

Laureate Professor R. Quentin Grafton, FASSA GAICD

Education

Ph. D (Economics), University of British Columbia, Fields: Environment & Resources, Development, 1992.
M.S. (Agricultural Economics), Iowa State University, 1985.
B. Ag. Econ. (Agricultural Economics), Massey University, 1981.

Employment

Bureau of Resources and Energy Economics

Chief Economist and Executive Director (08/11-07/13)

The Australian National University, Crawford School of Public Policy

Australian Research Council Laureate Fellow (2020-2025)

Professor of Economics (E1 07/04-12/08; E2 12/08-)

Chairholder, UNESCO Chair in Water Economics and Transboundary Water Governance (04/10-)

Convenor, Water Justice Hub (10/19-)

Director, Executive Education (09/13-12/15)

Convenor, Geneva Actions on Human Water Security (07/17-)

Director, Food, Energy, Environment and Water Network (FE²W) (10/14-)

Executive Director, Australian National Institute of Public Policy (08/13-6/14)

Director, Centre for Water Economics, Environment and Policy (CWEEP) (10/09-)

Co-Chair, ANU Water Initiative (03/07-06/19)

Convenor, Master of Environmental & Resource Economics (MERE), Crawford School (05/05-06/11)

Research Director, Crawford School (11/05-09/08)

PhD Convenor, International Economics and Development, Crawford School (02/05-01/06)

The Australian National University, Centre for Resource and Environmental Studies

Senior Fellow (10/01-06/04)

University of Ottawa, Institute of the Environment

Director (10/99-09/01)

University of Ottawa, Department of Economics

Associate Professor (5/97-09/01)

Assistant Professor (7/92-5/97)

University of Otago, Department of Economics

William Evans Visiting Fellow (08/98-12/98)

Norwegian School of Economics and Business Administration (Bergen)

Visiting Scholar (05/93-07/93)

Canadian Department of Fisheries and Oceans, Pacific Region

Contract Economist (1/91-12/91)

Winrock International Institute for International Development

Agricultural Economist stationed in Haiti (10/86-12/87)

Iowa State University – Center for Agricultural and Rural Development

Pre-doctoral Research Associate (8/85-9/86)

New Zealand Dairy Board

Export Marketing officer (2/82-7/83)

**Selected
Honours &
Distinctions**

Commissioner and Lead Expert for the Global Commission on the Economics of Water (2022-2024)

Australian Laureate Fellow (2020-2025)

Distinguished Visiting Professor (2021-2023), Tsinghua University

Distinguished Fellow, Australasian Agricultural and Resource Economics Society (2020)

Member of the Board of Directors, International Centre for Biosaline Agriculture (2018-2020)

President, Australasian Agricultural and Resource Economics Society (2017-18)

Co-winner (with Robert Styles and Exmond DeCruz) of the Australian Psychological Society's Workplace Excellence Award for Performance and Capability Development (2018)

Associate Researcher, University of Bordeaux (2019-)

Adjunct Professor, National University of Singapore (2016-2018)

Visiting Scholar, Stanford University (2018)

Fellow of the Academy of the Social Sciences in Australia (2013-)

Visiting Research Associate, University of Oxford (2013-)

Honorary Adjunct Professor, Lincoln University (2015-)

Honorary Professor, University of Otago (2007-2010)

Included in 2006 to 2020 *Who's Who in the World* (Marquis, Editions) and 2006 *Who's Who in Science and Engineering* (Marquis Edition), *Dictionary of International Biography* (2007), *Who's Who in Australia* (2014, 2017, 2020), and quoted (pp. 100, 105, 129 and 248) in *Saving Ourselves: Interviews with World Leaders on the Sustainable Transition* (Ed. Yacine Belhaj-Bouabdallah), etc.

Chair, *Marine Estate Expert Knowledge Panel* (2014-18)

Chair, *International Geothermal Expert Study Group* (2013-2014)

Chair, *Social and Economics Reference Panel* of the Murray-Darling Basin Commission (2008-2009)

Member of the Expert Working Group, Australian Council of Learned Academies (ACOLA)'s *Energy Storage: Opportunities and Challenges for Deployment in Australia* project (2016-2017)

Member of the *Interim Dam Safety Advisory Committee* (NSW) (2016-18)

Member of the Independent Science Panel of the *National Science Challenge Sustainable Seas* for the New Zealand Government (2015-2017)

Member of the *Socio-economic Modelling and Assessments Committee* (SEMAAC) of the South Australia Nuclear Fuel Cycle Royal Commission (2015-2016)

Member, *Murray-Darling Basin Water Purchase Stakeholder Consultative Committee* (2008-2009)

Member, *National Council on Education for Sustainability* (2008-2010)

Member, *Resilience Roundtable* (2009-2010)

Member of *Resource Working Group of the Fisheries and Research Development Corporation* (2007-2010)

Listed in Top 500 of the World's Economists (1994-1998), *Revealed Performances: Worldwide Rankings of Economists and Economics Departments*

Member of the International Program Committees for World Congress of Environmental and Resource Economists (2006), Modeling and Simulation World Conference (2005), Australian Agricultural and Resource Economics Society (2007), etc.

