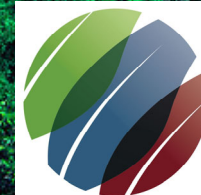




SBE_{nr}c PROJECT 2.76 **SUSTAINABLE PROCUREMENT**

Introduction to the research project

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Project Leader: Associate Professor Yingbin Feng



Sustainable
Built Environment
National Research Centre
AUSTRALIA



Outlines

• Project Development Process, discussions and feedback

• Industry Challenges and Needs

• Research Aim and Objectives

• Research Deliverables and approaches

Project Development Process



Lack of information and assessment regimes of sustainability
Advice to clients on sustainable procurement
---- Will Hackney

Need to see greater consideration of Whole of Life Costings in driving better sustainable procurement outcomes
---- Lionel Pero

How do you see through your supply chain to understand how you might have an impact?
---- Louis Bettini

Better delivery on what gov. is asking for in terms of environmental sustainability
---- Ashley Newcomb

Setting specific targets to assess sustainability
---- Fiona Hogg

How our provider treat the waste management (where they go) and contamination
---- Marissa Saunders

Upfront clear guidance on sustainability in procurement in projects. What is the cost?
Clear guidance needed from clients
---- Amy Elkington


Social outcomes are not always addressed. How to use the projects to achieve social outcomes
---- Karen Greaves

Transparency and tools; Consistency and simplification across various levels of gov. and private sector
---- Carl Barrett

How to be sustainable re local resources?
How we can provide guidance on modern slavery and how we can leverage on current environment post COVID-19?
---- Alisha Larkin

Strongly suggest ISO 20400 Sustainable Procurement Guidance standard is referenced in this research in terms of a 'definition' and best practice process and implementation
---- Michael Whitehead





A guideline or tool box for sustainable procurement to define best practice and offer tools (data capture or analysis etc) or cases studies to assist in implementing the processes recommended.

----- Louis Bettini



Post COVID19 impacts for achieving sustainable procurement and how these impacts may be ameliorated.

Effective contract management and supply chain monitoring processes.

Consider industry rating tools.

----- Michael Whitehead



Need for sustainability incentives by client organisations.

Need for procurement commercial decision making.

Important to examine the role of stakeholders in transforming practices.

----- Lionel Pero



Link the targets to existing organisational procurement policies, tender evaluation, supplier/contractor selection.

Whether assessment of value is only limited to meeting organisational targets.

----- Sherif Mohamed



I'd like to see this project simplify sustainable procurement – KISS principle.

Extends beyond basic human rights into broader social advancement.

