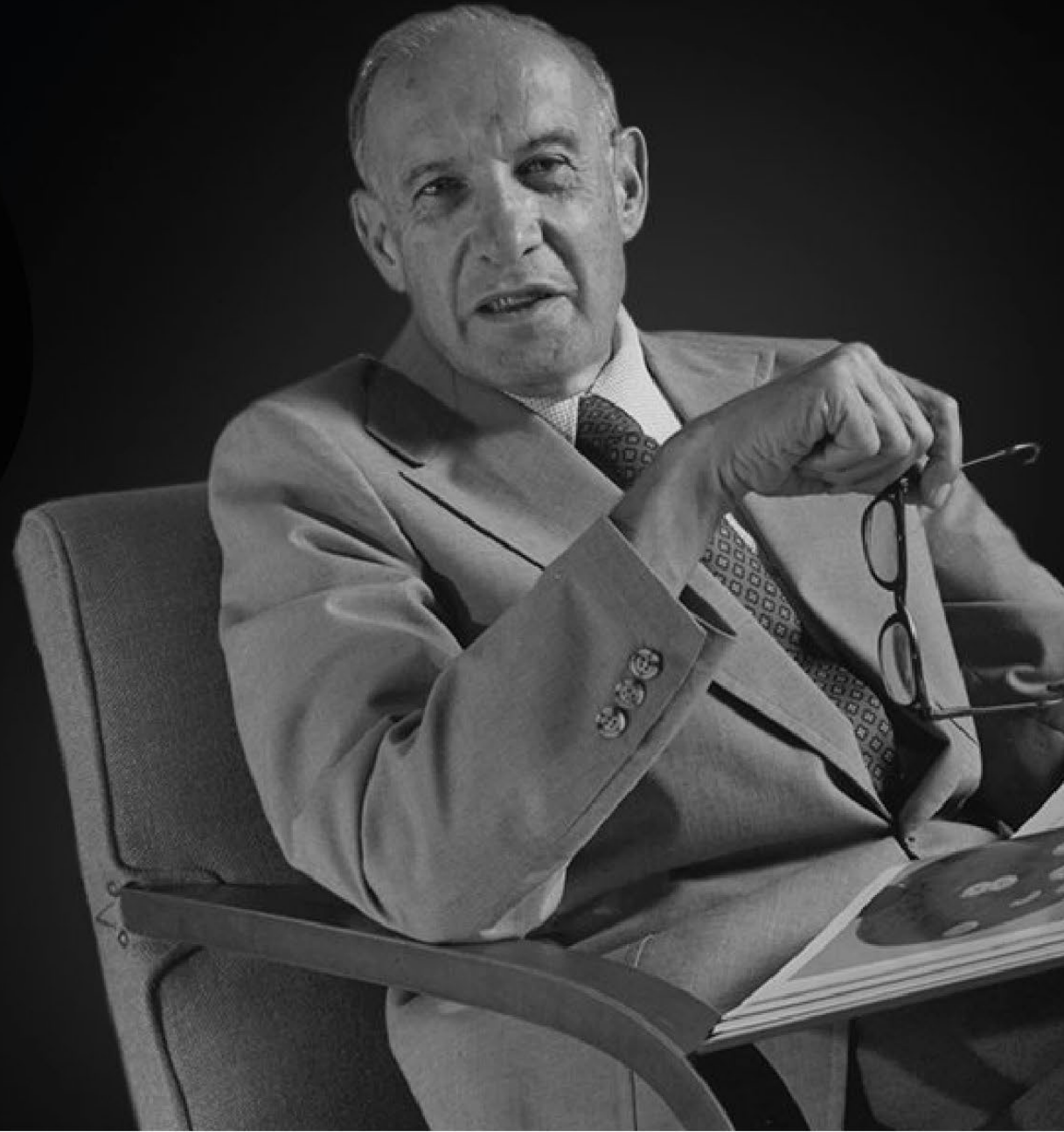
“More joined up thinking between legislators, road designers, driving test requirements and drivers.”*

“To try and get the partner agencies to commit to Vision Zero and Safe Systems.”

“Guidance documentation in a format that is easily digestible for political decision makers to assist with making the case for driving this forward into mainstream thinking and sufficient resources of experienced staff and finance (possibly ring fenced) to make it a reality.”

“Culture eats strategy for breakfast, operational excellence for lunch and everything else for dinner.”

- *Peter Drucker*





Why Does Culture Matter?

“The occurrence of death and injury in road use reflects the levels of knowledge, skills, experience, and will that are present within the management and operation of the road system”

Stipdonk, H., Aarts, L., Campsall, D., Carnis, L., Feypell, V., Fosdick, T., ... Vadeby, A. (2024). Maturity measurement in road traffic injury prevention. Traffic Safety Research, 8, e000045

agilysis



OECD International Transport Forum

TRANSPORT RESEARCH CENTRE

TOWARDS ZERO
Ambitious Road Safety Targets and the Safe System Approach

70393

Implementing the Recommendations of the World Report on Road Traffic Injury Prevention

Country Guidelines for the Conduct of Road Safety Management Capacity Reviews and the Specification of Lead Agency Reforms, Investment Strategies and Safe System Projects

ageas FACTS

Developing safe system road safety indicators for the UK
Parliamentary Advisory Council for Transport Safety, in association with Ageas
October 2018

SAFE SYSTEM

Anderson Etika Research Clean, Pte. Ltd.

