

Ensuring a water sensitive future

As an interdisciplinary research centre, the **Cooperative Research Centre for Water Sensitive Cities** has brought together world renowned subject matter experts and industry thought leaders who want to *revolutionise urban water management*.



Australian Government
Department of Industry,
Innovation and Science

Business
Cooperative Research
Centres Programme

We have made significant progress

Working with our 80+ partners, we have made significant progress towards achieving our mission to:

- Research **interdisciplinary responses** to water problems
- Synthesise diverse research outputs into practical solutions
- Influence **policy, regulation, and practice** to promote adoption and results on the ground.



Our achievements to date include

Research

6...
WATER SENSITIVE CITIES
TRANSITION STRATEGIES

1K+
RESEARCH OUTPUTS
INC. **230** PEER REVIEWED
JOURNAL ARTICLES

NATIONAL AND INTERNATIONAL
AWARDS FOR RESEARCH
EXCELLENCE AND INNOVATION

3
NATIONAL CRCWSC
CONFERENCES WITH OVER
800 ATTENDEES

Synthesise

25
APPLICATIONS OF THE
WSC INDEX TO BENCHMARK
CURRENT WATER SENSITIVE
CITY STATUS

15
IDEAS FOR
SYNTHESIS PROJECTS

USEFUL TOOLS AND
PRODUCTS TESTED VIA
12 CASE
STUDIES

Influence

50+
POSITION PAPERS,
GIVING EXPERT ADVICE ON POLICY

5
REGIONAL ADVISORY PANELS
AND A NATIONAL CAPACITY
BUILDING NETWORK

50+
CASE STUDIES AND GUIDELINES

INTERNATIONAL COLLABORATION
SUPPORTING WSC INVESTMENT
IN MORE THAN A DOZEN COUNTRIES

But there is more to do

Our current term expires on 30 June 2021. We will have much to celebrate by then, but we know that there will be more to do to:

- ensure Australia remains a global leader in urban water collaboration, research and application
- build on progress made relating to the institutions, regulations, technical tools and industry networks necessary to scale up and lock in water sensitive practices
- continue to challenge the status quo and support city transitions with science-based advocacy.

Our first two tranches of research and adoption activities were built on genuine engagement—understanding our partners' and industry needs and priorities. Engagement is just as important as we look ahead to a potential third wave of research and adoption (T3).

More about our work so far in **South Australia**

Vision and Transition Strategy for a Water Sensitive Adelaide—is guiding Adelaide's next steps towards its water sensitive future. This vision encapsulates:

- terrestrial, freshwater and marine ecosystems that are diverse, healthy and productive
- water systems that are smart, sustainable and flexible
- an urban form that integrates water and highlights Adelaide's unique features
- communities that actively engage in water management
- water that supports a strong economy
- governance arrangements that can adapt to complex challenges.



We would love to **hear your views**

Over the next 9 months, we will be seeking your views on the issues that will shape our future cities, the action needed to respond to those issues and how Integrated Urban Water Management can contribute.

You can have your say by:

- Joining us at our T3 workshop on 5-6 December in Melbourne
- Contacting us directly via our dedicated T3@crwsc.com.au email
- Talking to your Regional Manager or contributing to Regional Advisory Panel discussions
- Joining us in Brisbane for our 4th Water Sensitive Cities Conference, 26-28 March 2019.



The Salisbury East Rejuvenation Project—is planning and designing a water sensitive infill precinct, in an area of Adelaide that is likely to experience significant infill in coming years. The City of Salisbury is seeking new approaches to housing typologies, streetscape design and multiple uses for public green spaces, that improve liveability and connectivity, and result in attractive urban renewal of the whole precinct. Importantly, future developments must meet residents' expectations, while also implementing water sensitive solutions.

Adelaide Airport Irrigation Trial—uses stormwater to irrigate the flight strips at Adelaide Airport, to maintain appropriate vegetative cover and cool the area around the airport. So far, the trial shows irrigated areas are over 3°C cooler on hot days than unirrigated areas. The trial is also examining ways to use the land productively, planting Lucerne hay instead of grass. Using the area for cropping could help Adelaide Airport recoup some of the irrigation and maintenance costs.



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