Consistency and simplification in processes

----- Carl Barrett





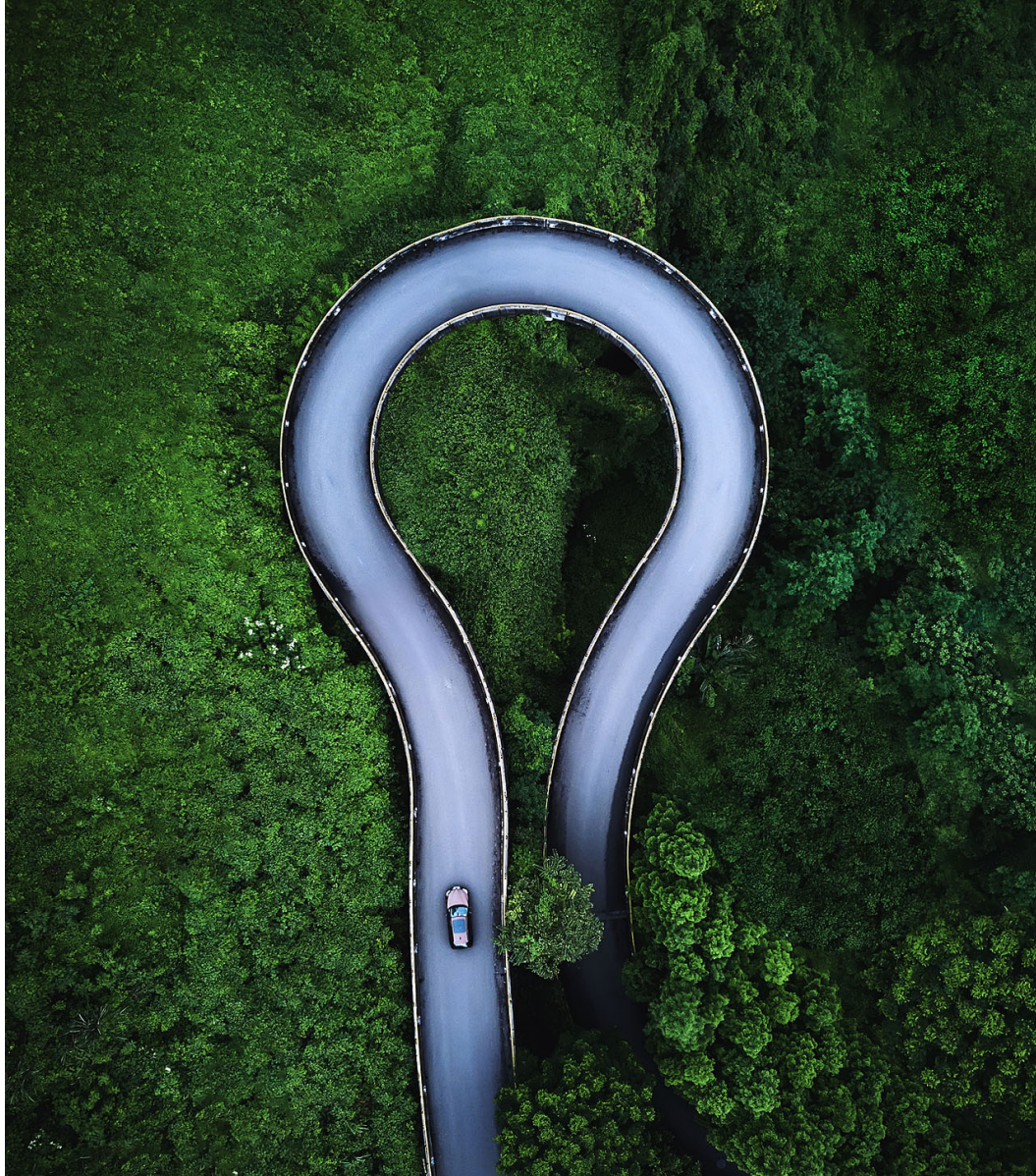
Industry Challenges

- Vast investment in housing, building and infrastructure
- Environmental and social impact
- Supply chain collaboration and engagement
- Justify procurement decisions
- Changing practices



Industry Needs

- What actually constitutes sustainability in terms of the procurement application?
- What is expected from procurement for sustainability?
- How to identify the products or services that genuinely support sustainable procurement goals, achieve the targeted outcomes and concurrently represent value-for-money in achieving those goals.



Industry Needs

- Social sustainability
- Local industry sustainability issues
- Whole-of-life waste management and circular economy
- better mechanisms that encourage recycled or sustainable products.
- Opportunity for growing social enterprises
- Sustainable issues across the procurement life cycle (i.e., planning, sourcing, and contract management)



Industry Needs

- verify the sustainability claims made by suppliers of products or services
- set specific targets to assess the sustainability components and performance of suppliers
- data on the size and value of the opportunity in addressing sustainable procurement.
- procurement commercial decision making to consider whole of life benefit and reduced environmental and social impact.



Industry Needs

- monitor suppliers practices, evaluate their sustainability performance, and identify the risks
- tracking imports to achieve social sustainability outcomes and improving visibility on the sustainability of imported products
- sustainable procurement in a post COVID19 setting



Industry Needs

- Consistency and simplification across various levels of government and private sector
- clear guidelines, framework, processes and tool boxes for sustainable procurement
- Business as Usual
- sustainability incentives by client
- respond to changing practices including digitisation



This industry-driven research project will respond to identified industry challenges by examining key issues across the procurement life cycle (i.e., planning, sourcing, and contract management) to improve environmental, social and economic sustainability outcomes in the housing, building and infrastructure sectors in Australia.

Research Aim

Objective #1

Examine the role of clients, stakeholders and suppliers in transforming industry practices in procurement for sustainability in the housing, building and infrastructure sectors



Objective #2

Identify the value of sustainable procurement to meet organisational targets, across environmental, social, economic and governance dimensions.

Objective #3

Examine the specific post COVID-19 impacts for achieving sustainable procurement and how these impacts may be ameliorated



Objective #4

Propose a sustainable procurement framework which integrates organisational targets, sustainability value tracking, existing technologies such as Building Information Modelling/Digital Engineering, industry rating tools, policies/ guidelines/ processes and supply chain engagement into procurement life cycle



Objective #5

Demonstrate the application of the proposed sustainable procurement framework by conducting case studies in selected sustainability themes such as green concrete, recycled content (beyond concrete material), Modern Slavery Act, regional participation, and marginalised groups.



