

# Road Asset Management (RAM)

May 2023

## Maturity Assessment and Improvement Plan

Dr Ian Greenwood

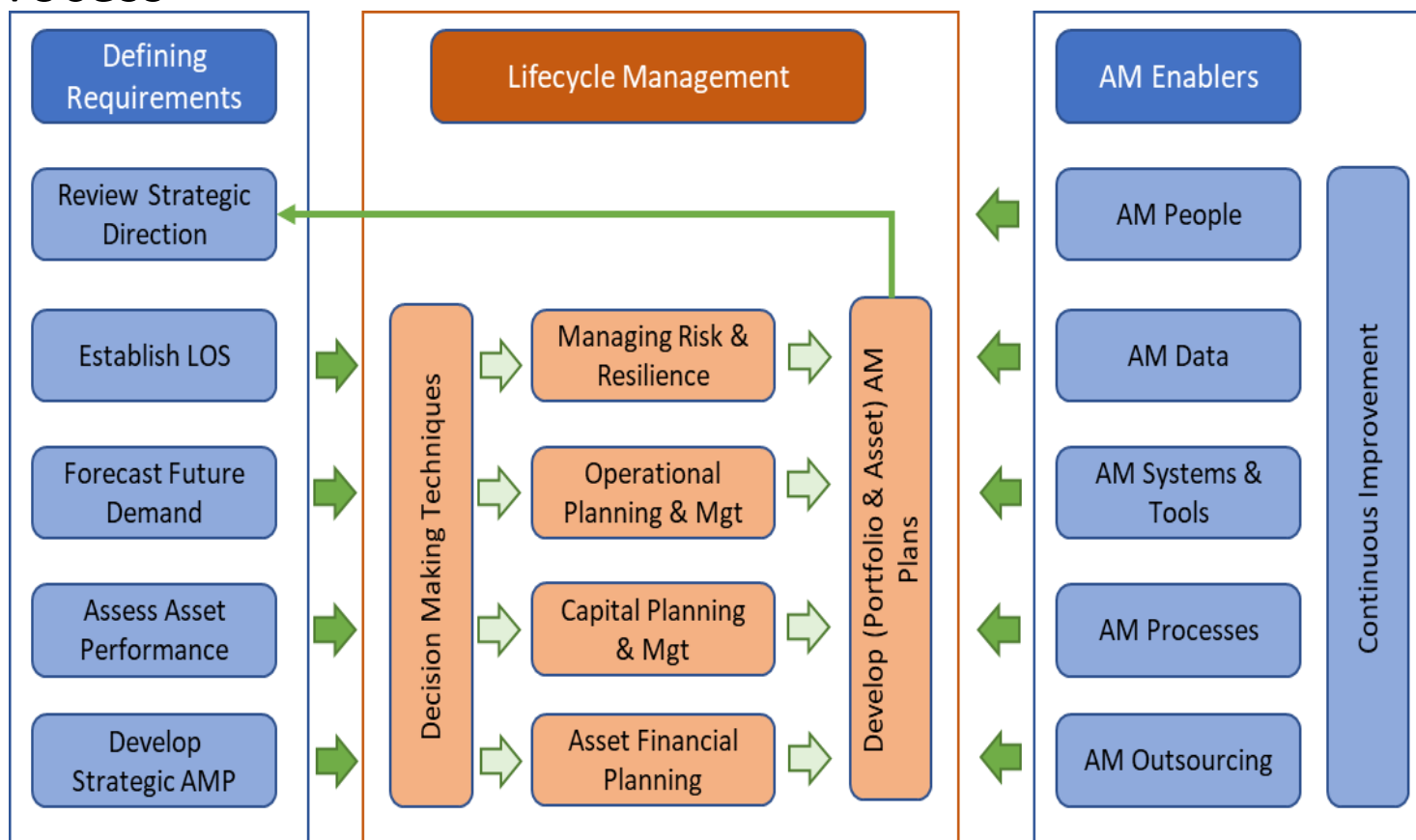
BE(Civil), PhD(Eng), FEngNZ(Civil), CPEng(NZ)

