



Investment prospectus for South Australia's water sensitive urban design
capacity building program 2015-16 and 2016-17

We will bring about a cultural shift in which WSUD is widely recognised and embraced.

South Australia has shown international leadership in stormwater and wastewater re-use, but there is real need and strong demand to become truly water sensitive in our approach to policy, planning, development and successful implementation.

Water Sensitive SA offers this opportunity. We support local government, urban water managers and the development industry to achieve the very best water sensitive urban design (WSUD) outcomes for urban developments, capital works projects and other relevant activity, including stormwater network upgrades, streetscape modifications and park upgrades.

Many challenges currently limit the widespread adoption of WSUD in our communities. We are committed to tackling these challenges through the delivery of a high quality program that is responsive to the needs of current and future partners and stakeholders.

Get in touch with our Program Manager Mellissa Bradley

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WHAT WE OFFER

As the hub for WSUD activity and learning in South Australia, Water Sensitive SA provides:

- networking opportunities and peer-to-peer learning on strategic, policy and technical matters
- specialist training to address key knowledge and skills gaps
- more accessible WSUD research for practitioners.
- resource development, including guidelines and tools
- information sharing through our website, newsletter, blog articles and forums.



The value for current and potential partners

Practitioners/peers

Providing the opportunity to up-skill, engage, educate and influence peers, clients and the community in WSUD to improve productivity, enlarge the market, give greater certainty and reduce inter-jurisdictional variations in requirements.

Government institutions

Support for a cultural shift in decision-making in support of SA WSUD Policy development and adoption by providing practical advice and tools to deliver on state/regional level strategies and policies.

Development industry

Water Sensitive SA will afford equity for all developers by advocating for the concurrent adoption of the WSUD policy within all local government areas and will develop guidelines and tools that will achieve efficiencies and cost savings in the development application and approval processes.

Corporations/organisations

Investing in products, services and projects that align with Water Sensitive SA will provide businesses and organisations with the opportunity to reach new markets, present products and information to practitioners, increased brand awareness, gain feedback from industry and build their reputation.

Researchers

Greater uptake of WSUD research and development outputs and informed research focused on matters of value to WSUD policy, planning, practice and assessment.

Community

More liveable communities, lowest infrastructure costs to deliver green sustainable cities and healthy waterways and a better informed community on WSUD and pathways for citizen participation at the household, neighbourhood and broader community scale.



ASPIRATIONAL PROGRAM GOAL

Water Sensitive Urban Design (WSUD) is an integral component of any development or infrastructure project and is considered vital in facilitating the systemic transition to water sensitive communities. All relevant government and industry sectors have the commitment, knowledge and skills to meet this common goal.

LONGER-TERM OUTCOMES

- Greater connection between communities and their environment (both local and remote)
- Increased amenity values
- Reduced impact of run-off from stormwater and priority watercourses in aquatic, coastal and marine environments
- Increased demand and supply of alternative, fit-for-purpose water sources
- Productive uses of alternative water sources maximised and contributing to urban food production
- Urban watercourse protection with high quality aquatic and biodiversity outcomes
- Integrated climate change adaptation using water to green our suburbs and reduce heat island effects.
- Reduced flood risk

INTERMEDIATE OUTCOMES

ACTIVITIES

	INTERMEDIATE OUTCOMES	ACTIVITIES
Policy development	<ul style="list-style-type: none"> • Decision makers and communities understand the multiple benefits of WSUD including enhanced liveability, resilience, sustainability and productivity. • Consistency and equity in the application of WSUD in new developments and infrastructure projects. 	<ul style="list-style-type: none"> • Facilitate the incorporation of practitioner expertise into agency processes to develop an implementation framework for SA WSUD policy. • Advocate for changes in WSUD policy and practice in government, industry and public forums.
Technical resources	<ul style="list-style-type: none"> • Practitioners have the guidelines and tools necessary to inform planning, design, construction and maintenance of WSUD assets. 	<ul style="list-style-type: none"> • Review existing technical guidelines for WSUD in SA and regionalise several interstate guidelines in partnership with other WSUD capacity building programs. • Create resources, including online tools, and deemed to comply guidelines, to support implementation of WSUD policy.
Communications	<ul style="list-style-type: none"> • Practitioners and the broader community are informed of techniques to apply WSUD over a range of scales. 	<ul style="list-style-type: none"> • Deliver 'Water for Liveability' campaign to raise practitioner and community awareness of the benefits of WSUD and how it can be applied. • Case studies, e-newsletters, blogs and online forums.
Coordinated approach to training	<ul style="list-style-type: none"> • Practitioners efficiently deliver best practice integrated water management and WSUD technologies, with reduced financial risk. 	<ul style="list-style-type: none"> • Provide training regarding WSUD planning, detailed design, construction, operation and maintenance including: detailed design of biofilters, WSUD 101 for planners and development assessors, construction and maintenance of vegetated stormwater management systems.
Institutional capacity	<ul style="list-style-type: none"> • Increased ability of various agencies and industry sectors to collaborate on projects and discuss and debate the technical, political and socio-economic issues associated with mainstream uptake of WSUD. 	<ul style="list-style-type: none"> • Provide forums for practitioners across government and industry to network and discuss WSUD policy, technical, political and socio-economic matters and implementation challenges (establishing a community of practice).
Protecting our investment	<ul style="list-style-type: none"> • The whole-of-life costs of WSUD assets are understood. 	<ul style="list-style-type: none"> • Develop reference materials to document the capital, operational and maintenance costs associated with WSUD to inform budgeting processes of developers and Councils for capital works, operations, maintenance and asset renewal.
Research	<ul style="list-style-type: none"> • Accessible research increases practitioner trust in the benefits and application of WSUD. 	<ul style="list-style-type: none"> • Work with researchers such as the Goyder Institute, CRC for Water Sensitive Cities and CSIRO to provide research outcomes of relevance to the practitioner base in an accessible form. • Inform future research where appropriate.

INVESTMENT OPPORTUNITIES

Water Sensitive SA provides leadership, supports innovation, grows capability and delivers practical tools to transform South Australia's urban landscape. We have seed funding for a 3 year program. Become an investment partner.

Further funding required

Priority Projects	YEAR ONE 2014-15 \$150,000		YEAR TWO 2015-16 \$165,000		YEAR THREE 2016-17 \$185,000	
	FUNDED by our founding investors		\$160,000 FUNDED		\$115,000 FUNDED	
	Year Two		Year Three			
Cost benefit analysis – the “Case for “WSUD”	\$40,000		–			
Life cycle costing analysis, for a suite of development scenarios and a range of WSUD element types for capital expansion, asset renewal or retrofit situations	\$40,000		–			
Review and update technical guidelines	–		\$120,000			
Urban design code – deemed-to-comply guide	\$60,000		–			
Online stormwater assessment tool (for simple/ small scale developments)	–		\$100,000			
MUSIC Guidelines for SA (for more complex developments/water management plans).	–		\$50,000			
Additional investment needed for Priority Projects	\$140,000		\$270,000			
Additional investment needed for Program Deliverables	\$5,000		\$70,000			
	GAP OF \$145,000		GAP OF \$340,000			

Founding investors



Natural Resources
Adelaide and Mt Lofty Ranges

LOCAL GOVERNMENT RESEARCH & DEVELOPMENT SCHEME

