

# Contributors

## **Dr Onil Banerjee**

Onil is a Postdoctoral Fellow with CSIRO's Natural Resource Economics and Decision Science Group. His research interests include economy-wide natural-resource policy modelling and development.

## **Dr Rosalind Bark**

Rosalind is a resource/ecological economist with CSIRO Ecosystem Sciences working to synthesise socioeconomic research in policy analysis.

## **Henning Bjornlund**

Henning Bjornlund holds two academic positions: at Canada Research Water Policy and Management at the University of Lethbridge, Alberta, and as an Associate Research Professor at the University of South Australia. He has researched water-management and policy issues in Australia since 1993 and in Canada since 2005.

## **Leith Bouilly**

Leith Bouilly and her family operate a grazing, dryland farming and irrigation property near Dirranbandi in Queensland. She is an Adjunct Professor with the School of Agriculture and Food Science at the University of Queensland and has had a long involvement in water-resource management at the local, State and national levels, including as Chairwoman of the Community Advisory Committee to the Murray–Darling Basin Ministerial Council from 1999 to 2005 and as a founding member of the Wentworth Group of Concerned Scientists.

## **Dr Donna Brennan**

Donna was an independent consultant and held an adjunct Senior Lecturer position at the School of Agriculture and Resource Economics, University of Western Australia, as well as an honorary position at the Crawford School of Economics and Government at The Australian National University. Previously she has worked at the Australian Bureau of Agricultural and Resource Economics, the University of Sydney, the Australian Centre for International Agricultural Research and CSIRO Land and Water. Her research focused on water-resource management, particularly in the Murray–Darling Basin. She passed away in 2010.

### **Dr Neil Byron**

Dr Neil Byron is Adjunct Professor in Environmental Economics at The Australian National University's Crawford School of Economics and Government. Previously, he was Commissioner responsible for environmental, agricultural and natural-resource management issues in the Productivity Commission from 1998 to 2010; director of ANU's graduate program in Environmental Management and Development; and Assistant Director-General of the Centre for International Forestry Research in Indonesia.

### **Dr Jeremy Cheesman**

Jeremy Cheesman is a Principal Economist at Marsden Jacob Associates, where he specialises in resource and environmental economics and policy. He obtained his PhD from the Crawford School, ANU. He has published widely in the areas of applied water, environmental and agricultural economics, including professional peer-reviewed journal papers, book chapters, technical reports, and conference papers.

### **Dr Daniel Connell**

Daniel is in the Crawford School of Economics and Government at ANU. He published *Water Politics in the Murray–Darling Basin* in 2007 and now researches water-management institutions and their response to climate variability in the federal political systems of Australia, South Africa, the United States, Europe, India and China.

### **Dr Jeffery Connor**

Jeff is a natural-resource economist in the CSIRO's Ecosystem Sciences, Social and Economic Science Group, who specialises in water-resource economics. He has worked and published extensively in Murray–Darling Basin water allocation and salinity economics and policy.

### **Dr Katherine Daniell**

Katherine Daniell is a Research Fellow in the Centre for Policy Innovation at the ANU. Her research interests include water governance, participatory risk management, climate-change adaptation and multi-level decision-aiding processes. Katherine has received a number of awards and honours for her work including a General Sir John Monash Award and being elected as a Fellow of the Peter Cullen Water and Environment Trust.

### **Ray Evans**

Ray Evans is a Principal Hydrogeologist at Sinclair Knight Merz. He has more than 35 years' experience in Australian hydrogeology and environmental geoscience. He has worked across all hydrogeological environments in Australia, and has been heavily involved in groundwater and salinity issues in the Murray–Darling Basin for the past 27 years. His experience ranges across the hydrogeology of regional aquifer systems and sustainable yield determinations.

### **Professor Max Finlayson**

Max is the Director of the Institute of Land, Water and Society, Charles Sturt University, and a wetland ecologist with a strong interest in wetland management and communication. He is a past chair of the international Ramsar Wetland Convention's Scientific and Technical Review panel and continues to be involved with its work on wetlands and agriculture.

### **Professor Douglas Fisher**

Douglas teaches and researches environmental and natural-resources law in the School of Law, Queensland University of Technology. His publications include *Australian Environmental Law* (2003), *Water Law* (2000), *Australian Environmental Law: Norms, Principles and Rules* (2010) and an international comparative analysis, *The Law and Governance of Water Resources: The Challenge of Sustainability* (2009).

