The Cooperative Research Centre for Water Sensitive Cities presents

Novel decision-making tools for planners and designers

engaged with creating water sensitive cities

Program

9:00 am	Welcome
9:10 - 10:10 am	Keynote presentations : DAnCE4Water – a strategic planning tool that simulates to support decision making that considers urban form and water infrastructure along with other socio-economic considerations under a variety of climate change and population growth, and societal change scenarios Urban Metabolism Framework – a framework that can be employed to evaluate regional water budgets across multiple landscape types aimed at ensuring regional water security incorporating climate science. The Water Sensitive City Modelling Toolkit – a numerical model that quantifies the bio-physical performance of green infrastructure scenarios for stormwater management and urban greening. The Toolkit incorporates a suite of independent but connected modules (tools) which can assess the impact of green infrastructure type, scale, extent and arrangement on stream health, urban microclimate, water supply augmentation and minor flood mitigation.
10:10 - 11:00 am	Panel discussion and Q & A session

Date Friday 19 June, 2015

Location Mercure Brisbane, Leichhardt Room 3,
Level 2, 85-87 North Quay, Brisbane, QLD

About the event

The Cooperative Research Centre for Water Sensitive Cities (CRCWSC) has been working with its partners from government and private industry to develop novel scenario assessment and decision support tools that help to address the complexity of managing water in a world faced with increasing population growth and changing land uses patterns; increasing climate variability; and a tightening economic environment.

This seminar and panel discussion has been designed to share and discuss three of these tools with practitioners involved in land use and growth planning, infrastructure planning and design, integrated water management planning.

Speakers

Dr Christian Urich is a Research Fellow with Monash University's Department Civil Engineering, exploring the dynamics of integrated urban systems and their linkages between the city, its water infrastructure and socio-economic systems. His research focuses on how these dynamics and feedbacks can be modelled in an integrated way to explore scenarios for sustainable and robust adaptation strategies. Christian is part of the CRCWSC team developing an integrated platform and database for socio-technical modelling to support collaboration and decision-making.

Dr Steven Kenway is Research Group Leader, Water-Energy-Carbon at the University of Queensland. Steven's work is focused on the urban water cycle and related environmental management. His research areas include energy and greenhouse gas emissions, urban metabolism, and sustainability analysis, management and reporting. Steven is a researcher on the CRCWSC project on "Catchment-scale landscape planning for water sensitive city-regions in an age of climate change"

Ross Allen is Project Leader for the CRCWSC project on "Learning through Integration and Demonstration". Ross facilitates the synthesis, adaptation and implementation of knowledge generated by our thought leaders at the CRCWSC . His activities focus on water-management and green-infrastructure initiatives that respond to local context, enhance urban places and support the wellbeing of urban communities.

CRC for Water Sensitive Cities

Australian Government Department of Industry and Science | Business Cooperative Research Centres Programme