SUSTAINABLE & SAFE
A Vision and Guidance for Zero Road Deaths

WORLD RESOURCES INSTITUTE GRSF

World Health Organization

GLOBAL STATUS REPORT ON ROAD SAFETY 2018

GUIDE FOR ROAD SAFETY INTERVENTIONS:
EVIDENCE OF WHAT WORKS AND WHAT DOES NOT WORK

THE WORLD BANK GRSF

International Transport Forum

Zero Road Deaths and Serious Injuries
Leading a Paradigm Shift to a Safe System

Research Report

Reference number: 13090317

ROAD SAFETY MANAGEMENT CAPACITY REVIEW

Department for Transport

SYSTRA

SAVING LIVES BEYOND 2020: THE NEXT STEPS

Recommendations of the Academic Expert Group for the 3rd Global Ministerial Conference on Road Safety

Austrroads Research Report AUSTRROADS 4

Safe System Assessment Framework

Global Plan for the Decade of Action for Road Safety 2011-2020

DECADE OF ACTION FOR ROAD SAFETY 2011-2020

GLOBAL PLAN
DECADE OF ACTION FOR ROAD SAFETY 2021-2030

TIRL THE FUTURE OF TRANSPORT

How many road deaths is too many?
The challenge of meeting road safety targets

Catherine Wakibani, Dr. Shaun Hetman, Boris But 2021

Save LIVES

A road safety technical package

World Health Organization

World Health Organization

POST-CRASH RESPONSE
Supporting those affected by road traffic crashes

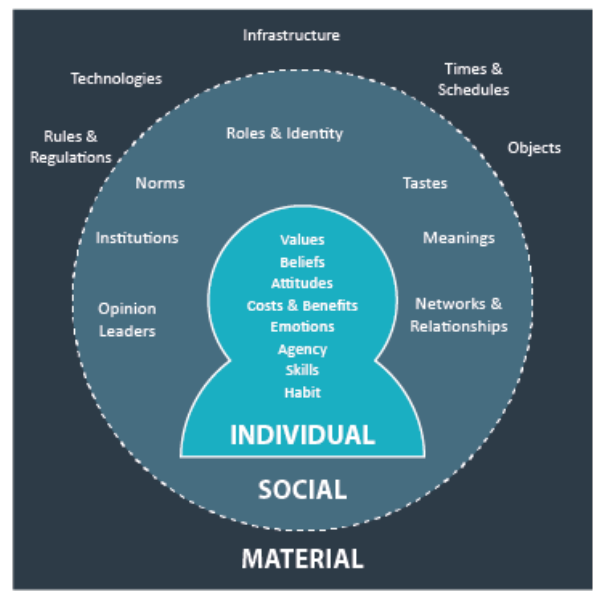
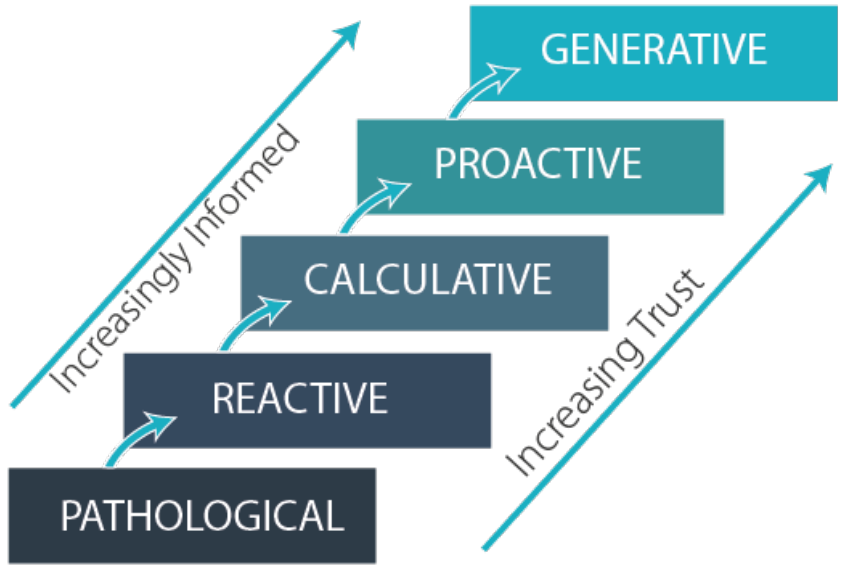
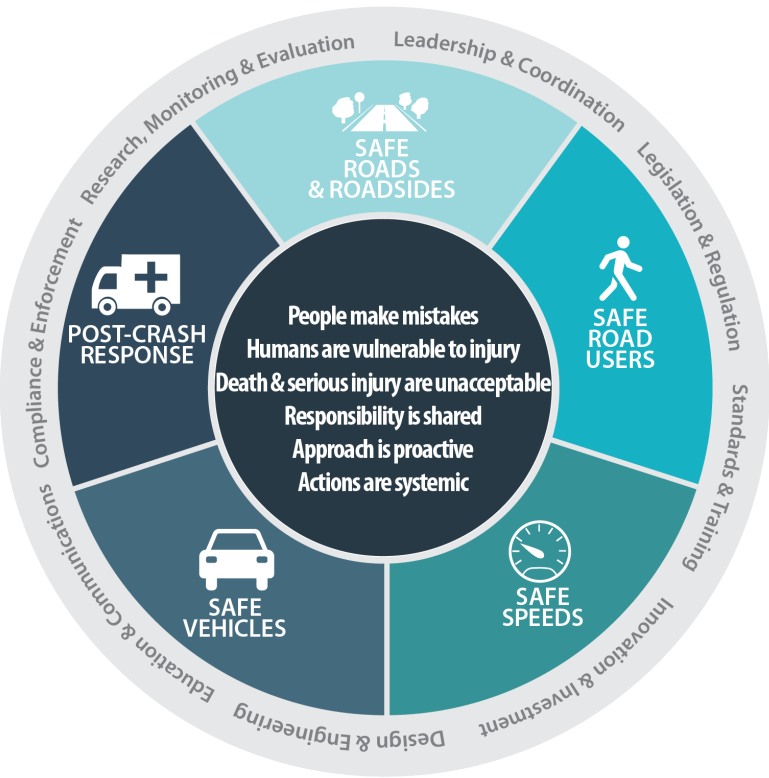
SUSTAINABLE SAFETY 3RD EDITION