Member of *Expert Advisory Committee for the Australian Government's Maintaining Australia's Biodiversity Hotspots Programme* (2007-2008)

Member of *Selection Advisory Panel to the Australian Natural Resources Management Standing Committee* (2007)

Member of the *College of Reviewers of the Canada Research Chairs* (2006)

Expert Reviewer for *The Research Council of Norway*

Expert Reviewer for the *Royal Commission on Renewing and Strengthening Our Place in Canada, Newfoundland, 2003*

Expert Reviewer, *Social Sciences and Humanities Research Council of Canada, 2003*

Member of *Australia's National Ocean's Office Socio-economic Working Group, 2002-2004*

Expert Witness, *Standing Committee on Finance of the Canadian House of Commons, 2001*

Member of *National Review Committee, Post-Doctoral Scholarships, Social Sciences and Humanities Research Council, 2001.*

Panel member, committee 5, *Social Sciences and Humanities Research Council Doctoral Fellowships, 2000*

Membre du jury du *Prix Michel-Jurdant, Association canadienne-française pour l'avancement des sciences (Acfas) 2000*

Expert Reviewer, *Intergovernmental Panel on Climate Change, 1999.*

Expert Reviewer, *Fonds pour la Formation des Chercheurs et l'Aide à la Recherche, 1999.*

Expert Reviewer, *Social Sciences and Humanities Research Council, 1999.*

Expert Witness for the *Standing Committee on Fisheries for the Senate of Canada*, 1997.

Selected Research Awards

1. Winner of Best Paper Award, Economic Analysis and Policy, 6 December 2018.
2. University of Waterloo Water Institute Royal Bank of Canada Distinguished Lecture, 11 September 2017.
3. Australian National University Vice-Chancellor's Award for Public Policy and Outreach (co-recipient), 2016.
4. New South Wales Public Good Award. Awarded to Marine Estate Management Authority (MEMA), 2016.
5. Editor's Choice Award (Water Resources Research), given to top 1% of published papers by the American Geophysical Union, 2012.
6. National Science Prize (National Water Commission Professor Peter Cullen) *Eureka Prize* for Water Research and Innovation, 2011.
7. Australian National University Commendation for Outstanding Contribution to Student Learning (College of Asia and the Pacific), 2011.
8. Australian National University Vice-Chancellor's Award for Excellence in Education (Supervision), 2010.
9. Best Paper Prize (The Economic Record) of Economic Society of Australia, 2006.
10. Ontario Premier's Research Excellence Award, 2000.
11. William Evans Visiting Fellow, University of Otago, 1998.
12. Young Researcher of the Year, University of Ottawa, 1998.
13. Post-Doctoral Research Fellowship, Norwegian School of Economics and Business Administration, 1993
14. A.D. Scott Fellowship in Economics, University of British Columbia, 1991-92.
15. Albert J. Whiteley Memorial Fellowship, University of British Columbia, 1990-91.
16. Winner of the Canadian Fisheries and Oceans Essay Competition (Graduate Category), 1990.
17. Gamma Sigma Delta (Honorary in Agriculture), 1985.

Management & Administration

As Executive Director of Bureau of Resources and Energy Economics (BREE's) was responsible for a budget of \$4.8 million/year and a staff of 36. In this role managed HR issues within the Bureau (recruitment, promotion, learning & development, etc.), Chaired the Human Resources Committee for the Department of Resources, Energy and Tourism and was a member of the Departments' Executive Board. As Chief Economist was responsible for clearing 27 publications over a two-year period, established the Australian National Conference on Resources and Energy, and actively engaged with the media such that the Bureau's work regularly appeared in the press and radio and was featured on the front page of the Australian and the Australian Financial review on several occasions.

Chair and member of numerous university committees (recruitment, tenure, university promotion, research, management, scholarships, research prizes, visiting speakers, interdisciplinary programs, graduate courses, undergraduate courses, PhD comprehensive examinations, salaries, etc.). As a former Research Director of Crawford school was responsible for research grants, PhD supervision, scholarships, databases, etc. Currently co-ordinate the activities of researchers as part of his role as Co-Chair of the ANU Water Initiative, and also direct the Centre for Water Economics, Environment and Policy (CWEPE). As Chairholder of the ANU-UNESCO Chair I administer university and external funding in excess of \$1 million and as an Australian Laureate Fellow, I administer external funds in excess of \$2 million.

Scholarly & Professional Activities

Editor (with Tom Kompas and Jeff Bennett), *Australian Journal of Agricultural and Resource Economics* (2007-2010)

Editor-in-Chief, *Policy Forum.net* (2014-)

Editor, *Asia and the Pacific Policy Studies* (2013-19)

Associate Editor, *Food Security* (2014-2016)

Associate Editor *Marine Resource Economics* (1998-2001)

Founder and Executive Editor of *Global Water Forum* (www.globalwaterforum.org/) (2010-)

Guest Editor, *Economic Analysis and Policy* (2021-2022)

Guest Editor, *International Journal of Water Resources Development* (2019-2021)

Guest Editor, *Earth's Future* (2017-2018)

Guest Editor, *Water Economics and Policy* (2017)

Guest Editor, *PNAS* (2016)

Guest Editor, *Food Security* (2014)

