

Siân Mooney, Ph.D. Professor

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Academic Training:

- Ph.D. 1998 Agricultural and Resource Economics (Resource and Environmental Economics)
Oregon State University
Dissertation: A Cost Effectiveness Analysis of Actions to Reduce Stream Temperature: A Case Study of the Mohawk Watershed
Committee: Ludwig Eisgruber (Chair – deceased); William Boggess; Rebecca Johnson; Stephen Polasky; John Tanaka and Floyd Bodyfelt
- M.Sc. 1990 Agricultural Economics and Farm Management University of Manitoba
Thesis: Economic Analysis of a 2*CO₂ Greenhouse Scenario on the Agricultural Sector Within Manitoba.
Committee: Louise Arthur (Chair – deceased); Scott Jeffrey; Carl Shaykewich
- B.Sc.(Hons) 1987 Agricultural Economics University College of Wales – Aberystwyth

Research Activities

Interdisciplinary work in agricultural economics: characteristics and incidence
Climate Change and Water Resources
Efficient Policy Design for Agricultural Soil Carbon Sequestration
Transaction costs associated with Measuring and Monitoring Soil Carbon
Co-Benefits from Carbon Sequestration
Asymmetric information within the Carbon Offset Market
Spatial Analysis and Geographical Information Systems in Economics Research
Sustainability of Livestock Systems – Drought, Remote Sensing Information
Integration of Economic and Ecological Models and Model Uncertainty

Courses Taught

Environmental Markets
Carbon Markets and Forest Economics
Firm Behavior and Production Economics
Research Methodology
Integrated Assessment Modeling and Economic Measures of Poverty
Economics of Rangeland Resources
Microeconomics Principles
Microeconomics Intermediate

Professional Societies

Agricultural and Applied Economics Association (AAEA), Committee for Women in Agricultural Economics (CWAE); Western Agricultural Economics Association (WAEA); Canadian Agricultural Economics Society (CAES); Association of Environmental and Resource Economists (AERE).

EMPLOYMENT HISTORY

- 2011(Aug) – PROGRAM DIRECTOR, National Science Foundation, Experimental Program to Stimulate Competitive Research
- 2009 - PROFESSOR Department of Economics, Boise State University (granted tenure)
- 2006- 2009 ASSOCIATE PROFESSOR Department of Economics, Boise State University (appointed as Graduate Faculty 2007)
- 2002-2006 ASSISTANT PROFESSOR Department of Agricultural and Applied Economics, University of Wyoming (appointed as Graduate Faculty 2004)
- 2000-2002 ASSISTANT RESEARCH PROFESSOR Department of Agricultural Economics and Economics, Montana State University
- 1998-1999 POSTDOCTORAL FELLOW Trade Research Center, Montana State University

PROFESSIONAL LEADERSHIP, AWARDS AND RECOGNITION***Professional Positions and Leadership*****Current**

- Member Boise State University, President's Leadership Academy 2010-2011
- External COMMITTEE MEMBER, Ph.D. committee – Travis McLing, University of Idaho 2008-
- Member Idaho Governor's Strategic Energy Alliance- 2007-
- Member Idaho Governor's Carbon Sequestration Advisory Committee 2007-

Past

- 2010-2011 CHAIR, Faculty Senate Research Committee
- 2010 – 2011 COMMITTEE MEMBER M.S. Master of Interdisciplinary Studies, Morty Prisant Boise State University
- 2009-2010 External COMMITTEE MEMBER, M.S. Applied Economics, Xiaozhe Shen - University of Idaho
- 2008-2011 BSU liaison and BSU Project Director NSF EPSCOR RII grant – “Water Resources in a Changing Climate”
- 2008-2011 Economics and Policy group lead on NSF EPSCOR RII grant – “Water Resources in a Changing Climate”
- 2008-2009 External COMMITTEE MEMBER, MAB (Master of Agribusiness) Committee – James Arati, Kansas State University
- 2008 MEMBER AAEA Selected Paper Review Committee
- 2007-2011 Member BSU Undergraduate Research Committee
- 2007-2010 Member BSU Research Advisory Board
- 2007-2009 Affiliate Center for Advanced Energy Studies
- 2007-2009 Member Research Support Enhancement Task Force, College of Business and Economics. BSU
- 2006 MEMBER NASA Applied Science Program Review Panel: Decision Support Through Earth-Sun Science Research Results
- 2006 MEMBER American Agricultural Economics Association Selected Paper Review Panel
- 2006 MEMBER American Agricultural Economics Association Poster Review Panel
- 2006 MEMBER Western Agricultural Economics Association Selected Paper Review Committee
- 2005-2008 Committee for Women in Agricultural Economics (CWAE) Tracking Survey Advisory Board
- 2005-2007 NEWSLETTER CO-EDITOR Committee for Women in Agricultural Economics, American Agricultural Economics Association
- 2005-2006 MEMBER White Paper Working Group, Adding Value to Wyoming's Coal Resource
- 2005 WELCOMING AND CLOSING ADDRESS Joint luncheon for Committee for Women in

- Agricultural Economics/Committee on the Status and Opportunities for Blacks in Agricultural Economics at the American Agricultural Economics Association Annual Meetings.
- 2005 MEMBER SEARCH COMMITTEE Associate Dean, College of Agriculture
- 2004-2006 MEMBER Faculty Senate, University of Wyoming
- 2004-2005 ASSOCIATE EDITOR *Journal of Environmental Quality*, special issue.
- 2004-2006 MEMBER Energy Planning Group, Institute for Environment and Natural Resources, University of Wyoming
- 2003-2005 BOARD MEMBER AT LARGE Committee for Women in Agricultural Economics, American Agricultural Economics Association
- 2003-2004 MEMBER SEARCH COMMITTEE Department Head, Agricultural and Applied Economics
- 2003-2004 CHAIR SELECTION COMMITTEE Best MS thesis award, Western Agricultural Economics Association
- 2003 INVITED EXPERT TESTIMONY Canadian Senate, Standing Committee on Agriculture and Forestry Adaptation to Climate Change
- 2003 VISITING SCIENTIST School of Natural Resource Sciences, University of Nebraska.
- 2002-2006 MEMBER Wyoming Carbon Storage/Sequestration Advisory Committee, appointed by Governors Geringer and Freudenthal
- 2002-2003 MEMBER SELECTION COMMITTEE Best MS thesis award, Western Agricultural Economics Association
- 2002-2003 MEMBER SELECTION COMMITTEE Teaching award - Less than 10 Years Experience, Western Agricultural Economics Association
- 2002 FINALIST Best poster competition, American Agricultural Economics Association.
- 2002 MEMBER SELECTION COMMITTEE Best Ph.D. Dissertation, Canadian Agricultural Economics Society
- 2001 PANEL MEMBER EPA's Science to Achieve Results Program, Socio-economic Futures Proposals
- 2000-2002 ADVISORY COMMITTEE National Carbon Offset Coalition
- 2000-2002 MEMBER Montana Governor's Carbon Sequestration Working Group Watershed Enhancement USDA/NRCS
- 1992-1997 RESEARCH ASSISTANT Department of Agricultural and Resource Economics, Oregon State University
- 1990-1992 RESEARCH ASSOCIATE Department of Agricultural Economics and Farm Management, University of Manitoba
- 1990-1991 RESEARCH ASSOCIATE University of Manitoba Transport Institute
- 1988-1990 RESEARCH ASSOCIATE Department of Agricultural Economics and Farm Management, University of Manitoba
- 1986-1987 UNDERGRADUATE RESEARCH ASSISTANT University College of Wales, Aberystwyth

Professional Awards and Nominations

- 2011 Finalist – Distinguished Professor, Boise State University
- 2010 Nominated for Foundation Scholar – Research, Boise State University
- 1997 OUTSTANDING PRESENTATION AWARD Outstanding Presentation in Agricultural Science, Oregon State University Graduate Student Association.
- 1995 SCHOLARSHIP Friends of Oregon Agriculture
- 1993 OUTSTANDING PAPER Graduate Faculty of Economics, Oregon State University, recognition of an outstanding paper in Macroeconomics
- 1992 FELLOWSHIP Oregon State University, Graduate School fellowship.

Professional Recognition

- 2011 International Member, Graduate Program Review Committee, Bioresource Economics, University of Saskatchewan, Canada.
- 2010 INVITED SPEAKER Columbus State University, Georgia.
- 2010 MEMBER National Center for Ecological Analysis and Synthesis – Working group on tidal wetland carbon sequestration (Santa Barbara)
- 2010 INVITED LECTURE Osher Institute, Boise.
- 2008 INVITED SPEAKER Carbon Management In Idaho, Idaho National Lab
- 2008 FEATURED GUEST on “New Horizons”
<http://stream.publicbroadcasting.net/production/mp3/idaho/local-idaho-700006.mp3>
- 2008 INVITED SPEAKER Idaho Senate Agriculture Committee
- 2008 INVITED SPEAKER Idaho House Agriculture Committee
- 2008 INVITED SPEAKER Idaho Academy of Science
- 2008 INVITED SPEAKER Focus The Nation, Boise State University
- 2008 INVITED SPEAKER 2008 Environmental Law Update. Addressing Energy, Growth and Development in Idaho and the West. Idaho State Bar, Boise, Idaho
- 2008 INVITED PRESENTATION Renewable Energy, Food, and Sustainability Intersession, Kansas State University
- 2007 MEMBER Idaho Governor’s Carbon Sequestration Advisory Committee
- 2007 INVITED PRESENTATION Seminar Series. What Will Climate Change Mean For Idaho And The Interior West? University of Idaho.
- 2007 INVITED LUNCHEON SPEAKER Practical Paths: Climate Change and Beyond. Boise Holiday Inn.
- 2007 AFFILIATE Center for Advanced Energy Studies
- 2007 INVITED SPEAKER COBE Appreciation Dinner, Boise, Idaho.
- 2007 INVITED PRESENTATION Environmental Sensing Symposium, Boise State University
- 2007 INVITED SPEAKER
- 2007 FACULTY RESEARCH ASSOCIATE PROGRAM – Boise State University
- 2007 INVITED PRESENTATION City of Boise Carbon Committee, Boise, Idaho.
- 2007 INVITED PRESENTATION Idaho Environmental Forum, Boise, Idaho.
- 2007 INTERVIEW Channel 6 News, Boise.
- 2007 INVITED SPEAKER Earth Day Celebrations, Boise State University
- 2006 INVITED SPEAKER Terrestrial Carbon Sequestration Forum, University of Minnesota
- 2006 INVITED PANNELIST, NASA Applied Science Program: Decision Support Through Earth-Sun Science Research Results
- 2006 INVITED PRESENTATION, Department of Economics, Boise State University
- 2006 INVITED PRESENTATION, Environmental Studies Colloquium, Middlebury College
- 2005 INVITED TO ADVISORY BOARD CWAE Tracking Survey
- 2005 INVITED PRESENTATION “Economics of Carbon-Credit Generation and Trading”, Natural Resources Ecology Laboratory, Colorado State University
- 2005 INVITED TO BE NOMINEE for president of the Committee for Women in Agricultural Economics
- 2005 INVITED TO BE NOMINEE for board member of the Western Agricultural Economics Association
- 2005 INVITED PARTICIPANT AND MODERATOR Workshop on Decision Support and Carbon Cycle Science, University of Colorado
- 2005 INVITED PRESENTATION “Environmental and Ecological Benefits of Soil Carbon Management” Kansas State University
- 2005 INVITED PRESENTATION “Economics of Carbon Management” Kansas State University

