



## Overview Water Sensitive SA Program & Opportunities for collaboration

Green Infrastructure Project Working Group

Mellissa Bradley, Program Manager  
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**Water Sensitive SA** - established to build the capacity of all organisations with a role in the planning, design, approval, construction or maintenance of new developments and infrastructure to implement best practice water sensitive urban design (WSUD)

# Water Sensitive SA Program Partners



**Natural Resources**  
Adelaide and Mt Lofty Ranges

LOCAL GOVERNMENT RESEARCH & DEVELOPMENT SCHEME



# What we provide:

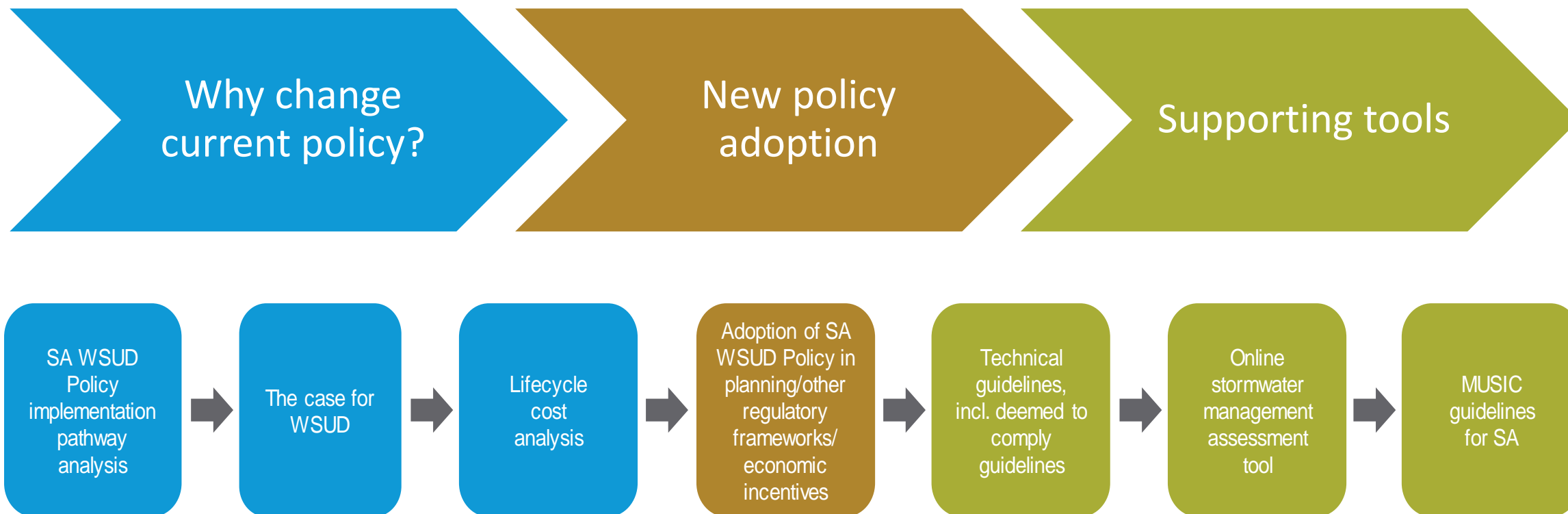


- WSUD policy development and implementation pathways
- networking opportunities and peer-to-peer learning on strategic, policy and technical matters
- specialist training to address key knowledge and skills gaps
- more accessible WSUD research for practitioners
- resource development, including guidelines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





# Bringing about change...



# Priority Projects

Project	Scale at which project could be addressed (national or state)
Project 1: Case for WSUD – cost benefit analysis tool and its application to case studies	National/ international
Project 2: life cycle costing analysis, for a suite of development and WSUD infrastructure scenarios with application to case studies	National
Project 3: Deemed to comply guideline – urban design code	State
Project 4: Online assessment tool for stormwater management for simple/small-scale developments	State
Project 5: MUSIC (stormwater quality model) Guidelines for SA	National with state refinements
Project 6: Technical guidelines review and update/adapt – SA and interstate	National with state refinements