Member of Editorial Boards *Canadian Journal of Agricultural Economics* (2007-10) *Environment and Development Economics* (2008-2014), *Environmental Economics* (2010-2017), *Economics Research International* (2010-17), and *Water Resources and Economics* (2012-), *Water Economics and Policy* (2013-2016), *Water* (2018-21), *World Development Sustainability* (2021-),

Reviewer for (1) *American Economic Review*, (2) *Journal of Political Economy*, (3) *Scandinavian Journal of Economics*, (4) *Canadian Journal of Economics*, (5) *The Economic Record*, (6) *Australian Journal of Agricultural and Resource Economics*, (7) *Journal of Productivity Analysis*, (8) *Journal of Environmental Economics and Management*, (9) *Resource and Energy Economics*, (10) *Environmental and Resource Economics*, (11) *Land Economics*, (12) *Journal of Environmental Management*, (13) *American Journal of Agricultural Economics*, (14) *Journal of Environment and Development*, (15) *Natural Resource Modeling*, (16) *Reviews in Fish Biology and Fisheries*, (17) *Canadian Public Policy*, (18) *Canadian Review of Social Policy*, (19) *Annals in Operations Research*, (20) *Canadian Journal of Fisheries and Aquatic Sciences*, (21) *Marine Resource Economics*, (22) *L'Actualité Economique*, (23) *Canadian Journal of Development Studies*, (24) *Journal of Policy Modeling*, (25) *Cahiers d'Economie et Sociologie Rurales*, (26) *The Energy Journal*, (27) *Environment and Development*

Economics, (28) Ecological Economics, (29) Environmental Management, (30) Canadian Business Economics, (31) Journal of Bioeconomics, (32) Canadian Journal of Agricultural Economics, (33) Fisheries Research, (34) International Journal of Production Economics, (35) Pacific Economic Bulletin, (36) Food Policy, (37) Current Issues in Tourism, (38) International Journal of Agricultural Resources, Governance and Ecology, (39) Frontiers in the Ecology and the Environment, (40) The Bruce Hall Academic Journal, (41) International Journal of Chemistry and Ecology, (42) International Review of Law and Economics, (43) Environmental Modelling and Software, (44) British Journal of Political Science, (45) Aquaculture Economics and Management, (46) Environment and Planning: Government and Policy C, (47) Environmental Conservation (48) Journal of Agricultural and Resource Economics, (49) Environmental Science & Policy, (50) Journal of Agricultural Economics, (51) Aquatic Living Resources, (52) Endangered Species Research, (53) Fish and Fisheries, (54) Australasian Journal of Environmental Management, (55) Journal of Water Resources, Planning and Management, (56) Regional Environmental Change, (57) Science, (58) Water Resources Research, (59) Economic Record, (60) Journal of Hydrology, (61) Rangeland Journal, (62) Society and Natural Resources, (63) Environmental Economics, (64) Water Policy, (65) Proceedings of the National Academy of Sciences (PNAS), (66) Hydrogeology Journal, (67) Ecology & Society, (68) Water Resources Management, (69) Global Environmental Change, (70) Journal of Economic Surveys, (71) Conservation Biology, (72) Water Resources & Economics, (73) Food Security, (74) Journal of Development Economics, (75) Asia and the Pacific Policy Studies, (76) Nature Climate Change, (77) Agenda, (78) Australian Economic Review, (79) Economic Papers, (80) New Zealand Economic Papers, (81) Journal of Institutional Economics, (82) International Journal of Water Resources Development, (83) Environmental Research Letters, (84) Annals in Science, (85) Journal of Rural Studies, (86) Resources Policy, (87) Environment and Planning C: Politics and Space, (88) Energy Policy, (89) River Research and Applications, (90) Utilities Policy, (91) Nature, (92) Science of the Total Environment, (93) Journal of Economic Dynamics and Control, (94) Water Economics and Policy, (95) Earth's Future, (96) Economic Analysis and Policy, (97) Environmental Science and Policy, (98) Water, (99) Food Security, (100) Lakes & Reservoirs: Science, Policy and Management for Sustainable Use, (101) Water Security, (102) Environmental Research Letters, (103) Food Policy, (104) Journal of Water Resources Planning and Management, (105) Global Environmental Change, (106) Nature, (107) Nature Sustainability, (108) Science Bulletin, (109) International Journal of Disaster Risk Reduction, (110) Climate Policy, (111) Science of the Total Environment, (112) PLOS ONE, (113) River Research and Applications, (114) Journal of Travel Medicine, (115) BMJ Open, (116) Society & Natural Resources, (117) Landscape and Urban Planning, (118) Evaluation & Program Planning, (119) Journal of Rural Studies, (120) Nature Communications, (121) China Agricultural Economic Review, (122) Marine & Freshwater Research, (123) The World Economy, (124) Nature Water, (125) Preventative Medicine, (126) Global Sustainability

Consulted and advised numerous organizations including: the World Bank, OECD, Asia Development Bank, Ford Foundation, US National Marine Fisheries Service, Environment Canada, Fisheries and Ocean Canada, Ontario Ministry of Natural Resources, Productivity Commission of Australia, Australian Bureau of Agricultural and Resource Economics, Department of Agriculture, Fisheries and Forestry Australia, Department of Environment and Heritage Australia, Australian Fisheries Management Authority, New Zealand Ministry of Fisheries, New Zealand Ministry for the Environment, The ACT Government, among others.

