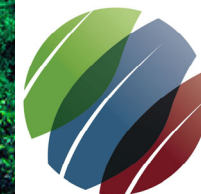




SBE_{nr}c PROJECT 2.76
SUSTAINABLE PROCUREMENT

PROJECT STEERING GROUP #4

Chair: Davina Rooney CEO GBCA
Project Leader: Associate Professor Yingbin Feng WSU



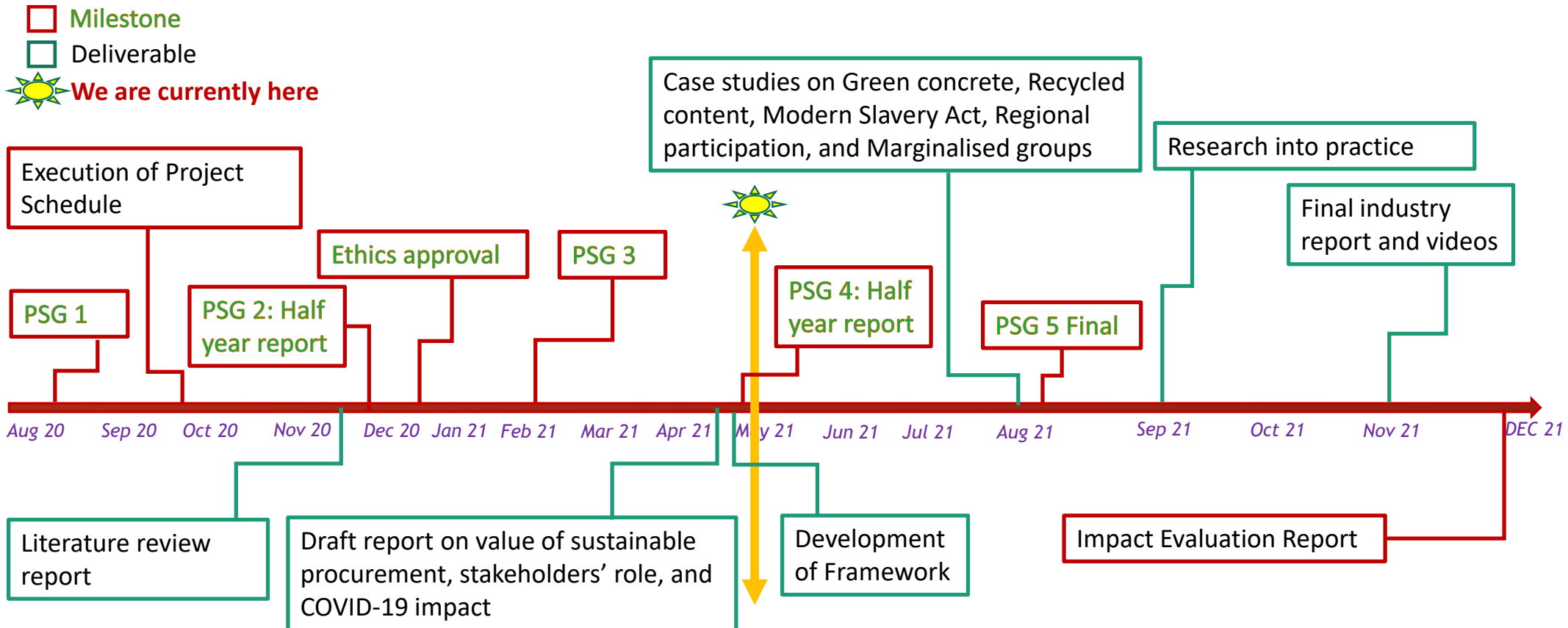
Sustainable
Built Environment
National Research Centre
AUSTRALIA



Outlines

- Timeline and Progress
- Findings of Focus Groups
- Framework Development
- Next Steps – Guide, Tools and Case Studies

Project Progress and Timelines



PROJECT PROGRESS

Research

- ✔ Ethics approval
- ✔ Literature review report
- ✔ Recruitment of 23 participants for Focus Groups
- ✔ Focus Group Session #1, #2, #3 and #4
- ✔ Transcription and analysis of Focus Group Discussions
- ✔ Development of framework
- 🔄 Development of guide and tools

Engagement

- 🔄 Local Councils
- 🔄 Australian Sustainable Built Environment Council (ASBEC)
- 🔄 Infrastructure Sustainability Council of Australia (ISCA)
- 🔄 Australian Department of Agriculture, Water and Environment (DAWE)
- 🔄 Implementing Circular Economy for European National Road Authorities

