

R. Quentin Grafton

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 The Australian National University, Crawford School of Economics and Government

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

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

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

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

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

Director, Economic Development, Growth Economics & Development (EDGES) (05/05-08/09)

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

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)

Selected
Honours &
Distinctions

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)

Included in 2006, 2007 *Who's Who in the World* (Marquis, 23rd and 24th Editions) and *2000 Outstanding Scientists of the 21st Century* (International Biographic Centre, Third Edition 2005) and 2006 *Who's Who in Science and Engineering* (Marquis, 9th Edition), and *Dictionary of International Biography* (2007)

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

Honorary Professor, University of Otago (2007-2010)

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 Meeting (2007), etc.

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

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

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

Member, *Resilience Roundtable* (2009-)

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

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.*

Awards

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

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

Gamma Sigma Delta (Honorary in Agriculture), 1985.

1. *Ontario Premier's Research Excellence Award, 2000.*

2. *William Evans Visiting Fellow, University of Otago, 1998.*

3. *Young Researcher of the Year, University of Ottawa, 1998.*

4. *Post-Doctoral Research Fellowship, Norwegian School of Economics and Business Administration, 1993*

5. *A.D. Scott Fellowship in Economics, University of British Columbia, 1991-92.*

6. *Albert J. Whiteley Memorial Fellowship, University of British Columbia, 1990-91.*

7. *Winner of the Canadian Fisheries and Oceans Essay Competition (Graduate Category), 1990.*

Administration

As Director of Institute of the Environment (1999-2001) administered a budget (soft and hard funding) of over \$500,000/year and directly supervised six employees. As Director, I was responsible for budget planning and control, evaluation of employees, staff training, fund raising and project development.

Chair and member of numerous university committees (recruitment, tenure, 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 helps to co-ordinates the activities of researchers as part of his role as C-Chair of the ANU Water Initiative and also directs the Centre for Water Economics, Environment and Policy (CWEPP).

Scholarly & Professional Activities

Member of the Association of Environmental and Resource Economists, Australian Agricultural and Resource Economics Society, Economic Society of Australia, American Economics Association, and European Association of Environmental and Resource Economists.

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

Founder and convener of the Pisces Forum (www.piscesforum.org)

Guest Editor *International Journal of Global Environmental Issues* (2007)

Member of Editorial Boards *Canadian Journal of Agricultural Economics* (2007-), *Environment and Development Economics* (2008-), *International Journal of Environmental Economics* (2010-), *Economics Research International* (2010-)

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

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*, (56) *Science*, (57) *Water Resources Research*, (58) *Fish and Fisheries*, (59) *Journal of Hydrology*, (60) *Rangeland Journal*, (61) *Society and Natural Resources*, (62) *Environmental Economics*

Consulted for numerous organizations including 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, among others.

External PhD examiner for University of New South Wales (x2), University of Sydney (x2), University of Adelaide (x2), University of South Australia, The Australian National University, The University of British Columbia, and Curtin University.

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 (such as The Australian, Sydney Morning Herald, The Age, The Australian Financial Review), international magazines (such as New Scientist) and on ABC Radio (national and local programs), BBC and Australian TV (ABC, Win TV).

