

## Welcome







### Response to drought in South Australia: A case study in adaptive management

#### Introduction to today's workshop

Richard Hopkins 7 December 2011







#### Satisfying the thirst of/for tomorrow's leaders

Established late 2004

Launched Aug 2005

Support by Government



Consortium

Facilitator and broker

Education, Training & Research in Water







# **Founding Shareholders**



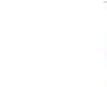




















# **ICE WaRM** activities

### • Education

Award programmes

### • Training

Short courses, study tours, vocational and in-service

#### Research

Collaborative research programmes

all in Water Management



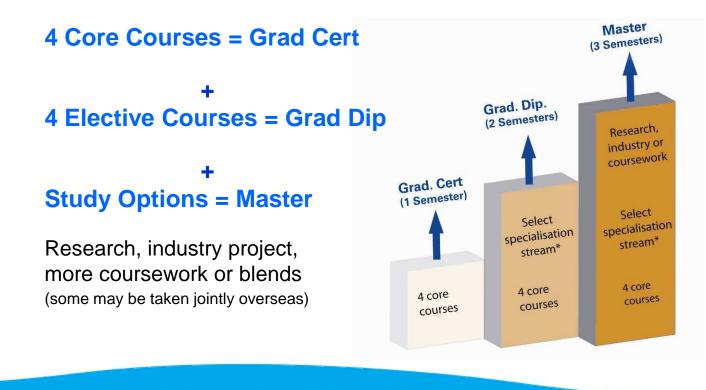


### **Education Excellence**



Master of Water Resources Management

Three semester programme structure:





### Training



#### Refresh and Grow

ICE WaRM provides award and non-award **short courses** (intensive, with or without assessment)

#### • Integrate and Innovate

ICE WaRM hosts seminars and technical study tours tailored to suit individual and institution needs, and as part of long-term capacity development

#### • Practice

ICE WaRM arranges industry placements and practical application of knowledge and skills



### Research



#### Collaboration

ICE WaRM facilitates collaboration to combine capabilities for increased outlook and improved outcomes of water-related research

#### • Network

ICE WaRM creates and sustains trans-boundary connections between disciplines, individuals and partner institutions, nationally and internationally

#### • Coordination

ICE WaRM provides a framework for coordinated programmes and effective multi-way linkages between research partners and activities

# **International Liaison**



ICE WaRM supports it's vision to be nationally and internationally recognised as a centre for leadership and innovation in water management through:

- an International Visits and Exchange programme
- an International Scholarship programme
- an EU-AU student exchange programme

Check the ICE WaRM website for details www.icewarm.com.au



### **Living Laboratories**

Research in **real time** on **real problems** at **real scale** 



**Government of South Australia** 



Department for Water



- From 2007, joint initiative of DWLBC and ICE WaRM
- Use large scale programmes as 'Living Laboratories', to:
- generate and document innovations and lessons learned
- benefit researchers and water managers, from policy to implementation
- build the evidence base to inform policy development and implementation



Government of South Australia





- Why are we interested in the response of South Australia to the recent drought? Why is it important?
  - The drought resulted in one of the largest ever whole of government responses to an NRM issue in South Australian history, making it a significant Living Laboratories opportunity
  - Provides an opportunity to review an adaptive management approach on a large scale; the lessons learned will be particularly valuable given future predictions of increased frequency and severity of drought due to climate change
  - The response to the drought is of significant international interest; this workshop provides an opportunity to better understand common learnings from across government and research communities, and communicate the messages more widely



# Goals of the workshop



- 1. Identify common learnings from across organisations and keys to successful collaboration in responding to drought
- 2. Determine effective means for Government to engage with the community during periods of high, collective community stress
- 3. Identify outstanding high priorities for new research and/or policy to help respond to drought or equivalent natural resource stresses in the future
- 4. Record and publish the lessons learned that may be of interest to other public administrators in Australia and overseas.



# Limitations



- Time limitations of a one-day workshop (perhaps the first step of a longer journey)
- Focus on experiences in South Australia (rather than interstate and overseas)
- Reflect on raw experiences to extract general and specific lessons learned
- Acknowledge that the next drought will unfold differently, but help us read the signs



# www.icewarm.com.au