Communication

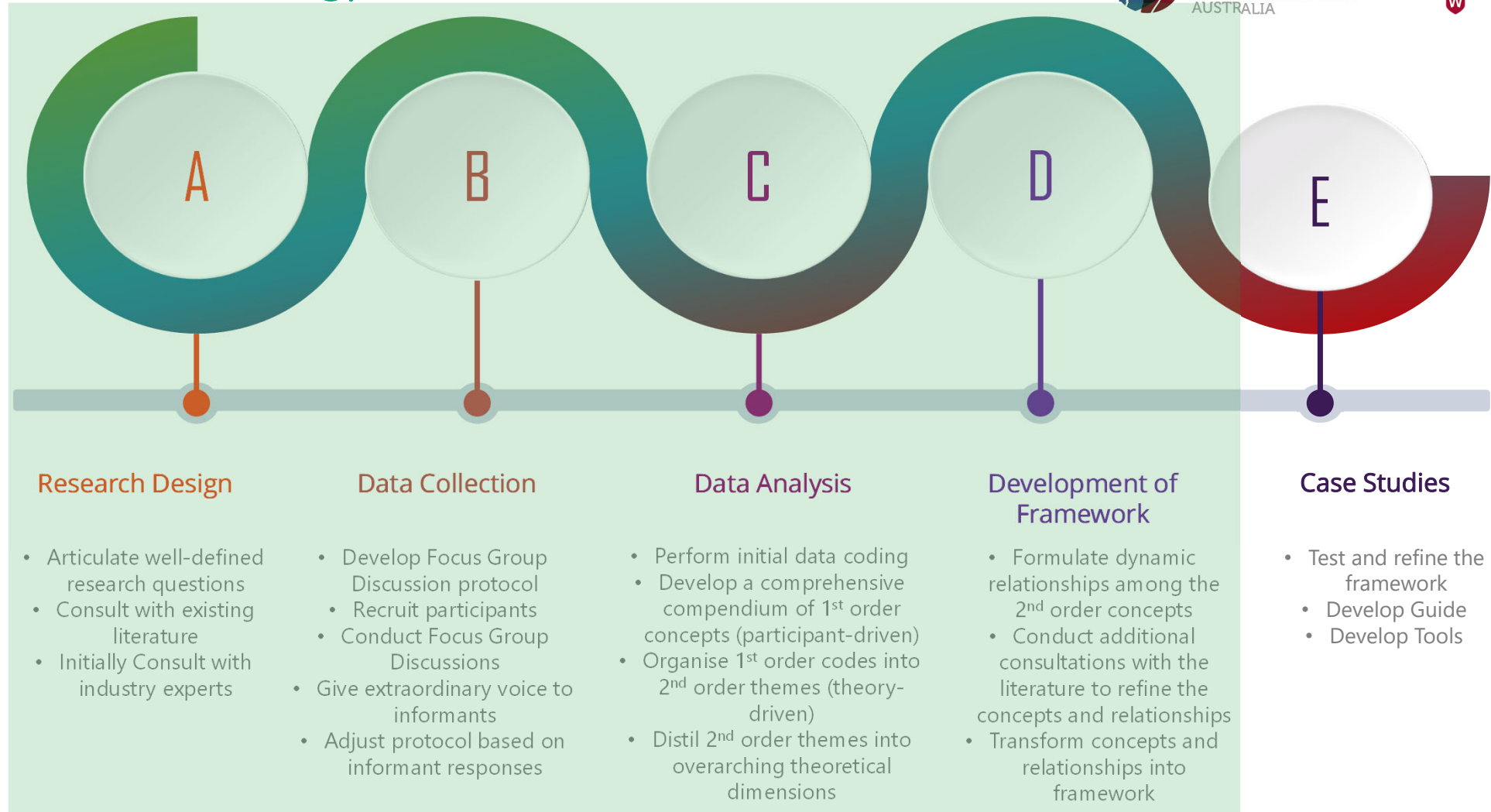
- 🏠 GBCA's National Roundtable of Councils
- ✔ Literature review report on SBEnrc website
- ✔ Communication article via LinkedIn and SBEnrc Newsletter
- ✔ Research seminar at WSU
- ✔ Project Steering Group Meetings
- ✔ Special Issue on Sustainable Procurement
- 🔄 Second communication article on focus group discussions
- 🔄 Co-authored publications