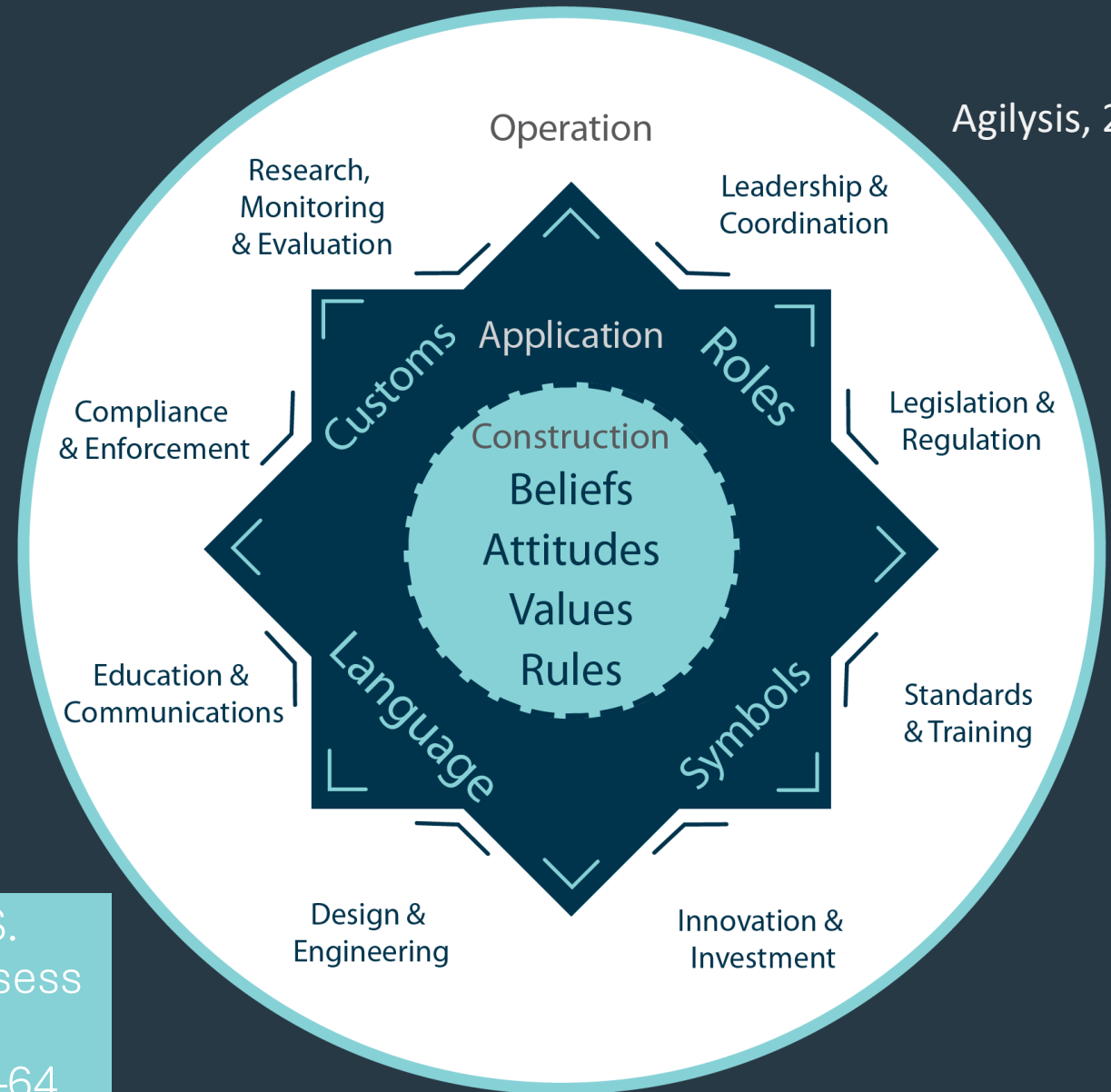
Sustainable Safety 3rd edition – The advanced vision for 2018-2030

Principles for design and organization of a casualty-free road traffic system



Creating the Model





Fosdick, T., Campsall, D., Kamran, M., & Scott, S. (2024). Creating a Cultural Maturity Model to Assess Safe System Readiness Within Road Safety Organisations. *Journal of Road Safety*, 35(1), 52–64. <https://doi.org/10.33492/JRS-D-24-1-2125507>

QUESTIONS ARCHITECTURE & SCORING



- 22 Questions Measuring Current State of Maturity (Vulnerable to Advanced)
- Focus on 8 Mechanisms of Change
- Addressing 6 Safe System Components (Road Safety Management as distinct for measurement purposes)
- Checking 33 Discreet Safe System Actions

Component	Category	Question	Vulnerable	Emerging	Developing	Maturing	Advanced
Road Safety Management	Leadership & co-ordination	How does the Safe System impact on the actions of the organisation?	It is a concept adopted at Government level. The Safe System does not really affect how we work.	We're starting to think about how we apply Safe System. It is early days and not all colleagues understand it. There are only some Safe System pillars that we can influence.	Leaders and managers feel the Safe System is important to us. They talk about our commitment to Safe Systems. However, it does not significantly change what we do day to day.	We are actively working towards adopting a Safe System approach. We are working hard within our organisation and with our partners to ensure responsibility for Safe System delivery is shared	Safe System thinking is embedded into everything we do. We champion the philosophy of the Safe System, working extensively with partners and stakeholders to promote implementation beyond our own network.

