

Stormwater Control Mechanisms- Management & Maintenance: Critical assessment of selected City Councils within Greater Melbourne.

Research Question

How are Stormwater Control Mechanisms being managed and maintained in selected municipalities within Greater Melbourne?

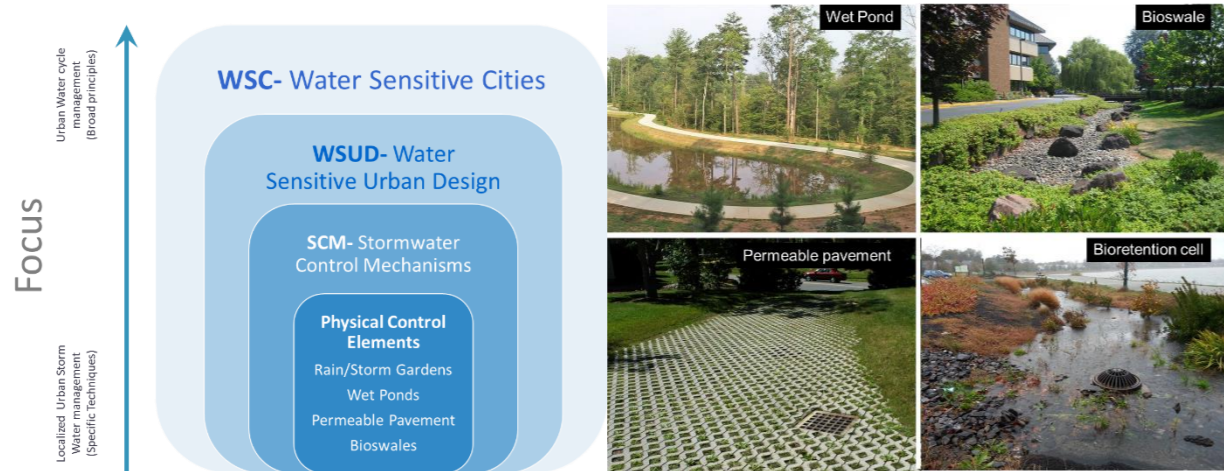
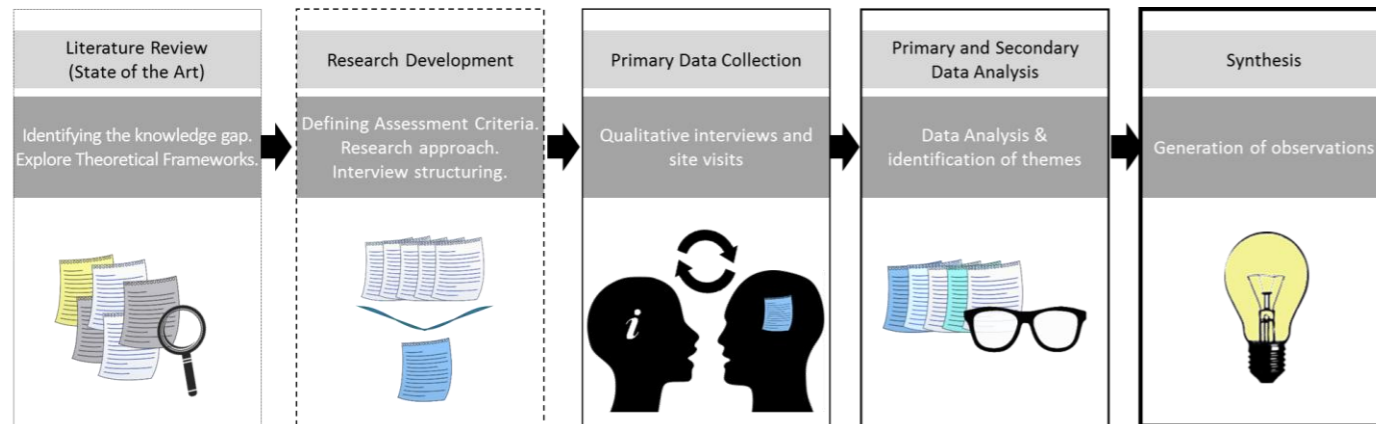


Figure 1- Typology and Examples of a Stormwater Control Mechanisms (Adapted from Fletcher's (2015))

Method

The Research method in use is by Case Study, based on interviews.

As a Qualitative Method, the research is informed via semi-structured interviews with relevant stakeholders identified, related to SCMs. At this stage the research project has reached 60% of its full extent.



Progress to date:



Figure 2- The Method (Bryman, 2012; Madsen et al., 2016).