Capacity Building

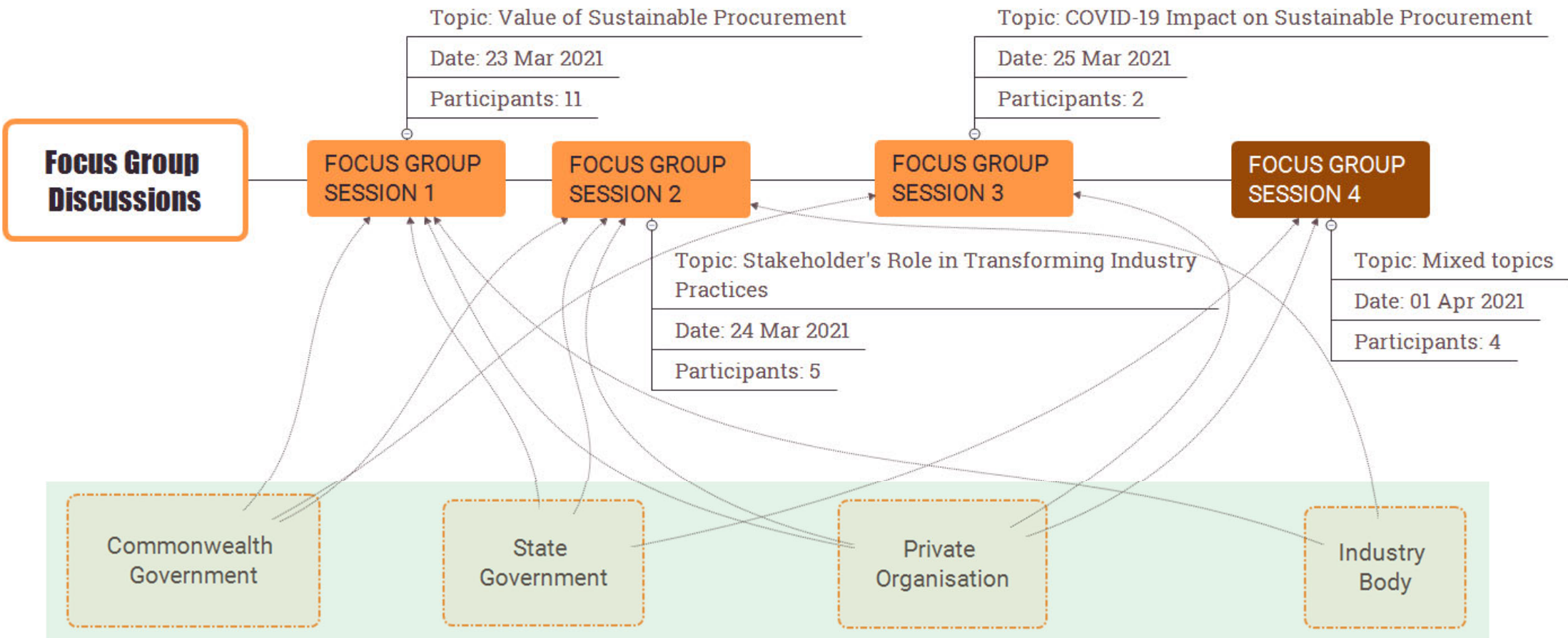
- 🔄 Three Undergraduate Honours students
- ✔ Four Early Career Researchers