- Scoring system based on assigning values to statements
- Scores then correlate to the stages of Safe System cultural maturity



Growing Recognition



Framework	Focus	Vulnerable	Emerging	Developing	Maturing	Advanced
ITF	Policy & Practice		✓	✓	✓	
Agilysis	Organisational Culture	✓	✓	✓	✓	✓
ADB	Management	✓	✓	✓	✓	✓

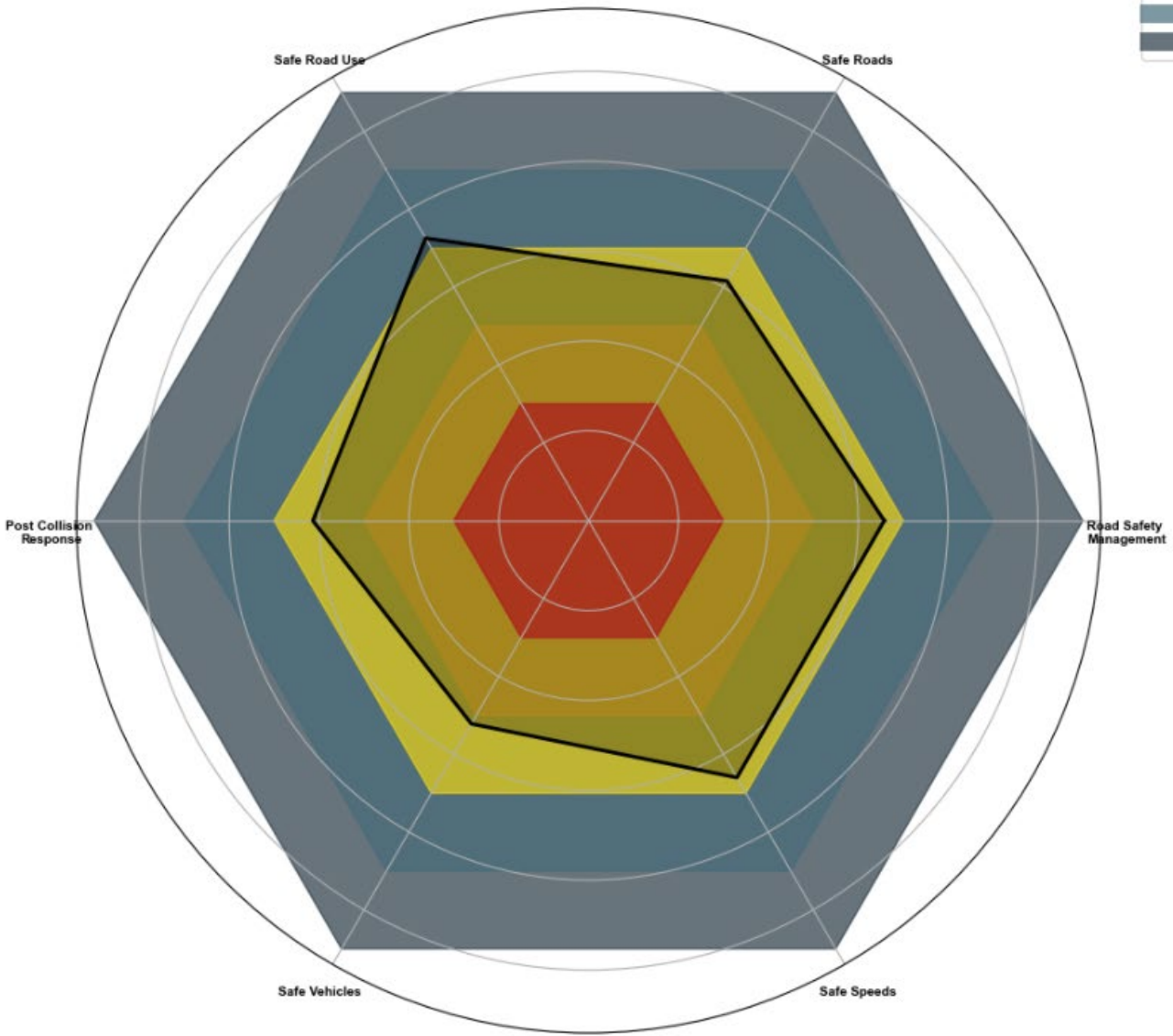


Safe System Capacity Survey- Culture 2024

- Designed to show a potentially indicative level of cultural maturity for the Safe System
- Respondents answered from across 34 different stakeholder organisations in the UK

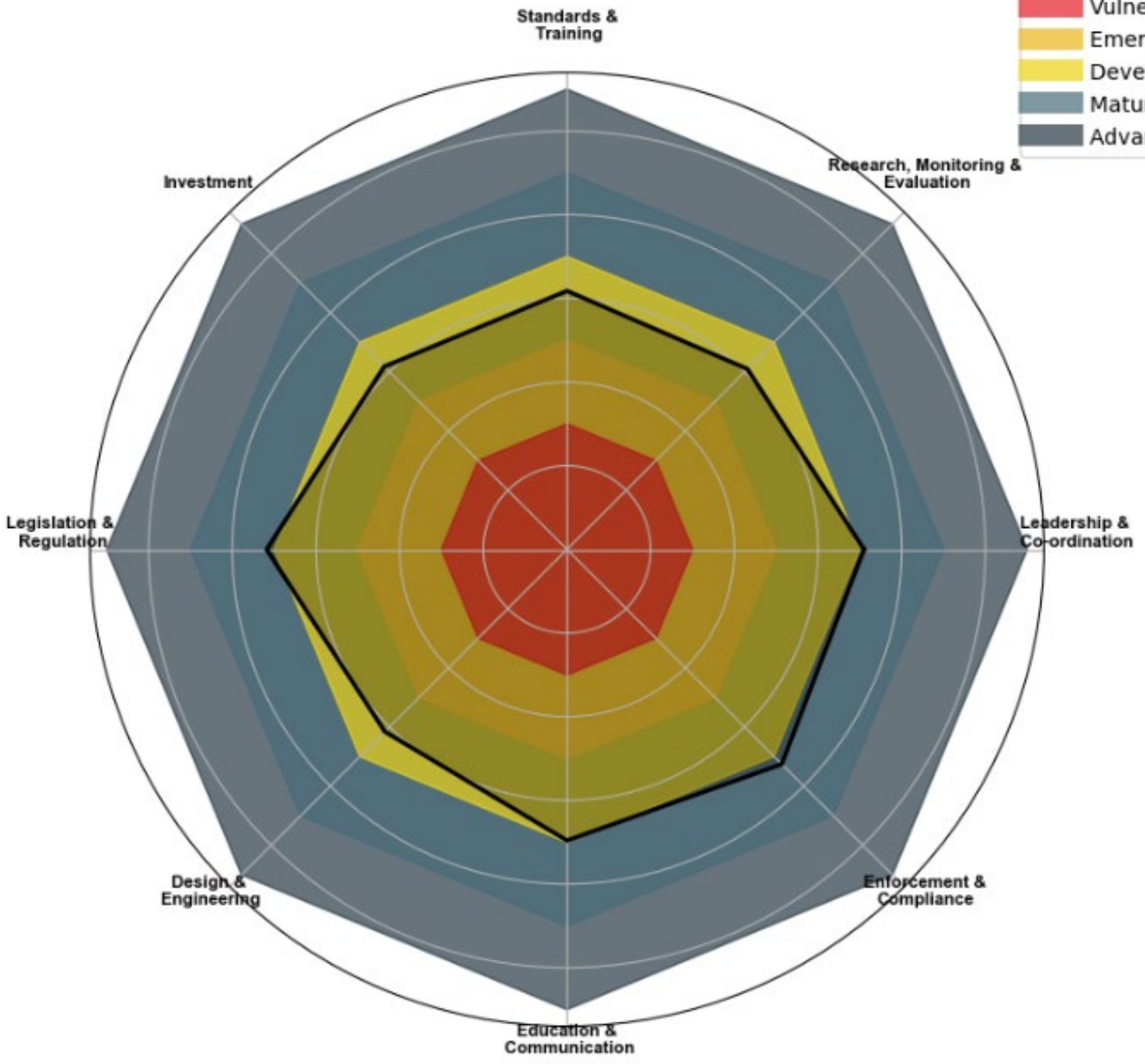
What type of organisation do you work for in the UK?		
Answer Choice		Response Percent
1	Local highways authority	54%
2	Other organisation	12%
3	Road Safety Partnership	10%
4	Charity / non-governmental organisation	7%
5	Police Force	7%
6	Transport authority (such as National Highways, Transport for London, Transport Scotland etc.)	5%
7	Fire and Rescue Service	5%

