

DAVID A. FLEMING

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www.motu.nz/about-us/people/david-fleming

EDUCATION

PhD, Applied Economics (AEREC Program)
The Pennsylvania State University (USA), 2012

MS, Applied Economics (AEREC Program)
The Pennsylvania State University (USA), 2008

BA, Agricultural Engineering (major in Agricultural Economics)
Pontificia Universidad Católica (Chile), 2002

PROFESSIONAL APPOINTMENTS

Fellow

Motu Economic and Public Policy Research (Wellington, New Zealand), present

Senior research economist

CSIRO (Canberra, Australia), 2012–2016

Research fellow

The Northeast Regional Center for Rural Development
The Pennsylvania State University (PA, USA), 2009–2012

Research assistant

Department of Agricultural Economics and Rural Sociology
The Pennsylvania State University (PA, USA), 2006–2009

PUBLICATIONS

Articles in peer-reviewed journals:

1. Measham, T., **Fleming, D.** and H. Schandl (2016). A Conceptual Model of the Socioeconomic Impacts of Unconventional Fossil Fuel Extraction. *Global Environmental Change* 36, pp. 101–110
2. Foran, T., **Fleming, D.**, Spandonide, B., Williams, R. and D. Race (2016). Understanding Energy-related Regimes: A Participatory Approach from Central Australia. *Energy Policy* 91, pp. 315–324

3. Li, M., Goetz, S., Partridge, M. and **D. Fleming** (2016). Location Determinants of High-growth Firms. *Entrepreneurship & Regional Development* 28 (1-2), pp. 97–125
4. **Fleming, D.**, Measham, T. and D. Paredes (2015). Understanding the Resource Curse (or Blessing) across National and Regional Scales: Theory, Empirical Challenges and an Application. *Australian Journal of Agricultural and Resource Economics*, 59 (4), pp. 624–639
5. **Fleming, D.** and T. Measham (2015). Local Economic Impacts of an Unconventional Energy Boom: The Coal Seam Gas Industry in Australia. *Australian Journal of Agricultural and Resource Economics* 59 (1), pp. 78–94
6. **Fleming, D.** and T. Measham (2015). Income Inequality across Australian Regions during the Mining Boom: 2001-2011. *Australian Geographer* 46 (2), pp. 201–214
7. Measham, T. and **D. Fleming** (2014). Socio-economics: Assess Benefits and Costs of Shale Energy. *Nature* 510 (7506), p. 473
8. **Fleming, D.**, Chong, A. and D. Bejarano (2014). Trust and Reciprocity in the Aftermath of Natural Disasters. *Journal of Development Studies* 20 (11), pp. 1482–1493
9. **Fleming, D.** and T. Measham (2014). Local Job Multipliers of Mining. *Resources Policy* 41, pp. 9–15
10. **Fleming, D.** (2014). Slippage Effects of Land-Based Policies: Evaluating the Conservation Reserve Program Using Satellite Imagery. *Papers in Regional Science* 93 (S1), pp. 167–178
11. Measham, T. and **D. Fleming** (2014). Impacts of Unconventional Gas Development on Rural Community Decline. *Journal of Rural Studies* 36, pp. 376–385
12. **Fleming, D.** and D. Abler (2013). Does Agricultural Trade affect Productivity? Evidence from Chilean Farms. *Food Policy* 41, pp. 11–17
13. Goetz, S., **Fleming, D.** and A. Rupasingha (2012). The Economic Impacts of Self-employment. *Journal of Agricultural and Applied Economics* 44 (3), pp. 315–321
14. **Fleming, D.** and S. Goetz (2011). Does Local Firm Ownership Matter? *Economic Development Quarterly* 25 (3), pp. 277–281
15. **Fleming, D.**, Abler, D. and S. Goetz (2010). Agricultural Trade and Poverty in Chile: A Spatial Analysis of Product Tradability. *Agricultural Economics* 41 (6), pp. 545–553
16. Kinsella, J., Goetz, S., Partridge, M., Deller, S. and **D. Fleming** (2010). Evaluating RD Policies for Social and Human Capital Development. *EuroChoices* 9 (1), pp. 42–47
17. Goetz, S., Partridge, M., Deller, S. and **D. Fleming** (2010). Evaluating U.S. Rural Entrepreneurship Policy. *Journal of Regional Analysis and Policy* 40 (1), pp. 20–33

Book chapters, conference proceedings, online reports and working papers (select):

