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Collaboration, Innovation and Resilience: Championing a Digital Generation

Brisbane, Australia 6–10 April



Alison Watson MBE
President

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Sustainability and the Civil Engineering Surveyor



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Sustainability and the Civil Engineering Surveyor

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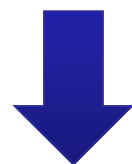


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Introduction

‘Development that meets the needs of the present without compromising the ability of future generations to meet their own needs’ (Brundtland and Khalid 1987).



How can this be interpreted in different contexts?



Theory – The Gap

- Despite studies addressing one or more dimensions of the triple bottom line, how Civil Engineering Surveyors, both commercial and geospatial, can practice sustainability in their current roles is not well established.
- Furthermore, the latest global survey on sustainability by Royal Institution of Chartered Surveyors highlighted that there is **less progress** across the construction industry particularly **in measuring carbon emissions and assessing the impact of projects on biodiversity** which are two key areas directly influenced by the Civil Engineering Surveyor (Zehra, 2024).
- This calls for research addressing this gap in the context of the Civil Engineering Surveyor.



Research Questions

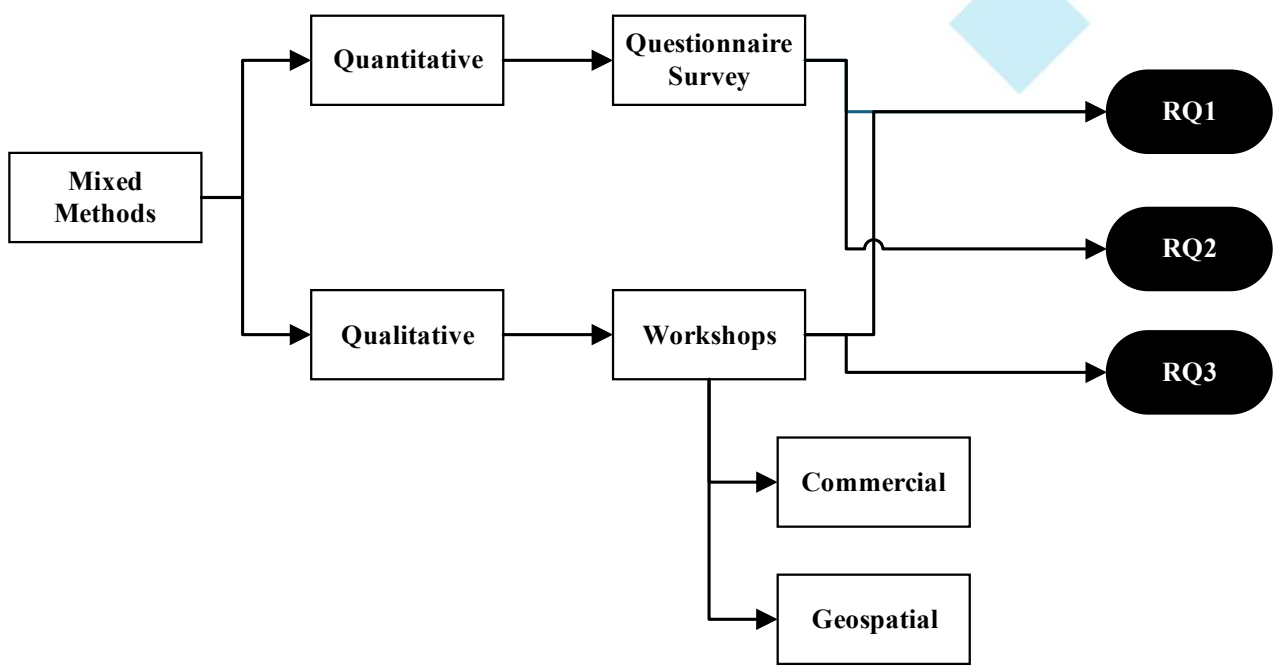
RQ1: What does sustainability mean in the context of the Civil Engineering Surveyor ?

RQ2: What does the sustainability maturity look like at the organisational level?

RQ3: How can the Civil Engineering Surveyor practice sustainability in their job role?



Method



Results – Survey Findings

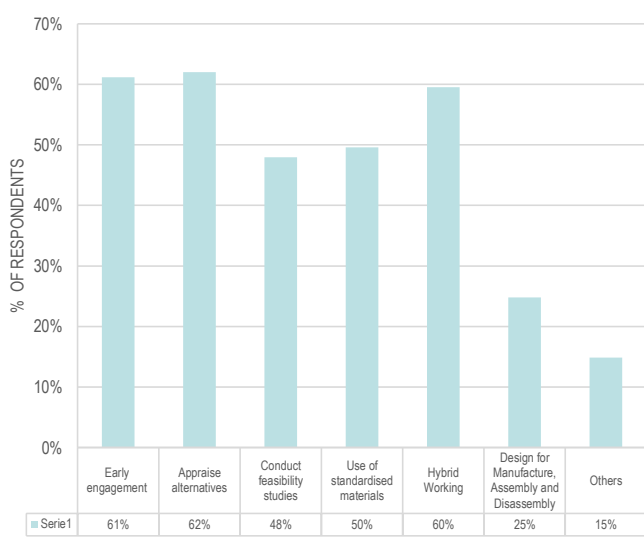
Sustainability definition:

“To minimise the negative effects of construction on the environment and society, while also improving the quality of life for people in the communities where we operate, all while maintaining a profitable business.”