Photo: M. Dobbie

# Training and Seminars 2015-16



Date		Training/ seminar	Topic
Jul	2015	Training	Introduction to biofiltration rain garden guidelines
Aug	2015	Training	Detailed design of biofiltration systems
Sep	2015	Training	Introduction to WSUD for policy planners and development assessment planners and engineers (V) <sup>1</sup>
Oct	2015	Training	Detailed design of wetlands
Nov	2015	Seminar	WSUD and micro climate benefits – theory and practice (V)
Feb	2016	Training	Detailed design of WSUD elements for landscape architects and urban designers
Mar	2016	Seminar	Better understand the direct and in-direct costs and benefits of WSUD (V)
Apr	2016	Seminar	Managed aquifer recharge scheme – the challenges and remedies
May	2016	Training	Leadership to advance water sensitive urban design
Jun	2016	Seminar	Infill development – the opportunities for WSUD to enhance liveability, sustainability and resilience (V)

# Training and Seminars 2016-17



Date		Training/ seminar	Topic
July	2016	Training	Detailed design of harvesting systems and associated monitoring (V)
Aug	2016	Seminar	Getting balance back into the urban water cycle - Street scale infiltration solutions (V)
Sep	2016	Seminar	Plant species selection in WSUD infrastructure for pollutant removal and amenity, suited to SA conditions (V)
Oct	2016	Training	Detailed design of infiltration systems
Nov	2016	Seminar	Reserved for emerging research – adoption pathway
Feb	2017	Seminar	Reserved for emerging research – adoption pathway
May	2017	Training	Interpretation and application of deemed to comply code and on-line stormwater assessment tool (V)
Jun	2017	Training	MUSIC Guidelines (interpretation and application) (V)



# Advocacy



- Water for Liveability Campaign
- Development industry - involvement and collaboration where possible.
- Support DEWNR initiatives to seek policy change
- Seek local government CEOs and Mayors Group support for SA WSUD Policy adoption





Water Sensitive SA, in collaboration with our partners, is working with government and industry to support greater uptake of water sensitive urban design, to enhance liveability of our communities.

[Learn More](#)

Water Sensitive SA has identified the need for capacity building to improve the adoption of water sensitive urban design (WSUD) in South Australia. It is currently establishing a capacity building program for various sectors of the industry.

## LIVEABLE WATER SENSITIVE COMMUNITIES

### Latest News

Water Sensitive SA steering committee  
28 March 2015

SA planning reforms - what are the opportunities for WSUD?  
28 March 2015

[Subscribe to our newsletter](#)

[Participate in our forums](#)


### Blog Articles



Water Sensitive Cities Assessment Tool

16 February 2015

The question was asked at the recent Water Sensitive SA launch, 'How do we know when we have become a water sensitive city?' [Read More...](#)

### Upcoming Events

12 MAY Ozwater '15  
12 MAY - 8.00pm to 14 MAY - 4.00pm

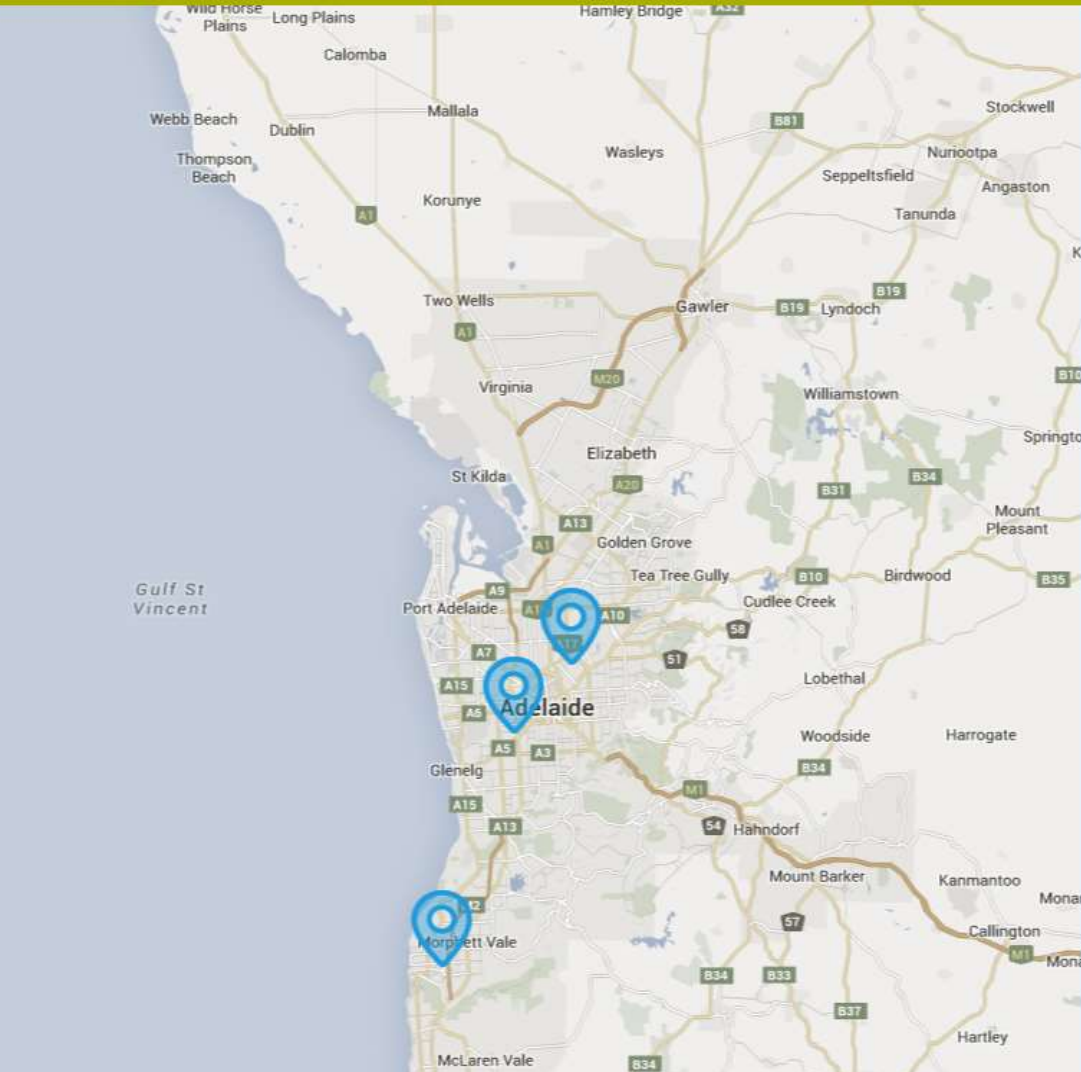
09 APR Tour of Oaklands Park wetland and ASR scheme  
09 APRIL - 4.00pm to 5.00pm

13 APR WSUD capacity building and planning policy - can we have one without the other?  
13 MARCH - 11.00am to 12.30pm

03 APR MUSIC Fundamentals & Refresher courses  
01 MARCH - 9.00am to 04 MARCH - 5.00pm

## Information Sharing Hub:

- Water for Liveability Campaign
- E-newsletter
- Make research more accessible – blog articles
- Forums
- Training and Events



## Case Studies

The drivers behind any WSUD project may range from a need to drought proof a community to provide water for recreational open space to protecting marine water quality to enhance coastal tourism opportunities. The solutions (referred to as WSUD element type) to these challenges may vary depending on these objectives, unique site constraints and available budget.