External PhD examiner for multiple universities that include: University of New South Wales (x2), University of Sydney (x2), University of Adelaide (x2), University of Queensland (x3), University of South Australia, The University of British Columbia, Curtin University, University of Western Australia, Southern Cross University, University of Montpellier, Massey University, and University of Iceland.

External assessor for University of Alberta, University of Victoria (Canada), University of Otago, Rensselaer Polytechnic Institute, Royal Society of New Zealand, among others.

Research has been featured in Australia's major newspapers on numerous occasions (including *The Australian*, *Sydney Morning Herald*, *The Age*, *The Australian Financial Review*, *The Saturday Paper*) including multiple front-page features (*The Australian*, *Australian Financial Review*), international magazines (such as *New Scientist*) and on ABC Radio (national and local programs), BBC and Australian TV (ABC, WIN TV, Sky TV). In addition, his work has featured in commentaries and news for *Science* and *Nature*.

Completed 'Board Governance and Effectiveness' 18 November 2016.

Selected University Administered Research Funding

1. Australian Research Council Laureate Fellowship (\$3.36 million cash over 5 years), 2020
2. \$159,698 Australian Research Council (joint with Sarah Wheler and Celine Nauges), 2020
3. National Institutes Grant Water Futures \$154,000/year for on-going academic position, 2019
4. Hilda John Bequest, \$550,000, 2019
5. \$320,000, Australian Research Council (joint with Kevin Fox, Erwin Diewert and Carl Obst), 2017
6. \$270,000 Australian Centre for International Agricultural Research, 2016
7. €20,000 OECD Co-operative Research Programme, 2015
8. \$500,000 Hilda John Bequest, 2014
9. \$1.226 million Australian Centre for International Agricultural Research (lead CI Jamie Pittock), 2012
10. \$195,000 Commonwealth Environmental Research Facility, Environmental Economics Hub, 2010
11. \$374,465 Australian Research Council (joint with Michael Ward), 2012
12. \$298,224 Murray-Darling Basin Authority, Potential Water Quantity and Quality Impacts in the Murray-Darling Basin from Communities and Industry Responding to Climate Change, 2010.
13. \$271,913 Charles Darwin University & North Australian Indigenous Land and Sea Management Alliance, Establishing Water Markets in Northern Australia, 2010
14. \$800,000 Hilda John Bequest, 2010
15. \$109,962 AusAid, Institutional Adaptation to Volatile Oil Prices

16. \$435,000 Commonwealth Environmental Research Facility, Environmental Economics Hub
17. \$288,000 Commonwealth Environmental Research Facility, Environmental Economics Hub
18. \$270,000 Australian Research Council (joint with T. Kompas and ADM Smith)
19. \$150,000 Australian Research Council (joint with K.J. Fox)
20. \$142,402 Australian Research Council (joint with K.J. Fox and R. Keenan)
21. \$80,000 Australian Research Council (joint with J. Kalish, S. Chand, S. Dovers and R. Bradbury)
22. \$70,668 Australian Research Council (joint with M. Hutchinson), awarded but declined.
23. \$150,000 Premier's Research Excellence Award, Ontario Government
24. \$170,000 Health Canada
25. \$30,000 Parks Canada
26. \$18,000 International Joint Commission
27. \$20,000 Interfaculty Award, University of Ottawa (co-investigator)
28. \$150,000 Sustainable Forest Management Network
29. \$200,000 Marsden Fund (collaborator but not principal investigator)
30. \$10,000 Young Researcher of the Year Award, University of Ottawa
31. \$3,500 Social Sciences and Humanities Research Council
32. \$3,500 University Research Services, University of Ottawa
33. \$5,000 Atlantic Institute for Market Studies
34. \$1,000 University Research Services, University of Ottawa
35. \$40,000 Social Sciences and Humanities Research Council
36. \$33,550 Environment Canada Green Plan on Economic Instruments
37. \$5,000 Faculty of Graduate Studies, University of Ottawa
38. \$3,000 Sustainable Development Institute, UBC
39. \$1,000 Council of Forest Industries
40. \$10,000 Norwegian School of Economics and Business Administration
41. \$9,800 Canadian Department of Fisheries and Oceans
42. \$1,800 Teaching-Learning Grants Subcommittee, University of Ottawa

