



centre for water sensitive cities

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## Cities as Water Supply Catchments Research Program

### Project 8: Integration and Demonstration through Urban Design

Project Leader: Ross Allen and Leanne Hodyl

#### Key Researchers:

- Professor Tony Wong
- Dr. Peter Breen
- Urban Designer (to be nominated)
- Landscape Designer (to be nominated)

#### Aims of the Project:

This project aims to demonstrate the application of storm water harvesting systems at three scales (allotment, streetscape, and neighbourhood/precinct) and the integration of these systems into the urban form. It also aims to deliver an integrated software tool for design and evaluation of storm water harvesting solutions through collaboration with the other research projects, and to facilitate integration of the research projects and knowledge sharing amongst program partners.

#### Project Objectives - 1 February 2010 to 30 June 2011:

The objectives of the project over the next 18 months are to prepare a literature review of current practice on storm water integration into urban design, to support the formulation and integration of core research questions across the research program and to facilitate industry partner involvement through quarterly workshops.



## Key Activities:

One of the first project tasks involves the gathering of information on existing examples of storm water integrated into urban design. This will enable the preparation of contextual information to support the detailed literature reviews to be undertaken by the other projects.

Another is to develop the nomination and selection criteria for potential allotment and streetscape demonstration projects. Planning and organising the quarterly program partner workshops, and the quarterly research partner workshops is an important ongoing activity for this project.

Key activities over the next 18 months include:-

1. Deliver four (program partner) future cities envisioning workshops;
2. Deliver four research partner workshops to facilitate collaboration between the research programs and the integration of research activities and outcomes;
3. Develop the nomination and selection criteria for demonstration projects;
4. Commence at least one demonstration project (VicUrban Officer Project) and facilitate the monitoring of its performance. It is anticipated that additional demonstration projects at the allotment and streetscale will also be initiated.

## Key Deliverables:

This project will deliver four future cities envisioning workshops and four research partner workshops.

The first future cities envisioning workshop was held on 1-2 February 2010 in Melbourne, with the second (to be held in Adelaide) nominally scheduled for 3-4 June 2010 (to be confirmed).

The first research partner workshop was scheduled for 12 March 2010.



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## Integration of Scientific Efforts:

Project 8 provides the framework for integration of the seven fundamental research activities of the program at two levels:

1. The integrated development and refinement of research perspectives in formulating core research questions; and
2. The integration of the research insights through the design and implementation of ecological landscape and urban design demonstration projects at a range of scales.