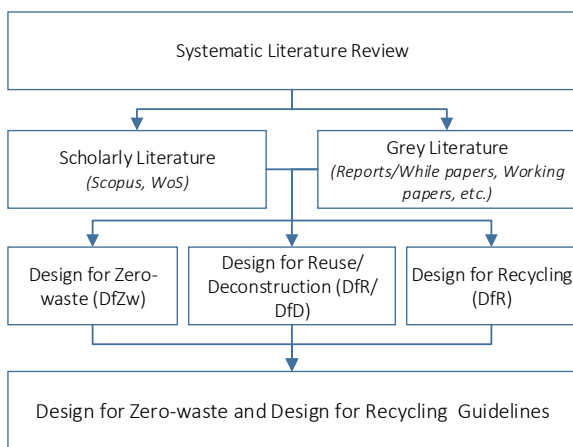


Industry Snapshot: Research Report No. 3

Development of the Circular Economy Guidelines for the Construction Industry

- Objective 1** *To explore the current CE practices in the construction and infrastructure projects in the global and Australian context through a systematic literature review*
- Objective 2** *To identify the key barriers and enablers of applying CE principles in the construction and infrastructure projects through meta-analysis*
- Objective 3** *To develop industry-specific guidelines for implementing CE practices in the construction and infrastructure industry*



The research framework and scope



Identified thematic areas for circular economy guidelines for the construction industry

Guidelines for Reuse Building/Building Elements (Example):

- Inventory**
 - Adaptive reuse of buildings and elements (Pre-demolition audit)
- Classification**
 - Based on reusability, degradability and hazardous property
- Technical manual**
 - Disassembly, logistics, stocking and reassembly techniques
- Database**
 - Traceable material and data bank for reporting/certification
- Regulatory requirement**
 - Standards, specifications and regulatory requirement for reusable components

Key Deadlines:

- September 2022- Completion of the analysis
- October 2022- finalise the draft guidelines
- November 2022- circulation of the draft guidelines for stakeholders' feedback
- December 2022- Submission of the research article

PROGRESS:

