

Daniel R. Gregg

CONTACT INFORMATION dgregg@une.edu.au

RESEARCH INTERESTS

- Smallholder-inclusive supply chains
- Sustainable development/production
- Decision making under risk and uncertainty
- Food Economics (consumer choice)
- Productivity and Efficiency Analysis (SFA/DEA)
- Environmental Economics

RESEARCH CAPABILITIES

- Statistical/Econometric analysis (using R)
- Full-stack programming (Python-Django, MERN)
- Survey design (rural development, Likert-based approaches, impact-evaluation, stated preference methods)
- Laboratory experiments (design, programming, analysis, running)
- Field experiments (design, analysis, running)
- Applied econometrics (e.g. productivity, choice experiments, time-series, impact evaluation, SEM and more)

EDUCATION

Central Queensland University, Rockhampton, Queensland (Australia)

- Ph.D., **Natural Resource Economics**, Sept. 2015
Thesis Title: “Analysing management decisions in agriculture that impact on natural resources”
Advisors: [John Rolfe](#), Ph.D and [Chris O’Donnell](#), Ph.D
Reviewers: [Jean-Paul Chavas](#), PhD; [John Quiggin](#), PhD and; [Céline Nauges](#), PhD

University of Queensland, Brisbane, Queensland (Australia)

- B.Natural Resource Economics (Hons. 2A) Dec. 2007
Thesis Title: “Factors influencing the adoption of improved maize varieties in East timor”
Advisor: [Rob Cramb](#), Ph.D

CITATION STATISTICS

H index=7 (Scopus); 9 (Google Scholar)
Total citations: 325 (Scopus); 626 (Google Scholar)

RESEARCH EXPERIENCE

Senior Research Fellow (60 Percent FTE) Business School, University of New England	Jan 2020-current
Senior Research Fellow Centre for Global Food and Resources, The University of Adelaide	Jan 2017-Jan 2020
Senior Lecturer (Asst. Prof.)	Feb 2016-Jan 2017
Assoc. Director, Waikato Exp. Econ. Lab	Jul 2015-Jan 2017
Lecturer (Asst. Prof.) School of Economics, The University of Waikato	May 2015-Jan 2016
Senior Research Officer School of Business and Informatics, Central Queensland University	Jul 2012-Mar 2015

Research Officer	Aug 2009-Jul 2012
School of Business and Informatics, Central Queensland University	
Research Officer	Jan 2008-Jun 2009
River Consulting, Townsville, Queensland (Australia)	

CONSULTING,
COMMERCIAL
ACTIVITIES

Co-founder and Director 2019-current, Intersection Traders
Intersection Traders is a smallholder-focused ethical coffee supply chain program operating in Uganda and Australia. The supply chain implemented within this business is derived from economic-theoretic principles with a focus on eliminating contracting costs of contracting with many smallholders whilst enhancing quality-assurance. The business has been operating since 2019 and is a proof of concept over the potential to implement smallholder-focused supply chains that deliver high-quality and high returns. Intersection Traders operates a retail cafe in Adelaide, South Australia.

Founder and Principle 2021-current, ADaPT Systems
ADaPT (Automatic Disbursement and Procurement Tracking) Systems is a technology-focused social enterprise company founded around a digital procurement application that provides automation of supply chain procurement, payment and governance processes with a focus on inclusivity. ADaPT massively reduces supply chain procurement costs, increases supply chain transparency and quality assurance, improves governance and facilitates the implementation of ethical approaches to procurement through integration with smallholder-focused supply chain governance systems and the growing number of tech-based financial tools. ADaPT Systems provides a mechanism through which supply chain enterprises can implement changes to procurement that increase returns to source-country suppliers whilst increasing supply chain efficiency and, additionally, providing a mechanism to assure consumers regarding ethical claims.

Co-Founder and Principle Consultant 2021-current, econ-lab
Econ-lab is a modern economics consulting enterprise that provides internationally recognised research capacity in economic analysis with a focus on rural development and resource economic analysis. Econ-lab seeks to fill a niche between research and consulting by providing robust (peer-reviewed) and rapid turn-around in reporting. Econ-lab consultants use leading economic methods, integrating best-practice theoretical and empirical methods whilst ensuring that projects are robust to peer-review through the use of external review mechanisms. Econ-lab works with clients to determine the best approach to solving problems cognisant of robustness, cost, efficiency and target audiences.