- 2004 NOMINATED FOR AND FINALIST in “A Showcase of Promising Scientists in Natural Resources”, University of Arizona.
- 2004 INVITED PARTICIPANT AND SPEAKER Forestry and Agriculture Greenhouse Gas Modeling Forum Modeling to support policy
- 2004 INVITED PARTICIPANT AND DISCUSSANT Workshop on Carbon Cycle Science: Reconciling Supply and Demand, Colorado State University
- 2004 INVITED PRESENTATION “Integrated Economic and Biophysical Models: The Tradeoff Model Example” Egerton University, Njoro, Kenya
- 2004 INVITED PRESENTATION “Economics and contracting for Soil Carbon” Carbon Sequestration: Science, Policy & Marketing in Wyoming. Casper Wyoming
- 2004 INVITED PRESENTATION “Climate, Carbon and Cowboys: Agriculture’s role in reducing Greenhouse gases” School of Environment and Natural Resources, University of Wyoming
- 2003 VISITING SCIENTIST School of Natural Resource Sciences, University of Nebraska
- 2003 INVITED EXPERT TESTIMONY Canadian Senate, Standing Committee on Agriculture and Forestry Adaptation to Climate Change
- 2003 INVITED PRESENTATION “Economics of Carbon Sequestration in Agricultural Soils: Existing Research and Further Questions” Department of Plant Sciences, University of Wyoming
- 2003 INVITED PRESENTATION “Opportunities for Trading Soil Carbon Credits From Managed Ecosystems” School of Natural Resources, University of Nebraska, Lincoln
- 2003 INVITED PRESENTATION “Sequestering Carbon to sell Carbon Credits – Forestry” School of Natural Resources, University of Nebraska, Lincoln
- 2003 INVITED PRESENTATION “Selling Carbon Credits? Potential New Opportunity for Agriculture?” Department of Animal Science, University of Wyoming
- 2003 INVITED PRESENTATION “Spatial Heterogeneity and Efficient Contract Design for Soil Carbon Sequestration” Department of Agricultural and Resource Economics and Department of Economics, Colorado State University
- 2003 INVITED SPEAKER “Carbon as a Commodity: Options for Rangelands”. Society for Range Management. 56th Annual Meeting, Casper, Wyoming
- 2002 INVITED PRESENTATION “Efficient Contract Design and a Measurement and Monitoring Protocol for Soil Carbon Sequestration” Environmental and Societal Impacts Group, National Center for Atmospheric Research, Boulder, Colorado
- 2001 INVITED PRESENTATION “Spatial Heterogeneity and Design of Efficient Policies for Soil Carbon Sequestration” North Dakota State University
- 2001 INVITED PRESENTATION “Agricultural Competitiveness in a Market for Soil Carbon” Northwest Economic Associates, Vancouver, Washington
- 1999 INVITED PRESENTATION “Economic and Environmental Tradeoffs at the Watershed Scale: Costs of Stream Temperature Reduction” EPA Water Workshop, Seattle, Washington

Professional Development**Research Related Workshops**

- 2011 Science: Becoming the Messenger, University of West Virginia, Morgantown, WV
- 2008 Carbon Management in Idaho, Boise State University, Boise, Idaho
- 2007 Carbon, Climate and Our Environment, University of Idaho, Moscow, Idaho.
- 2007 Spatial Statistics, Micron, Boise, Idaho
- 2006 Idaho Environmental Summit, Boise Idaho
- 2006 Carbon Market Insights, Bella Center, Copenhagen
- 2005 Emissions Trading & the Carbon Markets Conference: How to engage in the market, London
- 2005 Decision Support and Carbon Cycle Science. University of Colorado
- 2005 Environmental Protection Agency, Benefits Transfer Workshop. Washington, DC

- 2004 Forestry and Agriculture Greenhouse Gas Modeling Forum: Modeling to support policy
 2004 Carbon Cycle Science: Reconciling Supply and Demand. Colorado State University

Teaching Workshops

- 2004 Using Geospatial Data for Teaching. University of Wyoming.
 2004 Teaching Techniques – what works in the classroom. University of Wyoming.

Other Training

- 2010 BSU President's Leadership Academy
 2010 NSF Days Boise State University, April, Boise.
 2010 EPSCoR/IDEA Workshop – March 2010. Washington DC
 2009 21st National NSF EPSCoR Conference: Sustainability, Innovation and EPSCoR. Washington, DC (October)
 2008 Building Diversity in Higher Education: Strategies for Broadening Participating in the Sciences and Engineering. NSF . Charleston, West Virginia (October)
 2004 Tradeoff Analysis. International Livestock Research Institute, Nairobi, Kenya.
 2004 New Dimensions in Micro-Econometrics and Micro Data Analysis. AAEA Pre Conference Workshop.
 2002 Simulation for Risk Analysis. AAEA Post Conference Workshop.
 1999 Advanced ArcView GIS. ESRI course presented at Montana State University.
 1998 Programming with Avenue. ESRI course presented at Montana State University.

PUBLICATIONS, REPORTS, WORK IN PROGRESS (* = Graduate Student, # = Undergraduate)**Work in Progress**

1. Interdisciplinary work in agricultural economics: characteristics and incidence.
2. Using Monte Carlo Methods to Assess Uncertainty in Econometric-Process Models: The Case of Soil Carbon Sequestration.
3. White Paper – Soil Science Society of America – Measuring Soil Carbon

In Submission

4. Mooney, S. Market approaches for preserving and enhancing environmental goods and services: challenges for evaluation and analysis. Submitted to *Journal of Regional Analysis and Policy*.
5. Elbakidze, L., Xiaozhe Shen, Bryce Contor, Garth Taylor, and Sian Mooney. Linked Hydro-Economic Evaluation of Agricultural Water Curtailment: Prior Appropriations Based Administrative Curtailment versus a Market Solution in the Eastern Snake River Plain. Submitted to *Water Resources Research* (Revise and Resubmit)

Books

6. Kimble, J. C. Rice, D. Reed, S. Mooney. R. Follett and R. Lal. (Eds). 2007. Soil Carbon Management: Economic, Environmental and Societal Benefits. Taylor and Francis Group, LLC.

Book Chapters

7. Mooney, S and J. Williams. 2007. Private and Public Values of Soil Carbon Management. Chapter 4, in Kimble, J. C. Rice, D. Reed, S. Mooney. R. Follett and R. Lal. (Eds). Soil Carbon Management: Economic, Environmental and Societal Benefits. Taylor and Francis Group, LLC.
8. Kimble, J., C. Rice, D. Reed, S. Mooney, R. Follett and R. Lal. Soil Carbon Management:

- Economic, Environmental and Societal Benefits. 2007. Chapter 1, in Kimble, J. C. Rice, D. Reed, S. Mooney, R. Follett and R. Lal. (Eds). Soil Carbon Management: Economic, Environmental and Societal Benefits. Taylor and Francis Group, LLC.
9. Antle J.M, and S. Mooney. 2002. Designing Efficient Policies for Agricultural Soil Carbon Sequestration. Chapter 31, in J. Kimble, R. Lal and R. Follett (Eds.) Agriculture Practices and Policies for Carbon Sequestration in Soil. CRC Press LLC.
 10. Marks, L.A., S. Mooney and N. Kalaitzandonakes. 2002. "Quantifying Scientific Risk Communications of Agrobiotechnology", Chapter 17 in V. Santaniello, R.E. Evenson and D. Zilberman (Eds.) Market Development for Genetically Modified Agricultural Products. CABI Publishers.

Book Reviews

11. Mooney, S. Book Review: Gregory P. Marchildon, A Dry Oasis: Institutional Adaptation on the Canadian Plains. *Great Plains Research*. 21(1):109.
12. Mooney, S. 2009. Book Review: Pimentel, D and M. H. Pimentel. 2008. Food, Energy, and Society (3rd Edition). CRC Press, Taylor and Francis Group. New York. *Journal of Natural Resources Policy Research*. 1(1):122-123.