Research Strategy



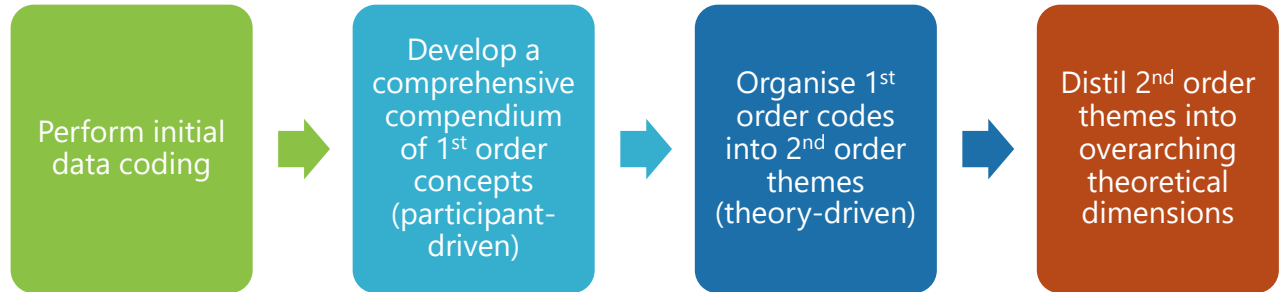
Focus Group Discussions - Overview



Data analysis strategy

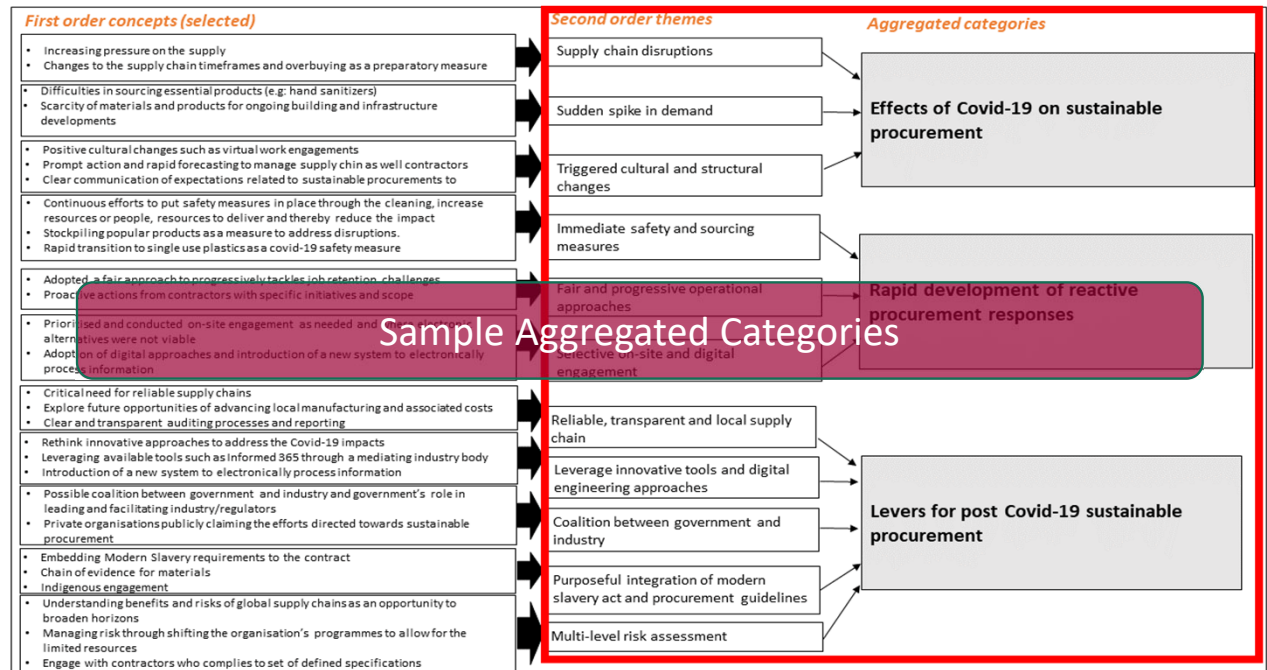
Question	Quote	Respondent	Level 1 Theme	RT1	RT2	RT3	P1	P2	P3	P4
1. How has Covid-19 impacted your industry and your organisation?	One of the things these matters do is have a rethink about some of the innovation that we were asking to look at around more just in time.	Ashley Newcomb [FG4]	Rethink innovative approaches to address the Covid-19 impacts			X	X			
	It's going to stay the weakness in relying on things being available because they're not always going to be available, especially stuff that's coming offshore. Which is further emphasized or underlined the sustainable procurement drive around local supply and having more reliable supply chains close by.	Ashley Newcomb [FG4]	Highlighted the importance of creating more reliable supply chains	X	X				X	
	The first impact I notice there was really around having to work very quickly with suppliers on their side.	Martin Dodge [FG4]	Rapid interactions and tasks on prestart checks, cleaning			X				X
	I don't think we had in that time much chance to think about it. I think it's just about reacting to the stimulus.	Martin Dodge [FG4]	Limited time to focus on the stimulus			X	X	X		
	I guess we're structurally we're kind of insulated a bit because we about vertical integration. So we start at the quarries in it, all the way through to the concrete. I think looking at where we're at now that the stimulus is changed. It's flipped it on its head. We're doing bigger numbers than we've ever done	Carl Barrett [FG4]	Processes in this private organisation were insulated because of vertical integration	X	X					X
	I guess on balance, COVID has been positive for BGC because of the stimulus. WA has been bit more insulated compared to other parts of the country.	Carl Barrett [FG4]	Experienced positive impacts of the stimulus offered by the government			X	X			
	Once COVID hit, we realised well, because we've got a lot of feedback from our contractors with limited supply, and obviously they do not stockpile, and a lot of the supply was coming from overseas and that all stopped.	Marissa Saunders [FG3]	Received feedback from contractors about limited supply			X				X