OTHER
POSITIONS

Associate Editor 2018-current, Australian Journal of Agricultural and Resource Economics
Secretary 2018-2019, Australasian Agricultural and Resource Economists Society

AWARDS

Best post-graduate thesis	AARES 2016
Best post-graduate thesis	CQ University 2016
Australian Postgraduate Award	2011-2015

1. Mead, N., Garbinsky, E. and **Gregg, D.** 2021. "Popping the Positive Illusion of Financial Responsibility Can Increase Personal Savings: Applications in Emerging and Western Marke", *Journal of Marketing*, 85(3): 97-112. Impact Factor 7.8, A* (ERA/ABDC).
2. Collard, S., O'Connor, P., Prowse, A., **Gregg, D.** and Bond, A. (2020). "Objectives versus realities: Spatial, temporal, financial and social deficiencies in Australia's public revegetation invetsment model." *Ecological Management and Restoration*. **21**: 35-41. Impact Factor 1.086.
3. Hasibuan, M., **Gregg, D.**, and Stringer, R. 2020. "Accounting for diverse risk attitudes in measures of risk perceptions: A case study of climate change risk for small-scale citrus farmers in Indonesia." *Land Use Policy*. **95**. Impact Factor 3.682. A rank (ABDC, ERA)
4. Wheeler, S., **Gregg, D.** and Singh, M. 2019. "Understanding the role of social desirability bias and environmental attitudes and behaviour on South Australians' stated purchase of organic foods", *Food Quality and Preference*. **74**: 125-134. Impact Factor 3.65. A rank (ERA).
5. Loch, A. and **Gregg, D.** 2018. "Salinity management in the Murray-Darling Basin: a transaction cost study", *Water Resources Research*. **54**(11): 8813-8827. Impact Factor 4.36. A* rank (ABDC,ERA).
6. **Gregg, D.** and Wheeler, S. 2018. "How can we value an environmental asset that very few have visited or heard of? Lessons learned from applying contingent and inferred valuation in an Australian wetlands case study ", *Journal of Environmental Management*. Accepted April 2018. Impact Factor 4.01. A rank (ERA).
7. **Gregg, D.** and Rolfe, J. 2018. "Myopia and saliency in renewable resource management", *Australian Journal of Agricultural and Resource Economics*, **59**:1-26. Impact Factor 1.826. A rank (ERA, ABDC).
8. **Gregg, D.** and Rolfe, J. 2017. "Risk behaviours and grazing land management: A framed experimental investigation of decision making under risk and linkages to range land condition", *Journal of Agricultural Economics*, **86**: 682-709. Impact Factor 1.795 A rank (ERA, ABDC).
9. **Gregg, D.** and Rolfe, J. 2016. "Dynamic decision making and bounded rationality: Review of a framed dynamic decision experiment conducted in the field", *Land Use Policy* **54**: 508-521. Impact Factor 3.682, A rank (ABDC, ERA)
10. **Gregg, D.** and Rolfe, J. 2016. "The value of environmental health across conditional efficiency quantiles", *Ecological Economics*, **128**: 44-54. Impact Factor 3.049. A rank (ABDC, ERA)
11. Rolfe, J. and **Gregg, D.** 2015. 'Factors affecting adoption of improved management practices in the pastoral industry in Great Barrier Reef catchments', *Journal of Environmental Management*, **157**: 182-193. 1 Citation, Impact Factor 3.507, A rank (ABDC, ERA).
12. Greiner, R., Franklin, D. and **Gregg, D.** 2013. "Towards an improved understanding of angler tourism in northern Australia: The 'grunter hunters' of Karumba (Queensland)", *Fisheries Management and Ecology*, **20**: 161-173. 1 Citation, Impact Factor 1.8, B rank (ERA).