1. **Fleming, D.**, Cai, Y., Graham, P. and T. Measham (2016). Evaluating Economic Models to Forecast Regional Socioeconomic Impacts Generated by Unconventional Fossil Fuel

- Extraction. Project report for the Gas Industry Social and Environmental Research Alliance (GISERA)
2. Measham, T., Moffat, K., **Fleming, D.** and A. Reeson (forthcoming). Impacts and Benefits: Earth Resources and Society. In Littleboy, A. and R. Chamberlain (Eds.) Resources: Science and Solutions for Australia. CSIRO Publishing, Melbourne
 3. Moffat, K., Boughen, N., Zhang, A., Lacey, N., **Fleming, D.** and K. Uribe (2014). Chilean Attitudes toward Mining, Citizen Survey – 2014 Results. Mineral Resources Flagship report, CSIRO
 4. Foran, T., **Fleming, D.** and B. Spandonide (2014). A Conversation about Energy Futures for Remote Australian Communities. Cooperative Research Centre (CRC) for Remote Economic Participation Working Paper CW019, Ninti One Limited, Alice Springs, Australia
 5. **Fleming, D.** (2013). Assessing Regional Economic Impacts across a Mining Boom Country: Australia, 2001–2011. Refereed proceedings of the 2nd Social Responsibility in Mining conference, Santiago de Chile
 6. **Fleming, D.** and T. Measham (2013). Disentangling the Natural Resources Curse: National and Regional Socioeconomic Impacts of Resource Windfalls. Selected paper prepared for presentation at the Agricultural & Applied Economics Association's 2013 AAEA & CAES joint annual meeting, Washington DC
 7. Brown, J., Goetz, S. and **D. Fleming** (2012). Multifunctional Agriculture and Farm Viability in the United States. Selected paper prepared for presentation at the Agricultural & Applied Economics Association's 2012 annual meeting, Seattle WA
 8. Measham, T. and **D. Fleming** (2012). Lessons from Developments of Resource Extraction Industries in Rural Areas: A Literature Review. Project report for the Gas Industry Social and Environmental Research Alliance (GISERA)
 9. **Fleming, D.**, McGranahan, D. and S. Goetz (2009). Natural Amenities and Rural Development: The Role of Land-Based Policies in the U.S. Rural development paper No. 45, The Northeast Regional Center for Rural Development, University Park PA

CONFERENCE, SEMINAR & WORKSHOP PRESENTATIONS

Keynote Speaker

Australian Regional Development Conference, September 2016

Invited seminars (chronological order):

Centro de Investigación y Docencia Económicas CIDE (Mexico DF, 2011); University of Sydney – Department of Agricultural Economics (Web conference, 2011); Universidad de Talca – Department of Agricultural Economics (Chile, 2012); Universidad Católica del Norte – Department of Economics (Chile, 2012); University of Ottawa – Department of Economics (Ottawa, 2012); Penn State University – The Marcellus Shale Centre (USA, 2013); AARES ACT Branch Seminar (Canberra, 2014); University of Queensland – Sustainable Minerals Institute (Brisbane, 2015); University of Canberra – Institute for Governance and Policy Analysis (Canberra, 2015); Kasetsart

University – Department of Economics (Bangkok, 2016); Motu Economic & Public Policy Research (Wellington, 2016); McGill University – Department of Natural Resources (Montreal, 2016); Macquarie University – Department of Economics (Sydney, 2016); Universidad de Santiago de Chile – Department of Economics (Santiago, 2016)

Workshop and conference presentations by invitation (chronological order):

OECD – Expert consultation workshop (Paris, 2009); Latin American and Caribbean Environmental Economics Program – Research workshops (Ecuador, 2010 – Panama, 2010 – Costa Rica, 2011); North American Regional Science Council annual meeting – Regional development special session (Washington DC, 2014); ANU Crawford School – Public symposium (Canberra, 2015); International Centre for Integrated Mountain Development – Water-livelihood-gender nexus workshop (Nepal, 2016); Regional, Urban and Spatial Economics workshop (China, 2016); CESIEP Desarrollo de Politicas Publicas basada en Evidencia: Desafios y Oportunidades (Chile, 2016)

Conference presentations by submitted paper/abstract (alphabetical order):

