

# DAMS IN A CHANGING WORLD

Overcoming the social, political and environmental challenges of owning, maintaining and managing dams.



## HAVE YOU HEARD ABOUT THE ANCOLD 2014 ENVIRONMENTAL WORKSHOP?

**20 OCTOBER**

**09:00 – 17:00**

The Environmental Workshop will draw upon the recently released 'Regulation and Practice for the Environmental Management of Dams in Australia'. This workshop seeks to raise awareness on a range of environmental issues that practitioners need to consider at the various stages of planning, constructing, operating and decommissioning. The workshop will include presentation from Stuart Macnish, the chair of the working group that developed the publication, Case studies from around Australia, including on fish passage and a panel discussion on the Guidelines.

### WHO SHOULD ATTEND?

This workshop will be relevant for environmental consultants, managers, owners, engineers, scientists and dam practitioners, no matter how long or how little time they have worked in the industry.

For more information or to find out more about ANCOLD please visit [ancoldconference.com.au/2014/](http://ancoldconference.com.au/2014/)



# KEYNOTE SPEAKERS



## Stuart Macnish

### Principal Environmental Scientist

Stuart has more than 45 years' experience working with the environmental aspects of dams and other major infrastructure projects since commencing with the Ord River Dam in 1968. He has a background in natural resource assessment, soils, irrigation and environmental impact assessment, with specialist expertise in fluvial geomorphology and an ability to integrate multidisciplinary scientific and technical inputs to achieve sustainable project outcomes. He has worked throughout much of Australia and South East Asia on a wide range of water projects and has led three international conferences on land management in the Tropics. Stuart was the Convenor of the committee that produced the current Guidelines.

## Saint Rooks

Saint Rooks coordinates environmental impact assessment and mitigation advice regarding dam construction and water allocation proposals for the Assessment Committee for Dam Construction and officers of the Department of Primary Industries, Parks, Water and Environment in Tasmania. Saint also develops water management policies for Ministerial or Departmental consideration and adoption, and project manages their implementation. He is currently busily involved in the development of a number of water policy reforms to progress the recently elected Tasmanian Government's strategic directions and priorities. Saint received a Bachelor of Science from the University of Georgia and Graduate Diplomas in both Environmental Planning and Public Policy from the University of Tasmania. Saint resides with his family in Hobart Tasmania, and can often be found enjoying one of Tasmania's beautiful bushwalks or playing in a community band with his two sons.

## Barton Maher

Barton Maher Seqwater's Principal for Storage Planning responsible for the development of the capital upgrade program for the 26 referable dams and 50 weirs owned by Seqwater. He has 12 years of dam design experience with the Dams & Civil Section of NSW Public Works and over 8 years' experience working within operations and planning for Seqwater. He has been involved as the Seqwater project manager and technical reviewer

for several major dam projects including Hinze Dam Stage 3, Wyaralong Dam, Cedar Grove Weir, Bromelton Off Stream Storage and the Lake Manchester Flood Capacity Upgrade. Prior to commencing with Seqwater he was the design manager for the \$70million Wivenhoe Dam Flood Capacity Upgrade.

## Malcolm Hughes

Malcolm Hughes joined the Sydney Catchment Authority in 2000 and currently occupies the position of Senior Manager Planning & Environment. He has qualifications in natural resource management and town planning. He has been working in catchment management since 1988. Malcolm was a member of the Committee that produced these environmental Guidelines.

## Fishway Speakers

Martin Mallen Cooper  
Ivor Stuart  
Heath Robinson  
Tim Marsden  
Steven Slarke  
Andrew Berghuis  
Karl Pomorin

## PANEL MEMBERS

### Neil Blaikie

Neil has 40 years national and international experience in the management of major infrastructure assets, predominantly in Hydro Electric power generation. Neil has held several senior engineering positions in Hydro Tasmania including Principal Civil Engineer, Dam Safety Manager and Principal Engineer – Asset Management. Neil has contributed to ANCOLD through his roles on the Executive, including as Chairman. Neil was a co-author of ANCOLD's Guidelines on Dam Safety Management and is a member of the ICOLD Operations, Maintenance and Rehabilitation Technical Committee. Neil is a Fellow of the Institution of Engineers Australia, and a member of the Tasmanian regulatory committee for the approval of dam works.

## David Dreverman

David Dreverman is the Executive Director, River Murray Murray-Darling Basin Authority. He provides strategic direction and leadership for a large scale water management program and for an asset management program for dams and related assets within the basin. David has expertise in managing a consulting engineering organisation including both corporate and project administration for a range of power and water sector projects. His role also includes commercial planning and management, construction contract administration, development of systems to support operation and maintenance and the civil design of dams, weirs, hydropower stations and associated structures. David has worked extensively in Australia, Indonesia, Malaysia, China, New Zealand and Fiji.

## Graeme Hannan

Graeme Hannan has 19 years of experience in all aspects of water resource management at Goulburn-Murray Water. This includes storage and river operations and modelling, water policy and entitlement development and implementation, and natural resource management. In his present role as General Manager Catchment Services, he is responsible for the provision of the wholesale water supply business including the management of G-MW's dams, water resources and natural resource management functions and coordination of these activities with the Murray Darling Basin Authority. Prior to his appointment at G-MW, he had 16 years' experience as a consulting engineer in the water sector in Australia and overseas.

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