ian@gaic.nz

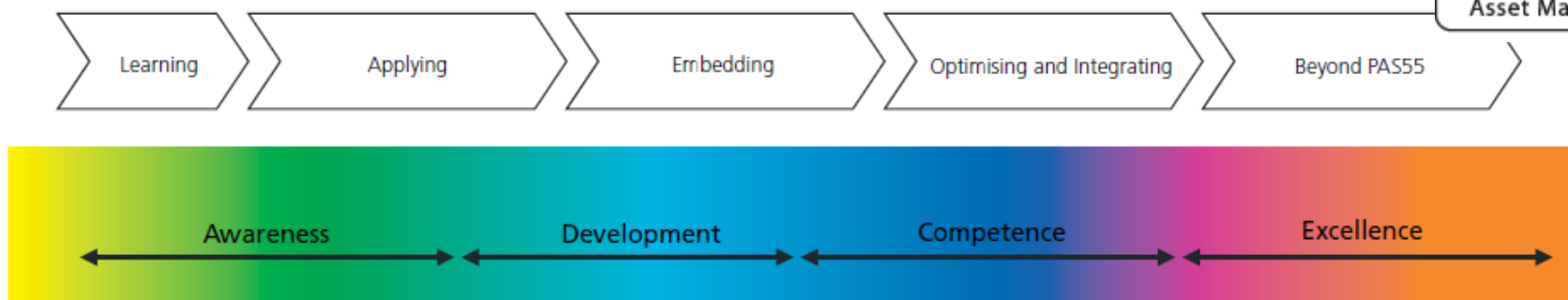
# Maturity Assessment

# Maturity Assessment

- Formal consideration of current practice against each step of the process



# IAM Maturity Rating Levels



**Maturity Level 0**

The elements required by PAS55 are not in place. The organisation is in the process of developing an understanding of PAS55.

**Maturity Level 1**

The organisation has a basic understanding of the requirements of PAS55. It is in the process of deciding how the elements of PAS55 will be applied and has started to apply them.

**Maturity Level 2**

The organisation has a good understanding of PAS55. It has decided how the elements of PAS55 will be applied and work is progressing on implementation.

**Maturity Level 3**

All elements of PAS55 are in place and are being applied and are integrated. Only minor inconsistencies may exist.

**Maturity Level 4**

Using processes and approaches that go beyond the requirements of PAS55. Pushing the boundaries of Asset Management development to develop new concepts and ideas.