Total Funding as Chief or Principal Investigator approx. \$10 million

Selected Keynotes & Presentations

1. Presentation at the Global Town Hall on Sustainability, Virtual Event, 11 May 2022.
2. Presentation, UN Climate Change Conference (COP26) 'Climate Change and Water: The Missing Agenda', Glasgow, UK, 8 November 2021.
3. Keynote Presentation (virtual), University of California Irvine; A California-European Union-Australia Workshop on groundwater and Water-Energy-Food Nexus, Irvine, California, 9 November 2021.
4. The Royal Society Presentation (virtual) at 'Drought in the Anthropocene', London, UK, 19 October 2021.
5. Keynote Address (virtual), Water Leaders' Summit, Taiwan International Water Week 2021, Taipei, 14 October 2021.
6. Plenary Address (virtual), Stormwater 2021 National Conference, 13 April 2021.
7. Invited Speaker (virtual), Australasian Agricultural and Resource Economics Society, 5 August 2020.
8. Invited Speaker (virtual), University of Tasmania, 19 June 2020.
9. Invited Address, Foreign Correspondents Association, Sydney, 25 November 2019.
10. Invited Speaker, University of Third Age, Canberra, 10 September 2019.
11. Plenary Address, 10th Annual CAER-IFPRI Conference, Guangzhou, 9 November 2018.
12. Keynote Address, Tsinghua University, 7 November 2018.
13. Invited Speaker, University of Toulouse, 21 June 2018.
14. Invited Speaker, Norwegian School of Economics and Business Administration, 31 May 2018.
15. Invited Speaker, World Bank (Washington DC), 29 May 2018.
16. Invited Speaker, Montpellier Institute for Water and Environment, 22 May 2018
17. Invited Speaker, Columbia University (NYC), 15 March 2018.
18. Invited Speaker, World Bank Group (Washington DC), 13 March 2018.
19. Invited Address, Stanford University, 7 March 2018.
20. Presidential Address, Australasian Agricultural and Resource Economics Society (Adelaide), 7 February 2018.
21. Invited Speaker, New Zealand Treasury, 6 November 2017.
22. Water Institute Royal Bank of Canada Distinguished Lecture, 11 September 2017.
23. Keynote Address, New Zealand Rivers Foundation, 3 November 2016.
24. Invited Speaker, Blouin Creative Leadership Summit 2016, Manhattan Club, New York City, 19 September 2016.
25. Plenary Address, International Water Resource Economics Consortium, the World Bank, Washington DC, 12 September 2016.
26. Keynote Address, 60th AARES Conference, Canberra, February 2016.

27. Keynote Address, World Conference on Natural Resource Modelling, Bordeaux, France, 30 June 2015.
28. Plenary Address, 18th Annual Conference on Global Economic Analysis, Melbourne 19 June 2015.
29. Plenary Address, World Geothermal Congress, Melbourne, 24 April 2015.
30. Keynote address, International Conference on Ecohydrology, Yogyakarta 11 November 2014.
31. Keynote Address, National Water Policy Summit, Sydney, Australia 15th October 2014.
32. Keynote Address, 6th IAHS-EGU International Symposium on Integrated Water Resources Management, Bologna, Italy 5 June 2014.
33. Invited Address, Harvard University, 'Resilient Public Policy' 28 March 2014.
34. Keith Campbell Distinguished Lecture, 'Boom of Bust: Where to Australia?' Australian Agricultural and Resource Economics Society, Port Macquarie, 7 February 2014.
35. Public Address, "Australian Natural Gas Exports: Investment, Production and Exports" Observer Research Foundation, Mumbai, India 25 April 2013.
36. Public Address, 'World Gas and Coal Markets: Where to the Next 5 Years?' 'Energy Security in the Asia Pacific', Observer Research Foundation, New Delhi, India 22 April 2013.
37. Invited Address, Energy State of the Nation, 'Evidence-based Energy Policy', Sydney, 22 March 2013.
38. Invited Address, University of Tokyo, 'Reflections on Energy Security in the Asia Pacific', Tokyo, 27 February 2013.
39. Invited Address, Sustainable Irrigation 2012, 'Optimising Water Allocations for Irrigation and the Environment', Adelaide, 11 December 2012.
40. Invited Address, Australian Business Economists, Sydney, 5 December 2012.
41. Invited Address, Chatham House (London), 'Millennium Resources Boom and Prospects for Coal and Gas in the Asia-Pacific', 29 October 2012.
42. Public Address, Oxford University, 'Water Governance: Insights from Four River Basins', 29 October 2012.
43. Keynote Address, 'Australia and the Millennium Mining Boom', Australian National Conference on Resources and Energy, Canberra, 18 September 2012.
44. Keynote Address, 'Economic Outlook for Australian Resources: Prices, Investments and Volumes', Association of Mining and Exploration Companies, Perth, 4 September 2012.
45. Committee for the Economic Development of Australia (CEDA), State of the Nation, Major Mining Projects and Investment, Canberra, 19 June 2012.
46. Invited Address, Economic Club of Canada, 'The Resources Commodities Boom: Past and Future Perspectives', Ottawa, 21 February 2012.