Selected
University
Administered
Research
Funding

1. \$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.
2. \$271,913 Charles Darwin University & North Australian Indigenous Land and Sea Management Alliance, Establishing Water Markets in Northern Australia
3. \$109,962 AusAid, Institutional Adaptation to Volatile Oil Prices
4. \$435,000 Commonwealth Environmental Research Facility, Environmental Economics Hub
5. \$288,000 Commonwealth Environmental Research Facility, Environmental Economics Hub
6. \$270,000 Australian Research Council (joint with T. Kompas and ADM Smith)
7. \$150,000 Australian Research Council (joint with K.J. Fox)
8. \$142,402 Australian Research Council (joint with K.J. Fox and R. Keenan)
9. \$80,000 Australian Research Council (joint with J. Kalish, S. Chand, S. Dovers and R. Bradbury)
10. \$70,668 Australian Research Council (joint with M. Hutchinson), awarded but declined.
11. \$150,000 Premier's Research Excellence Award, Ontario Government
12. \$170,000 Health Canada
13. \$30,000 Parks Canada
14. \$18,000 International Joint Commission
15. \$20,000 Interfaculty Award, University of Ottawa (co-investigator)
16. \$150,000 Sustainable Forest Management Network
17. \$200,000 Marsden Fund (collaborator but not principal investigator)
18. \$10,000 Young Researcher of the Year Award, University of Ottawa
19. \$3,500 Social Sciences and Humanities Research Council
20. \$3,500 University Research Services, University of Ottawa
21. \$5,000 Atlantic Institute for Market Studies
22. \$1,000 University Research Services, University of Ottawa
23. \$40,000 Social Sciences and Humanities Research Council
24. \$33,550 Environment Canada Green Plan on Economic Instruments
25. \$5,000 Faculty of Graduate Studies, University of Ottawa
26. \$3,000 Sustainable Development Institute, UBC
27. \$1,000 Council of Forest Industries
28. \$10,000 Norwegian School of Economics and Business Administration
29. \$9,800 Canadian Department of Fisheries and Oceans
30. \$1,800 Teaching-Learning Grants Subcommittee, University of Ottawa

Total Funding as Principal Investigator **\$2,306,151**, Co-investigator /Collaborator **\$583, 070**

Selected
Invited
Seminars &
Presentations

1. Keynote speaker at 8th Annual Water Summit, October 2010.
2. Keynote speaker at AARES Special Symposium on Urban water Symposium, 30 September, 2010
3. Keynote speaker at Australian Economic Forum 2010, 6 August 2010.
4. Keynote address to the 11th Australian Competition & Consumer Commission Regulatory Conference, 30 July 2010
5. Plenary speaker at Australia 21 Conference 'Shaping Australia's Resilience: Policy Developments for an Uncertain Future', 16 February 2010.
6. Keynote address at Australian Mathematical Sciences Institute 'The Mathematics of Water Supply and Pricing' 15 July 2008.
7. Chair, 6th Australian Water Summit, 7 March 2008.
8. Plenary, 52nd. AARES Annual Meeting, 7 February 2008
9. AARES/Economic Society Special Presentation 13 December 2007
10. 3rd Annual Water pricing Conference, Sydney, 27 September 2007
11. Australian Treasury, 17 September 2007
12. Senior Executive Service, Australian Public Service, 30 August 2007
13. Ocean Management Research Network (Canada), 11 July 2007
14. Fisheries and Ocean Canada, Ottawa, 6 July 2007
15. Great Green Debate, ANU Sustainability Network, 5 June 2007
16. University of Adelaide, 27 April 2007
17. Global Change Symposium, National Museum of Australia, 22 June 2006
18. Reserve Bank of New Zealand, 7 April, 2006
19. AARES Symposium 2005, November 11, Canberra, Australia.
20. Department of Economics, University of Adelaide, October 29 2004
21. AARES Symposium 2004, October 7 Auckland, New Zealand
22. Environment Roundtable, Sydney, Australian Industries Group, June 22, 2004
23. Department of Economics, University of New South Wales, April 23, 2004
24. Bureau of Rural Sciences, Canberra, March 12, 2004
25. Department of Economics, University of Otago, October 29, 2003
26. Department of Economics and Finance, La Trobe University, Melbourne September 26 2003
27. Department of Finance, Canada July 7 2003
28. Department of Fisheries and Oceans, Canada July 8 2003
29. Department of Economics, University of Queensland, May 30 2003
30. Economics Measurement Group, Centre for Applied Economics Research, University of New South Wales, September 2002
31. 4th Toulouse Conference on Environment and Resource Economics, May 2001
32. Canterbury University, New Zealand, 2001
33. Le Séminaire Matsuzewski, Université Laval, 2001
34. Department of Fisheries & Ocean, Canada, 2000
35. Wood's Hole Oceanographic Institute, USA, 2000
36. Invited Speaker at the International Institute for Fisheries Economics and Trade, World Conference 2000, Oregon, USA
37. University of Queensland, Brisbane, Australia, 1999
38. New Zealand Ministry of Fisheries, Wellington, New Zealand, 1999
39. Massey University, New Zealand, 1999
40. Australian Bureau of Agricultural and Resource Economics, Canberra, Australia, 1999.
41. Lincoln University, New Zealand, 1998
42. New Zealand Ministry of Commerce, Wellington, New Zealand, 1998
43. Keynote Speaker at International Conference on Public Sector Efficiency, Sydney, Australia, 1998.
44. Australian Fisheries Management Authority, Canberra, Australia, 1997

45. Australian Bureau of Agricultural and Resource Economics, Canberra, Australia, 1997.
46. Imperial College, London, England, 1995
47. Norwegian School of Economics and Business Administration, Bergen 1994.

