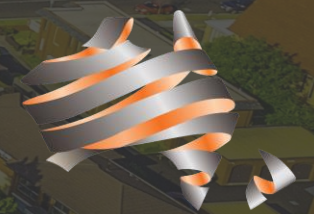




Guideline for Continual Improvement Processes for Asset Management

28 June 2018



Austroads

Today's moderator



Eliz Esteban

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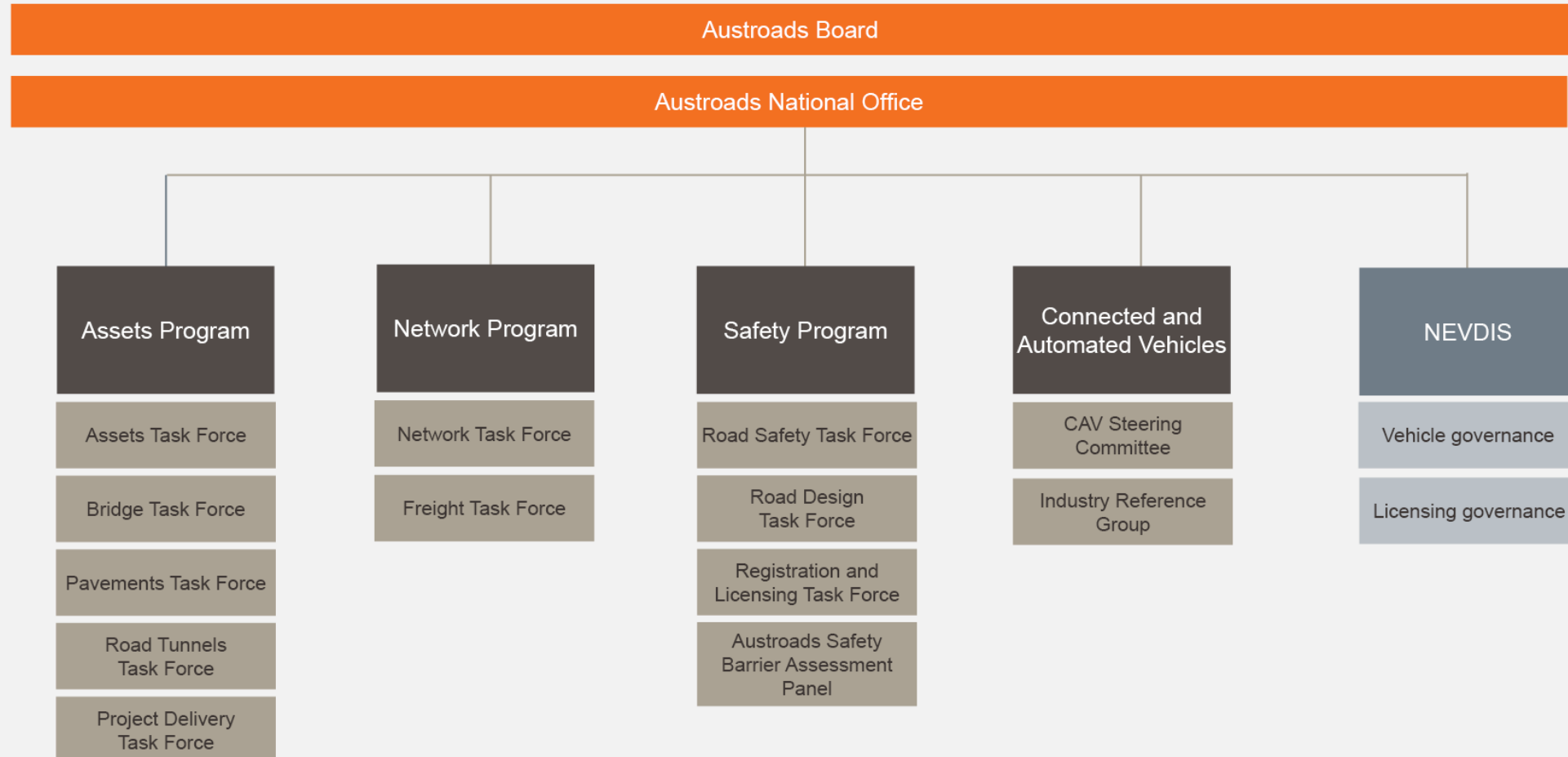
About Austroads



The peak organisation of Australasian road transport and traffic agencies

- Roads and Maritime Services New South Wales
- Roads Corporation Victoria
- Department of Transport and Main Roads Queensland
- Main Roads Western Australia
- Department of Planning, Transport and Infrastructure South Australia
- Department of State Growth Tasmania
- Department of Transport Northern Territory
- Transport Canberra and City Services Directorate, Australian Capital Territory
- Department of Infrastructure, Regional Development and Cities
- Australian Local Government Association
- New Zealand Transport Agency