13. Rolfe, J. and **Gregg, D.** 2012. “Valuing beach recreation across a regional area: The Great Barrier Reef in Australia”, *Ocean and Coastal Management*, **69**: 282-290. 11 Citations, Impact Factor 1.728.
14. **Gregg, D.**, Rolfe, J. 2011. “Identifying sources and trends for productivity growth in Queensland broad-acre beef enterprises”, *Animal Production Science*, **52**(1):443-453. 5 Citations, Impact Factor 0.854, A rank (ERA).
15. Rolfe, J., **Gregg, D.**, Ivanova, G., Lawrence, R. and Rynne, D. 2011. “The economic contribution of the resources sector by regional areas in Queensland”, *Economic Analysis and Policy*, **41**(1): 15-36. 15 Citations, Impact Factor 0.41, C rank (ERA), B rank (ABDC)
16. Greiner, R. and **Gregg, D.** 2011. “Farmers’ intrinsic motivations, barriers to the adoption of conservation practices and effectiveness of policy instruments: Empirical evidence from northern Australia”, *Land Use Policy*, **28**(1): 275-265. Impact Factor 3.682, A rank (ABDC, ERA).
17. Greiner, R. and **Gregg, D.** 2010. “Considering recreational catch and harvest in fisheries management at the bio-regional scale”, *Fisheries Management and Ecology*, **17**: 336-345. 3 Citations, Impact Factor 1.8, B rank (ERA).

PAPERS UNDER REVIEW

1. **Gregg, D.**, and Just, D. “Consumption and income dynamics of the rural poor”. Revise and Resubmit, *Economic Development and Cultural Change*
2. Nguyen, D., **Gregg, D.**, Umberger, W. and Zeng, D. “Reconsidering the assumptions underpinning food market modernisation in Vietnam: A critical analysis of urban household retail format choices in relation to food safety, price, and convenience” Submitted to *Food Policy* (Nov 2020).

WORKING PAPERS (CLOSE TO SUBMISSION)

1. “Inefficiency in the household: A revealed preference study on keeping income private from spouses in rural Uganda” with Arslan, C. and Stringer, R.
2. “Livelihood Trajectories with Heterogeneous Technology Sets in Rural India”. With Daniel Hill and Shalander Kumar
3. “Participation and bidder behaviour in reverse auctions with anticipated regrets and competition uncertainty” With Steven Schilizzi, Sayed Iftekar and Patrick O’Connor.
4. “Nonlinear patterns in the relation between productivity and farm size in the context of Indian land policies” With Anupama GV and Thomas Falk.
5. “Drivers of participation in higher cost and lower value coffee markets: A case study of parchment market participation in eastern Uganda from an asymmetric information and credit constraints perspective” with Cansin Arslan.

TEACHING

Agricultural Trade (Masters)	2015
Agricultural Trade (Undergraduate)	2016
Introduction to Microeconomics (MBA)	2016
Trends and Issues in the Global Food System (Masters)	2019

WORKSHOPS DELIVERED	Intermediate Econometrics in R	February 2016
REFeree ACTIVITIES	Agricultural Economics, Ecological Economics, Climatic Change, Australian Journal of Agricultural and Resource Economics, New Zealand Economic Papers, Food Security	
VISITING SCHOLAR	ICRISAT	2018-2019 (3 months several visits)
	SLU (Swedish University of Agricultural Sciences)	Feb-Apr 2015
	SLU (Swedish University of Agricultural Sciences)	Feb-Apr 2014
	Stirling University	November 2011
SEMINAR PRESENTATIONS	<i>Do we need to go further in analysing and intervening in value chain upgrading?</i>	
	October 2020	
	University of New England	
	<i>Consumption and income dynamics of the rural poor</i>	July 2019
	Wageningen University	
	<i>Output quality incentives under aggregation and monitoring failure in smallholder-dominated coffee supply chains</i>	July 2019
	Gottingen University	
	<i>Heterogeneity in wealth dynamics in India</i>	July 2018
	University of Adelaide	
	<i>Heterogeneity in wealth dynamics in India</i>	July 2018
	University of Adelaide	
	<i>Market integration, correlation aversion and interventions supporting poor farmers in Rajasthan</i>	April 2016
	University of Otago	
	<i>The value of environmental health</i>	March 2015
	SLU (Swedish University of Agricultural Sciences)	
	<i>Complexity Induced Myopia</i>	October 2014
	University of Queensland	
	<i>Complexity Induced Myopia</i>	September 2014
	University of Otago	
	<i>Complexity Induced Myopia</i>	June 2014
	Monash University	
	<i>Complexity Induced Myopia</i>	March 2014
	SLU (Swedish University of Agricultural Sciences)	
	<i>Ecological dynamics in agricultural production</i>	April 2014
	SLU (Swedish University of Agricultural Sciences)	