Refereed Journal Articles

1. Chatterjee, A; S. Mooney and G.F. Vance. 2010. Comparisons of carbon pools and economic profitability for managed ponderosa pine stands in Wyoming, USA. *Journal of Forestry Research* 21(4): 482-486
2. Ritten J.P., W. M Frasier, C. T. Bastian, S. I. Paisley, M and S. Mooney. 2010. A Multi-period Analysis of Two Common Livestock Management Strategies Given Fluctuating Precipitation and Variable Prices. *Journal of Agricultural and Applied Economics*. 42(2), May.
3. Bastian, C.T, P. Ponnammenni*, S. Mooney, J. Ritten, W. M. Frasier, S. I. Paisley, M. A. Smith, and W. Umberger. 2009. Analysis of Management Strategies Used By Livestock Producers During Multiple Years of Drought Under Different Price Cycles. *Journal of the American Society of Farm Managers and Rural Appraisers*. 72 (1):153-163.
4. Williams, J, S. Mooney and J. Peterson. 2009. What is the Carbon Market: is there a final answer? *Journal of Soil and Water Conservation*, January/February 64(1):27-35.
5. Mooney, S. and J. Eustermann. 2008. Carbon Credit Trading Legislation and Agriculture. Climate Change Litigation, Regulation and Risk. A Thomson Reuter/West Report. (pages 93-99).
6. Eustermann, J and S. Mooney. 2008. Committing to Carbon Credits. *Biofuels International* 2(3).
7. Mooney, S., K. Gerow, J.M. Antle, S.M. Capalbo and K. Paustian. 2007. Reducing Standard Errors by Incorporating Spatial Autocorrelation into a Measurement Scheme for Soil Carbon Credits. *Climatic Change*. 80:55-72.
8. Bastian, C., S. Mooney, A. Nagler, J. Hewlett, S. Paisley, M. Smith, M. Frasier and W. Umberger. 2006. Cattle Ranchers Diverse in Their Drought Management Strategies. *Western Economics Forum*. 5(2):1-8.
9. Williams, J.R., J. M. Peterson, and S. Mooney. 2005. The Value of Carbon Credits: Is There a Final Answer? *Journal of Soil and Water Conservation* 60(2):36A-40A.
10. Mooney, S., J. M. Antle, S. M. Capalbo and K. Paustian. 2004. Design and Costs of a Measurement Protocol for Trades in Soil Carbon Credits. *Canadian Journal of Agricultural Economics* 52(3):257-287.
11. Campbell, S.*, S. Mooney, J. Hewlett, D. Menkhaus and G. Vance. 2004. Can Ranchers Slow Climate Change? *Rangelands* 26(4):16-22.

12. Mooney, S., J. M. Antle, S. M. Capalbo and K. Paustian. 2004. Influence of Project Scale on the Costs of Measuring Soil C Sequestration. *Environmental Management* 33 (supplement 1): S252 - S263.
13. Capalbo, S., J.M. Antle, S. Mooney and K.H. Paustian. 2004. Sensitivity of Carbon Sequestration Costs to Economic and Biological Uncertainties. *Environmental Management* 33 (supplement 1): S238 - S251.
14. Antle, J., S. Capalbo, S. Mooney, E. Elliot and K. Paustian. 2003. Spatial Heterogeneity and the Design of Efficient Carbon Sequestration Policies for Agriculture. *Journal of Environmental Economics and Management* 46(2):231-250.
15. Mooney, S and D. Gerard. 2003. Using Environmental Bonds to Regulate the Risks of GM Crops: Problems and Prospects. *Environmental Biosafety Research* 2 (1) 25-32.
16. Antle, J., S. Capalbo and S. Mooney. 2002. Farming the Environment: Spatial Variation and Economic Efficiency in Soil Developing Policies for Carbon Sequestration and Agriculture. *Choices*, Fall 2002.
17. Antle, J., S. Capalbo, S. Mooney, E. Elliot and K. Paustian. 2002. A Comparative Examination of the Efficiency of Sequestering Carbon in US Agricultural Soils. *American Journal of Alternative Agriculture* 17(3):109-115.
18. Antle, J., S. Capalbo, E. Elliott, W. Hunt, S. Mooney and K. Paustian. 2001. Research Needs for Understanding and Predicting the Behavior of Managed Ecosystems: Lessons from Agroecosystem Research. *Ecosystems* 4(8):723-735.
19. Mooney, S., and L. M. Eisgruber. 2001. The Influence of Riparian Protection Measures on Residential Property Values: Will Residential Landowners Voluntarily Engage in Actions to Save Salmon? *Journal of Real Estate Economics and Finance* 22(2/3):273-286.
20. Antle, J., S. Capalbo, S. Mooney, E. Elliot and K. Paustian. 2001. Economic Analysis of Agricultural Soil Carbon Sequestration: An Integrated Assessment Approach. *Journal of Agricultural and Resource Economics* 26(2):344-367.
21. Antle, J., S. Capalbo, S. Mooney, E. Elliot and K. Paustian. 2001. Sensitivity of Carbon Sequestration Costs to Soil Carbon Rates. *Environmental Pollution* 116(3):413-422.
22. Mooney, S. and K. K. Klein. 1999. Environmental Concerns and Risks of Genetically Modified Crops: Economic Contributions to the Debate. *Canadian Journal of Agricultural Economics* 47(4):437-444.
23. Kerr, W.A., B.D. Boutin, A.S. Kwaczek and S. Mooney. 1992. Nuclear Accidents, Impact Assessment and Disaster Administration: Post-Chernobyl Insights for Agriculture in Canada. *Environmental Impact Assessment Review* 12(4):387-400.
24. Mooney, S. and L.M. Arthur. 1990. The Impacts of Climate Change on Agriculture in Manitoba. *Canadian Journal of Agricultural Economics* 38(4):685 - 694.
25. Kwaczek, A.S., W.A. Kerr and S. Mooney. 1990. Chernobyl: Lessons in Nuclear Liability. *Forum for Applied Research and Public Policy* 5(2): 21-27.
26. Kerr, W.A., A.S. Kwaczek and S. Mooney. 1989. Disaster Policy and Nuclear Liability: Insights from Post Chernobyl Agriculture in the United Kingdom. *Environmental Management* 13(5):521-527.
27. Mooney, S. and W.A. Kerr. 1989. A Post Chernobyl Grazing Economy: North Wales in the Second Year. *Rangelands* 11(4):161-164.
28. Kerr, W.A. and S. Mooney. 1988. A System Disrupted - The Grazing Economy of North Wales in

the Wake of Chernobyl. *Agricultural Systems* 28:13-27.

29. Kerr, W.A. and S. Mooney. 1988. Nuclear Accidents and Rangelands: The Effect of Chernobyl on the Grazing Economy of North Wales. *Rangelands* 10(1):6-9.

Published Abstracts

30. Antle, J. S. Capalbo and S. Mooney. 1999. Optimal Spatial Scale and Economic and Environmental Trade-offs. *American Journal of Agricultural Economics* 81(5):1286.
31. Mooney, S. and L. Eisgruber. 1998. A Cost-effectiveness Analysis of Actions to Reduce Stream Temperature at the Watershed Scale. *American Journal of Agricultural Economics* 80(5):1199.
32. Hart, T., J. Geoghan, E. Irwin, E. Jessup and S. Mooney. 1997. Real World Applications of Blending GIS Technology to Agricultural Economic Modeling. *American Journal of Agricultural Economics* 79(5):1698.
33. Mooney, S. 1997. Relationship between the implicit value of Riverside Property, Environmental Amenities and Stream Bank Protection. *Journal of Agricultural and Resource Economics* 22(2):400.

Posters

34. VanderLugt, B; E. Stokes and S Mooney. Collective Management of the Commons: A Framework for Sustainability. Undergraduate Research and Scholarship Conference, Boise State University, April 2011.
35. Batteen, A and S. Mooney. Reducing Point-Source Pollution Through Deregulation. Undergraduate Research and Scholarship Conference, Boise State University, April 2011.
36. Cobourn, K.M. and Siân Mooney. "Agricultural Production Decisions and the Welfare Effects of Changes in the Level and Timing of Snowmelt in the Western U.S.," Agricultural and Applied Economics Association Annual Meetings, Selected Poster Presentation, Denver, CO, July 25-27, 2010.
37. Cobourn, K.M., A. Flores, S. Lowe, and S. Mooney. "A Coupled Econometric and Remote-Sensing Model of Land-Use Change in Response to Uncertain Water Availability and the Allocation of Water Rights," Pacific Northwest Climate Science Conference, Poster Presentation, Portland, OR, June 15-16, 2010.
38. Hansen, K[#] and S. Mooney. 2010. Possible Environmental Effects of Carbon Capture and Storage. Undergraduate Research Competition, Boise State University. April.
39. Huseynov, Emil[#] and S. Mooney. 2010. Historical Cropping Practices, South Central Region of Idaho. Undergraduate Research Competition, Boise State University. April.
40. Hansen, K[#] and S. Mooney. 2009. Estimating the Possible Environmental Costs of Carbon Capture and Storage. 2009. NSF ID-EPSCoR RII Annual Meeting. Climate Change and Water Resources. University of Idaho, Moscow, Idaho. August 30-31.
41. Mooney, S., R. Podgorney and T. McLing. 2008. A Decision Support Framework for Evaluating the Technical and Economic Feasibility of Sites for Geologic CO₂ Sequestration. 2008 Carbon Capture & Sequestration Conference. May 5-8, Pittsburgh, PA.
42. Warns, R[#] and S. Mooney. 2007. Mayors' Climate Protection Agreement: City of Boise Activities. 4th Annual Undergraduate Research and Scholarship Conference. Boise State University. April.
43. Krupnick, T*, M. Jenkins, S. Mooney and E. K. Bett*. 2006. Net Present Value Analysis to Assess the Economic Consequences of Changing Farming Systems in the Upper River Njoro Watershed. 10th KARI Biennial Scientific Conference and Agricultural Forum, Nairobi, Kenya. November.
44. Chatterjee, A*, S. Mooney, D. Tinker, G.F. Vance, J. Arnold, B. Haggenson and P.D. Stahl. 2006.