### **Dr Dustin Garrick**

Dr Garrick is a geographer based in Adelaide, South Australia, as a Fulbright Scholar in the CSIRO's Water for a Healthy Country Flagship and Centre for Regulation and Market Analysis, School of Commerce at the University of South Australia. As of June 2011, he is Postdoctoral Fellow of Water Security at the University of Oxford, with a focus on the design and performance of governance arrangements for trans-boundary rivers in Australia and the western United States.

### **Professor R. Quentin Grafton**

Quentin is Professor of Economics and Director of the Centre for Water Economics, Environment and Policy (CWEEP) at the Crawford School of Economics and Government, ANU. He was Chair of the Socio-Economic Reference Panel of the Murray–Darling Basin Commission, 2008–09. In April 2010, he was appointed to hold the UNESCO Chair in Water Economics and Trans-Boundary Water Governance.

### **Dr Catherine Gross**

Catherine is a Visiting Fellow at the Fenner School of Environment and Society, ANU, with research interests in climate-change adaptation and fairness and justice in environmental decision making.

### **Mark Hamstead**

Mark Hamstead is a Water Policy Consultant with Hamstead Consulting Proprietary Limited. He has 25 years' experience in water-resource management, largely in government. He prepared State-wide guidelines for water planning and water trading in New South Wales and contributed to the development of several statutory water-sharing plans. Since leaving the NSW Government in 2005, Mark has been providing advice on water policy and planning to State and national government agencies.

### **Dr Glenn Harrington**

Dr Glenn Harrington is a Principal Research Scientist with CSIRO Land and Water based in Adelaide. He has more than 15 years' experience in the groundwater industry, having worked for both government and the private sector in Australia, and in academia in Canada.

### **Dr Darla Hatton MacDonald**

Darla is an environmental economist at CSIRO Ecosystem Sciences working on market-based instruments, institutional arrangements and non-market valuation problems in the area of water as part of the Water for a Healthy Country Research Flagship.

### **Professor Ray Ison**

Ray works in Geography and Environmental Science and the Monash Sustainability Institute (Uniwater), Monash University. His research spans the biophysical and social disciplines (including organisations and institutions) and has been primarily interdisciplinary and collaborative in nature. His recent work includes research on 'social learning' and the implementation of the European Union's Water Framework Directive.

### **Dr Sue Jackson**

Sue Jackson is a geographer with CSIRO's Division of Ecosystem Sciences. She has more than 15 years' experience researching the social dimensions of natural-resource management. She has conducted many consultancies for Aboriginal representative bodies in environmental and native-title policy arenas in the Northern Territory and the Kimberley, Western Australia. Her current research

focus is Indigenous values associated with water and Indigenous participation in water-resource management. She is a research advisor to the Indigenous Water Policy Group formed by the North Australian Indigenous Land and Sea Management Alliance and a Research Associate at the Centre for Water Economics, Environment and Policy, ANU.

### **Qiang Jiang**

Qiang Jiang has been a PhD student at The Australian National University since 2007. His thesis is about water management in the Murray–Darling Basin. Qiang has an interdisciplinary background with a Bachelor of Economics from Guangxi University, Master of Business Information Systems from the University of Wollongong, and three years' work experience with the Land and Water division of CSIRO.

### **Professor Jennifer McKay**

Professor McKay is the inaugural director of the supported research centre — the Centre for Comparative Water Policies and Laws at the University of South Australia in Adelaide. She conducts socio legal research in Australia, USA, India, the Middle East and Spain. She was awarded a senior Fulbright fellow at UC Berkeley and has awards from the Australian Water Association.

### **Karlene Maywald**

The Hon. Karlene Maywald has extensive experience in water politics. Karlene is a former Minister for the River Murray in the South Australian Government. She experienced first hand the tensions involved in the debate about how to implement environmentally sustainable river management when she was a National Party MP and a minister in the SA Labor Government (until March 2010).

### **Professor Chris Miller**

Chris Miller is a professor in social work and social planning in the School of Social and Policy Studies, Flinders University. He has more than 35 years' experience in community development and social policy. He recently led a team of researchers that worked with six communities in the Murray–Darling Basin to assess the impacts of climate change.

### **Professor Mark Morrison**

Mark is Associate Director of the Institute for Land, Water and Society at Charles Sturt University. Mark's current areas of research focus include non-market valuation of riverine resources, encouraging landholder participation in agro-environmental programs, climate-change communications and developing Indigenous businesses.

### **Dr Martin Mulligan**

Dr Martin Mulligan is the Director of the Globalism Research Centre at RMIT University in Melbourne. He has a background in both environmental sociology and community development, and taught in the Social Ecology program at the University of Western Sydney before joining the Globalism Research Centre at RMIT. He has written extensively on the changing nature of community in the contemporary world and has a particular interest in ways of engaging the community in thinking about the future challenges of climate change. His books include *Ecological Pioneers: A social history of Australian ecological thought and action* (with Stuart Hill, 2001) and *Decolonizing Nature: Strategies for conservation in a post-colonial era* (with William Adams, 2006).