In addition to above, I have presented papers at over 50 plus academic conferences and participated at meetings, workshops and conferences in Australia, Canada, Greece, France, Italy, Jordan, New Zealand, Norway, Sweden and the USA.

	12 PhD (5 in progress & 7 completed) and 15 Master students as principal supervisor
Student	19 PhD (in total) as supervisor or member of supervisory committee
Supervision	8 PhD as external university examiner
	1 ANU Intern Program Student (MA)
	1 ANU summer Scholar
Languages	French
Refereed Journal Publications	<ol style="list-style-type: none"> 1. S. Yamazaki, R.Q. Grafton and T. Kompas. Non-Consumptive Values and Optimal Marine Reserve Switching. <i>Ecological Economics</i> (in press). 2. R.Q. Grafton. How to Improve Cost Effectiveness of Water Reform and Increase Environmental Flows in the Murray-Darling Basin. <i>Agenda</i> (in press). 3. Squires, D., Y. Jeon, R.Q. Grafton and J. Kirkley. Controlling Excess Capacity in Common-Pool Resource Industries: The Transition from Input to Output Controls. <i>Australian Journal of Agricultural & Resource Economics</i> 54: 361-377. 4. R.Q. Grafton, T. Kompas and R. Hilborn. Resource Ownership, the Intrinsic Growth Rate and Dynamic B_{MEY}. <i>Land Economics</i> 86(3): 609-613. 5. S. Akter and R.Q. Grafton. Confronting Uncertainty and Missing Values in Environmental Value Transfer as Applied to Science Conservation. <i>Conservation Biology</i> (in press). 6. Kompas, T., R.Q. Grafton and T.N. Che. Bioeconomic losses from overharvesting tuna. <i>Conservation Letters</i> (in press). 7. R. Little, R.Q. Grafton, T. Kompas and A.D.M. Smith. Closure strategies as a tool for fisheries management of catastrophic events in metapopulations. <i>Fisheries Management and Ecology</i> 17: 346-355. 8. R.Q. Grafton, T. Kompas and L. Chu. Maximum Economic Yield. <i>Australian Journal of Agricultural and Resource Economics</i> 54: 273-280. 9. J. Maryono, T. Kompas and R. Quentin Grafton. Shifting from Green Revolution to Environmental Sound Policies: Technical Change in Indonesian Rice Agriculture. <i>Journal of the Asia Pacific Economy</i> 15(2): 128-147. 10. R.Q. Grafton and N.R. Lambie. Australian Coal and Climate Change Mitigation. <i>Harvard Asia Pacific Review</i> 11.1: 40-41. 11. Bich, T, R.Q. Grafton and T. Kompas. Contribution of productivity and firm size to value added: Evidence from Vietnam. <i>International Journal of Production Economics</i> 121: 272-285, 2009. 12. R.Q. Grafton. Adaptation to Climate Change in Marine Capture Fisheries. <i>Marine Policy</i> 34: 606-615, 2009. 13. Qureshi, E., R.Q. Grafton and M. Kirby. Understanding irrigation water

use efficiency at different scales for better policy reform — a case study of the Murray Darling Basin, Australia. *Water Policy* (in press).

14. Ratna, N., **R.Q. Grafton** and T. Kompas. Is Diversity Bad for Economic Growth? Evidence from State-level Data in the US. *Journal of Socio-Economics* 38: 859-870, 2009.
15. Shi, X. and **R.Q. Grafton**. Efficiency Impacts of the Chinese Industrial Transition: A quantitative evaluation of reforms in the coal industry. *Economic Change and Restructuring* 43: 1-19, 2010.
16. Lynham, J., C. Costello, S.N. Gaines, **R.Q. Grafton** and J. Price. Response to Letters to the Editor on 'Can Catch Shares Prevent Fisheries Collapse' *Science* 323: 338, 2009.
17. Yamazaki, S., T. Kompas and **R.Q. Grafton**. Output versus Input Controls under Uncertainty: The Case of a Fishery. *Natural Resource Modeling* 22(2): 212-236, 2009.
18. **Grafton, R.Q.** T. Kompas and P.V. Ha Cod Today and None Tomorrow: The Economic Value of a Marine Reserve. *Land Economics* 85: 454-469, 2009.
19. **Grafton, R.Q.** and A. McIlgorm. *Ex Ante* Evaluation of the Costs and Benefits of Individual Transferable Quotas: A Case-study of Seven Australian Commonwealth fisheries. *Marine Policy* 33: 714-719, 2009.
20. **Grafton, R.Q.** and M. Ward. Prices versus Rationing: Marshallian Surplus and Mandatory Water Restrictions. *The Economic Record* 84: S57-65, 2008.
21. Connell, D. and **R.Q. Grafton**. Planning for Water Security in the Murray-Darling Basin. *Public Policy* 3(1): 67-86, 2008.
22. Tran, B., **R.Q. Grafton** and T. Kompas. Institutions Matter: The Case of Vietnam. *Journal of Socio-Economics* 38: 1-12, 2009.
23. Mariyono, J., T. Kompas, and **R.Q. Grafton**. Shifting from Green Revolution to Environmentally Sound Policies: Technological Change in Indonesian Rice Agriculture. *Journal of the Asia Pacific Economy* 15(2):, 2010.
24. Bich, T., **R.Q. Grafton** and T. Kompas. Firm Efficiency in a Transition Economy: Evidence from Vietnam. *Asian Economic Journal* 22(1): 47-66, 2008.
25. **Grafton, R.Q.**, Hilborn, R. Ridgeway L., Squires D., Williams M., Garcia S., Groves T., Joseph J., Kelleher K., Kompas T., Libecap G., Lundin C-G, Makino, M., Matthiasson T., McLoughlin R., Parma, A., San Martin, G., Satia, B., Schmidt C-C, Tait, M., Zhang L. Positioning Fisheries in a Changing World. *Marine Policy* 42(4): 630-634, 2008.
26. Kompas, T., T.N. Che and **R.Q. Grafton**. Fisheries Instrument Choice under Uncertainty. *Land Economics* 84(4): 652-666, 2008.
27. Tacconi, L., F. Jotzo and **R.Q. Grafton**. Local Causes, Regional Co-operation and Global Financing for Environmental Problems: the Case of Southeast Asian Haze Pollution. *International Environmental Agreements: Politics, Law and Economics* 8:1-16, 2008.
28. **Grafton, R.Q.**, T. Kompas and R. Hilborn. The Economics of Overexploitation Revisited. *Science* 318: 1601, 2007.
29. **Grafton, R.Q.**, T. Kompas and P. Dorian Owen. Bridging the Barriers: Knowledge Connections, Productivity and Capital Accumulation. *Journal of Productivity Analysis* 28: 219-231, 2007
30. **Grafton, R.Q.** and K. Hussey. Buying Back the Murray: At What Price? *Australasian Journal of Environmental Management* 14(2): 74-81, 2007
31. **Grafton, R.Q.** and T. Kompas. Pricing Sydney Water. *Australian Journal of Agricultural and Resource Economics* 51(3): 227-241, 2007
32. **Grafton, R.Q.**, T. Kompas, R. McLoughlin and N. Rayns. Benchmarking for Fisheries Governance. *Marine Policy* 31: 470-479, 2007.
33. **Grafton, R.Q.**, N.V. Ha and T. Kompas. The Economic Payoffs from Marine Reserves: Resource Rents in a Stochastic Environment. *Economic Record* 82, No. 259: 469-480, 2006.
34. Parris, H. and **R.Q. Grafton**. Can Tuna Promote Sustainable