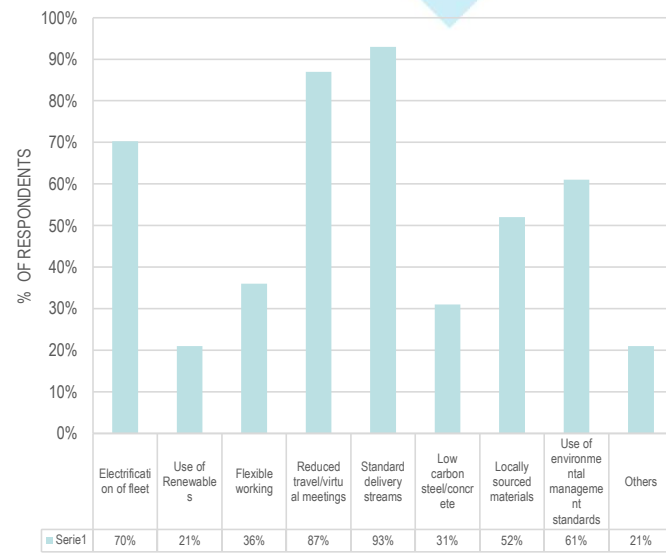


Results – Sustainability Maturity

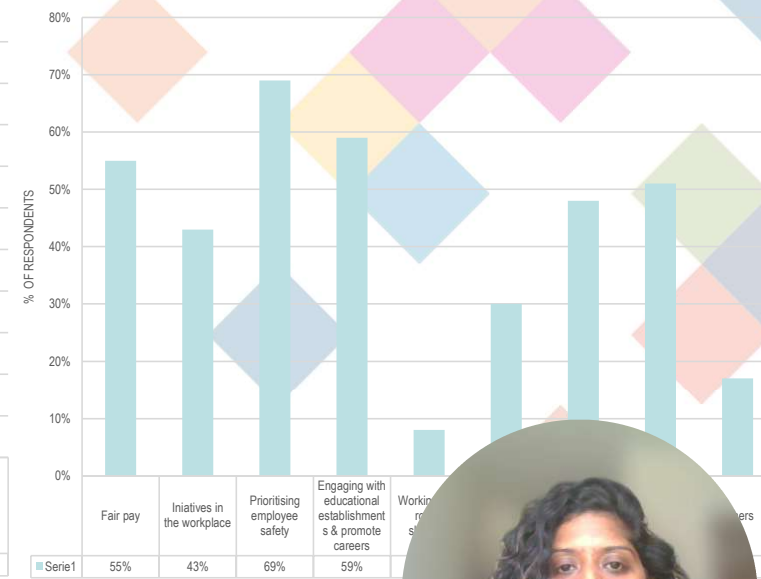
Economic



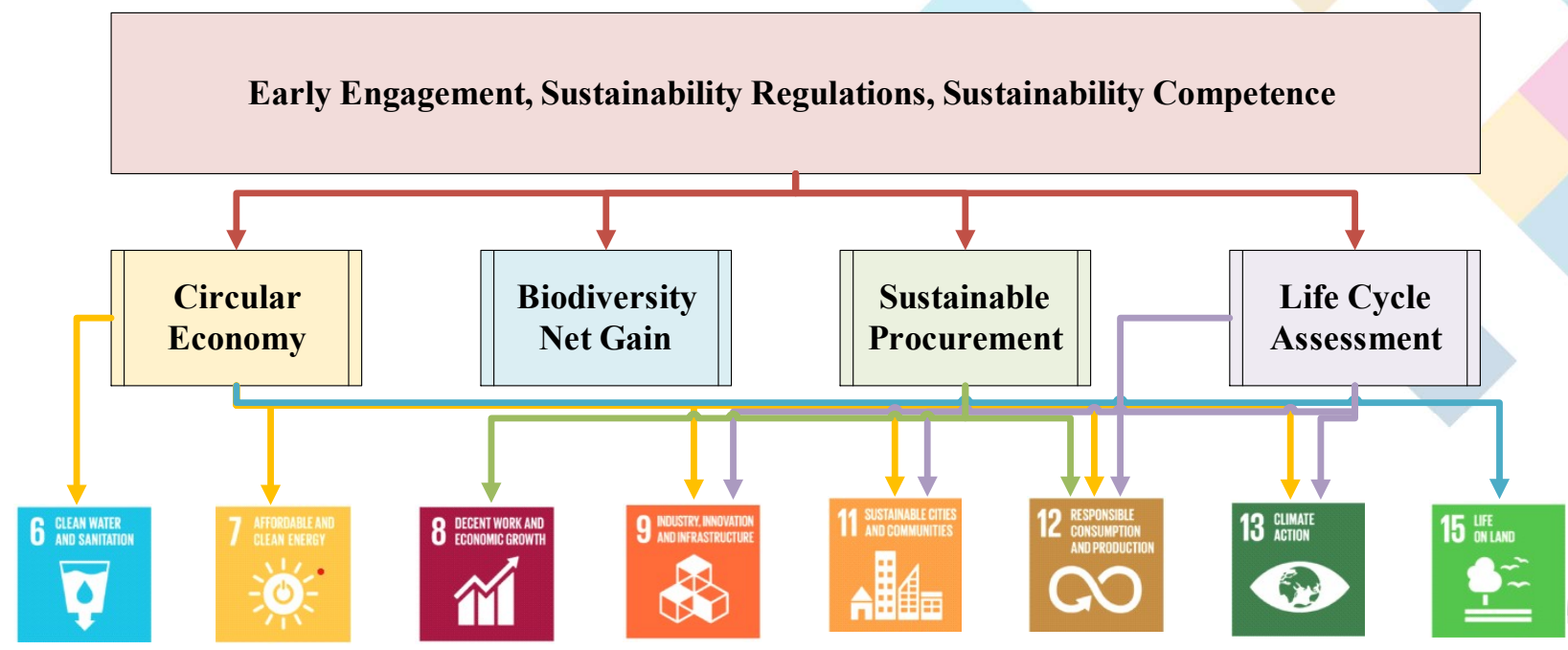
Environment



Social



Results – Workshop Themes



Key Take Aways

- Early engagement of the Civil Engineering Surveyor is crucial
- The knowledge of sustainability regulations and standards is important
- Civil Engineering Surveyors should keep up to date with ever-evolving sustainability topics
- Mandatory government regulations to drive sustainability





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Download the CICES
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THANK YOU!

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