Safe System Component



Component	Score
Road Safety Management	3.29 - Developing
Safe Roads	3.08 - Developing
Safe Road Use	3.63 - Maturing
Post Collision Response	3.07 - Developing
Safe Vehicles	2.61 - Developing
Safe Speeds	3.30 - Developing

Change Mechanism



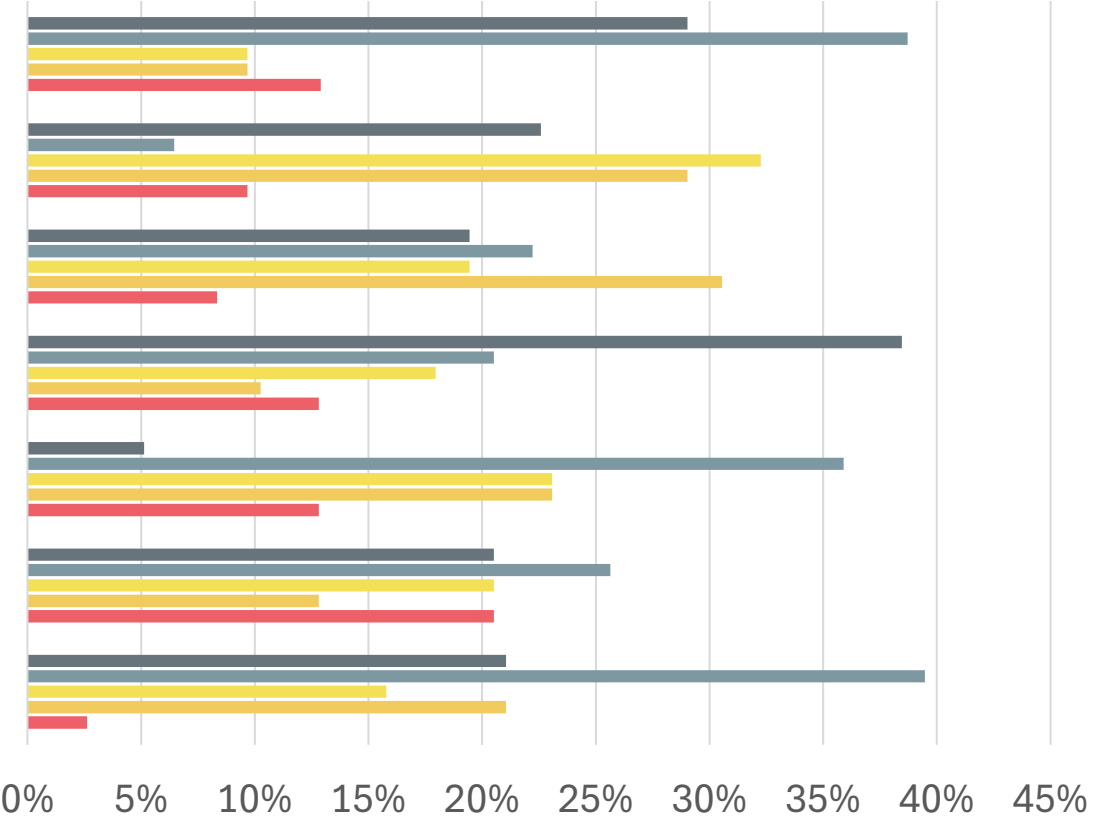
Mechanism	Score
Leadership & Co-ordination	3.55 - Maturing
Research, Monitoring and Evaluation	3.05 - Developing
Standards & Training	3.09 - Developing
Investment	3.09 - Developing
Legislation & Regulation	3.59 - Maturing
Design & Engineering	3.08 - Developing
Education & Communication	3.48 - Developing
Enforcement & Compliance	3.63 - Maturing

Maturity measurement by thematic question



Road Safety Management			
Research, Monitoring and Evaluation	Standards and Training	Investment	Legislation & Regulation

- Q.How do we influence the creation and adoption of safety legislation and regulation?
- Q.How do we calculate the benefits of our investments in safety schemes?
- Q.How do we determine which road safety interventions are invested in?
- Q. How do we learn how to implement Safe System approaches?
- Q. How do we measure our safety performance?
- Q. How do we use research to inform our road safety activities?
- Q. How does Safe System impact on the actions of your organisation?