Our structure



Housekeeping



Presentation = 35 mins

Question time = 15 mins



+



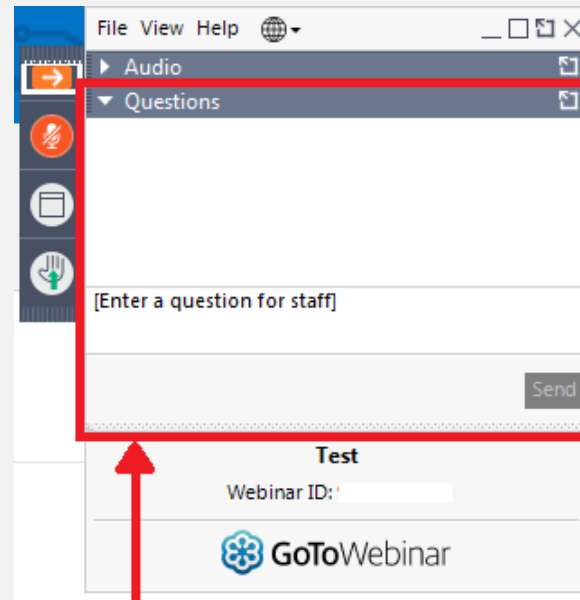
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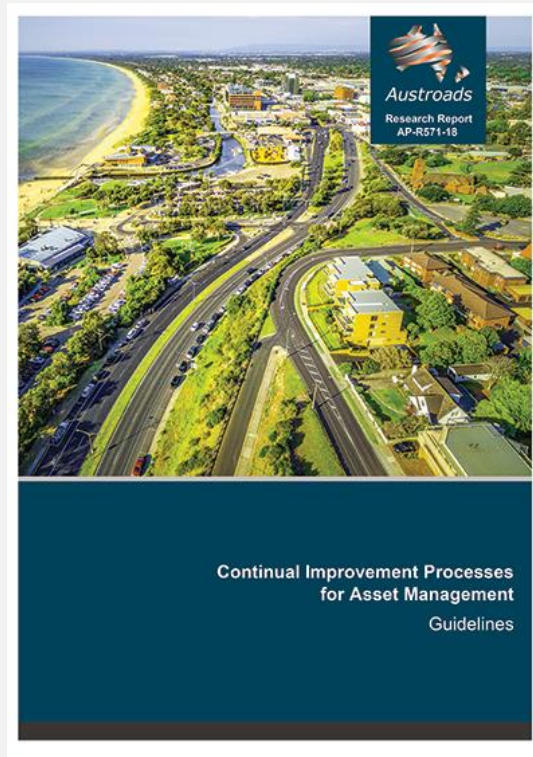
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Austroads reports



Guideline

<https://www.onlinepublications.austroads.com.au/items/AP-R571-18>

Background research report

<https://www.onlinepublications.austroads.com.au/items/AP-R572-18>

Today's presenters

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Agenda

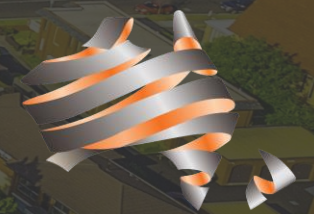


Topic	Presenter
Project Background and Introduction <ul style="list-style-type: none">• Asset management system (ISO5500x)• Research• Challenges• Opportunities	Stephen Walker
Continual Improvement Framework <ul style="list-style-type: none">• The environment• The framework	Aneurin Hughes
Conclusion	Aneurin Hughes
Q&A	Both Presenters



Project Background and Introduction

Stephen Walker



Austroads

Introduction to team

Project Team

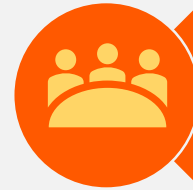


Project Manager
Stephen Walker

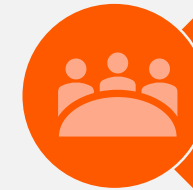


Lead Author
Aneurin Hughes

Review Team



Austroads Working
Group



Stakeholders-
Road and Traffic
Authorities



Austroads Assets
Task Force



Austroads Board

The Project Team



Austroads
Working Group



74% OF TRANSFORMATION PROGRAMS
FAIL TO DELIVER
ON THEIR PROMISE

Where improvement value is realised...



50%

small initiatives



45%

medium initiatives



5%

big risky items

There was no miracle moment...

TREMENDOUS POWER
exists in the fact of
CONTINUAL IMPROVEMENT
and the delivery of results

