



## ICE WaRM Seminar Series

ICE WaRM Presents a free short seminar

# Improving California's Water Supply Reliability through Portfolio Management

The International Centre of Excellence in Water Resources Management (ICE WaRM) is proud to host Chief Hydrologist (Water Accounting), Bureau of Meteorology, Dr Renée Kidson to present a free short seminar.

This seminar presents an independent analysis of the reliability of California's water supply.

California's water geography has the majority of the State's precipitation falling in the north (Sierra Nevada Mountains), but there is growing population centres in the south (Los Angeles and San Diego).

Long-distance canal conveyance has been the historical solution to this dilemma, but population growth and climate change are severely straining natural sources.

In planning for California's water future (2020 and beyond), diversification of supply sources is an essential strategy to reduce reliance on climate-dependent sources.

Groundwater, desalination, recycling and conservation are all slices of the water portfolio pie. But how big should each slice be?

This research applies Portfolio Theory (from the realm of finance and economics) to California's water resource situation, showing how this approach can aid decision-making in the water sector.

The reliability implications of different water portfolios are closely examined, and the tradeoffs involved in securing a diversified, reliable water supply are considered.

Both the approach and the findings are relevant to Australian cities and towns facing their own water future.

This seminar is based on Dr Renée Kidson's recent ICE WaRM-sponsored Visits and Exchange Programme at the University of California, Santa Cruz, and has been presented at Berkeley and Cambridge.

**When:** Tuesday 26th May 2009  
4:00-5:15 pm

**Where:** Electus  
37 Angas St (upstairs)  
Adelaide, SA

**Registration is essential.**  
Please RSVP to Debro Thaw:  
E: [dthaw@icewarm.com.au](mailto:dthaw@icewarm.com.au)  
Ph: 8236 5200



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Dr Renée Kidson is Chief Hydrologist (Water Accounting) at the Bureau of Meteorology.

She completed her PhD in hydrology at Trinity College Cambridge.

In Australia, Renée has worked in both the rural and the urban water sectors, including technical, regulatory and management roles.

In her current role, Renée is part of a team developing the first National Water Account for Australia.

Renée is soon to complete her Master of Economics (Honours) degree, and has a special interest in the hydrology/economics interface.

Renée recently undertook a 3-month fellowship at the University of California, sponsored by ICE WaRM through the Visits and Exchanges Programme.

### SEMINAR SCHEDULE

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4:00pm	ICE WaRM Introduction
4:05 pm-4:45 pm	“Improving California’s Water Supply Reliability through Portfolio Management” Dr Renée Kidson, Bureau of Meteorology
4:45 pm-5.15 pm	<b>Refreshments will be provided following the seminar</b>

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