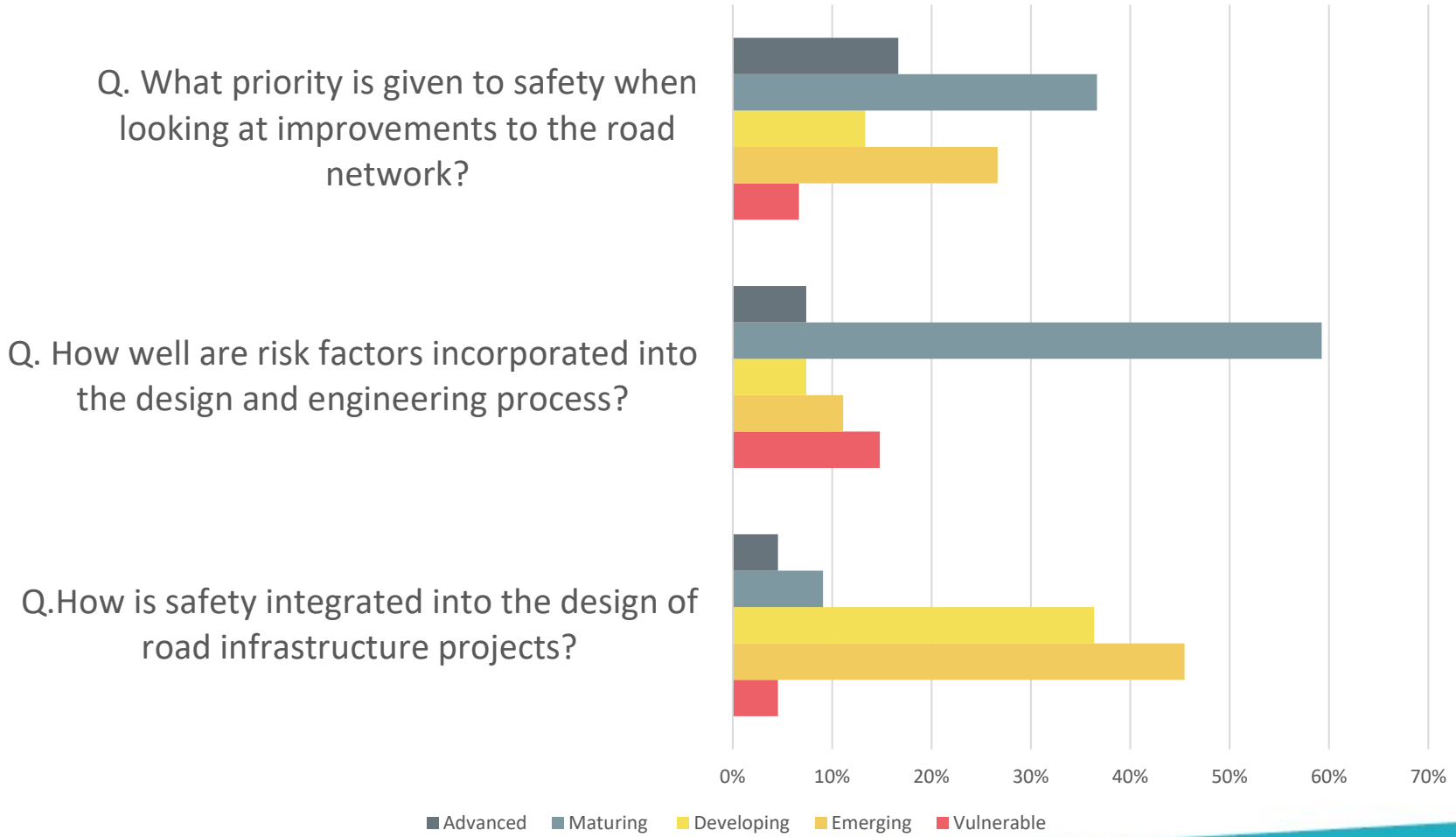


Advanced
 Maturing
 Developing
 Emerging
 Vulnerable

Maturity measurement by thematic question



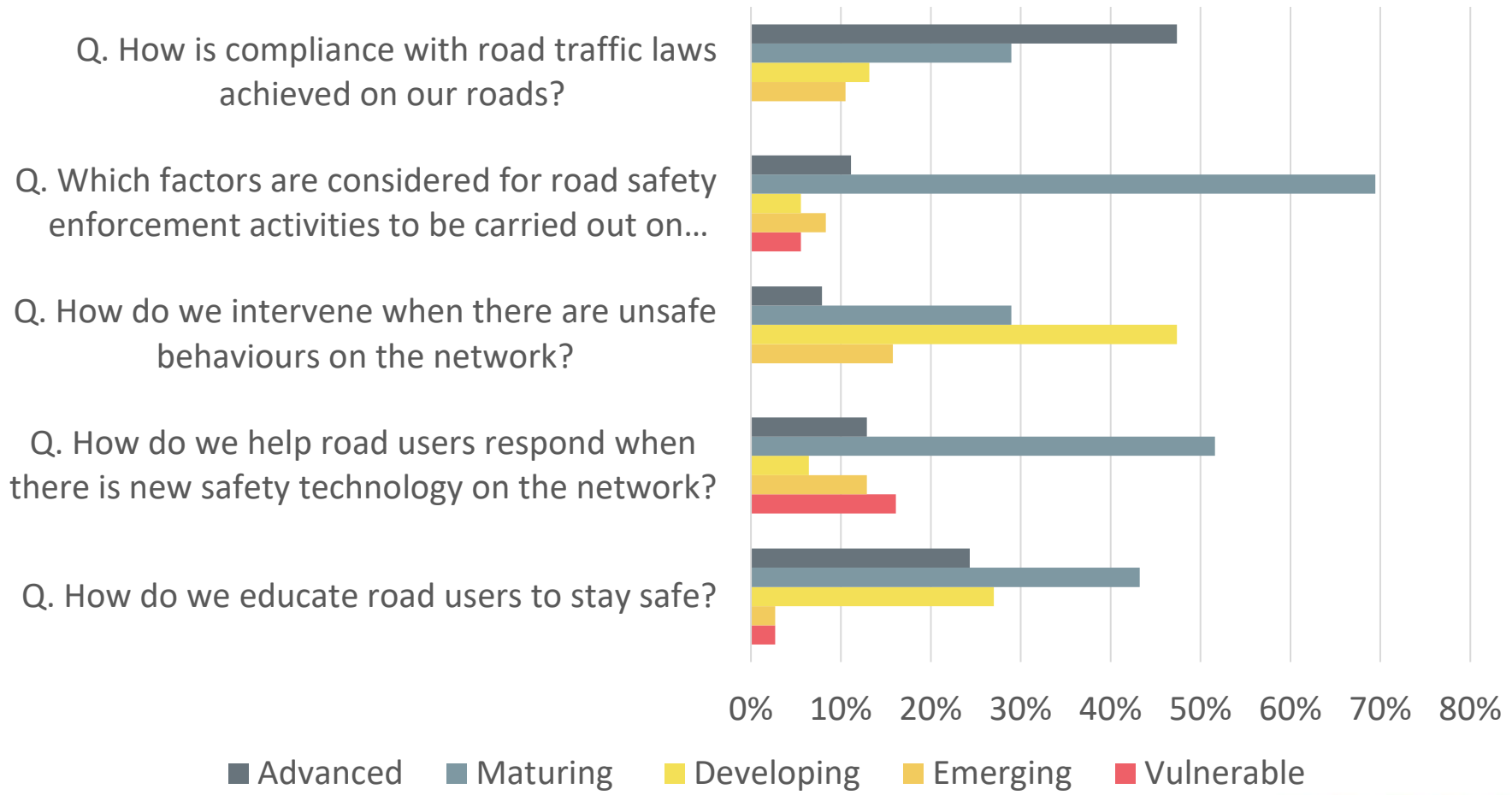
Safe Roads Design and engineering





Maturity measurement by thematic question

Safe Road Use	