- Development in the Pacific. *Journal of Environment and Development* 15(3): 269-296, 2006.
35. Fox, K.J., **R.Q. Grafton**, T. Kompas and N. Che. Capacity Reduction, Quota Trading and Productivity: The Case of a Fishery. *Australian Journal of Agricultural and Resource Economics* 50(2): 189-206, 2006.
 36. **Grafton, R.Q.**, R. Arnason, T. Bjorndal, D. Campbell, H.F. Campbell, C.W. Clark, R. Connor, D.P. Dupont, R. Hanneson, R. Hilborn, J.E. Kirkley, T. Kompas, D.E. Lane, G.R. Munro, S. Pascoe, D. Squires, S.I. Steinshamn, B. Turriss, Q. Weninger. 2006. Incentive-based Approaches to Sustainable Fisheries. *Canadian Journal of Fisheries & Aquatic Sciences* 63: 699-710, 2006.
 37. **Grafton, R.Q.** Social Capital and Fisheries Governance. *Ocean & Coastal Management* 48: 753-766, 2005.
 38. **Grafton, R.Q.** Comment on 'What Restoration Schemes Can Do? Or, Getting it Right without Transferable Quotas' *Ocean Development & International Law* 36: 383-387, 2005.
 39. Connell, D, S. Dovers and **R.Q. Grafton**. A Critical Analysis of the National Water Initiative. *Australasian Journal of Natural Resources Law and Policy* 10: 81-107, 2005.
 40. **Grafton, R.Q.** T. Kompas and D. Lindenmayer. Marine Reserves with Ecological Uncertainty. *Bulletin of Mathematical Biology* 67: 957-971, 2005.
 41. **Grafton, R.Q.**, T. Kompas and V. Schneider. The Bioeconomics of Marine Reserves: A Selected Review with Policy Implications. *Journal of Bioeconomics* 7: 161-178, 2005.
 42. Dupont, D.P., K.J. Fox, D.V. Gordon and **R.Q. Grafton**. Profit and Price Effects of Multi-species Individual Transferable Quotas. *Journal of Agricultural Economics* 56 No. 1: 531-577, 2005.
 43. **Grafton, R.Q.** and T. Kompas. Uncertainty and the Active Adaptive Management of Marine Reserves. *Marine Policy* 29: 471-479, 2005.
 44. **Grafton, R.Q.**, F. Jotzo and M. Wasson. Financing SD: Country Undertakings and Rights for Environmental Sustainability. *Ecological Economics* 51(1-2): 65-78, 2004.
 45. **Grafton, R.Q.** and S. Knowles. Social Capital and National Environmental Performance: A Cross-Sectional Analysis. *Journal of Environment and Development* 13(4): 336-370, 2004.
 46. **Grafton, R.Q.** S. Knowles and D. Owen. Total Factor Productivity, Per Capita Income and Social Divergence. *Economic Record* 80, No. 250: 302-313, 2004.
 47. Kompas, T., T. N. Che and **R.Q. Grafton**. Technical Efficiency Effects of Input Controls: Evidence from Australia's Banana Prawn Fishery. *Applied Economics* 36: 1631-1641, 2004.
 48. Chand, S, **R.Q. Grafton** and E. Petersen, Multilateral Governance of Fisheries Management and Cooperation in the Western and Central Pacific Fisheries. *Marine Resource Economics* 18(4): 329-344, 2003.
 49. Sandal, L., S.I. Steinshamn and **R.Q. Grafton**. "More is less": the tax Effects of Ignoring Flow Externalities. *Resource and Energy Economics* 25: 239-254, 2003.
 50. Day, K.M. and **R.Q. Grafton**. Growth and the Environment in Canada: An Empirical Analysis. *Canadian Journal of Agricultural Economics* 51: 197-216, 2003.
 51. Squires, D., **R.Q. Grafton**, M.F. Alam, and I.H. Omar. Technical Efficiency in the Malaysian Gill Net Artisanal Fishery. *Environment and Development Economics* 8: 481-504, 2003.
 52. **R.Q. Grafton**. Property and Resource Management in Australia: Rights and Responsibilities. *Australian Journal of Environmental Management* 10: 70-72, 2003.
 53. Fox, K.J., **R. Q. Grafton**, J. Kirkley and D. Squires. Property Rights in a fishery: regulatory change and firm performance. *Journal of Environmental Economics and Management* 46: 156-177, 2003.