- Generating Carbon Credits Under Different Forest Management Practices in Ponderosa Pine Ecosystems in Wyoming. American Society of Agronomy – Crop Science Society of America - Soil Science Society of America. International Meetings, November.
45. Chatterjee, A*, G.F. Vance, S. Mooney, D. Tinker and P.D. Stahl. 2006. Economics of Creating Carbon Credits Using Different Forest Management Practices in Ponderosa and Lodgepole Pine Ecosystems in Wyoming. University of Wyoming Graduate Student Symposium.
 46. Thel, L.* , S. Mooney, D. Ouma and S.N. Miller. 2005. Applying Integrated Modeling of Economics and Natural Resources to a Kenyan Watershed. University of Wyoming Graduate Student Symposium.
 47. Campbell, S.*, S. Mooney, J. Hewlett, D. Menkhaus and G. Vance. 2004. Economics of Carbon Sequestration: A Wyoming Ranch Case Study. American Agricultural Economics Association Annual Meetings, Denver, Colorado.
 48. Mooney, S., J.M. Antle, S. Capalbo and K. Paustian. 2003. Measuring and Monitoring Costs for Soil Carbon Contracts: An Economic Analysis. CASMGS - Carbon Measurement and Monitoring Forum, Kansas State University, October 17th 2003.
 49. Antle, J.M., S.M. Capalbo, S. Mooney, E.T. Elliott, and K.H. Paustian. 2002. Opportunity Costs of Supplying Soil C: Sensitivity to Estimated Soil C Rates. American Agricultural Economics Association Annual Meetings, Long Beach, CA, July 28-31. **Finalist** in poster competition.
 50. Antle, J.M., S.M. Capalbo, S. Mooney, H.W. Hunt, and K.H. Paustian. 2002. Close-Coupling of Ecosystem and Economic Models: Adaptation of Central U.S. Agriculture to Climate Change. Presented at EPA STAR annual review, Washington, DC, January 15.
 51. Antle, J.M., S.M. Capalbo, S. Mooney and K.H. Paustian. 2000. Estimating the Economic Costs of Agricultural Soil Carbon Sequestration. Presented at, Carbon: Exploring the Benefits to Farmers and Society conference, Des Moines, Iowa, August.
 52. Mooney, S., and J.M. Antle. 1998. A Descriptive Analysis of Economic and Biological Data Within the Greater Yellowstone Area with Emphasis on Spatial Scale. 125 Years of Yellowstone. Bozeman, Montana.

University/Extension Publications

1. Krupnik, Timothy, Marion W. Jenkins and Siân Mooney. 2009. Modeling Tool to Assess Economic Consequences of Changing Farming Systems for Resource-Poor Small Farmers in the Upper Njoro River Watershed, Kenya. Research Brief 09-04 SUMAWA. US AID, GL-CRSP (April).
2. Nagler, A., C.T. Bastian, J.P. Hewlett, S. Mooney, S.J. Paisley, M.A. Smith, M. Frasier, W. Umberger, P. Ponnameneni*. 2007. Multiple Impacts-Multiple Strategies: How Wyoming Cattle Producers are Surviving in Prolonged Drought. University of Wyoming Cooperative Extension Service. April. B-1178.
3. Mooney, S., S. Miller and M. Jenkins. 2005. Researchers try to improve quality of lives in Africa. *Reflections*. June.
4. Mooney, S, Vance, G., Derner, J and G Schuman. 2005. Governor's appointments lead to opportunities for collaborative research. *Reflections*. June.
5. Mooney, S., J. M. Antle, S. M. Capalbo and K. Paustian. 2004. Soil Carbon Sequestration in Agriculture: How much could it cost to measure soil carbon in Montana? MontGuide MT 200409, Montana State University Extension Service.
6. Antle, J.M., S. Capalbo, S. Mooney, E. Elliot and K. Paustian. 2003. Could Agriculture Compete in a Market for Carbon: Results from a Study of Montana Dryland Grain Production. MontGuide

MT200314, Montana State University Extension Service.

7. Antle, J.M., S. Capalbo, S. Mooney. 2003. Soil Carbon Sequestration and Agriculture: Opportunities Vary Throughout Montana.. MontGuide MT200313, Montana State University Extension Service.
8. Mooney, S. 2003. Selling Carbon Credits: A Potential Future Commodity for Agriculture? *Reflections*, June. University of Wyoming.

Web sites

9. Global Change <http://www.boisestate.edu/focusthenation/globalchange/>
10. Wyoming cattle survey 2004/5 <http://agecon.uwyo.edu/WYLivestock>
11. Wyoming Carbon Sequestration <http://www.wyomingcarbon.org/>
12. Climate Change/Carbon Sequestration <http://www.climate.montana.edu/>

Working/Staff Papers

13. Mooney, S., D. Young, K. Cobourn and S. Islam. 2011. Applied Economists and Multidisciplinary Research: Are We Meeting New Demands? Working Paper 2011-101. Department of Economics, Boise State University, June.
14. Mooney, S. 2008. Jobs, Income, Services and Value: Economic Contributions of Maintaining Agricultural Lands to the State of Idaho. Working Paper 2008-100. Department of Economics. Boise State University. February.
15. Mooney, S and J. Williams. 2005. Private and Societal Benefits of Carbon Sequestration. Working paper 2005-107. Department of Agricultural and Applied Economics, University of Wyoming, Laramie, Wyoming. September.
16. Baldyga, T.*, S. Mooney, S. Miller, D. Ouma and W. Shivoga. 2005. Institutions, Environment and Water Use: the River Njoro Watershed and Lake Nakuru. Working paper 2005-104. Department of Agricultural and Applied Economics, University of Wyoming, Laramie, Wyoming. September.
17. Mooney, S., K. Gerow, J. Antle, S. Capalbo and K. Paustian. 2005. The Value of Incorporating Spatial Autocorrelation into a Measurement scheme to Implement Contracts for Carbon Credits. Working Paper 2005 – 101. Department of Agricultural and Applied Economics, University of Wyoming.
18. Mooney, S., J. M. Antle, S. M. Capalbo and K. Paustian. 2003. Design and Costs of a Measurement Protocol for Trades in Soil Carbon Credits. Working Paper 2003-103. Department of Agricultural and Applied Economics, University of Wyoming.
19. Mooney, S., J.M. Antle, S.M. Capalbo, and K.H. Paustian. 2003. Incorporating Uncertainty in Integrated Assessment Modeling. Working Paper 2003-101 - Department of Agricultural and Applied Economics, University of Wyoming.
20. Mooney, S., J.M. Antle, S.M. Capalbo, and K.H. Paustian. 2002. Contracting for Soil Carbon Credits: Design and Costs of Measurement and Monitoring. Staff Paper 2002-01, Department of Agricultural Economics and Economics, Montana State University–Bozeman, May.
21. Antle J.M, S.M. Capalbo, S. Mooney, E. Elliot, and K. Paustian. 1999. Economics of Agricultural Soil Carbon Sequestration in the Northern Plains. Research Discussion Paper No. 38. Trade Research Center, Montana State University – Bozeman.
22. Antle J.M., and S. Mooney. 1999. Economics and Policy Design for Soil Carbon Sequestration in Agriculture. Research Discussion Paper No. 36. Trade Research Center, Montana State University – Bozeman.
23. Davis, E., S. Mooney, P. Salant and B. Weber. 1998. Local Labor Market Conditions and the Low

Income Workforce: Some Preliminary Evidence on Employment and Wage Changes in Oregon. Working Paper, Dept. Agricultural and Resource Economics, Oregon State University.

24. Mooney, S., S.R. Jeffrey, and L. M. Arthur. 1991. The Economic Impacts of Climatic Change on Crop Production in the Canadian Prairie Provinces. Working Paper No. 91-1. Department of Agricultural Economics and Farm Management, University of Manitoba.

White Papers

25. Morgan, J.A.; R. F. Follett, L.H. Allen, S. Del Grosso, J. Derner, F. Dijkstra, A. Franzluebbbers, R. Fry, B.A. McCarl, S. Mooney, K. Paustian, M.M. Schoeneberger. 2009. Carbon Sequestration in the Agricultural Lands of the United States. Prepared for USDA – Agricultural Research Service, May 4th.
26. Wyoming Natural Gas Pipeline Authority, the Wyoming Infrastructure Authority, and the University of Wyoming Office of Research, in Conjunction with the Idaho National Laboratory Program for Alternative Fuels and Energy Systems. 2005. Adding Value to Wyoming's Coal Resource – the Next Generation. University of Wyoming.
27. Bell, D., R. Boardman, R. Coupal, A. Driscoll*, T. Foulke, L. Frost and S. Mooney. 2005. Alternative Profiles, Incentives, and Recommendations for a Western Sub-Bituminous Coal Conversion Demonstration Project in Wyoming. University of Wyoming Office of Research and the Idaho National Laboratory Program for Alternative Fuels and Energy Systems
28. Antle J.M., S.M. Capalbo, E. Elliott, W. Hunt, S. Mooney and K. Paustian. 2000 Understanding and Predicting the Behavior of Managed Ecosystems: Lessons from Agroecosystem Research. National Science Foundation White Paper.

Conference Papers

29. Antle J.M, S.M. Capalbo, S. Mooney, E. Elliot, and K. Paustian. 2001. Could Agriculture Compete in a Market for Carbon? Results from a Study of Montana Dryland Grain Production. Prepared for the National Association of Wheat Growers Annual Convention. New Orleans, February 1-2.
30. Marks, L.A. and S. Mooney. 2000. Quantifying Scientific Knowledge: A content Analysis of Food Risks of Agrobiotechnology. Selected Paper: American Agricultural Economics Association Annual Meetings, Tampa, Florida.
31. Mooney, S. and D. Gerrard. 2000. Ex post liability versus ex ante bonding as instruments for addressing environmental impacts of genetically modified crops. Selected Paper: Western Agricultural Economics Association Annual Meetings. Vancouver, Canada.
32. Antle J.M., S.M. Capalbo, and S. Mooney. 1999. Optimal Spatial Scale For Evaluating Economic and Environmental Tradeoffs. Selected Paper: American Agricultural Economics Association Annual Meetings, Nashville, Tennessee.
33. Mooney, S., L.M. Eisgruber. 1998. A Cost-Effectiveness analysis of Actions to Reduce Stream Temperature at the Watershed Scale. Selected Paper: American Agricultural Economics Association Annual Meeting, Salt Lake City, Utah.
34. Mooney, S. 1997. Relationship Between the Implicit Value of Riverside Property, Environmental Amenities and Streambank Protection. Selected Paper: Western Agricultural Economics Association Annual Meeting, Reno/Sparks, Nevada.