PROJECTS

Sustainability standards and certification: A review of concepts and international practices for Australian agro-food enterprises and industries.

Position: Principal Investigator

Project value: \$15,000 AUD

Funding body: Australian Farm Institute

Considering the potential for adaptive management to achieve improved economic, environmental, social, and cultural outcomes for Aboriginal grazing enterprises and associated stakeholders in the Fitzroy River (Martuwarra) area of northern Western Australia.

Position: Principal Investigator

Project value: \$10,000 AUD

Funding body: Pew Charitable Trusts

Agricultural Marketing Strategy for Shared Prosperity in Agro-food Development.

Position: Co-PI

Project value: \$130,000 (USD)

Funding body: World Bank, Malaysia

Agricultural Policy Research to Support Natural Resource Management in Indonesia's Upland Landscapes (INDOGREEN) (University of Adelaide, 2018-2022).

Position: Principal Investigator

Project value: \$1,600,000 (AUD)

Funding body: Australian Centre for International Agricultural Research

Developing value chain innovation platforms to improve food security in east and southern Africa (University of Adelaide, 2015-2019).

Position: Principal Investigator (Australian component)

Project value: \$2,999,000 (USD)

Funding body: Australian Centre for International Agricultural Research

Designing for Uncertainty in Conservation Auctions - sub-contract to conduct experimental studies (University of Adelaide, 2018).

Position: Principal Investigator

Project value: \$26,000 (AUD)

Funding body: University of Western Australia

Valuing Parrakie Wetlands (University of Adelaide, 2016).

Position: Co-Investigator

Project value: \$10,000 (AUD)

Funding body: Parrakie Wetland Owners

Two 'wrongs' can make a 'right': Behavioural irrationality as an evolutionary response to bounded rationality (University of Waikato, 2015).

Position: Principal Investigator

Project value: \$40,000 (NZD)

Funding body: Waikato University Strategic Investment Fund

Seed funding to establish a productivity research centre at the University of Waikato (University of Waikato, 2015).

Position: Principal Investigator

Project value: \$6,000 (NZD)

Funding body: Waikato Management School

Considering optimal management of common grazing resources in the Rajasthan area of India: Scoping and initial survey (University of Waikato, 2015).

Position: Principal Investigator

Project value: \$13,000 (NZD)

Funding body: Waikato Management School

The value of recreational angling in stocked impoundment permit scheme dams in Queensland (Central Queensland University, 2012).

Position: Investigator

Project value: \$127,431.82

Funding body: Queensland Department of Agriculture, Fisheries and Forestry

The meeting place: Estimating the economic value of ground cover and sustainable production practices to broad acre grazing enterprises (Central Queensland University, 2011).

Position: Principal Investigator

Project value: \$39,217

Funding body: Fitzroy Basin Association

Develop a Water Quality metric for Melbourne Water (Central Queensland University, 2010).

Position: Investigator

Project value: \$72,628

Funding body: Melbourne Water

Water quality impacts of recreation activity in the Great Barrier Reef Marine Park (River Consulting, 2008).

Position: Principal Investigator

Project Value: \$42,800

Funding body: Great Barrier Reef Marine Park Authority

Review of the Sugar Industry Reform Package (River Consulting, 2008).

Position: Investigator

Project value: \$139,000

Funding body: Australian Government Department of Agriculture Forestry and Fisheries.

Participation in conservation covenants and conservation management agreements by NT pastoralists (River Consulting, 2008).

Position: Investigator

Project value: \$19,800

Funding body: Natural Resource Management Board, NT.