Sample 1st Order Concepts

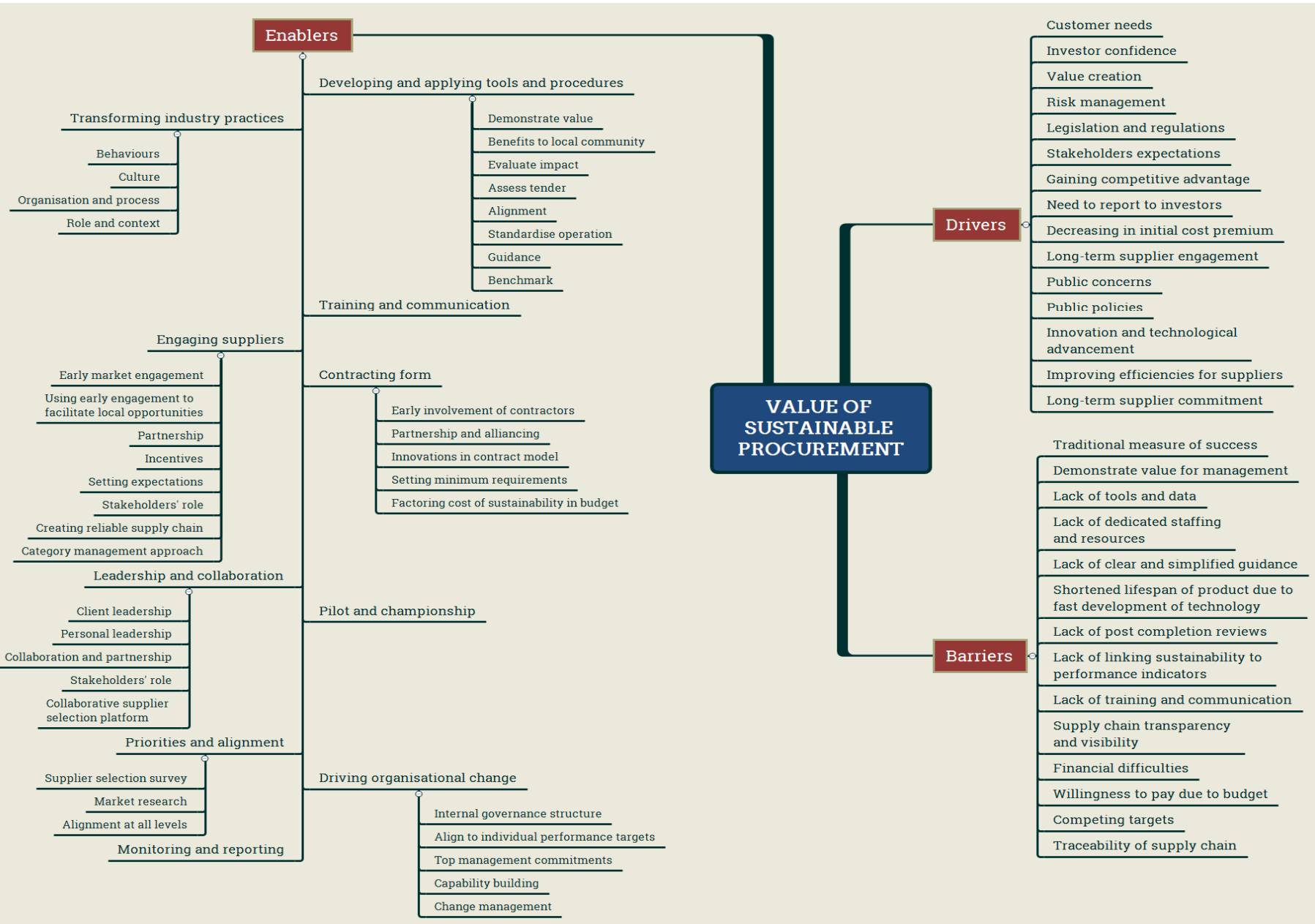


Question	Quote	Respondent	Level 1 Theme	Researcher	Level 2 theme/category	P1	P2	P3	P4
How has Covid-19 impacted your industry and your organisation?	In our civil infrastructure space, we were, you know, the conduit piping, we were going to run out of piping. We were going to run out of the ability to put up street lighting. For our, some of our developments.	Marissa Saunders [FG3]	Increasing pressure on the supply	GU	Supply chain disruptions			X	
How has Covid-19 impacted your industry and your organisation?	From the infrastructure side of things, I think it was a little bit the same, some delays, and supply chain shortages and delays in time frames.	Daniel Hunt [FG3]	Supply chain shortages and delays in time frames	GU					X
How has Covid-19 impacted your industry and your organisation?	Once COVID hit, we realised well, because we've got a lot of feedback from our contractors with limited supply, and obviously they do not stockpile, and a lot of the supply was coming from overseas and that all stopped.	Marissa Saunders [FG3]	Received feedback from contractors about limited supply	GU				X	X