47. Invited Address, Department of Finance & Deregulation, 'Urban Water Reform', 27 July 2011
48. Keynote address, Resilience: Can our Environment Keep Bouncing Back? University of Sydney, 8 July 2011.
49. Keynote address, Australian Water Association Annual Conference, 29 June 2011.
50. Invited address, Australian Embassy in US, Economics of Water Reform in the Murray-Darling Basin, 18 February 2011.
51. Invited Address, Congressional Research Service, Water markets and Transfers: US and Australian Experiences, 17 February 2011.
52. Plenary address, Australian Agricultural and Resource Economics Society Annual Meeting, 9 February 2011.
53. Invited Address, Environment Institute of Australia and New Zealand Counterintuitive Seminars, 4 November 2010
54. Invited Address, National Press Club of Australia, Murray-Darling Basin Plan: River Rescue or Rural Disaster, 20 October 2010.
55. Keynote speaker at 8th Annual Water Summit, 26 October 2010.
56. Keynote speaker at AARES Special Symposium on Urban water Symposium, 30 September 2010.
57. Keynote speaker, The Pelagic Complex in the Northeast Atlantic Ocean, Faroe Islands, 9 September 2010.
58. Invited Address, Prime Minister & Cabinet, Moving Forward with Water Reform in Australia, 20 August 2010.
59. Keynote speaker at Australian Economic Forum 2010, 6 August 2010.
60. Keynote address to the 11th Australian Competition & Consumer Commission Regulatory Conference, 30 July 2010.
61. Plenary speaker at Australia 21 Conference 'Shaping Australia's Resilience: Policy Developments for an Uncertain Future', 16 February 2010.
62. Keynote address at Australian Mathematical Sciences Institute 'The Mathematics of Water Supply and Pricing' 15 July 2008.
63. Chair, 6th Australian Water Summit, 7 March 2008.
64. Plenary address, 52nd. AARES Annual Meeting, 7 February 2008.
65. AARES/Economic Society Special Presentation 13 December 2007.
66. 3rd Annual Water Pricing Conference, Sydney, 27 September 2007.
67. Invited Address, Australian Treasury, 17 September 2007.
68. Invited Address, Senior Executive Service, Australian Public Service, 30 August 2007.
69. Ocean Management Research Network (Canada), 11 July 2007.
70. Invited Address, Fisheries and Ocean Canada, Ottawa, 6 July 2007.
71. Invited Address, Great Green Debate, ANU Sustainability Network, 5 June 2007

72. Invited Address, University of Adelaide, 27 April 2007.
73. Invited Address, Global Change Symposium, National Museum of Australia, 22 June 2006.
74. Invited Address, Reserve Bank of New Zealand, 7 April 2006.
75. Invited Address, AARES Symposium 2005, November 11, Canberra, Australia.
76. Invited Address, Department of Economics, University of Adelaide, 29 October 2004.
77. AARES Symposium 2004, October 7 Auckland, New Zealand.
78. Environment Roundtable, Sydney, Australian Industries Group, June 22, 2004.
79. Invited Address, Department of Economics, University of New South Wales, 23 April 2004.
80. Invited Address, Bureau of Rural Sciences, Canberra, 12 March 2004.
81. Invited Address, Department of Economics, University of Otago, 29 October 2003.
82. Invited Address, Department of Economics and Finance, La Trobe University, Melbourne, 26 September 2003.
83. Invited Address, Department of Finance, Canada, 7 July 2003.
84. Invited Address, Department of Fisheries and Oceans, Canada, 8 July 2003.
85. Invited Address, Department of Economics, University of Queensland, 30 May 2003.
86. Invited Address, Economics Measurement Group, Centre for Applied Economics Research, University of New South Wales, September 2002.
87. 4th Toulouse Conference on Environment and Resource Economics, May 2001.
88. Invited Address, Canterbury University, New Zealand, 2001.
89. Keynote Address, Le Séminaire Matsuzewski, Université Laval, 2001.
90. Invited Address, Department of Fisheries & Ocean, Canada, 2000.
91. Invited Address, the Woods Hole Oceanographic Institute, USA, 2000.
92. Invited Speaker at the International Institute for Fisheries Economics and Trade, World Conference 2000, Oregon, USA.
93. Invited Address, University of Queensland, Brisbane, Australia, 1999.
94. Invite Address, New Zealand Ministry of Fisheries, Wellington, New Zealand, 1999.
95. Invited Address, Massey University, New Zealand, 1999.
96. Invited Address, Australian Bureau of Agricultural and Resource Economics, Canberra, Australia, 1999.
97. Invited Address, Lincoln University, New Zealand, 1998.
98. Invited Address, New Zealand Ministry of Commerce, Wellington, New Zealand, 1998.

99. Keynote Speaker at International Conference on Public Sector Efficiency, Sydney, Australia, 1998.
100. Australian Fisheries Management Authority, Canberra, Australia, 1997
101. Australian Bureau of Agricultural and Resource Economics, Canberra, Australia, 1997.
102. Invited Address, Imperial College, London, England, 1995.
103. Invited Address, Norwegian School of Economics and Business Administration, Bergen 1994.

In addition, I have presented papers at over 100 plus academic conferences and participated at various meetings, seminars, workshops and conferences in Australia, Austria, Brunei, Canada, China, Germany, Greece, France, India, Italy, Japan, Jordan, Malaysia, Mozambique, Nepal, New Zealand, Norway, Singapore, South Africa, Sweden, United Kingdom, the USA and the Vatican.