54. Dupont, D.P., **R.Q. Grafton**, J. Kirkley and D. Squires. Capacity Utilization Measures and Excess Capacity in Multi-Product Privatized Fisheries. *Resource and Energy Economics* 24: 193-210, 2002.
55. Dupont, D. and **R.Q. Grafton**. Multispecies Individual Transferable Quotas: The Scotia-Fundy Mobile Gear Groundfishery. *Marine Resource Economics* 15: 205-220, 2001.
56. Fox, K.J. and **R.Q. Grafton**. Nonparametric Estimation of Returns to Scale: Method and Application. *Canadian Journal of Agricultural Economics* 48: 341-354, 2000.
57. **Grafton, R.Q.** Governance of the Commons: A Role for the State? *Land Economics*. 76(4): 504-517, November 2000.
58. **Grafton, R.Q.**, D. Squires and K.J. Fox. Private Property and Economic Efficiency: A Study of a Common-Pool Resource *The Journal of Law and Economics* 43: 679-713, October 2000.
59. **Grafton, R.Q.**, S.I. Steinshamn and L. Sandal. How to Improve the Management of Renewable Resources: The Case of Canada's Northern Cod Fishery, *American Journal of Agricultural Economics* 82: 570-580, August 2000.
60. Devlin, R.A., **Grafton, R.Q.** and D. Rowlands, Rights and Wrongs: A Property Rights Perspective of Russia's Market Reforms, *The Antitrust Bulletin*: 275-296, Spring 1998.
61. **Grafton, R.Q.** and D.E. Lane, Canadian Fisheries Policy: Challenges and Choices, *Canadian Public Policy* 24: 133-148, 1998.
62. **Grafton, R.Q.**, R.W. Lynch and H.W. Nelson, British Columbia's Stumpage System: Economic and Trade Policy Implications, *Canadian Public Policy* 24: S41-50, 1998.
63. Squires, D. H. Campbell, S. Cunningham, C. Dewees, **R.Q. Grafton**, S.F. Herrick Jr., J. Kirkley, S. Pascoe, K. Salvanes, B. Shallard, B. Turris and N. Vestergaard, Individual Transferable Quotas in Multispecies Fisheries, *Marine Policy* 22(2): 135-159, 1998.
64. Foulo, T. and **R.Q. Grafton**, Structural Adjustment in Lesotho: An Evaluation, *Journal of Policy Modeling* 20: 791-814, 1998.
65. **Grafton, R.Q.**, T. Hazledine and B. Butchardt, The New Zealand Economic Revolution: Lessons for Canada? *Canadian Business Economics* 6(Fall): 3-19, 1997.
66. **Grafton, R.Q.** and J. Silva-Echenique, How to Manage Nature? Strategies, Predator-Prey Models and Chaos, *Marine Resource Economics* 12: 127-143, 1997.
67. **Grafton, R.Q.** and H.W. Nelson, Fishers' Individual Salmon Harvesting Rights: An Option for Canada's Pacific Fisheries, *Canadian Journal of Fisheries and Aquatic Sciences* 54(February): 474-482, 1997.
68. **Grafton, R.Q.**, D. Squires and J. Kirkley, Turning the Tide? Private Property Rights and the Crises in World Fisheries, *Contemporary Economic Policy* 14(4): 90-99, 1996.
69. **Grafton, R.Q.** Implications of Taxing Quota in an Individual Transferable Quota Fishery: A Comment, *Marine Resource Economics* 11: 125-127, 1996.
70. **Grafton, R.Q.** and D. Rowlands, Development Impeding Institutions: The Political Economy of Haiti, *Canadian Journal of Development Studies* 17(2): 261-278, 1996.
71. **Grafton, R.Q.** and R.A. Devlin, Paying for Pollution: Permits and Charges, *Scandinavian Journal of Economics* 98(2): 275-288, 1996.
72. **Grafton, R.Q.**, Experiences with Individual Transferable Quotas: An Overview, *Canadian Journal of Economics* 29: s135-138, 1996.
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