### **Professor Richard Norris**

Richard is the Professor of Freshwater Ecology at the University of Canberra, and works on the biological assessment of rivers, including metal and coalmine effluents, heated water, agricultural effects, sewage effluents, siltation, environmental flows and predictive modelling. He played a central role developing Australia's National River Health Program and led the teams that undertook the Assessment of River Condition component of the first National Land and Water Resources Audit (2000) and the Snapshot of the Murray–Darling Basin River Condition (2001).

### **Dr Jamie Pittock**

Jamie Pittock is at The Australian National University. He has a background in zoology and geography from Monash University, Melbourne, and, from 1989, he worked for various non-governmental environmental organisations. Jamie was Director of the Worldwide Fund for Nature (WWF) Global Freshwater Programme from 2001 to 2007, promoting sustainable river-basin management and representing WWF in international institutions. His research considers how our societies under climate change can better manage increasingly scarce and variable water resources to benefit people and nature.

### **Professor John Quiggin**

John is an Australian Research Council Federation Fellow in Economics and Political Science at the University of Queensland. He is prominent both as a research economist and as a commentator on Australian economic policy. He has published more than 1000 research articles, books and reports on topics such as unemployment policy, microeconomic reform, privatisation, competitive tendering and sustainable management of the Murray–Darling system.

### **Stuart Richardson**

Stuart Richardson is a groundwater specialist currently employed by Sinclair Knight Merz. He has 20 years of experience in salinity and groundwater management. Much of his work over the past several years has related to bringing sound science to the community and policy makers.

### **Dr Nick Schofield**

Dr Nick Schofield is a Senior Executive Consultant with Sinclair Knight Merz specialising in water, climate change and natural-resource management, including strategic planning and futures. Nick was formerly Science Manager for Land & Water Australia.

### **Åsa Wahlquist**

Åsa Wahlquist has been a rural journalist since 1984. She has a degree in Agricultural Science from the University of Adelaide. She has worked on ABC Radio's *Country Hour*, ABC TV's *Countrywide*, and as the rural writer for the *Sydney Morning Herald* and *The Australian*. She has won a dozen journalism awards, including a Walkley Award in 1996; the Australian Government Peter Hunt Eureka Prize for Environmental Journalism in 2005; and the European Community Journalist Award in 1994. She is the author *Thirsty Country* (2008).

### **Dr Philip Wallis**

Philip is a Research Fellow at the Monash Sustainability Institute (Uniwater), Monash University, and a Fellow of the Peter Cullen Trust. He engages in collaborative, interdisciplinary research on social and ecological aspects of water and water governance.

### **Dr Jessica Weir**

Jessica is the author of *Murray River Country: An Ecological Dialogue with Traditional Owners* (2009). Jessica's research focus is on the cultural dimensions of environmental issues, as well as the governance of native-title lands and waters in south-eastern Australia and the Kimberley. She works as a research fellow at the Australian Institute of Aboriginal and Torres Strait Islander Studies.

### **Dr Sarah Wheeler**

Sarah Wheeler is a Senior Research Fellow of the Centre for Regulation and Market Analysis at the University of South Australia. Prior to graduating with her PhD in 2007, she worked in a variety of international and national organisations as a natural-resource economist and has published widely in the fields of organic farming, water markets, crime and gambling. She is currently the

chief investigator of a large Australian Research Council linkage project on water markets: 'Improving water market outcomes through a better understanding of market behaviour.'

### **Dr John Williams**

John is a founding member of the Wentworth Group of Concerned Scientists. He is one of Australia's most respected scientists, and has led the national debate about sustainable land management. Prior to joining the NSW Natural Resources Commission in 2006, he was Chief Scientist and Chair of the Department of Natural Resources Science and Information Board. He retired from CSIRO as Chief of Land and Water in 2004. In 2005, he was awarded the prestigious Farrer Memorial Medal for achievement and excellence in agricultural science. John is currently Adjunct Professor in Agriculture and Natural Resource Management at Charles Sturt University. He is also Director of John Williams Scientific Services Pty Ltd., which provides strategic advice and analysis in Agriculture and the Natural Resource Sciences.

### **Professor Mike Young**

Mike is the Executive Director of the Environment Institute at the University of Adelaide. He is one of the country's leading water-policy experts, with a particular focus on the Murray–Darling Basin. He has been awarded the Land & Water Australia Eureka Award for Water Research and a Centenary Medal for his contribution to environmental economics.