How has Covid-19 impacted your industry and your organisation?	From the infrastructure side of things, I think it was a little bit the same, some delays, and supply chain shortages and delays in time frames.	Daniel Hunt [FG3]	Supply chain shortages	GU					X
How has Covid-19 impacted your industry and your organisation?	Even just hand sanitizer, trying to source hand sanitizer for our shopping centres was difficult. And so, the demand supply was higher, and we had limited resources.	Marissa Saunders [FG3]	Difficulties in sourcing hand sanitizers	GU	Sudden spike in demand				X
How has Covid-19 impacted your industry and your organisation?	So that's what we found, you know, was the supply chain stock to the supply chain, which affected our contractors in being able to deliver, let alone, you know, and in the maintenance space, obviously, you know, running out of, out of products was, it was a big thing	Marissa Saunders [FG3]	Variety of impacts including affecting the timely delivery by contractors, maintenance activities, limited supply of products	GU			X	X	

Sample 2nd Order Themes



Sample Aggregated Categories



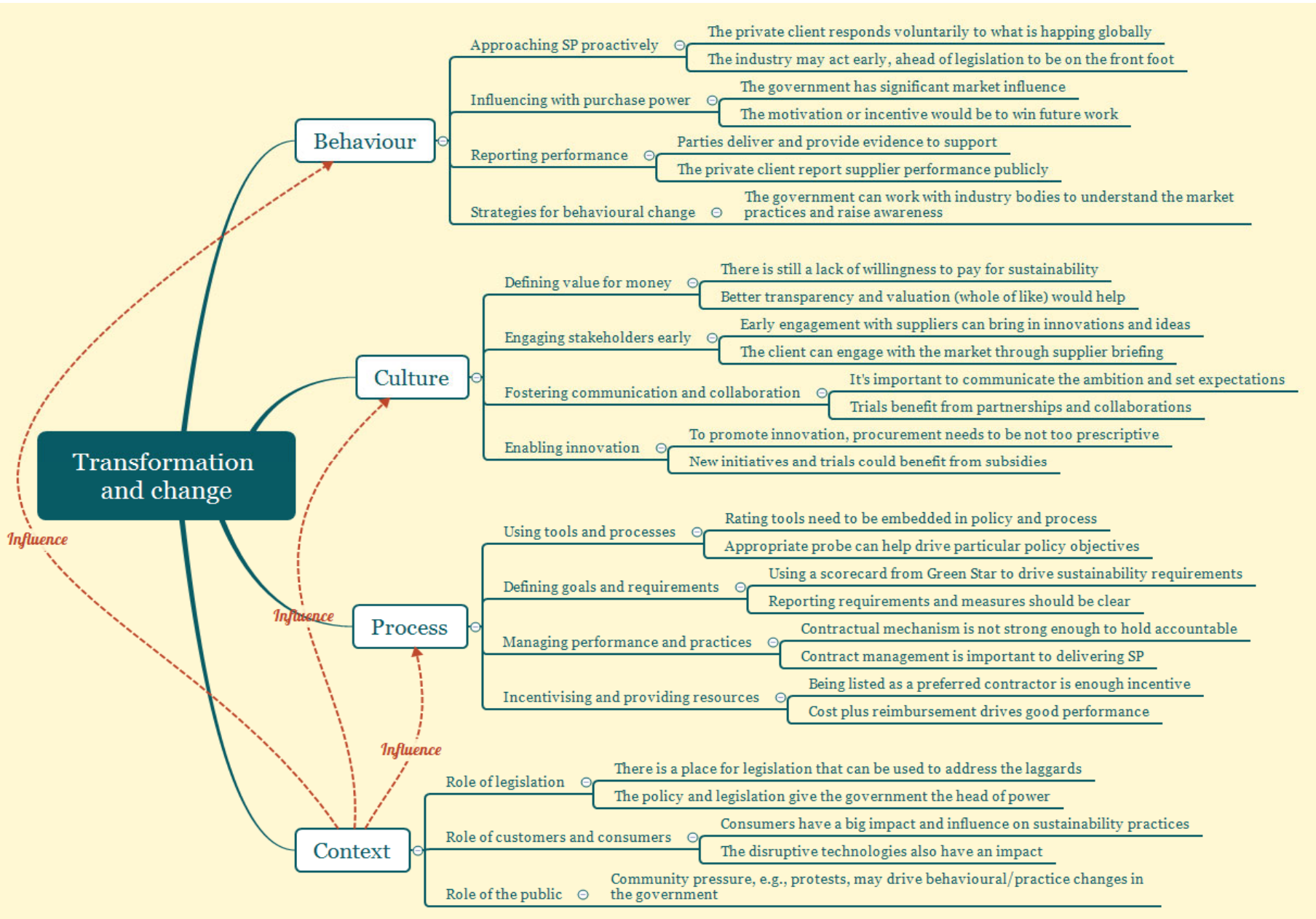
77 First order themes (participants-driven)