Challenges in developing guideline



CHALLENGES

> Austroads – peak organisation

> \$250 Billion



~500
road managers

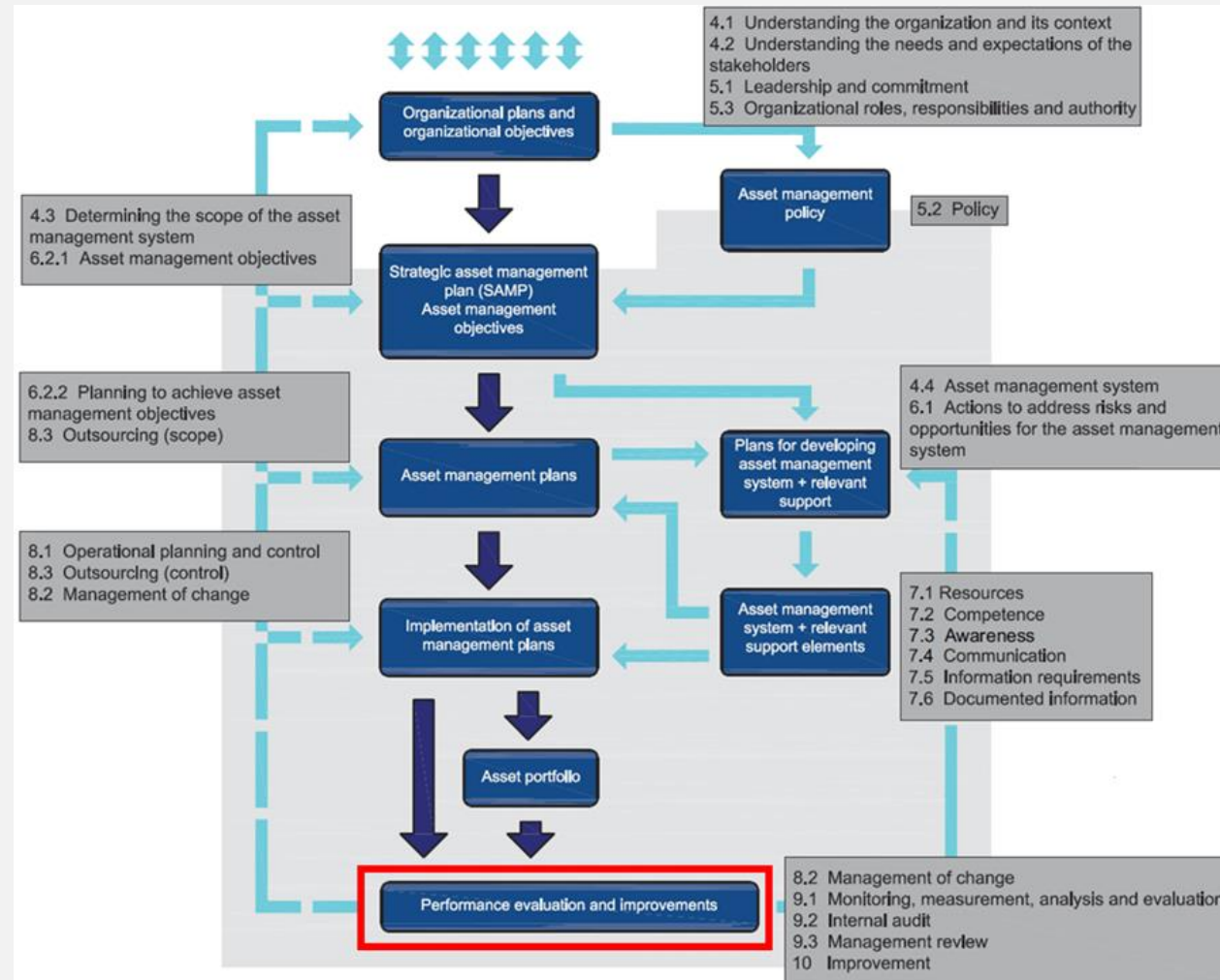


900,000
kilometres of road

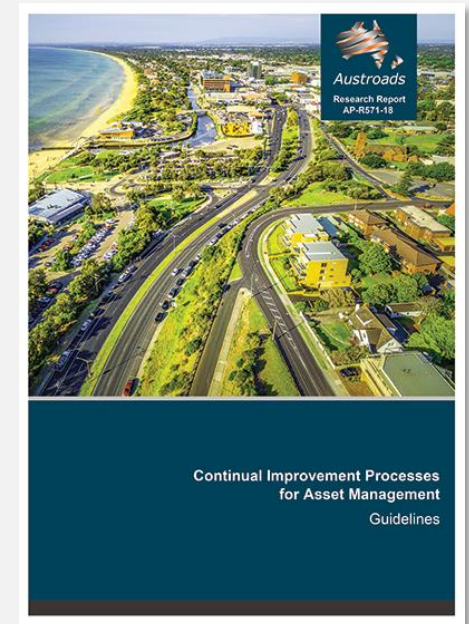
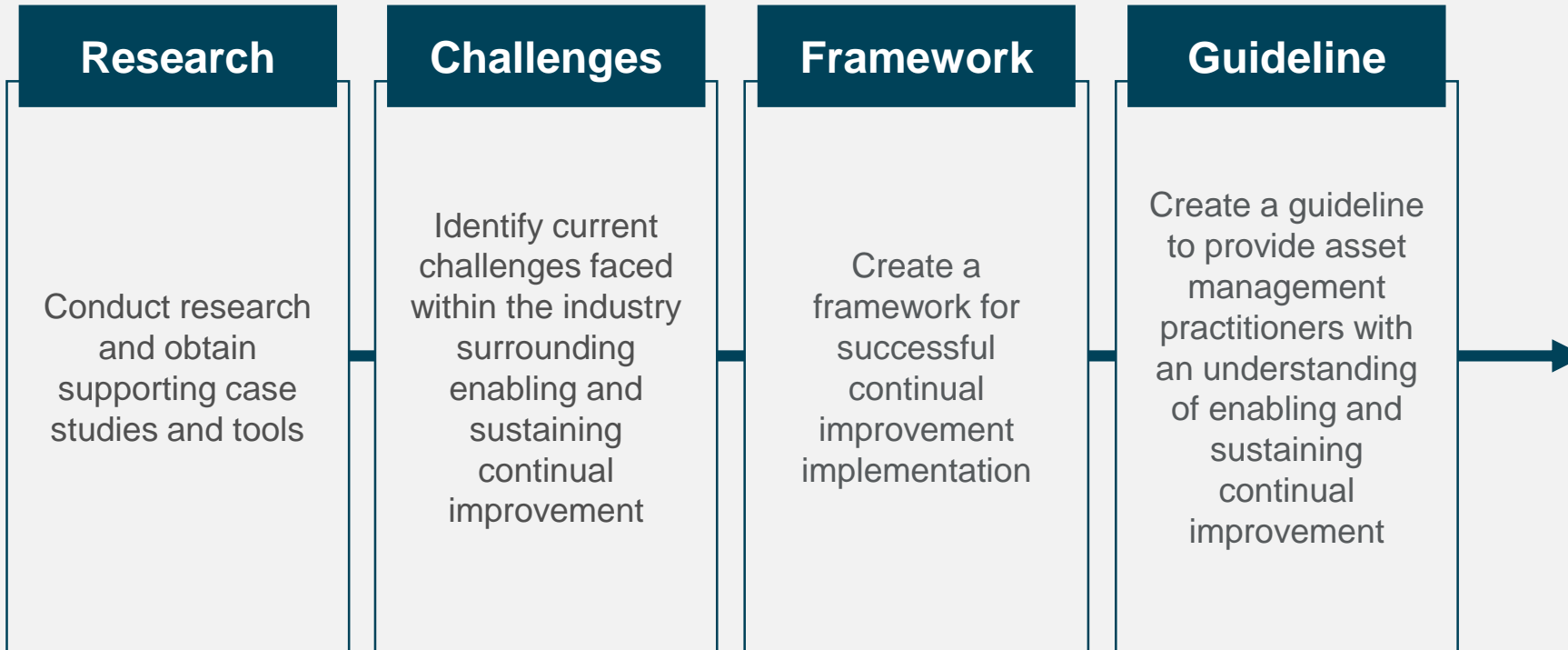
> Organisation size & capacity



