

Australian Government Department of Industry, Innovation and Science Business Cooperative Researc Centres Programme

IRP1: WSC Transition Strategies and Implementation Plans

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Regional Needs Identified

- 1. Strengthened and aligned policy, legislation and regulation in support of WSCs
- 2. Shared vision and narrative for WSCs that connects with community values and drives decision-making
- 3. New economic and financial models and incentives that recognise the values and benefits of a WSC
- 4. Robust and inclusive decision-making frameworks
- 5. Governance framework to enable coordination and collaboration across agencies and sectors
- 6. Holistic evaluation frameworks to support WSC investments
- 7. Guidance on how to develop context-specific solutions
- 8. Achieving multiple benefits through integrated planning and design of water systems and the urban form
- 9. Develop next generation flood risk assessment framework and tools as part of a WSC approach
- 10. Monitoring and evaluation for improved system design and performance
- 11. Efficient and effective operations and maintenance systems to achieve WSC outcomes
- 12. Coherent understanding of groundwater systems and interactions with surface waters
- 13. Leadership and influence
- 14. A culture of learning and innovation
- 15. Translation and sharing of WSC knowledge
- 16. Building community connection and engagement
- 17. Building capacity to deliver a water sensitive city





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1. Strengthened and aligned policy, legislation and regulation in support of WSCs







Tranche 1 Research

CRC for Water Sensitive Cities

Shaping Perth a Water Sensitive

CRC for Water S

Outcomes and perspectiv participatory process to d and strategic transition fr Priory Rogers, Katio Hammer, Lara



Towards a Water Sensitive Elwood

A Community Vision and Transition Pathways





Business Australian Government

Cooperative Research Centres Programme



Project design

The CRCWSC vision refers to liveability, sustainability and resilience as key components of water sensitivity. Therefore the tool will apply these three concepts as "lenses" through which water sensitivity is assessed.

The first stage involves the consolidation of existing knowledge to identify preliminary indicators for halfmarks of water sensitivity, such as good governance, adaptive water infrastructure and ecological health. These preliminary indicators and proposed algorithms for

alculating the liveability, sustainability and resilience scores will hen be compiled in an initial prototype version of the WSC lodes, eady for early trials with CRCWSC's stakeholders. The trials vill involve local government stakeholders using the tool with a on local water management practices. In tandem with the



Scientists and Policy Influence: A Literature Review

Strategies for influencing the political dynamics of decision making



Water Sensitive Cities Index vater management view prototype consolidation of tools synthesis assessment as a session as a se

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effective use.



IRP1 Aims and Objectives

This project aims to deliver a suite of participatory methods and associated tools for developing strategic guidance to cities and towns who want to accelerate WSC transitions

- 1. Enhance, refine, implement and evaluate the developed benchmarking and envisioning methodologies across different scales
- 2. Integrate, test and refine developed CRC knowledge and tools into the methodologies to support communication and understanding about WSC concepts (WSC Index, engagement strategies)
- 3. Develop transition strategies and implementation plans for each case study
- 4. Monitor and evaluate the effectiveness of the participatory methods, transition strategies and implementation plans





Research Questions

- 1. How can community, government and industry stakeholders at different spatial and engagement scales be brought together in participatory forums to develop a shared understanding of the challenges, aspirations and opportunities for advancing water sensitive cities?
- 2. How can local and city-scale water sensitive transitions be deliberately steered and coordinated through strategic intervention?
- 3. What strategies, processes and representations can be used to increase support and a shared commitment for the water sensitive transition amongst different stakeholders?
- 4. What are the key drivers of successful implementation of WSC transition strategies and plans?

















18-24 months













Research Approach: Preliminary case studies



Intent is to seed local stakeholder interest and commitment to scaling up through co-investment to a full process

Evaluation of processes, tools and strategies





Research Approach: Preliminary case studies



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Innovation and Science









IRP1 Outcomes

- Safe forums to develop a deep and shared understanding of aspirations, issues and opportunities
- Case studies:
 - Detailed transition strategy and implementation plan for full cases
 - Outline transition strategy for light cases
- Comparative analysis across case studies
- Strategies for engaging with communities to build support
- Process guidelines for participatory methods



CRC for Water Sensitive Cities

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