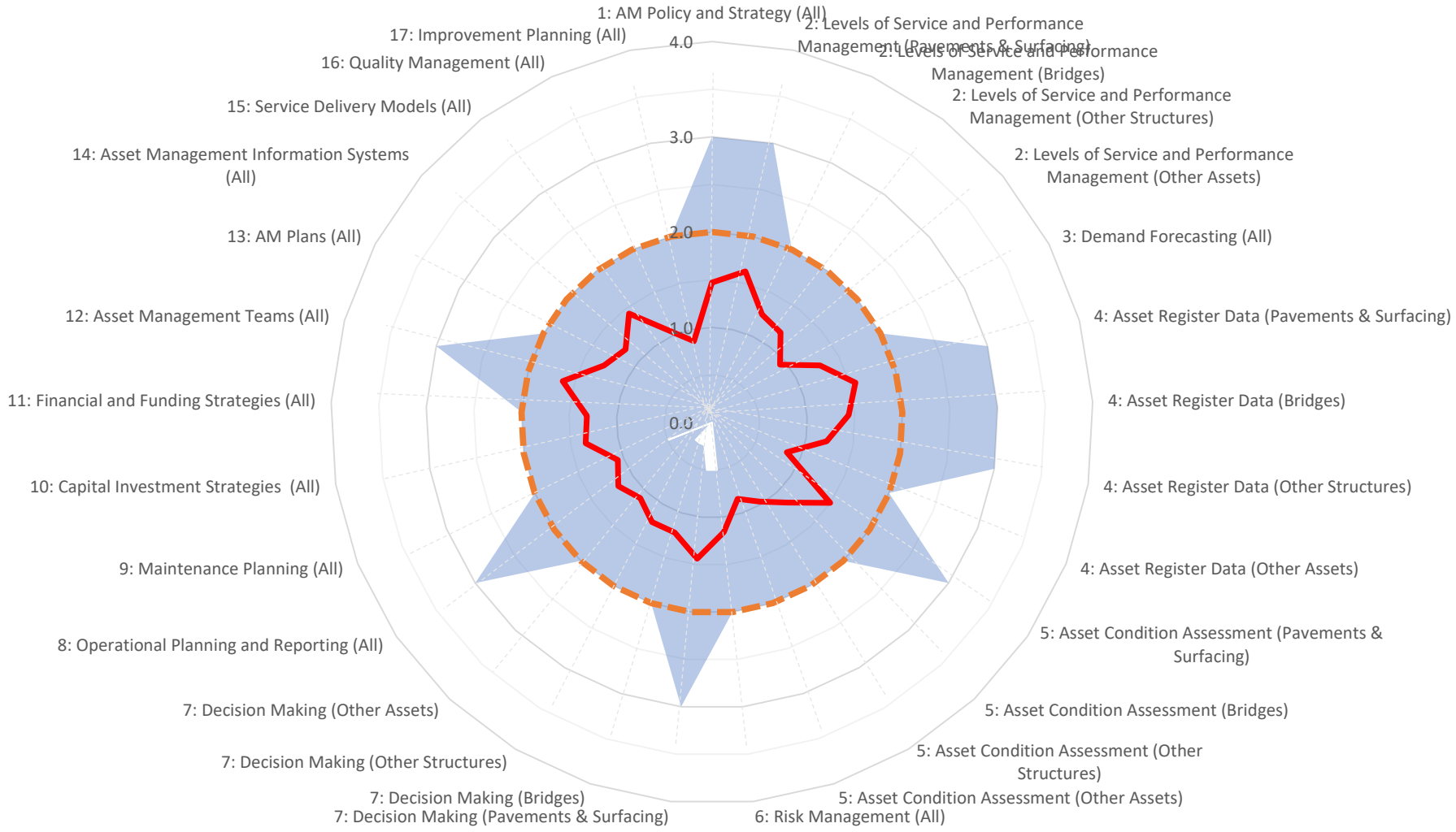
Figure 1 Maturity Scale

- CAREC and ADB RAM Maturity Template

	Maturity Level Definitions				
	Aware	Basic	Proficient	Advanced	Advanced+
	0	1	2	3	4
<b>Asset Register (Inventory) Data</b>	No reliable data set is readily available or updated	Basic information is recorded in electronic format (spreadsheet or database), but may not be complete or subject to regular updating.	Sufficient data is held for all planning and general management needs and is subject to an appropriate updating process to retain the data integrity	Database holds all necessary data, including historic data. A high level of confidence exists with all data.	As per Advanced, with full linkage to financial management system for expenditure on assets, asset valuation and the like