12 Second order themes (researcher-driven)



3 Aggregated categories



136 First order themes (participants-driven)



15 Second order themes (researcher-driven)



4 Aggregated categories

COVID-19 Impact on Sustainable Procurement

Effects of Covid-19 on sustainable procurement

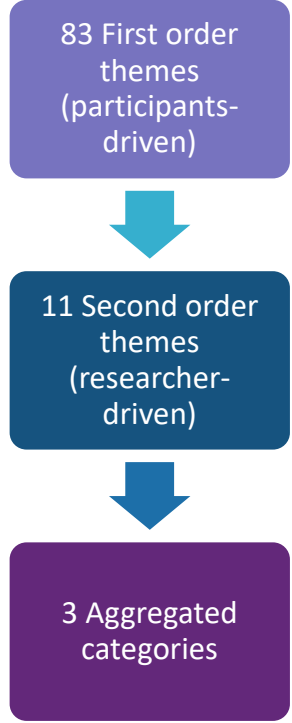
- Supply chain disruptions
 - Increasing pressure on the supply
 - Changes to the supply chain timeframes and overbuying as a preparatory measure
- Sudden spike in demand
 - Difficulties in sourcing essential products (e.g: hand sanitizers)
 - Scarcity of materials and products for ongoing building and infrastructure developments
- Triggered cultural and structural changes
 - Positive cultural changes such as virtual work engagements
 - Prompt action and rapid forecasting to manage supply chain as well contractors
 - Clear communication of expectations related to sustainable procurements

Rapid development of reactive procurement responses

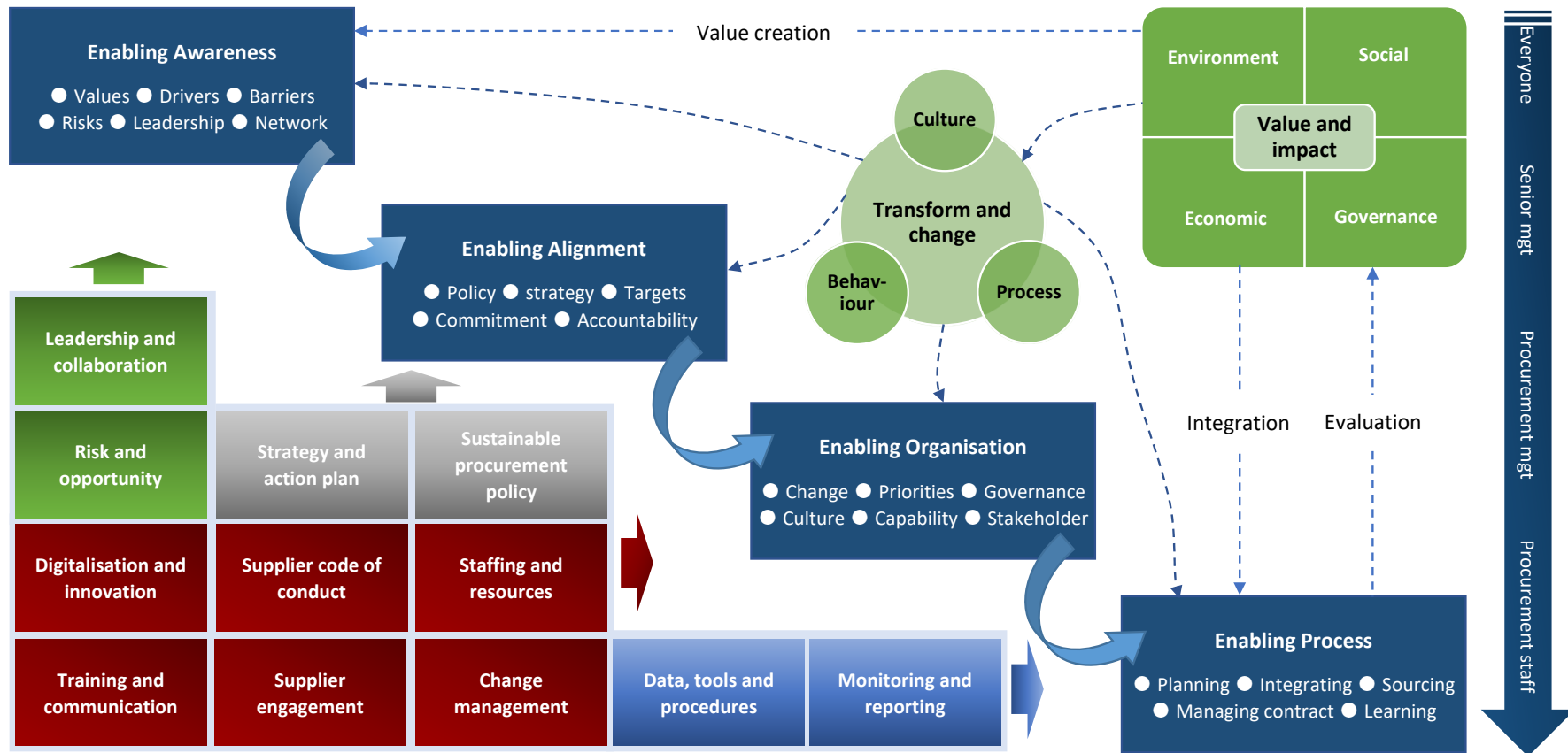
- Immediate safety and sourcing measures
 - Continuous efforts to put safety measures in place through the cleaning, increase resources or people, resources to deliver and thereby reduce the impact
 - Stockpiling popular products as a measure to address disruptions.
 - Rapid transition to single use plastics as a covid-19 safety measure
- Fair and progressive operational approaches
 - Adopted a fair approach to progressively tackles job retention challenges
 - Proactive actions from contractors with specific initiatives and scope
- Selective on-site and digital engagement
 - Prioritised and conducted on-site engagement as needed and where electronic alternatives were not viable
 - Adoption of digital approaches and introduction of a new system to electronically process information