Deliverables

Framework

- Roles of stakeholders
- Targets
- Value tracking
- Technologies and Rating tools
- Policies/guidelines/processes
- Procurement life cycle

Systematic study

- Key issues across the procurement life cycle
- Mechanisms to improve sustainability outcomes



Approach

- Define the targets
- Identify the value across environmental, social, economic and governance dimensions
- Inform procurement decisions

Guide

- Define best practices
- Tools/approaches/case studies
- Assist in implementing the processes recommended

End Users and Other Stakeholders

End-users

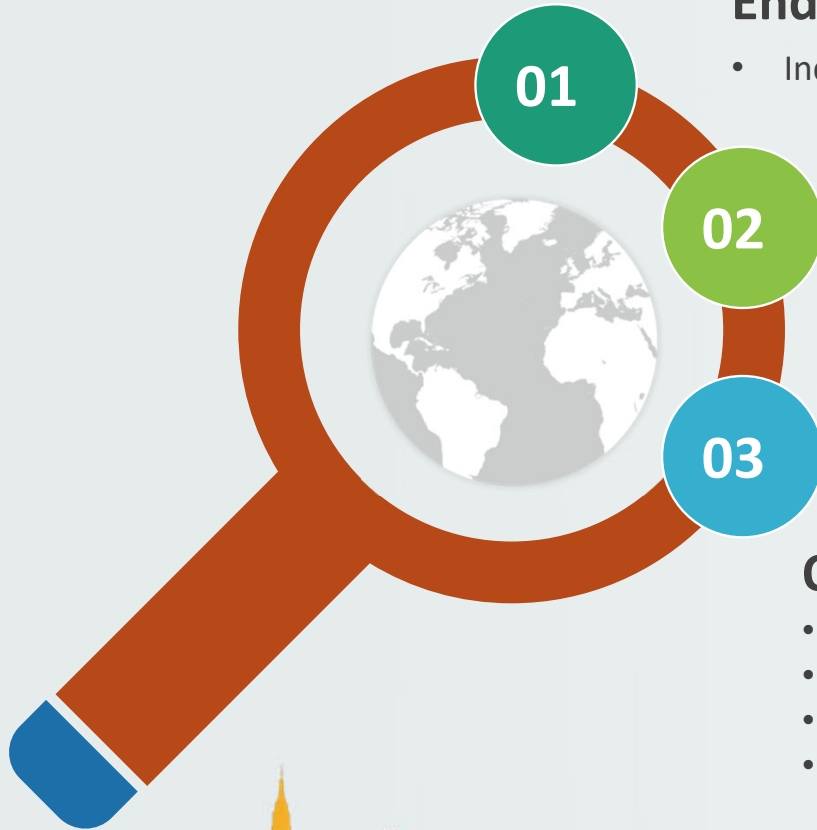
- Industry partner (public and private)

Key stakeholders

- government agencies
- design and construction supply chains
- consultants
- facilities and asset management organisations
- industry organisations/associations

Other stakeholders and beneficiaries

- International
- Regulators governing the built environment
- Broader community
- Other interested parties



Skills development/ Knowledge transfer/ Industry adoption plan

Goal

To improve sustainable procurement practices by industry partners and cross-sector within the Australian industry in general

Strategy/pathway

- Work with industry partners
- Work with industry on information dissemination and uptake strategies
- Develop and test proof-of-concept outputs with industry partners
- Liaise with wider industry to develop research to practice plans
- Publish, disseminate, and promote project outcomes at June 2022 CIB World Building Congress and other targets to be jointly identified

Evaluation

- Evaluation criteria through PSG
- Information sessions and workshops
- Independent industrial and academic reviewers
- Uptake by industry partners
- Level of wider industry interest such as survey of interest, attendance, webpage views, social media comments, and information downloads.



Research Methods

- Desktop research
- Interviews/ focus group discussions
- case studies



Desktop research

- academic literature
- industry reports
- policies/ guidelines/ processes
- grey literature



Interviews and focus group discussions

- role of clients, stakeholders and suppliers in transforming industry practices
- value of sustainable procurement to meet organisational targets
- post COVID19 impacts for achieving sustainable procurement



Case studies

- Green concrete
- Recycled contents (beyond concrete material)
- Modern Slavery Act
- Regional participation
- Marginalised groups

Leadership & Partnership

Governance

Resilience

Circular Economy

Supply Chain Collaboration

Modern Slavery

Regional Participants

Sustainable Products

Marginalised Group



How we buy matters

WESTERN SYDNEY UNIVERSITY



aurecon





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