Asset management system (ISO5500x)



Process



Research

APPROACHES AND TOOLS

The investigated continual improvement approaches and tools spanned “reactive” and “proactive” elements



IMPROVEMENT CYCLES

Improvement cycles are found to be a key component of the reactive element of an integrated system



CURRENT STATE

Implementation of continual improvement approaches is inconsistent but developing across the Australian road industry



STAKEHOLDER DEMAND

Demand from the Australian road industry for more user friendly and integrated tools



DISRUPTIVE TECHNOLOGY

Disruptive technology is likely to have a significant and positive impact on asset management continual improvement

Challenges facing road sector

1.

ENVIRONMENT

Need for an environment conducive to continual improvement - supportive, engaged and proactive leadership

3.

SUPPORT

Need for support when pursuing, implementing and sustaining continual improvement initiatives

5.

SHARING

Low visibility and communication of tools, knowledge and initiatives between councils

2.

RESOURCES

Lack of available resources - associated with need for continual improvement leadership within asset management

4.

COMPLACENCY

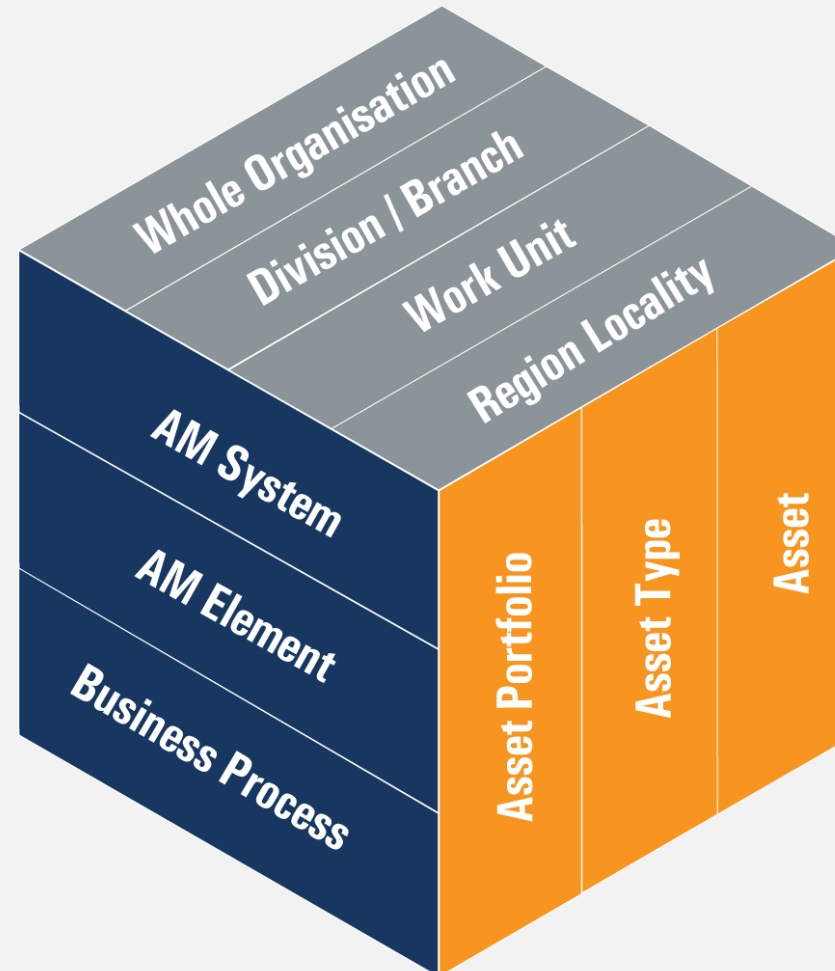
Improvements have been made but sustainment is absent - attributed to lack of leadership and conducive environment

6.