Other Reports

13. Follett, Ron. Sian Mooney; Jack Morgan; Keith Paustian; (Co-Chairs); Leon Hartwell Allen; Shawn Archibeque; Stephen J. Del Grosso; Justin Derner; Feike Dijkstra; Lyubov A. Kurkalova; Bruce A.

- McCarl; Stephen Ogle; William J. Parton; Jeffrey M. Peterson; G. Phillip (Phil) Robertson; Michele Schoeneberger; Tristram O. West and Jeff Williams. 2011. Carbon Sequestration, Greenhouse Gas Fluxes, and Climate Change in U.S. Agriculture: Challenges and Opportunities. Task Force Report No.142. Council for Agricultural Science and Technology, Ames, Iowa. October.
35. Mooney, S., E. Bett, S. Miller, M. Jenkins, B. Aldridge and L. Thel*. 2007. Household Survey Dataset: Data checking and error analysis – Phases I and II. Global Livestock CRSP. Department of Economics, Boise State University.
 36. Mooney, S., S. Miller, M. Jenkins, B. Aldridge and L. Thel*. 2005 Household Survey Dataset: Data checking and error analysis – Phase I. Global Livestock CRSP. Department of Agricultural and Applied Economics, University of Wyoming.
 37. Mooney, S., B. Aldrich, J. Hewlett and C. Bastian. 2005. Livestock survey results. Part A. General Ranch Description. http://agecon.uwyo.edu/WYLivestock/2005_05_03_Report_PartA.pdf
 38. Mooney, S., B. Aldrich, J. Hewlett and C. Bastian. 2005. Livestock survey results Part B. Other Production and Marketing Practices. http://agecon.uwyo.edu/WYLivestock/2005_05_03_Report_PartB.pdf
 39. Mooney, S., B. Aldrich, J. Hewlett and C. Bastian. 2005. Livestock survey results Part C. Demographic Information. http://agecon.uwyo.edu/WYLivestock/2005_05_03_Report_PartC.pdf
 40. Sarchet, B*, S. Mooney and J. Hewlett. 2005. Pilot Survey & Analysis of Wyoming Cattle Production (2004). http://agecon.uwyo.edu/WYLivestock/2005_05_03_Report.pdf.
 41. Mooney, S. 1998. A Cost Effectiveness Analysis of Actions to Reduce Stream Temperature: A Case Study of the Mohawk Watershed. Unpublished Ph.D. Dissertation. Department of Agricultural and Applied Economics, Oregon State University.
 42. Mooney, S. 1998. Final Report to USDA/NRCS – A Cost Effectiveness Analysis of Actions to Reduce Stream Temperature: A Case Study of the Mohawk Watershed. Dept. Agricultural and Resource Economics, Oregon State University.
 43. Mooney, S. and L. M. Eisgruber. 1996. Report to USDA/NRCS, Portland. "A Watershed Wide Economic Model - Product 3". Dept. Agricultural and Resource Economics, Oregon State University.
 44. Mooney, S. 1996. Report to USDA/NRCS, Portland. "Data Requirements, Collection and Sources for the Economic Component of a Watershed Analysis". Dept. Agricultural and Resource Economics, Oregon State University.
 45. Mooney, S. 1995. Report to USDA/NRCS, Portland. "Identification of Potential Management Strategies and Project Sites: Current Status. Product 2". Dept. Agricultural and Resource Economics, Oregon State University.
 46. Mooney, S. and L. M. Eisgruber. 1995. Report to USDA, NRCS, Portland. "Economic Analysis of Actions to Enhance the Ecological Integrity of the McKenzie River Basin. Product 1: Draft Conceptual Framework". Dept. Agricultural and Resource Economics, Oregon State University.
 47. Mooney, S. and S.R. Jeffrey. 1992. "Economically Optimum Stand Length for Alfalfa in Cereal/Legume Rotations". Ch. 2 in M.H. Entz (Ed) Enhancing Agricultural and Environmental Sustainability through the Use of Forage Crops. Departments of Plant Science, Agricultural Economics, Soil Science. Faculty of Agriculture and Food Sciences. University of Manitoba, Winnipeg, Manitoba, Canada.
 48. Shaykewich, C., N. Holliday, A. Kennedy, B. Woodbury, S. Jeffrey and S. Mooney. 1992. "Weather, Climate and Prairie Agriculture". Ch. 2. in Sustainable Agriculture: A Prairie Perspective. Science Council of Canada.

49. Mooney, S. 1990. Economic Analysis of a 2*CO₂ Greenhouse Scenario on the Agricultural Sector Within Manitoba. Unpublished M.Sc. Thesis. University of Manitoba.
50. Prentice, B.E., S. Mooney, L. Yaschyshyn and K. Roesler. 1989. "Impact of Regulatory Reform on the For-Hire Trucking Industry Serving Rural Manitoba". Report to Manitoba Trucking Association. University of Manitoba Transport Institute.

GRANTS, RESEARCH AND EDUCATIONAL SUPPORT

Grants Received

Year	Agency	Amount	Title	Investigators
2011	National Science Foundation	\$137,860	Intergovernmental Personal Agreement	Sian Mooney
2011	College of Business and Economics, BSU	\$14,000	Multidisciplinary Research in Applied Economics: Practitioner Attitudes and Institutional Impediments, Journal Content, and Demand for Job Skills	Mooney, Cobourn, Islam, Marks and Young.
2008-2013	National Science Foundation EPSCoR RII.	Total Request \$15million	Water Resources in a Changing Climate	Jean'ne Schreeve Von Walden Siân Mooney Colden Baxter Rick Allen
2007	ORA – BSU Faculty Research Grant Program	\$4,996	Reducing Asymmetric Information in the Consumer Carbon Offset Market	Siân Mooney
2007-2008	USAID – Subcontract through University of Wyoming	\$19,386	SUMAWA - 2 year extension	Siân Mooney
2007-2009	DOE-LDRD	\$60,196	Suitability of Layered Basalt as Targets for Industrial Carbon Dioxide Sequestration	Siân Mooney
2006-2009	AES Competitive Grant Program	\$59,391	Linking Ecological and Economic Sustainability in Wyoming Sagebrush Steppe	Siân Mooney E. Pendall B. Ewers
2005-2007	WY Dept. of Agriculture	\$4,500	Development & Maintenance of the WY Governor's Carbon Storage Advisory Committee Website	Siân Mooney G.F. Vance
2005-2007	AES Competitive Grant Program	\$58,670	Economically and Environmentally Sustainable Cattle Production Practices During Multiple Years of Drought.	C. Bastian Siân Mooney S. Paisley M. Smith M. Frasier W. Umberger
2004-2006	USDA	\$78,972	Consortium for Agricultural Soils Mitigation of Greenhouse Gases	Siân Mooney

CURRICULUM VITAE**Siân Mooney - Boise State University**

2004	Farm Foundation	\$800	Travel Award to Attend Greenhouse Gas Modeling Forum	Siân Mooney
2003-2007	USAID, Global Livestock CRSP	\$367,672	Multidisciplinary Research for Sustainable Management of Rural Watersheds: The River Njoro, Kenya	S. Miller M. Jenkins W. Shivoga F. Lelo C. Maina-Gichaba M. Muchiri Siân Mooney
2003-2005	Lowham Fund, University of Wyoming	\$30,000	Pilot Cattle Survey and Economic Benefit of Early Calving	Siân Mooney M. Smith D. Taylor
2003-2004	USDA	\$59,577	Consortium for Agricultural Soils Mitigation of Greenhouse Gases	Siân Mooney
2002-2004	USDA, NRI	\$58,000	A Measurement and Monitoring Protocol for Policies Designed to Sequester Soil Carbon	Siân Mooney J. Antle S. Capalbo
2002-2004	USDA	\$1,300,000	Consortium for Agricultural Soils Mitigation of Greenhouse Gases	J. Antle J. Bauder S. Capalbo P. Miller Siân Mooney G. Nielsen
2001-2002	Montana State University	\$4,000	Funding to develop a new course, "The Environment, Resource Use and Society" as part of Research/Creative Experiences in the New Core Curriculum.	Siân Mooney S. Capalbo
2000-2003	EPA	\$1,420,860	Close-Coupling of Ecosystem and Economic Models: Adaptation of Central U.S. Agriculture to Climate Change	J. Antle S. Capalbo Siân Mooney W. Hunt K. Paustian E. Elliot
1999-2001	NSF- Methods and Models for Integrated Assessment	\$275,000	Economically Optimal Spatial Scale for Integrated Assessment of Agricultural Production Systems	J. Antle S. Capalbo Siân Mooney K. Paustian
1999-2000	Colorado State University	\$22,931	Consortium for Agricultural Soils Mitigation of Greenhouse Gases	J. Antle Siân Mooney
1999-2000	USDA, NRI	\$74,789	Policy Design and Implications for Agricultural Soil Carbon Sequestration	J. Antle S. Capalbo Siân Mooney
1994-1996	NRCS	\$15,000	A Cost Effectiveness Analysis of Actions to Reduce Stream Temperature: A Case Study of the Mohawk Watershed	Siân Mooney L. Eisgruber