Education and Communication	Enforcement & Compliance





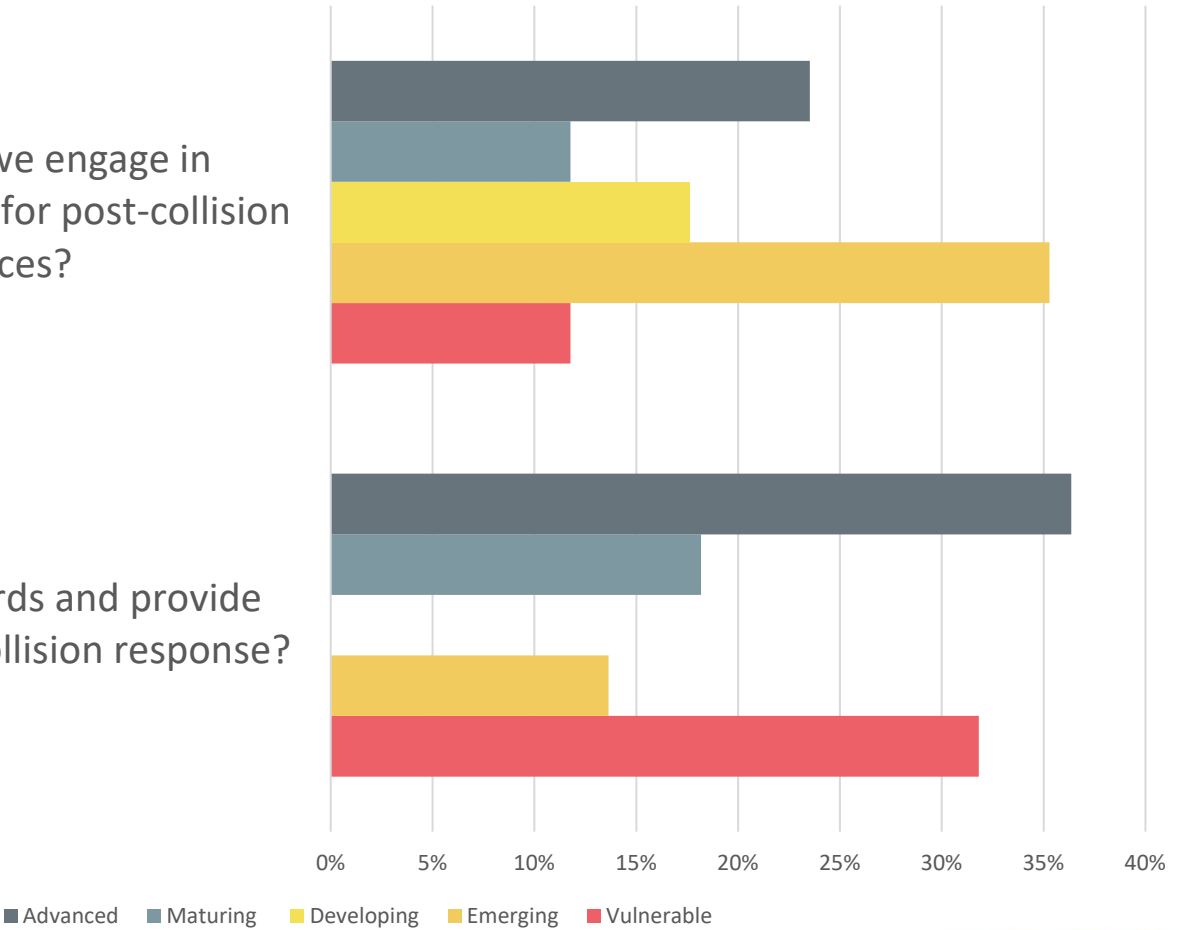
Maturity measurement by thematic question

Post Collision Response Standards and Training



Q.To what extent do we engage in developing robust systems for post-collision response services?