Water Sensitive SA has developed an interactive map that enables SA WSUD projects to be filtered

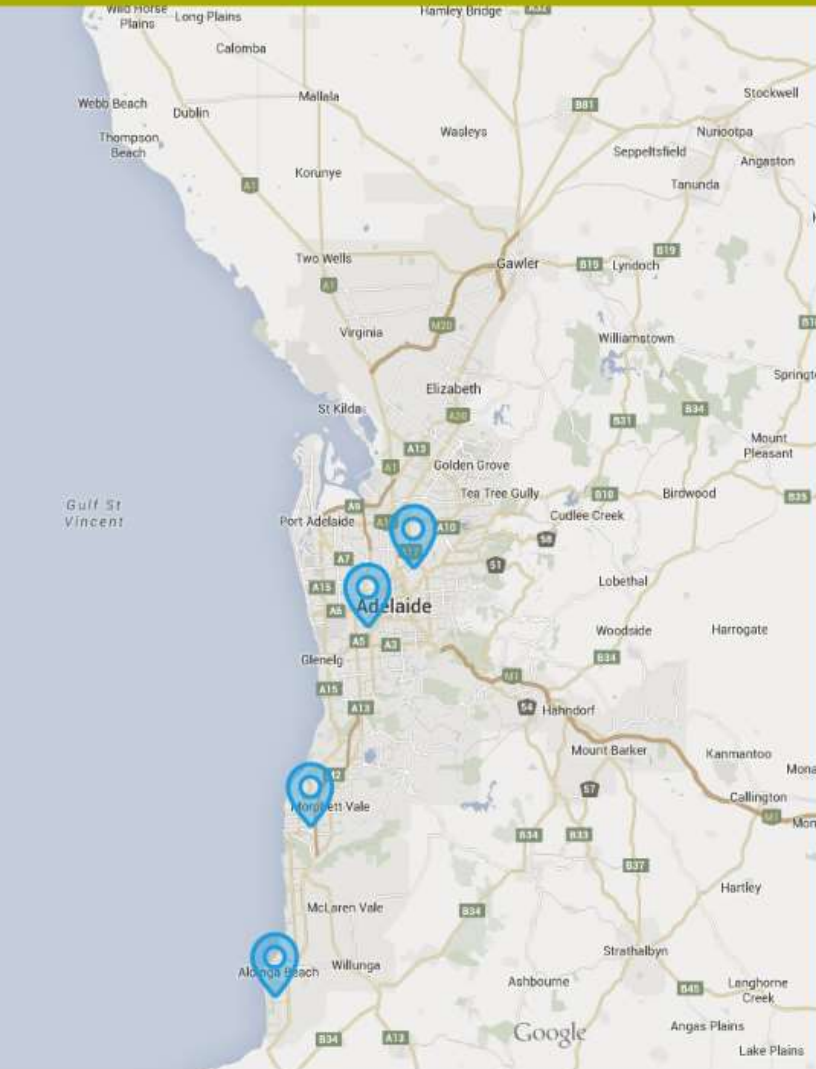






# Case Studies – Interactive Map





## Case Studies

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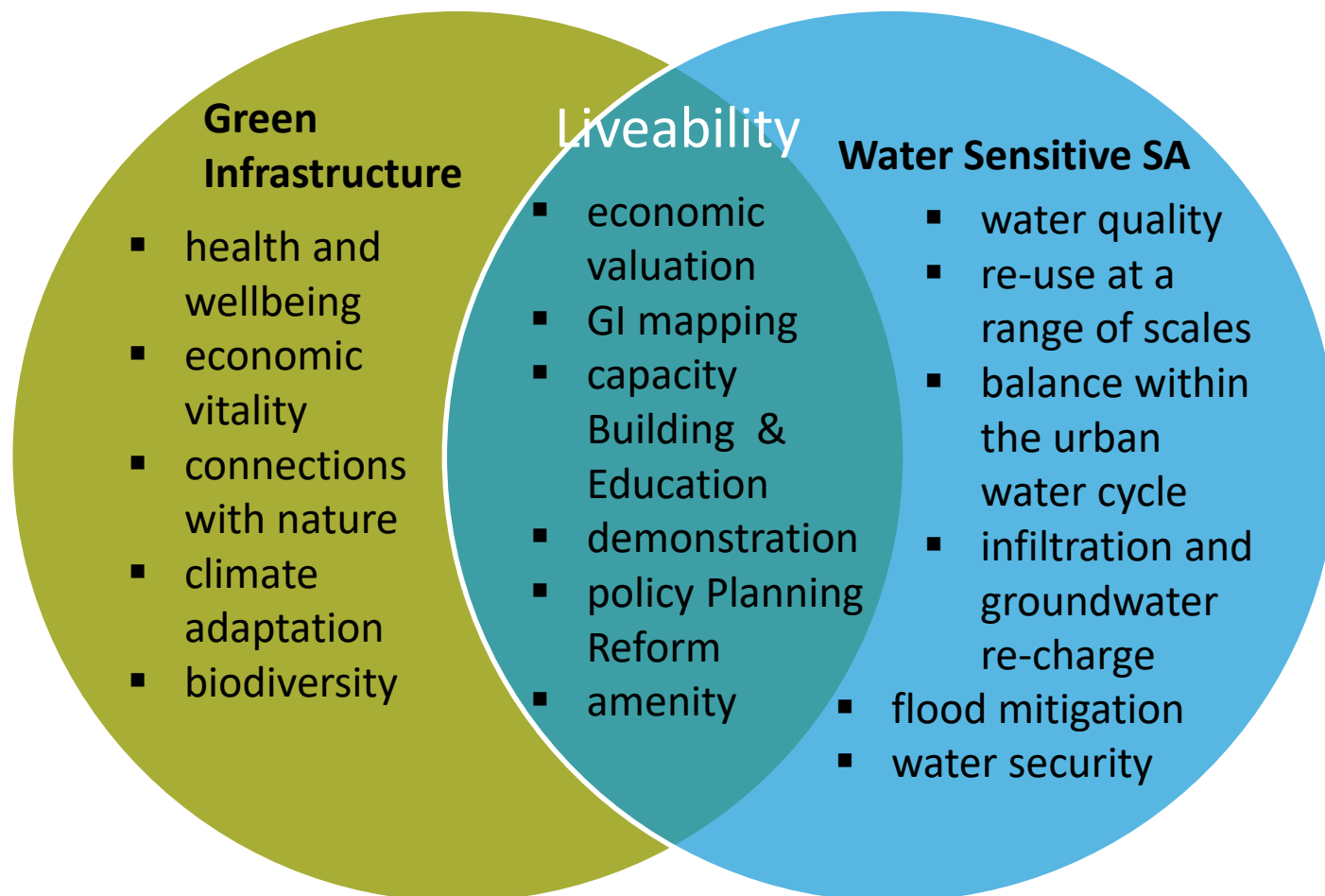
Water Sensitive SA has developed an interactive map that enables SA WSUD projects to be filtered

### WSUD Type

- |  |   |
|--|---|
| <input checked="" type="checkbox"/> ASR        | <input checked="" type="checkbox"/> Biofiltration |
| <input type="checkbox"/> Bioretention          | <input type="checkbox"/> Communal tank            |
| <input type="checkbox"/> CWMS                  | <input type="checkbox"/> Detention basin          |
| <input type="checkbox"/> Extraction            | <input type="checkbox"/> Flow                     |
| <input type="checkbox"/> Green roof            | <input type="checkbox"/> Harvest                  |
| <input type="checkbox"/> Infiltration          | <input type="checkbox"/> Infiltration trench      |
| <input type="checkbox"/> Permeable pavement    | <input type="checkbox"/> Rainwater harvest        |
| <input type="checkbox"/> Rainwater tanks       | <input type="checkbox"/> Reuse                    |
| <input type="checkbox"/> Stormwater harvesting | <input type="checkbox"/> Swale                    |
| <input type="checkbox"/> Tanks                 | <input type="checkbox"/> Treatment ponds          |
| <input type="checkbox"/> Wastewater reuse      | <input type="checkbox"/> Wetland                  |

# Case Studies – Interactive Map

# Collaboration Opportunities







[www.watersensitivesa.com](http://www.watersensitivesa.com)

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