Grants Unfunded

- 2010 Mooney, S and K, Cobourn. Cereal Production Systems In The Central United States: Adaptation And Mitigation To Climate Change. Submitted to USDA (Subcontract to Kansas State for \$636,000) – not funded.
- 2009 Cobourn, K.M., A. Flores, S. Lowe and S. Mooney. A Coupled Econometric and Remote-Sensing Model of Land-Use Change in Response to Uncertain Water Availability and the Allocation of Water Rights. Pre-proposal (phase I) submitted to NASA-ROSES Land-Cover/Land-Use Change (LCLUC). December. Status – Successful - Invited to submit to Phase II - not funded.
- 2009 National Science Foundation, Water Society and Climate (unsuccessful)
- 2009 Mooney S., S. Lowe, K. Cobourn and D. Ames. Higher Education Research Council, State Board of Education Research Center Pre-proposal: Economics of Land Use Change on Water, Air and the Economy of Idaho. Submitted to VP Research, Boise State University. September 2009. Status – not selected.
- 2009 Flores, A., S. Benner, K. Cobourn, S. Lowe, S. Mooney and J. Pierce. Higher Education Research Council, State Board of Education Research Center Pre-proposal: The New U Rising to the challenge of climate change in Idaho. Submitted to VP Research, Boise State University. September 2009. Status – not selected.
- 2009 Jung, S, J.P. Fairley, S.E. Childers, S. Mooney and R.K. Podgorney. Higher Education Research Council, State Board of Education Research Center Pre-proposal: An Underground Research Facility for Carbon Dioxide Storage. Submitted to VP Research, Idaho State University. September 2009. Status – not selected.

Consulting Projects

1. Environmental Impact Assessment – wind farm
2. Environmental Defense – Value of Open Space in Idaho
3. The Nature Conservancy – Tool for calculating the measurement costs and benefits from investing in carbon sequestration projects.
4. Winrock International – Developed a spreadsheet tool for assessing the costs of measuring above and belowground carbon sequestration.
5. National Carbon Offset Coalition – Analysis of market structure and risk reduction strategies related to the emerging market for greenhouse gases.
6. Consultant, Winnipeg, Manitoba, Canada. Part of a three-person team working on Native Land Claim compensation assessments for two Native American bands in Manitoba.

Regional Research Projects

W-1133 Benefits and Costs of Natural Resources Policies Affecting Public and Private Lands

PROFESSIONAL PRESENTATIONS

1. Siân Mooney, Douglas L. Young, Kelly Cobourn and Samia Islam. “Multidisciplinarity in Agricultural Economics: Practitioner Attitudes”. Presented at the Agricultural and Applied Economics Association Annual Meetings, Pittsburgh. July 26, 2011.
2. Kelly Cobourn and Siân Mooney. “Trends in Publishing across Agricultural Economics Journals” Presented at the Agricultural and Applied Economics Association Annual Meetings, Pittsburgh. July 26, 2011.
3. Leonie Marks and Siân Mooney. “Demand for Interdisciplinary Skills in the Economics Labor Force” Presented at the Agricultural and Applied Economics Association Annual Meetings, Pittsburgh. July 26, 2011.
4. Siân Mooney, Douglas L. Young, Kelly Cobourn and Samia Islam. “Applied Economists and Multidisciplinary Research: Are We Meeting New Demands?” Western Agricultural Economics

- Association and Canadian Agricultural Economics Society Joint Annual Meeting, Banff, Alberta, June 30, 2011.
5. Leonie A. Marks, Kelly Cobourn, Siân Mooney. "Demand for Multidisciplinary Skills in the Economics Job Market & Trends in Publishing". Western Agricultural Economics Association and Canadian Agricultural Economics Society Joint Annual Meeting, Banff, Alberta, June 30, 2011.
 6. "Progress in Economics and Policy Research (EPSCoR)". 10th Annual Climate and Water Workshop. Idaho Climate and Water Meeting, 2011 Water Year. Idaho Department of Water Resources, Boise, Idaho. November 2, 2010.
 7. "EPSCoR Economics and Policy Team – Update". Idaho NSF EPSCoR Annual Meeting. Boise, Idaho. August 31, 2010.
 8. "Policies and Systems to Reduce Climate Change: Cap and Trade and Carbon credits" 2010. Columbus State University, Georgia. April 22.
 9. "Surveys, cents and sense – primary or secondary data collection?" Panel D1: Policy/Social Survey Construction: Methods, Questions, and Target Audiences. 2010. EPSCoR TriState Meeting, Incline Village, April 7.
 10. "Cap and Trade: One Policy for GHG Reduction". Idaho Energy Collaborative. Boise Idaho. November 10th, 2009.
 11. "Economics and Policy Research under The NSF Program Climate Change and Water Resources". Climate Impacts Group, Idaho Climate and Water Resource Forecasts for the 2010 Water Year. Idaho Department of Water Resources, Boise, Idaho. October 22nd, 2009.
 12. "Economics of Carbon Capture and Storage". Big Sky Carbon Sequestration Conference, Gallatin Gateway, Bozeman, Montana. September 23rd, 2009 (with Dr. John Antle).
 13. Economics and Policy Subgroup Update. NSF ID-EPSCoR RII Climate Change and Water Resources Annual Meeting. University of Idaho, Moscow, Idaho. August 31st, 2009.
 14. "Carbon Markets, Trading and Proposed US Legislation". Ladies Fortnightly. Hillcrest Country Club, Boise, Idaho. May 9th, 2009.
 15. "Carbon Credits - New Opportunities for Sustainable Land Management". Idaho Environmental Summit 2008: Cultivating a Sense of Place. Red Lion, Boise, Idaho. November 19, 2008.
 16. "Carbon Markets, Trading and Proposed Legislation". Big Sky Carbon Sequestration Partnership, Spokane, Washington. October 28, 2008.
 17. "Carbon Markets, trading and recently proposed US legislation" Center for Advanced Energy Studies, Carbon Management in Idaho, Boise State University. August 6, 2008.
 18. "Economics of Carbon Sequestration: the role for Agriculture". Idaho House Agriculture Committee, Old Ada Courthouse, Boise, Idaho. March 31, 2008.
 19. "Suitability of Layered Basalt for Industrial CO₂ Sequestration". Idaho Academy of Sciences, Boise State University, West Campus. March 28, 2008.
 20. "Economics of Carbon Sequestration: the role for Agriculture". Idaho Senate Agriculture Committee, Old Ada Courthouse, Boise, Idaho. March 11, 2008.
 21. "Climate Change, New Markets and the Global Business Community". Presented at Focus the Nation, Boise State University. January 30, 2008.
 22. "Carbon, Energy and Carbon Markets" Presented at 2008 Environmental Law Update. Addressing Energy, Growth and Development in Idaho and the West. Idaho State Bar, Hoff Building, Boise, Idaho. January 30, 2008.
 23. Carbon, Energy, and Carbon Credit Markets" Presented at Renewable Energy, Food, and

- Sustainability Intersession, Kansas State University, January 9, 2008.
24. Economics of Carbon Sequestration and the Carbon Market: Selling the Invisible. Presented at GEOG 501/FOR 501 Seminar Series "What Will Climate Change Mean For Idaho And The Interior West?" University of Idaho, November 16, 2007.
 25. Carbon Trading 101 Presented at, Practical Paths: Climate Change and Beyond. Boise Holiday Inn, October 31st, 2007.
 26. Panel Discussant, Environmental Sensing Symposium, Boise State University. October 25th, 2007.
 27. Carbon Sequestration and Carbon-Credit Trading. Boise Mayors Climate Task Force, Boise, Idaho. August 29th, 2007.
 28. Mitigating Climate Change: Carbon-Credit Trading. Idaho Environmental Forum, Boise, Idaho. August 8th, 2007.
 29. Suitability of layered basalt for industrial CO₂ sequestration. CAES Research Meeting, Idaho State University, July 17th, 2007.
 30. Environmental Markets: a new tool for environmental protection. Boise State University Earth Week, April 18th, 2007.
 31. Economics of Carbon Sequestration in Agricultural Soils. Terrestrial Carbon Sequestration Forum, University of Minnesota, April 20th 2006.
 32. Soils, Sinks and the CDM: selling an "invisible" commodity using the "invisible hand". Environmental Studies Colloquium, Middlebury College, March 16, 2006.
 33. Contract Efficiency and Transactions Costs from Measuring Soil Carbon Credits. Department of Economics, Boise State University, March 9th, 2006
 34. Economics of Carbon-Credit Generation and Trading. Natural Resources Ecology Laboratory, Colorado State University, November 4th 2005.
 35. Environmental and Ecological Benefits of Soil Carbon Management: Economic Benefits of Soil Carbon Sequestration. Lead Author Meeting, Kansas State University. February 10th 2005.
 36. Economics of Carbon Management. Kansas State University Alumni Center, Public Forum. February 11th, 2005.
 37. Climate, Carbon and Cowboys: Agriculture's role in reducing Greenhouse gases. School of Environment and Natural Resources, University of Wyoming, November 3rd, 2004.
 38. Scaling Model Results from Field to Region: Review of Models Addressing Payment Approaches for Cropland Carbon Sequestration, and Measurement Costs. Workshop #3: Modeling to support policy. Forestry and Agriculture Greenhouse Gas Modeling Forum. Shepherdstown, West Virginia. October 2004.
 39. What mechanisms exist for reconciling supply of and demand for science? What experience is relevant to the carbon cycle community? Carbon Cycle Science: Reconciling Supply and Demand. Colorado State University, Fort Collins. September 16th 2004.
 40. SUMAWA: The Njoro River Watershed. International Livestock Research Institute, Nairobi, Kenya. September 10th 2004.
 41. Integrated Economic and Biophysical Models: The Tradeoff Model Example. Egerton University, Njoro, Kenya. July 16th 2004.
 42. Economics and contracting for Soil Carbon. Carbon Sequestration: Science, Policy & Marketing in Wyoming. Casper Wyoming. June 22nd 2004.
 43. What are the Economic Costs of Measuring and Monitoring Soil Carbon? Third Annual Conference