Q. How do we set standards and provide training to improve post-collision response?

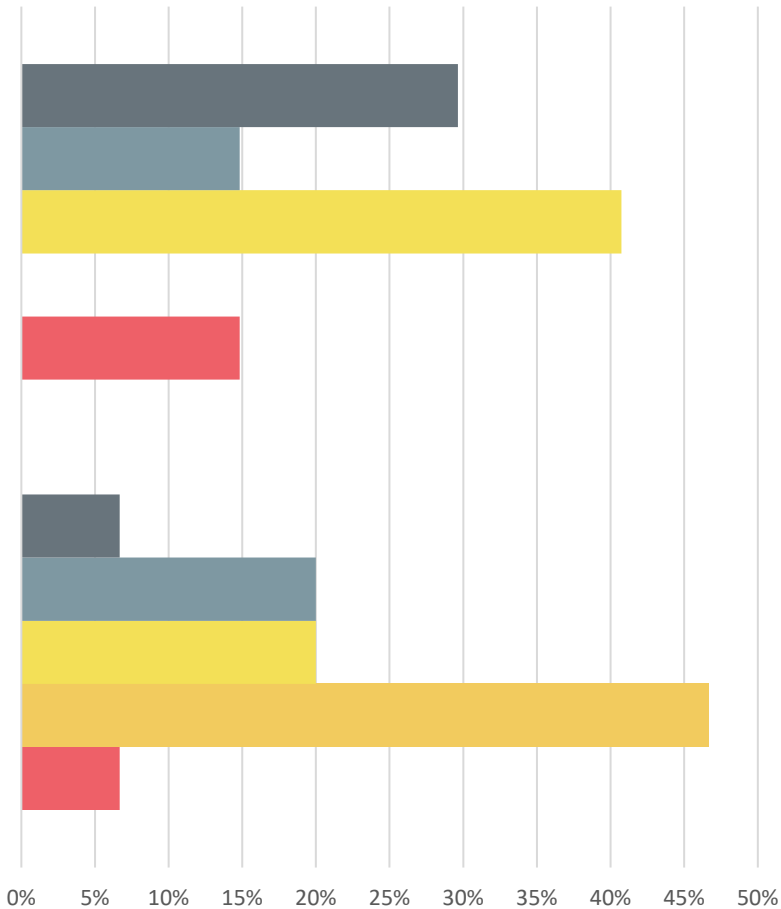


Maturity measurement by thematic question



Safe Vehicles Standards and Training

Q. How important are vehicle design safety standards for our organisation?



Q. How do we engage with the development of vehicle design features and in-vehicle safety technologies?



Maturity measurement by thematic question

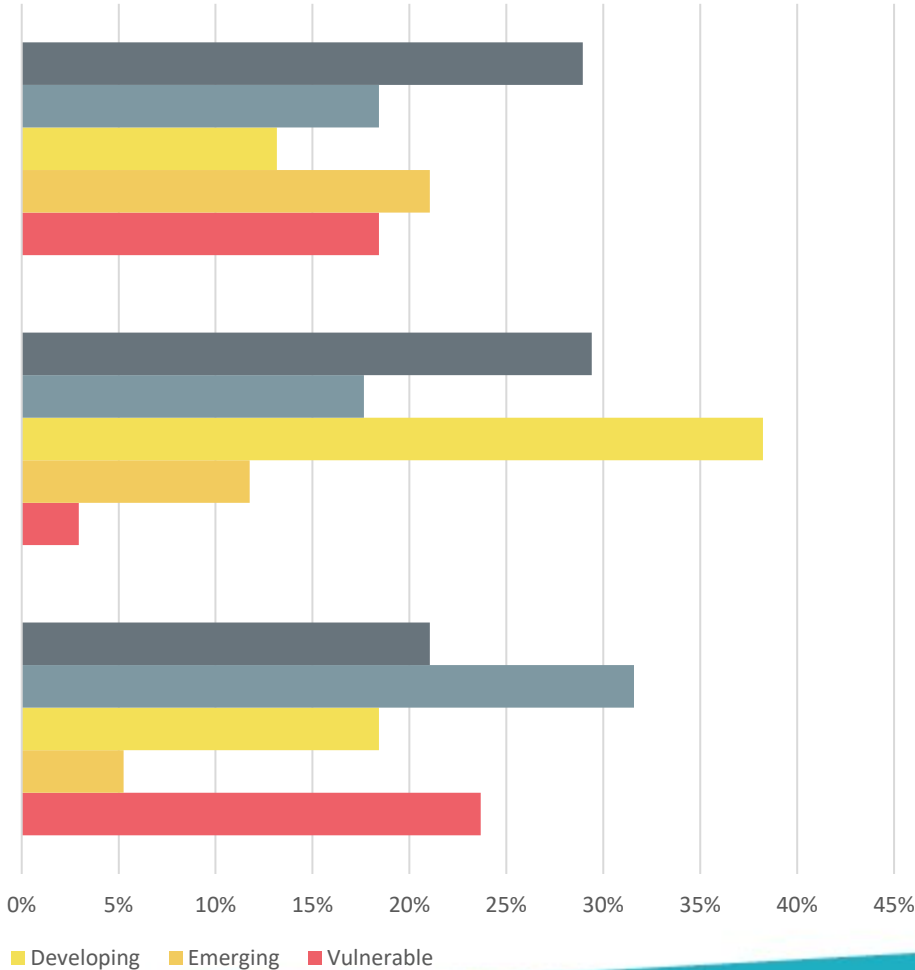


Safe Speeds	
Enforcement & Compliance	Standards and training

Q. How do we ensure that road users know what the safe speeds are to travel at on our roads?

Q. How do we see the relationship between the function of roads, speed limits, and collision risk?

Q. What do we do to encourage people to drive and ride at safe speeds?





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