Lever for post Covid-19 sustainable procurement

- Reliable, transparent and local supply chain
 - Critical need for reliable supply chains
 - Explore future opportunities of advancing local manufacturing and associated costs
 - Clear and transparent auditing processes and reporting
- Leverage innovative tools and digital engineering approaches
 - Rethink innovative approaches to address the Covid-19 impacts
 - Leveraging available tools such as Informed 365 through a mediating industry body
 - Introduction of a new system to electronically process information
- Coalition between government and industry
 - Possible coalition between government and industry and government's role in leading and facilitating industry/regulators
 - Private organisations publicly claiming the efforts directed towards sustainable procurement
- Purposeful integration of modern slavery act and procurement guidelines
 - Embedding Modern Slavery requirements to the contract
 - Chain of evidence for materials
 - Indigenous engagement
- Multi-level risk assessment
 - Understanding benefits and risks of global supply chains as an opportunity to broaden horizons
 - Managing risk through shifting the organisation's programmes to allow for the limited resources
 - Engage with contractors who complies to set of defined specifications



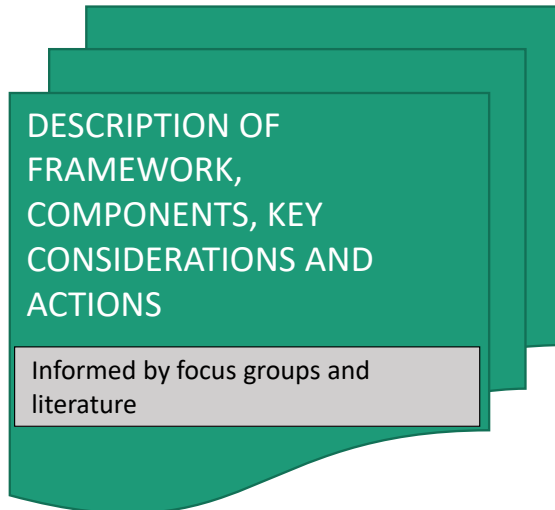
Framework for enabling sustainable procurement



Next Steps: Guide and Tools (proposed)



**GUIDE TO ENABLING
SUSTAINABLE
PROCUREMENT**



**DESCRIPTION OF
FRAMEWORK,
COMPONENTS, KEY
CONSIDERATIONS AND
ACTIONS**

Informed by focus groups and literature



**BEST PRACTICES MAPPING
TOOL**

Informed by focus groups and literature



**STAKEHOLDERS' INTERESTS
AND INFLUENCE MAPPING
TOOL AND MATRIX**

Informed by focus groups and literature



AUSTRALIAN CASE STUDIES

Informed by Case Studies

Acknowledgements



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Feedback