To inform the assessment, and the interviews, a set of management frameworks have been identified as good practices to counter said weaknesses identifies on SCMs Management and Maintenance.

Research Approach & Progress

The Literature Review has been completed, and revised. Fieldwork has begun, with the visits to different SCMs (within the selected Municipalities) completed. Many of the interviews (main source of information) have been conducted. The coding of said interviews, as well as the associated analysis, is still underway. Preliminary results have been identified, and themes have started to arise, but confirmation via proper data analysis and synthesis still needs to occur.

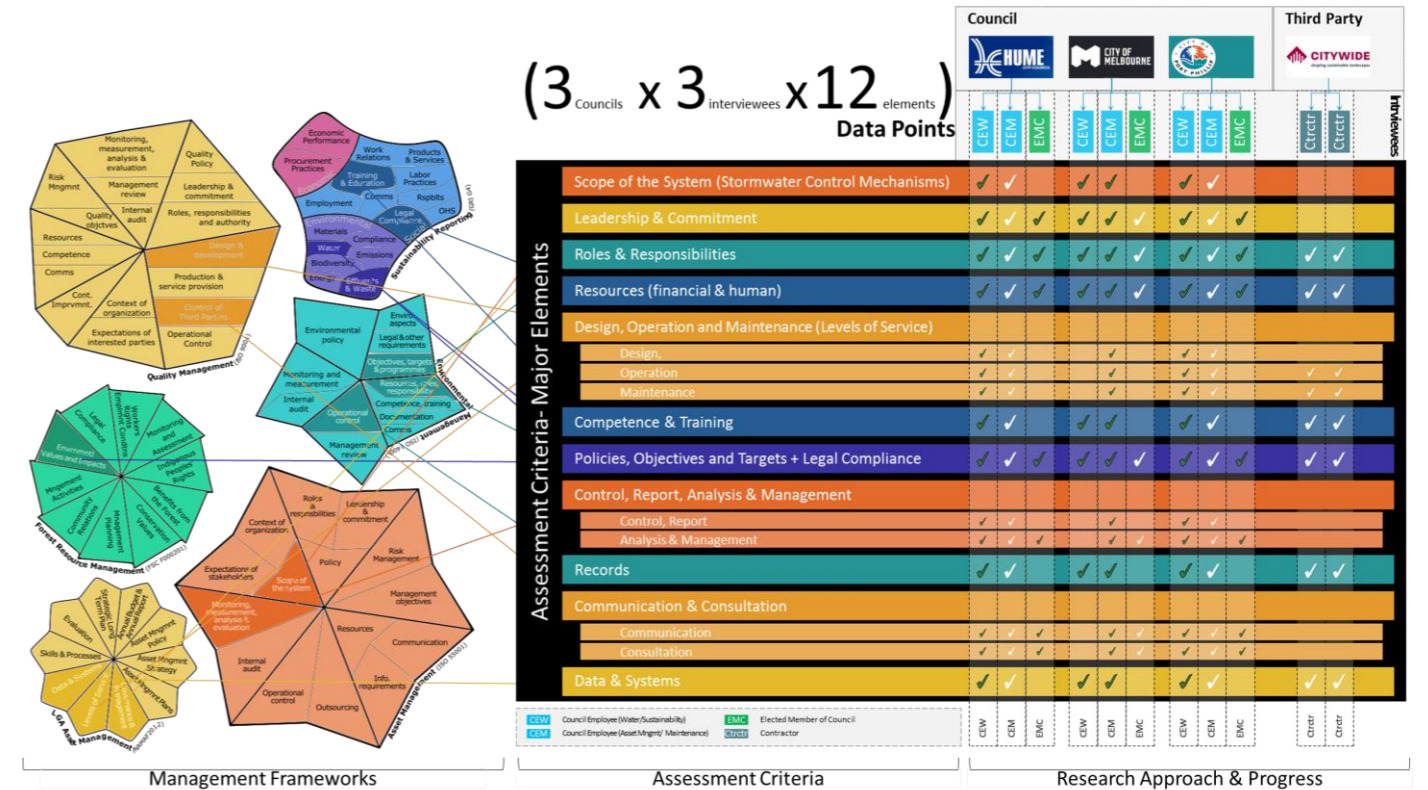


Figure 3-Assessment Criteria, Research approach and Progress.

Anticipated impacts

1. Likely result in increased efficiency for urban water systems, reducing the pressure on potable water sources.
2. Aims to benefit the City Partners (Hume, Port Phillip & Melbourne), helping them improve the greening of their public spaces. and raise resilience to the impacts of global warming, by bringing together academia and local government.
3. Other Cities around the world might also find the observations provided relevant, and easy to apply.

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