Student Supervision

26 PhD (5 in progress & 21 completed) and 15 Master students as principal supervisor
36 PhD (in total) as supervisor or as member of supervisory committee
17 PhD as external university examiner

Languages

French (intermediate to advanced), Spanish (basic)

Refereed Journal Publications

1. R.Q. Grafton, L. Chu, R.T. Kingsford, G. Bina, J. Williams (2022). Resilience to Hydrological Droughts in the Northern Murray-Darling Basin. *Philosophical Transactions of the Royal Society A* (in press).
2. P. Wyrwoll, A. Manero, K.S. Taylor, E. Rose, R.Q. Grafton (2022). Measuring gaps in drinking water quality and policy in regional and remote Australia. *NPJ Clean Water* (in press).
3. L. Chu, R.Q. Grafton, T. Kompas (2022). What vaccination rate(s) minimize total societal costs after 'opening up' to COVID-19? Age-structured SIRM Results for the Delta variant in Australia (New South Wales, Victoria and Western Australia) *PLOS Global Public Health* 2(6): e0000499. [What vaccination rate\(s\) minimize total societal costs after 'opening up' to COVID-19? Age-structured SIRM results for the Delta variant in Australia \(New South Wales, Victoria and Western Australia\) | PLOS Global Public Health](#)
4. P.I. Macreadie¹, A.I. Robertson, B. Spinks, M.P. Adams, J.M. Atchison, J. Bell-James, B. Bryan, L. Chu, K. Filbee-Dexter, L. Drake, C.M. Duarte, D.A. Friess, F. Gonzalez, R.Q. Grafton, K.J. Helmstedt, M. Kaebernick, J. Kelleway, G.A. Kendrick, H. Kennedy, C.E. Lovelock, J. P. Megonigal, D.T.

- Maher, E. Pidgeon, A.A. Rogers, R. Sturgiss, S.M. Trevathan-Tackett, M. Wartman, K.A. Wilson, K. Rogers (2022). Operationalising marketable blue carbon *One Earth* 5(5): 485-492
<https://doi.org/10.1016/j.oneear.2022.04.005>
5. A. Manero, K. Taylor, W. Nikolakis, V. Adamowicz, V. Marshall, A. Spencer-Cotton, M. Nguyen, R. Quentin Grafton (2022). A systematic literature review of non-market valuation of Indigenous peoples' values: Current knowledge, best-practice and framing questions for future research. *Ecosystem Services* 54
<https://doi.org/10.1016/j.ecoser.2022.101417>
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Other Publications & Book Reviews

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2. M. Colloff, R.Q. Grafton and J. Williams (2022) A Rejoinder to the Comment by Stewardson et al. (2021) to the published article by Colloff et al. (2021) that were published in the Australasian Journal of Water Resources. <http://hdl.handle.net/1885/267452> (not peer reviewed).
3. R.Q. Grafton (2021) Book review of 'Dead in the Water: A very angry book about our greatest environmental catastrophe...the death of the Murray-Darling Basin' by Richard Beasley. *International Journal of Water Resources Development* <https://doi.org/10.1080/07900627.2021.1914003> (not peer reviewed).

4. R.Q. Grafton (2021) Book review of 'Global Food Security: What Matters? (Routledge, the Taylor & Francis Group, pp. 270, 2020) by Zhang-Yue Zhou. *The Economic Record* <https://doi.org/10.1111/1475-4932.12614> (not peer reviewed).
5. R.Q. Grafton (2021) Book review of 'Water Science, Policy, and Management: A Global Challenge' by Eds. S. J. Dadson, D. E. Garrick, E. C. Penning-Rowsell, J. W. Hall, R. Hope and J. Hughes. Wiley Blackwell, 408 pp. *Water Economics and Policy* 7: 2180001
<https://www.worldscientific.com/doi/abs/10.1142/S2382624X21800011> (not peer reviewed).
6. S. Richardson (Chair), S. Friel, R.Q. Grafton, B. Head and K. McConkey (2020). Efficient, Effective and Fair Climate Policy: A Discussion Paper. Published by the Academy of Social Sciences in Australia.
<https://socialsciences.org.au/publications/efficient-effective-and-fair-discussion-paper/> (peer reviewed).
7. R.Q. Grafton, C.J. Perry and J. Williams (2020). Confronting the Paradox of irrigation Efficiency. *Atlas of Science* <https://atlasofscience.org/confronting-the-paradox-of-irrigation-efficiency/> (not peer reviewed).
8. M. Colloff, D. Connell, K. Daniell, R.Q. Grafton (contact author), J. Guillaume, L. van Kerkoff, A. Lal, V. Marshall, E. Nabavi, J. Pittock, K. Taylor, P. Tregoning, J. Williams, P. Wyrwoll. (2020). Water reform for all: a national response to a water emergency. <https://openresearch-repository.anu.edu.au/handle/1885/204069> (not peer reviewed).
9. R.Q. Grafton and J. Williams (2019). Thirst for certainty: the urgent need for a water audit of the Murray-Darling Basin. *Farm Policy Journal* 16(2), pp. 14-20 (not peer reviewed).
10. R.Q. Grafton and B. van der Pluijm (2019). The Long and Winding Road: Making Resilience Real. *Editors' Vox*. <https://eos.org/editors-vox/the-long-and-winding-road-making-resilience-real> (not peer reviewed).
11. FE2W Network (2019) Guide to the Risk and Options Assessment for Decision-making. Available at: <http://www.fe2wnetwork.org/ROADguide> (not peer reviewed).
12. R.Q. Grafton, A. Biswas and C. Tortajada (2017) Signing up to safe water for billions. *Nature* 548, p. 393. (not peer reviewed).
13. B. Godfrey, R. Dowling, M. Forsyth, R.Q. Grafton and I. Wyld (2017). *The Role of Energy Storage in Australia's Future Energy Supply Mix*. Report for the Australian Council of Learned Academies (ACOLA). (peer reviewed).
14. R.Q. Grafton (2017) in Y. Belhaj-Bouabdallah (Ed.) *Saving ourselves: Interviews with world leaders on the sustainable transition*. World Scientific pp. 100, 105, 129 and 248 (not peer reviewed).
15. R.Q. Grafton, J. Mullen and J. William (2015) *Australia's Agricultural Future: Returns, Resources and Risks*. A report prepared for the Australian Council of Learned Academies (ACOLA), Melbourne. (peer reviewed).