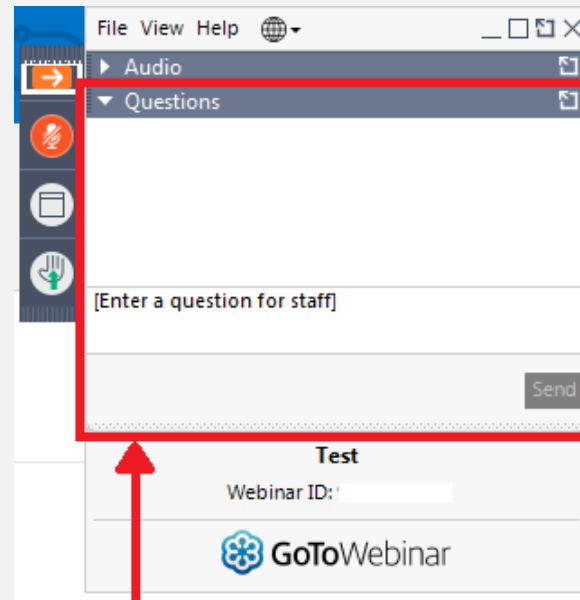
STRUCTURE

Need for benchmarking and standardising across councils - aids in improvement identification

Opportunities



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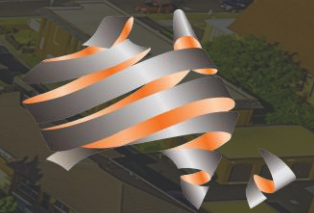
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Continual Improvement Framework

Aneurin Hughes

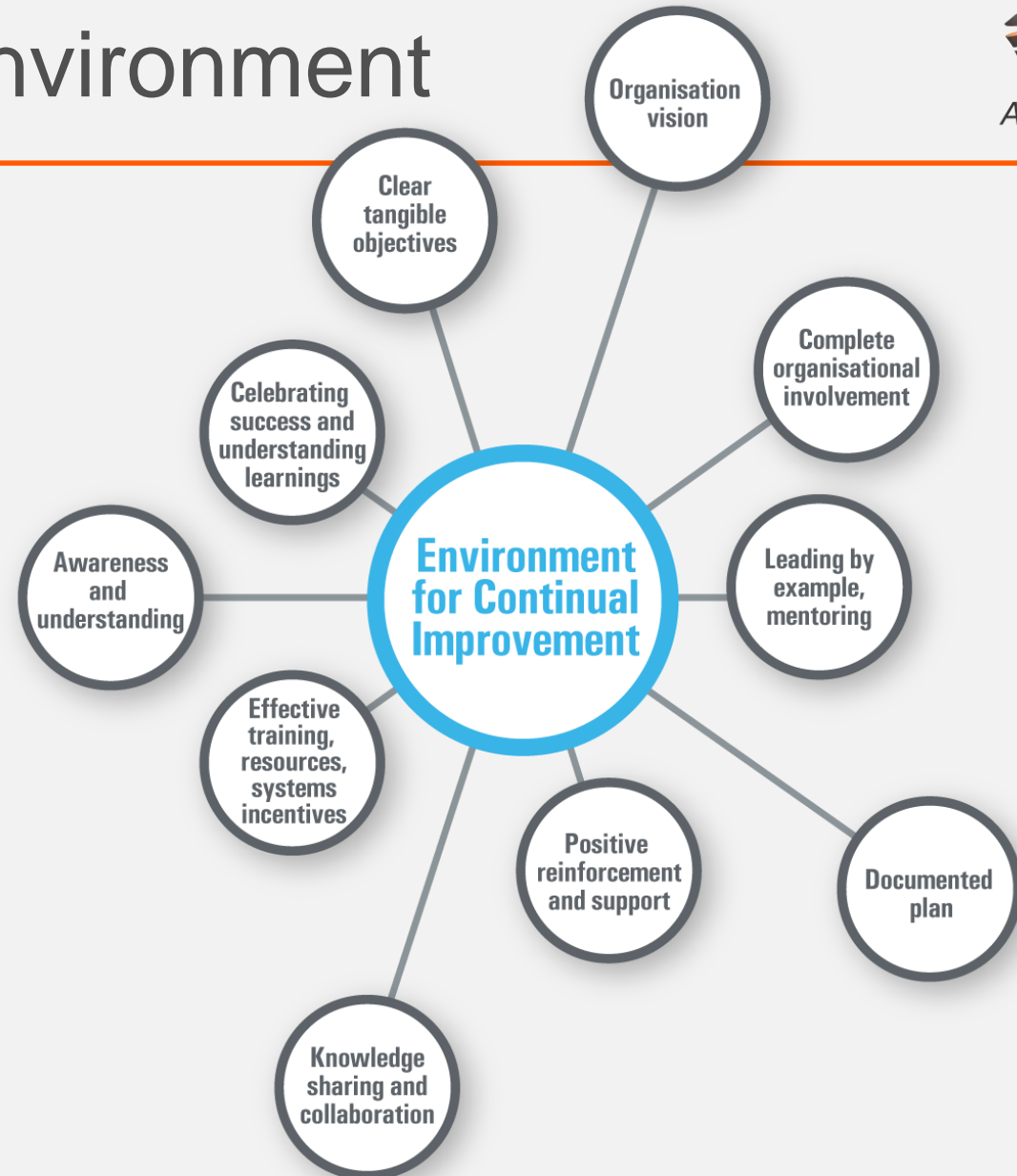


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Environment for Continual Improvement