# All of CAREC

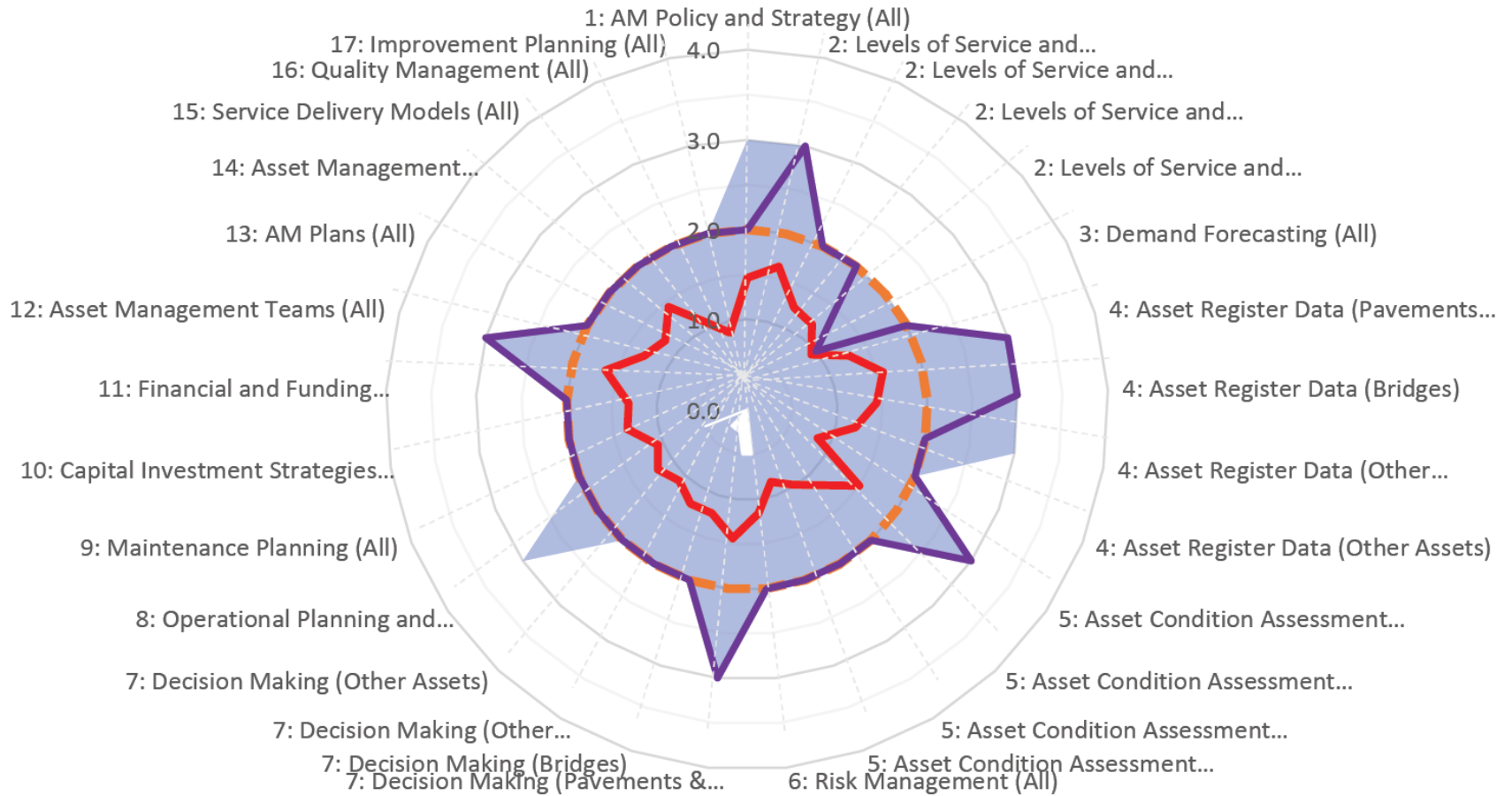
■ Range ■ Avg Current Score ■ Average Target





# Georgia

■ CAREC Range ■ CAREC Avg ■ CAREC Target ■ Georgia





# Reassessment



# Improvement Plan

- Aim to achieve minimum of Grade 2 – Proficient by 2030
- For each component, assess what actions are needed
- Prioritise those actions into:
  - Short term (next 3 years)
  - Medium term (3-5 years)
  - Long term (5-8 years)



# Questions

Dr Ian Greenwood

Greenwood Associates Infrastructure Consultants

ian@gaic.nz