16. D. Parham, H. To, N. Ratna, S. Regan and R.Q. Grafton (2015) *Migration and Productivity in Australia*. A report prepared for the Department of Immigration and Border Security. (peer reviewed)
17. R.Q. Grafton and N.R. Lambie (2014) *Australia's Experience in Developing an LNG Export Industry*. Asia Pacific Foundation of Canada (peer reviewed).
18. R.Q. Grafton and R.J. Keenan (2014) Climate risks: Probabilities, consequences and actions, in *The Economics of Climate Change*, Committee for Economic Development of Australia (peer reviewed).
19. R.Q. Grafton, R. Horne, M. Moore, S. Petty and B. Livesay (2014) *Looking Forward: Barriers, Risks and Rewards of the Australian Geothermal Sector to 2020 and 2030*. Australian Renewable Energy Agency (peer reviewed).
20. R.Q. Grafton and T. Kompas (2014) Fisheries Forever. *Solutions* Volume 4, issue 6: 47-53 (not peer reviewed) www.thesolutionsjournal.com/node/237110.
21. A. Syed, R.Q. Grafton and K. Kalirajan (2013) *Productivity in the Australian Mining Sector*. Bureau of Resources and Energy Economics, Canberra (not peer reviewed).
22. Australian Energy Technology Assessment (2012) Bureau of Resources and Energy Economics (not peer reviewed).
23. R.Q. Grafton and T. Kompas (2012) Asia's Energy and Food Security Challenges. *East Asia Forum* www.eastasiaforum.org/2012/12/10/asias-energy-and-food-security-challenges/ (not peer reviewed).
24. J. Liu and R.Q. Grafton (2012) *Resources and energy prices: trends, volatility and demand shocks*, in BREE Reviews 2011-12. Bureau of Resources and Energy Economics, Canberra (not peer reviewed).
25. A. Syed and R.Q. Grafton (2012) Productivity growth in Australia's mining sector: an overview, in BREE Reviews 2011-12. Bureau of Resources and Energy Economics, Canberra (not peer reviewed).
26. R.Q. Grafton and N. Che (2012) *Value chain modelling of the Australian resources and energy sector*, in BREE Reviews 2011-12. Bureau of Resources and Energy Economics, Canberra (not peer reviewed)
27. J. Liu and R.Q. Grafton (2012) *Global oil prices reserves, production and intensity: An overview*, in BREE Reviews 2011-12. Bureau of Resources and Energy Economics, Canberra (not peer reviewed).
28. N. Che, R.Q. Grafton, D. Feldman and T. Pham (2012) *Energy Productivity Analysis of the Australian Grain Industry*, in BREE Reviews 2011-12. Bureau of Resources and Energy Economics, Canberra (not peer reviewed).
29. R.Q. Grafton (2012) Sovereign debt crises, the real economy and the euro zone crisis, in BREE Reviews 2011-12. Bureau of Resources and Energy Economics, Canberra (not peer reviewed).
30. R.Q. Grafton (2012) PIIGS, A Trojan horse and an optimal currency area, in BREE Reviews 2011-12. Bureau of Resources and Energy Economics, Canberra (not peer reviewed).

31. R.Q. Grafton and J. Liu (2012) China's economic growth and transition, in BREE Reviews 2011-12. Bureau of Resources and Energy Economics, Canberra (not peer reviewed).
32. R.Q. Grafton and N.R. Lambie. (2010) Australian Coal and Climate Change Mitigation. *Harvard Asia Pacific Review* 11:1 40-41. (not peer reviewed).
33. Wentworth Group of Concerned Scientists, in association with R.Q Grafton, I. Kowalick, C. Miller, T. Stubbs, F. Verity and K. Walker (2010) *Sustainable diversions in the Murray-Darling Basing: An analysis of the options for achieving a sustainable diversion limit in the Murray-Darling Basin*. (not peer reviewed).
34. R.Q. Grafton (2009) Review of addressing China's water scarcity: Recommendations for selected water resource management issues (J. Xie with A. Lieberthal et al) for *Asian-Pacific Economic Literature* 23(2): 124-125.
35. R.Q. Grafton (2008) Returns to a fixed factor, in *International Encyclopaedia of the Social Sciences* (2nd edition). W.A. Darity, Editor in chief. Macmillan Reference. (peer reviewed).
36. R.Q. Grafton (2005) Review of natural resource management in agriculture: Methods for assessing economic and environmental impacts, in B. Shiferaw, H.A. Freeman and S.M. Winton (eds) *Australian Journal of Agricultural and Resource Economics* 50: 106-108. (not peer reviewed).