Continual improvement environment





Identify improvement opportunities

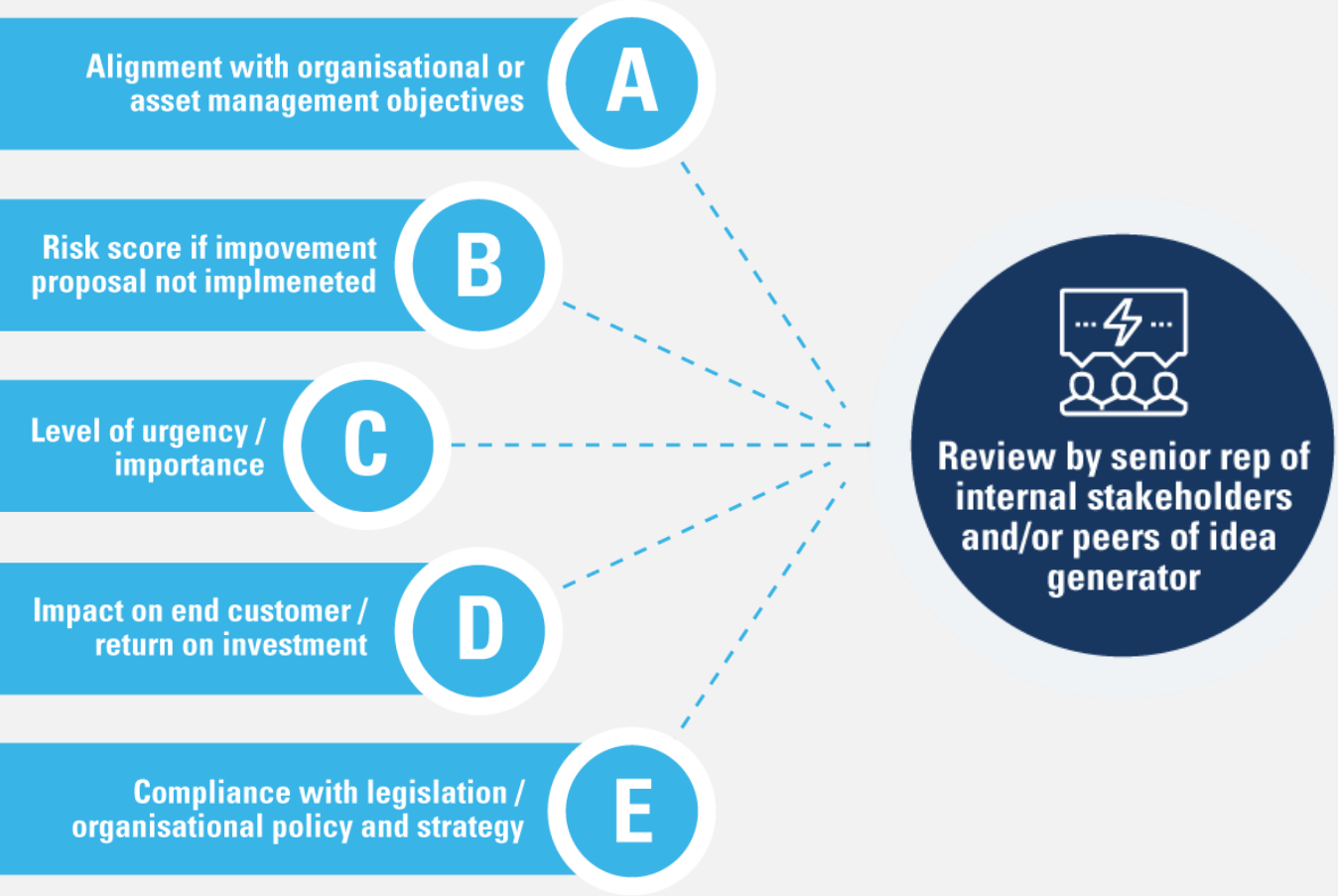




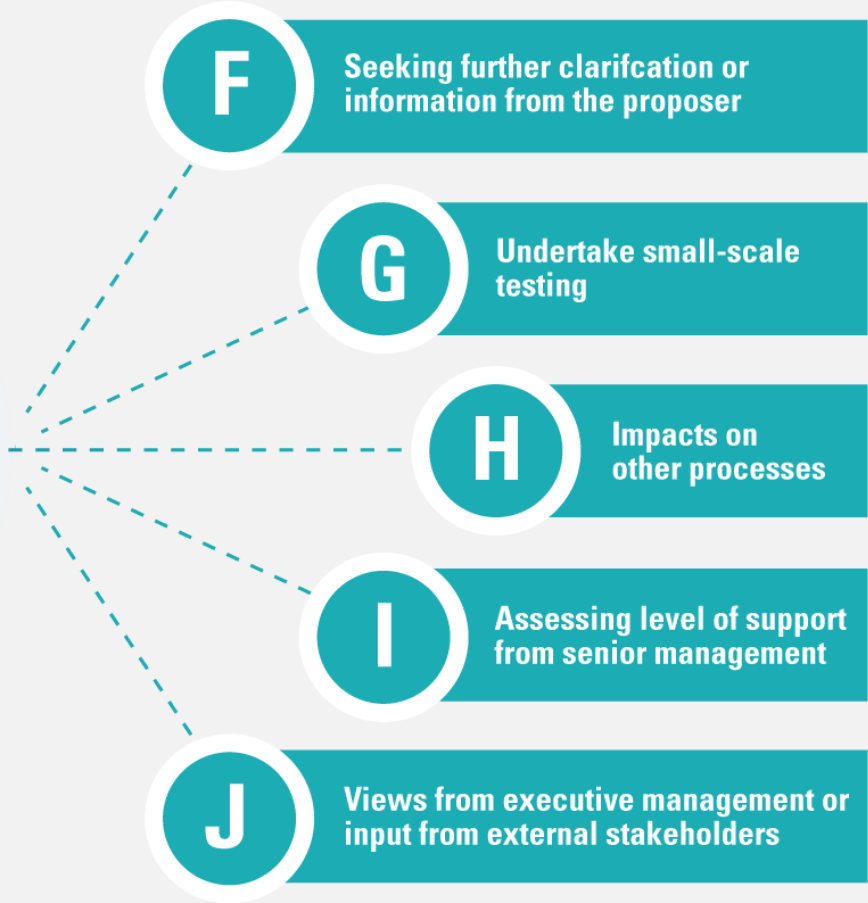
Evaluate and Prioritise



Prioritisation Criteria



Further Evaluation





Implement



**Implementation
Plan**

**Communication
Plan**

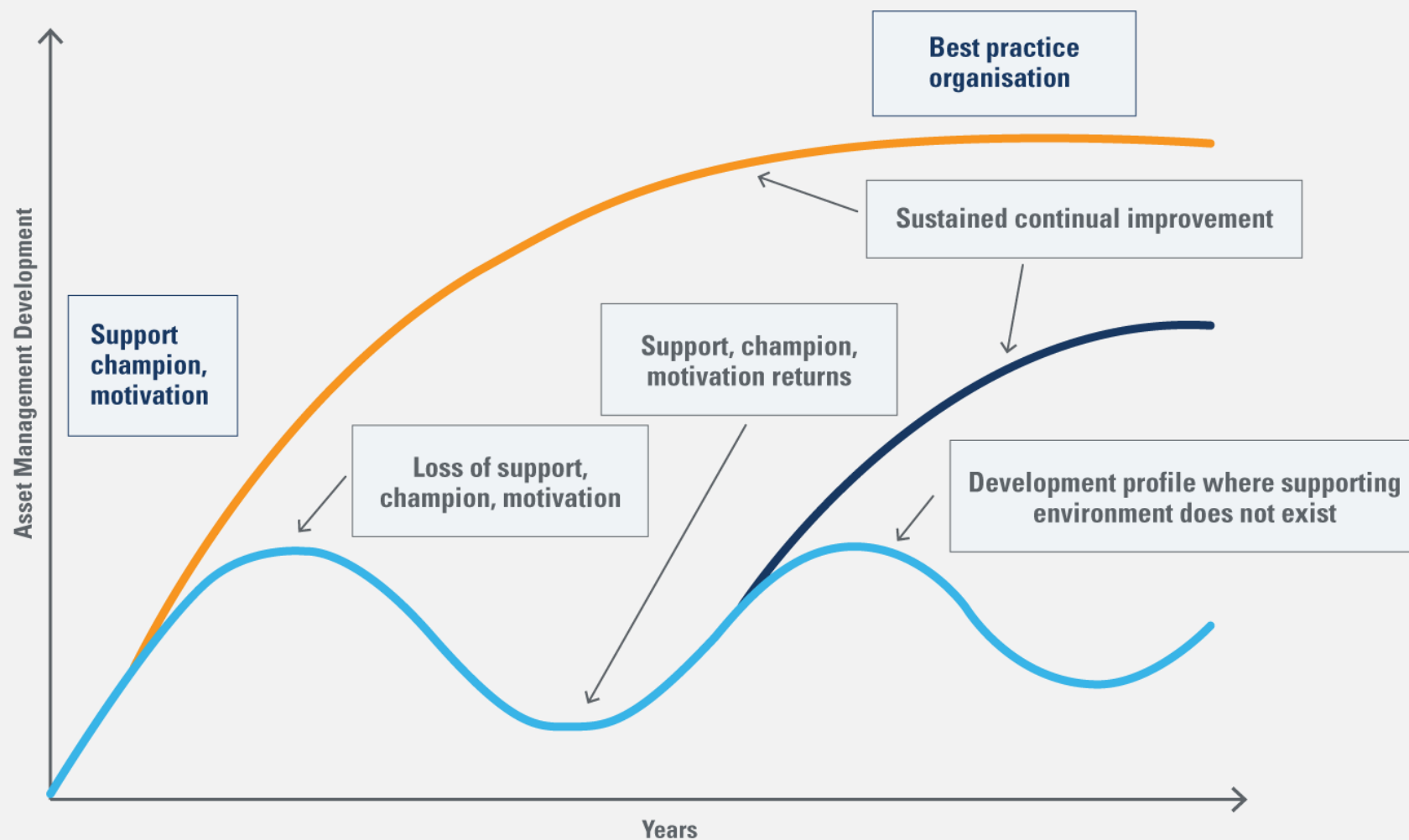
**Commitment &
Collaborative**

Involvement





Continual Improvement Sustainability



Document process

Commitment



What/Why



Interviews