- on Carbon Capture and Sequestration, Alexandria, Virginia. May 3rd, 2004.
44. Economics of Carbon Sequestration in Agricultural Soils: Existing Research and Further Questions Department of Plant Sciences, University of Wyoming, November 14th, 2003.
 45. Economics – Factors Affecting Costs of Measuring Soil Carbon. Carbon Measurement and Monitoring Forum, Kansas State University, October 17th 2003.
 46. Opportunities for Trading Soil Carbon Credits From Managed Ecosystems. School of Natural Resources, University of Nebraska, Lincoln, September 23rd 2003.
 47. Sequestering Carbon to sell Carbon Credits – Forestry. School of Natural Resources, University of Nebraska, Lincoln, September 23rd 2003.
 48. Selling Carbon Credits? Potential New Opportunity for Agriculture? Department of Animal Science, University of Wyoming. September 5th, 2003.
 49. Adaptation to Climate Change. Invited Testimony to Canadian Senate: Senate Standing Committee on Agriculture and Forestry. Ottawa, Canada. April 29th, 2003.
 50. Spatial Heterogeneity and Efficient Contract Design for Soil Carbon Sequestration. Department of Agricultural and Resource Economics and Department of Economics, Colorado State University March 24th, 2003.
 51. Carbon as a Commodity: Options for Rangelands. Society for Range Management. 56th Annual Meeting, Casper, Wyoming, February 3rd, 2003.
 52. Costs of Measuring Soil Carbon. USDA Symposium on Natural Resource Management to Offset Greenhouse Gas Emissions. Raleigh, North Carolina. November 20th, 2002.
 53. Soil Carbon Measurement Costs, Protocols, and Sequestration Rates Using a Linked Economic and Biophysical Simulation Model. USEPA, USDA/ERS, the Farm Foundation and Agriculture Canada – Forestry and Agriculture Greenhouse Gas Modeling Forum. National Conservation Training Center, Shepherdstown, WV. October 8th, 2002.
 54. A Measurement and Monitoring Protocol for Soil C: Influence on Efficient Policy Design. American Agricultural Economics Association Annual Meetings, Long Beach, CA. July 30th, 2002.
 55. Efficient Contract Design and a Measurement and Monitoring Protocol for Soil Carbon Sequestration. Presented at Environmental and Societal Impacts Group, National Center for Atmospheric Research, Boulder, CO. May 21st, 2002.
 56. Efficient Policy Design for Carbon Sequestration. Presented at University of Wyoming, Laramie. May 7th, 2002.
 57. Proposal for research on C sequestration - perennial ecosystems. Presented at Consortium for Agricultural Soils Mitigation of Greenhouse Gases – Task 2 working group meeting. Kansas City, November 14th, 2001.
 58. Agricultural Competitiveness in a Market for Soil Carbon. Presented at Northwest Economic Associates. November 5th, 2001.
 59. Spatial Heterogeneity and Design of Efficient Policies for Soil Carbon Sequestration. Presented at North Dakota State University. July 26th, 2001.
 60. Could Agriculture Compete in a Market for Carbon? Presented to Montana Carbon Offset Coalition. February 7th 2001. Holiday Inn, Bozeman, MT.
 61. Economic Analysis of Agricultural Soil Carbon Sequestration. Advances in Terrestrial Ecosystem Carbon Inventory, Measurements and Monitoring. Southern Global Change Program. North Carolina. October 3rd 2000.

62. Policy Design for Carbon Sequestration in Dryland Agricultural Systems of the Northern Great Plains. American Agricultural Economics Association Annual Meetings. 2000.
63. Ex post liability versus ex ante bonding as instruments for addressing environmental impacts of genetically modified crops. Western Agricultural Economics Association Annual Meetings. Vancouver, B.C., Canada. June 29 to July 1, 2000.
64. Jointly organized a symposium at the AAEA annual meetings: Policy Design Issues for Carbon Sequestration in Forestry and Agriculture.
65. Impacts of Spatial Scale on Integrated Assessment of Agricultural Production Systems. GCTE Focus 3 "Food and Forestry" Conference, Reading – UK. September 23rd, 1999.
66. Optimal Spatial Scale for Evaluating Economic and Environmental Tradeoffs. AAEA Annual Meeting Nashville, TN. August 8-11, 1999.
67. Designing Efficient Policies for Agricultural Soil Carbon Sequestration. International Symposium: Agricultural Practices and Policies for Carbon Sequestration in Soil. The Ohio State University. July 19-23, 1999.
68. Environmental Concerns and Risks of Genetically Modified Crops. Annual Meeting of the Canadian Agricultural Economics Society. Fargo, North Dakota, July 11-14, 1999.
69. Economic and Environmental Tradeoffs at the Watershed Scale: Costs of Stream Temperature Reduction. EPA Water Workshop, Seattle, WA. April 22nd, 1999.
70. A Cost-Effectiveness Analysis of Actions to Reduce Stream Temperature at the Watershed Scale. AAEA Annual Meeting. Salt Lake City, Utah. 1998.
71. A Descriptive Analysis of Economic and Biological Data Within the Greater Yellowstone Area, With Emphasis on Spatial Scale. Poster presentation. Yellowstone National Park 125th Anniversary Symposium, An Exploration of Natural Areas and Their Stewardship, Montana State University, Bozeman, Montana. 1998.
72. A Social-Economic Profile of Oregon Labor Markets. Presented in the symposium, Rural Labor Markets and Low Income Workers. Pacific Northwest Regional Economic Conference, Olympia, Washington. 1998.
73. Using GIS in a Cost-Effectiveness Analysis of Actions to Reduce Stream Temperature: A Case Study of the Mohawk Watershed. Presented in the symposium, Real World Applications of Blending GIS Technology to Agricultural Economic Modeling. AAEA Annual Meeting. Toronto, Canada. 1997.
74. Relationship Between the Implicit Value of Riverside Property, Environmental Amenities, and Streambank Protection. Selected paper at WAEA Meetings, Reno, Nevada. 1997.
75. The Aesthetic Value of Riparian Enhancement: A Hedonic Study of Changes in Property Values. Pacific Northwest Regional Economic Conference. Spokane, Washington. 1997.
76. Using Geographical Information Systems in Agricultural Economics: An Application to Watershed Management. Poster presentation at the Graduate Student Conference, Oregon State University. 1997.
77. Riparian Plantings on Private Lands: Will Incentives be required? Graduate Student Conference, Oregon State University. 1997.
78. The Mohawk Model: Description and Demonstration of Concepts. USDA/NRCS, Corvallis, Oregon. 1995.
79. Riparian Areas and Watersheds. Made to visiting Albanian agricultural economists. Corvallis, Oregon. 1995.

- 80. Cost Effectiveness Analysis of Actions to Enhance Water Quality. McKenzie Watershed Council, Eugene, Oregon. 1995.
- 81. Economic Impacts of Climatic Change on Crop Production in the Canadian Prairie Provinces. Selected paper for CAEFMS/SCERGA annual meeting at Fredericton, New Brunswick. 1991.
- 82. Potential Impacts of Climate Change on Agriculture in Manitoba. Agricultural Institute of Canada Workshop, Penticton, British Columbia. 1990.

INSTRUCTION AND GRADUATE ADVISING/COMMITTEES

Instruction

Guest Lectures

AGEC 3860	Economics of World Food and Agriculture	S 05
POLS 4710	Model United Nations	S 05, 06
Botany 4745/5745	Terrestrial Ecosystem Ecology	S 05
MKTG 430	International Marketing	F06
Geology 297/397	The Earth's Climate: Past and Future	F06
PUBADM 542	Science Democracy and the Environment	S07, 11
GEOG 501/FOR 501	What Will Climate Change Mean For Idaho And The Interior West?	F07

Courses Taught ((Number of Credits) S =Spring, Su=Summer, F = Fall, I=Intersession, VC = Variable Credits). # = graduate class.

AGEC 5310#	Firm Behavior and Production Economics (4)	F 02, 03, 04
AGEC 5660#	Research Methodology (2)	S 04, 05, 06
AGEC 5940#	Continuing Registration (VC)	S 05
AGEC 5960#	Thesis Research (VC)	S 05, F 05
AGEC 4700	Economics of Rangeland Resources (3)	S 03, 04, 05
AGEC 4910	Problems in Agricultural Economics (VC) <i>Integrated Assessment Modelling and Economic Measures of Poverty</i> <i>Economics of C Sequestration in Forests</i>	S 05 S 06
AGEC 4890	Special Topics (VC) <i>Environmental Finance</i>	S 06
EC 210	Introduction to Microeconomics	S 97
ECON 070	Introduction to Agricultural Economics	F 90
ECON 202	Principles of Microeconomics	F09 (2 sections), F10
ECON 303	Intermediate Microeconomics	F06 (2 sections), S07, F07 (2 sections), Su08, F08 (2 sections), Su09, F09 (2 sections), Su10, Int10.
ECON 498	Environmental Markets	S07, S09, F10
ECON 498G#	Environmental Markets	S07, S09, F10
ECON496	Independent Study	S10(2), S11(3)
EMBA512# (Executive Master of	Assessing Business Opportunities - Economics	F08, F09, F10

Business Administration)		
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Graduate Advising/Committees**Graduate Committees**

* Dissertation proposal has been defended

Name	Degree	Degree Date	Department
Morty Prisament	M.S.	Current	Interdisciplinary, Boise State University
Xiaozhe Shen	M.S.	2010	Agricultural Economics, University of Idaho
James Arati	MAB	2009	Agricultural Economics, Kansas State University
Padmaja Ponamaini*	M.S.	2007	Agricultural and Applied Economics, University of Wyoming
Travis McLing	Ph.D.	Current	Energy Resources, University of Idaho
Tracy Baldyga	Ph.D.	2008	Renewable Resources, University of Wyoming
Ahmet Ergenc*	Ph.D.	Did not complete	Economics, University of Wyoming
Neil Wilmot	Ph.D.	2007	Economics, University of Wyoming
Anita Chaudhry	Ph.D.	2007	Economics, University of Wyoming
Amitava Chatterjee	Ph.D.	2007	Renewable Resources, University of Wyoming
Shu Chen Wang	M.A.	2005	International Studies, University of Wyoming
Kimberly Garvie	M.S.	2007	Economics, University of Wyoming
Lusine Tadevosyan	M.S.	2006	Economics, University of Wyoming
Elizabeth Troyanek	M.S.	2005	Economics, University of Wyoming
Brent Sarchet	M.S.	2005	Agricultural and Applied Economics, University of Wyoming
Sara Campbell	M.S.	2003	Agricultural and Applied Economics, University of Wyoming
Gerald Telfort	M.S.	Transferred 2005	Agricultural and Applied Economics, University of Wyoming

Theses

Brent Sarchet. 2005. Unpublished M.S. Plan B Paper. Pilot Survey and Analysis and Wyoming Cattle Producers. May.

