

Research Synthesis

Providing industry with innovative and tailored ideas to make their projects water sensitive

What is the Cooperative Research Centre for Water Sensitive Cities?

The Cooperative Research Centre for Water Sensitive Cities (CRCWSC) brings together interdisciplinary research expertise and thought-leadership to revolutionise urban water management.

In collaboration with over 85 research, industry and government partner organisations located across the globe, we deliver the social and technical urban water management solutions required to transition towns and cities to become more sustainable, resilient, productive and liveable.

Our research projects span disciplines from the physical sciences, engineering and planning to the social sciences including economics, political sciences and behavioural sciences.

Research Synthesis integrates research and industry at the precinct scale



Transferring know-how through Research Synthesis

Research Synthesis integrates these various research findings into specific solutions that industry can implement today.

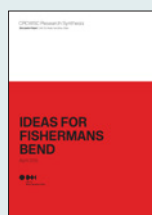
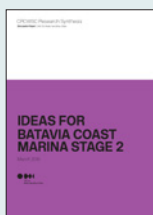
Synthesis projects are based on case studies that are nominated by one or more industry end users. Each project includes a facilitated design workshop involving researchers and industry representatives. The independence of the CRCWSC ensures that a broad representation of stakeholders participates but avoids the obligation for any organisation to implement the ideas generated. The result is genuine innovation, and often stronger interagency relationships.

The water sensitive ideas are presented in a discussion paper-style report. The reports provide succinct and powerful mechanisms for building both the credibility and the legitimacy of innovative ideas by providing tangible examples of innovative and contemporary water sensitive practice.

The reports provide:

- an articulation of the key challenges or opportunities for the site – as seen by the range of stakeholders,
- evidence based ideas for innovation for the site,
- graphics to illustrate these concepts, which can be used in briefings, and
- links to the relevant research for further reading.

Where practical, the ideas are supported by an initial evaluation using the CRCWSC's latest modelling tools and decision support frameworks. However, the purpose is to influence the generation of options that represent world's best practice and the innovation that research provides and so ideas are typically presented at a conceptual level.



CRC for
Water Sensitive Cities



Australian Government
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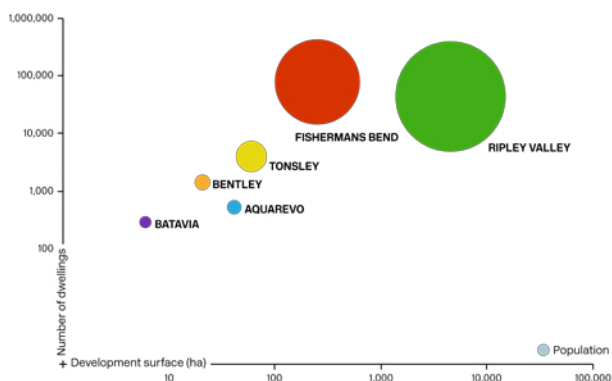
Business
Cooperative Research
Centres Programme

Research Synthesis

The impact can be found in **actual changes** in proposed master plans, reports and designs that now include the ideas generated by the CRCWSC's research synthesis projects

Recent Research Synthesis Activities

The CRCWSC has delivered a number of Research Synthesis projects across a range of different geographies, development contexts and end users.



Interested in hosting a synthesis project?

For further details, please contact the Regional Executive Director for your region:

- Eastern region (NSW and QLD) - Dr Sandra Hall s.hall@awmc.uq.edu.au
- Southern region (SA and VIC) - Mr Jamie Ewert Jamie.Ewert@monash.edu
- Western region (NT and WA) - Prof. Anas Ghadouani anas.ghadouani@uwa.edu.au

Benefits of Research Synthesis

The Research Synthesis process:

- harnesses the thinking of the top researchers in urban water management,
- furthers dialogue on alternative, innovative solutions,
- strengthens relationships between organisations, and
- develops capacity among a wide range of sector stakeholders.

	Infill	Brownfield	Greenfield
Tonsley		✓	
Aquarevo			✓
Ripley Valley			✓
BCM2	✓		
Fishermans Bend		✓	
Bentley	✓		

Future Research Synthesis projects

CRCWSC offers synthesis projects to its industry partners and plans to complete ten each year around Australia, including in regional areas.

Case studies that are well suited to Research Synthesis have:

- the potential for innovation at the precinct scale, and may be greenfield or infill/redevelopment contexts,
- industry partners that are committed to delivering the project, are open to collaboration and welcoming of new ideas,
- sufficient scope to incorporate new ideas into options analysis and concept planning,
- specific constraints or opportunities for improved urban water cycle management.

The cost of a Research Synthesis project is influenced by the case study itself. Costs typically range from \$10,000 to \$40,000 and are influenced by factors such as the location and composition of the Research Synthesis team.