Generate



**Continual
Improvement
Plan - Content**



Evaluate/Prioritise



Implement/Monitor



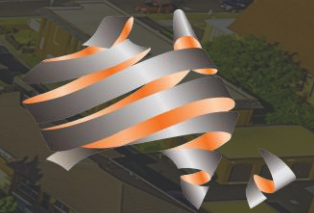
Accountable



Responsible



Conclusion
Aneurin Hughes

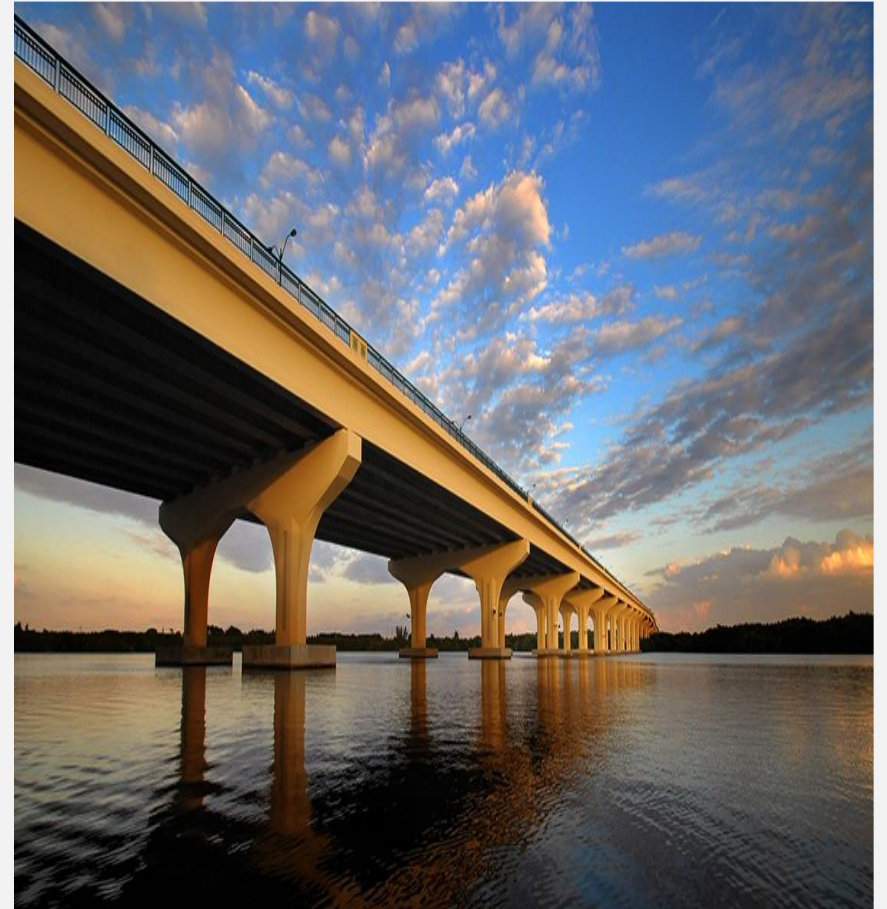


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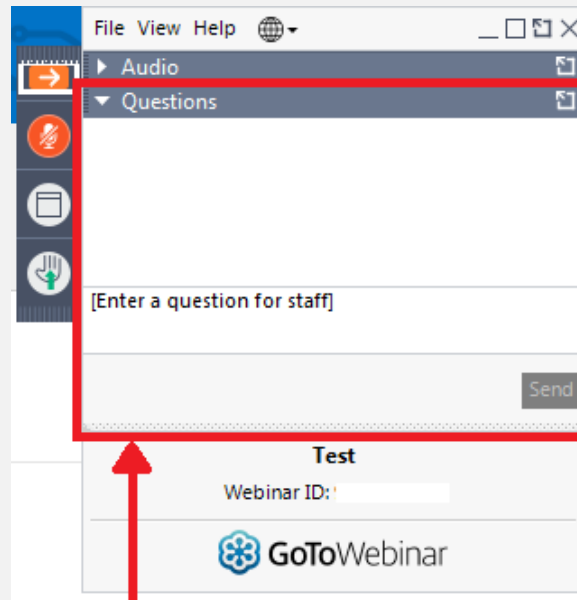


Conclusion

- Opportunities
- Environment and organisational culture
- All organisations have potential to improve asset management
- Whole organisation
- Everyone can contribute
- Use existing frameworks
- Resources/budgets not a constraint



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Questions?

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Upcoming Austroads webinars



Topic	Date
Connected and Automated Vehicles Trials	3 July
Network Performance Indicators	12 July
Appropriate Use of Marginal and Non-standard Materials in Road Construction and Maintenance	17 July

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