Sara Campbell. 2003. Unpublished M.S. Plan B Paper. The Economics of Rangeland Carbon Sequestration: A Wyoming Ranch Case Study. December.

Graduate research supervision and other staff supervision

Mengze Xu, Undergraduate Research Assistant, Boise State University

Kija Hansen, Undergraduate Research Assistant, Boise State University

Emil Huseynov, Undergraduate Research Assistant, Boise State University
 Seth Masarick, Research Assistant, Boise State University
 Neethu Abrahams, Research Assistant, Boise State University
 Zholi Zhou, Research Assistant, Boise State University
 Nanette Nelson, Research Associate, University of Wyoming
 Gerald Telfort, Research Assistant, University of Wyoming
 Barnett Sporkin Morisson, Research Assistant, University of Wyoming
 Rawley Heimer, Hourly Research, University of Wyoming
 Garrace DeGroot, Hourly Web Design, University of Wyoming
 Benjamin Aldridge, Research Scientist, University of Wyoming
 Heath Van Eaton, Research Assistant, University of Wyoming
 Brent Sarchet, Research Assistant, University of Wyoming
 Kimberly Garvie, Research Assistant, University of Wyoming
 Sara Campbell, Research Assistant, University of Wyoming
 Jennifer Scheer, Research Assistant, University of Wyoming

UNDERGRADUATE ADVISING

Undergraduate students, course and career advising

2003 – 2006 Between 16 to 20 undergraduate advisees per semester, University of Wyoming
 2002 6 undergraduate advisees

PROFESSIONAL SERVICE AND CONTRIBUTIONS

National and International Service

Current

2011 International Member, Graduate Program Review Committee, Bioresource Economics, University of Saskatchewan, Canada.
 2010 Soil Science Society of America, White Paper Team on Carbon Sequestration.

Past

2010 Council on Agricultural Sustainability and Technology (CAST) Leadership Team for report on Agricultural Carbon Sequestration
 2010 JUDGE AAEA Student Case Study Competition “Expanding the Shepherd’s Grain Brand”
 2008 MEMBER AAEA Selected Paper Review Committee
 2006 MEMBER NASA Applied Science Program Review Panel: Decision Support Through Earth-Sun Science Research Results
 2006 MEMBER American Agricultural Economics Association Selected Paper Review Panel
 2006 MEMBER American Agricultural Economics Association Poster Review Panel
 2006 MEMBER Western Agricultural Economics Association Selected Paper Review Committee
 2005-2008 MEMBER Committee for Women in Agricultural Economics (CWAE) Tracking Survey Advisory Board 2005
 2005-2007 NEWSLETTER CO-EDITOR Committee for Women in Agricultural Economics, American Agricultural Economics Association
 2004-2005 ASSOCIATE EDITOR *Journal of Environmental Quality*, special issue
 2003-2006 BOARD MEMBER AT LARGE Committee for Women in Agricultural Economics, American Agricultural Economics Association
 2003-2004 CHAIR SELECTION COMMITTEE Best MS thesis award, Western Agricultural Economics Association
 2002-2003 MEMBER SELECTION COMMITTEE Best MS thesis award, Western Agricultural Economics Association

CURRICULUM VITAE**Siân Mooney - Boise State University**

- 2002-2004 MEMBER SELECTION COMMITTEE Teaching award - Less than 10 Years Experience, Western Agricultural Economics Association
- 2003 MEMBER SELECTION COMMITTEE Best Ph.D. Dissertation, Canadian Agricultural Economics Society
- 2001 PANEL MEMBER EPA's Science to Achieve Results Program, Socio-economic Futures Proposals
- 2000-2002 ADVISORY COMMITTEE National Carbon Offset Coalition
- 2000-2002 MEMBER Montana Governor's Carbon Sequestration Working Group

State Service**Current**

- 2008- MEMBER Idaho Governor's Strategic Energy Alliance
- 2007- MEMBER Idaho Governor's Carbon Sequestration Advisory Committee

Past

- 2002-2006 MEMBER Wyoming Carbon Storage/Sequestration Advisory Committee, appointed by Governors Geringer and Freudenthal

University Service**Current**

- 2010 STEM Co-ordinating Council

Past

- 2010-2011 CHAIR, Faculty Senate Research Committee
- 2008 -2011 LIASON and BSU PROJECT DIRECTOR NSF EPSCoR RII "Water Resources in a Changing Climate" Boise State University
- 2008 -2011 LEAD Economics and Policy group, NSF EPSCOR RII grant – "Water Resources in a Changing Climate"
- 2007-2011 MEMBER (COBE Representative) Undergraduate Research Conference Advisory Committee – Boise State University
- 2007 -2010 MEMBER (COBE Representative) Research Council – Boise State University
- 2006 -2007 MEMBER (COBE Representative) Service Learning Committee – Boise State University
- 2005-2006 MEMBER White Paper Working Group, Adding Value to Wyoming's Coal Resource
- 2004-2006 MEMBER Energy Planning Group, Institute for Environment and Natural Resources, University of Wyoming
- 2004-2006 MEMBER Faculty Senate, University of Wyoming
- 2004 FACULTY ADVISOR University of Wyoming Environmental Engineering Design Squad, WERC 2004 Design Contest
- 2004 FACULTY ADVISOR project in graduate Risk Analysis class

College Service**Past**

- 2007-2009 MEMBER Research Support Enhancement Task Force, College of Business and Economics. Boise State University.
- 2006-2007 MEMBER GRADUATE POLICY College of Business and Economics, Boise State University
- 2006 MEMBER College of Business and Economics Dean's Evaluation Committee
- 2005 MEMBER SEARCH COMMITTEE Associate Dean, College of Agriculture, University of Wyoming
- 2004 MEMBER SAREC Planning Committee, University of Wyoming

Departmental Service**Current**

- 2010- Ad hoc, Graduate Program Design Committee, Dept. Economics, Boise State University

Past

- 2008 - 2009 MEMBER FACULTY SEARCH COMMITTEE, Dept. Economics, Boise State University
 2006 MEMBER FACULTY SEARCH COMMITTEE, Dept. Economics, Boise State University.
 2006 MEMBER Graduate Curriculum Redesign Committee, University of Wyoming
 2005-2006 MEMBER FACULTY SEARCH COMMITTEE, Assistant Professor
 2004 MEMBER Performance Standards Committee, University of Wyoming
 2003-2004 MEMBER SEARCH COMMITTEE Department Head, Agricultural and Applied Economics
 2002 MEMBER Undergraduate Curriculum Committee
 2002 MEMBER Ad hoc Committee for Website Redesign and Updating

Professional Reviews**Manuscript Reviews** ((X) indicates number of reviews if greater than 1)

- AgBio Forum – 2003, 2002, 2000
 Agricultural Economics – 2007 (2), 2002
 Agricultural Systems – 2006, 2005
 Agro-ecosystems and environment – 2007, 2006, 2001
 American Journal of Alternative Agriculture – 2001
 Canadian Journal of Agricultural Economics – 2007, 2006, 2005 (3), 2003, 2001, 2000, 1990
 Choices - 2008
 Environmental Management – 2009, 2006, 2005, 2003 (4)
 Journal of Agricultural and Resource Economics – 2007, 2005, 2004
 Journal of the American Water Resources Association - 2005
 Perspectives on Economic Education Research – 2005, 2004
 Rangeland Ecology and Management – 2008
 Soil Use and Management – 2008
 Western Economics Forum - 2009

Grant Proposal and Report Reviews ((X) indicates number of reviews if greater than 1)

- Agricultural Experiment Station – University of Wyoming – 2002 (2), 2010
 Canadian Foundation for Climate and Atmospheric Sciences – 2004
 Economic Research Service, United States Department of Agriculture - 2009
 Environmental Protection Agency- Expert Peer review, Report on Carbon Sequestration – 2005
 Environmental Protection Agency Science to Achieve Results: Socio-economic Futures, member of scientific review panel – 2001
 Hatch Grant, University of Wyoming –2002
 Idaho EPSCoR, Research Experience for Undergraduates 2009 (6), 2010 (14)
 Idaho EPSCoR – Review of CIDRA proposal (ad hoc) 2010.
 Idaho Governor's Carbon Sequestration Advisory Committee – 2008
 International Energy Agency – 2004
 The Kearney Foundation – University of California, Davis – 2005
 NASA – Research Opportunities in Space and Earth Sciences – 2006 (4)
 National Science Foundation (Science and Technology Centers Program) – 2004
 Nevada EPSCoR, seed grant program 2009 (7)
 Ohio Sea Grant – 2001
 US Department of Agriculture - NRICGP-Enhancing the Prosperity of Small Farms and Rural Agricultural Communities – 2005

US Department of Agriculture-Small Business Innovation Research Phase I – 2004
University of Wyoming – Faculty Grant in Aid – 2006 (6)