Agricultural & Applied Economics Association (AAEA) annual meetings (2010, 2011, 2013); Australian Agricultural & Resource Economics Society (AARES) annual conferences (2013, 2014, 2016); Australia & New Zealand Regional Science Association International (ANZRSAI) annual conference (2012); Canadian Agricultural Economics Society/NAREA joint conference (2008); Emerging Issues along Urban/Rural Interfaces III conference (2010); Institute of Australian Geographers (IAG) conference (2015); International Society for Ecological Economics (ISEE) annual conference (2016); International Symposium for Society and Resource Management (ISSRM) conference (2016); North American Regional Science Council (NARSC) annual meetings (2011, 2012); Regional Studies Association (RSA) Australasian conference (2015); Southern Regional Science Association (SRSA) annual meeting (2010); World Congress of Environmental and Resource Economists (2010)

OUTREACH & PROFESSIONAL INVOLVEMENT

Membership in professional associations:

American Economic Association; Agricultural & Applied Economics Association; Australian Agricultural & Resource Economics Society; North American Regional Science Council; European Association of Environmental & Resource Economists

Leadership in professional associations:

President, Australian Agricultural & Resource Economics Society ACT Branch (2016)

Editorial services:

Associate editor, *Resources Policy* (Jan 2016–present)
Associate editor, *Land Use Policy* (Apr 2016–present)

Referee services for journals (alphabetical order):

Australian Journal of Agricultural and Resource Economics; *Ecological Economics*; *Economic Development Quarterly*; *Economic Papers*; *Energy Economics*; *Environment and Development*

Economics; Environmental Science and Policy; Journal of Agricultural Economics; Journal of Economic Surveys; Journal of Development Studies; Journal of Industrial Ecology; Journal of Regional Science; Journal of Rural Studies; Land Use Policy; Mineral Economics; PLOS One; Resources Policy; Rural Society; Society and Natural Resources

Referee services for research grant agencies (alphabetical order):

Comisión Nacional de Investigación Científica y Tecnológica de Chile; Latin American and Caribbean Environmental Economics Program; Northeast Regional Center for Rural Development; Partnership for Economic Policy (African Office)

Articles in news media:

“What makes one Economy more Resilient than Another?” *The Conversation*, Mar 2016 [>2,700 reads]

“Rich and Poor: Which Areas of Australia are Most Unequal?” *The Conversation*, Sept 2015 (republished by *The Guardian*) [>13,500 reads]

“How Coal Seam Gas is changing the Face of Rural Queensland” *The Conversation*, Jan 2014 [>8,000 reads]

AWARDS & GRANTS (select)

2016, Research grant (PI, \$113,000), Gas Industry Social and Environmental Research Alliance
2015, Research grant (co-PI, \$250,000), Gas Industry Social and Environmental Research Alliance
2015, Award for outstanding achievements, CSIRO Land & Water
2015, Award for performance, CSIRO Adaptive Social and Economic Systems Program
2014, Award of excellence in research, CSIRO Socio and Economics Sciences Research Program
2012, Award for best conference paper, ANZRSIAI 2012 Annual Conference
2011, Scholarship, EAERE Belpasso International Economics Summer School
2010, Competitive research grant (PI, \$15,000), LACEEP
2010, Travel award for dissertation research, Penn State University
2010, Scholarship, Future Leaders Forum, Assoc. for International Ag. and Rural Development
2010, Competitive research grant (PI, \$2,000), College of Ag. Sciences, Penn State University
2006, Fulbright scholarship
2003, Fellowship, The Egyptian International Centre for Agriculture
2000, Award for academic excellence, Pontificia Universidad Católica de Chile

TEACHING

Undergraduate courses:

Teaching assistant, PUC Chile: Applied economics, 2001; Business management, 2000
Guest Lecturer, Penn State University: AGEC450 International development, 2011

Postgraduate courses:

Teaching assistant, Penn State University: AEREC 536 Agricultural commodity markets (empirical industrial organization and food marketing), 2011

NON-ACADEMIC LEADERSHIP ROLES & AWARDS (select)

2015–2016, President, Spanish Speakers Association Inc. (Australia), not-for-profit organization
2010, The Ardeth and Norman Frisbey International Student Award, Penn State University
2009–2010, Founder and president, Latin American Graduate Student Association, Penn State University

ADDITIONAL INFORMATION

Languages: English; Spanish (native)

Nationality: Ireland, Chile

Skype: david_fleming_m | **Twitter:** @dflemingm | **Researcher ID:** H-2442-2012

Google Scholar Profile: OWQUbIAAAAJ