**SUSAN M. CAPALBO**

**Academic Resume**

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Office of the Provost:

Senior Vice-Provost for Faculty Affairs

Accreditation Liaison Officer (ALO)

Interim Senior International Officer (SIO)

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Department of Applied Economics

207 Ballard Extension Hall

Oregon State University

Corvallis, OR 97331-3601

Website: http://agsci.oregonstate.edu/users/susan-capalbo

**EDUCATION:**

Ph.D., Agricultural Economics, University of California-Davis, 1982

M.S. and B.S., Resource Economics and Economics, University of Rhode Island, 1976, 1975

**HIGHLIGHTS OF RECENT PROFESSIONAL ACTIVITIES:**

* RESEARCH: Science-based economic policy and decision support software for agricultural, environmental, and resource issues
* RESEARCH: Climate change research and policy; sustainable development, resilience and tradeoffs
  + Co-Lead, US National Climate Assessment report for the PNW, 2013-2014
* Rethinking Land Grant Universities and research partnerships for 2012 and beyond
  + Metrics for University outcomes (research, academic, outreach)
* Diversity, inclusion and equity: changing university landscapes
  + Co-Chair, OSU President/Provost’s Self Study Committee on Diversity, Equity and Inclusion, 2011-2012;
  + Leadership Advisory committee for OSU’s NSF ADVANCE grant
  + Creator of Montana State University’s ongoing program on Undergraduate Research Internships for Enhancing Diversity in Science and Engineering. 2006 http://www.montana.edu/wrt/PresScholars8.html
  + PI on Montana State University’s NSF/ADVANCE Leadership grant, $299,677 (2006-2010)
  + MSU NCAA Certification Subcommittee Chair, *Equity, Welfare, and Sportsmanship*, 2001-2002
* Leadership appointments at the Departmental and University levels
  + Senior Vice-Provost for Faculty Affairs, Oregon State University, 2016-present
  + Accreditation Liaison officer for OSU
  + Interim Senior International Officer
  + Member, OSU President’s Cabinet 2016-present
  + Chair OSU Strategic Plan SP4: 2019-2024
  + Co-Chair OSU Strategic Vision 2030 committee, 2016-2017
  + Chair, OSU Strategic Planning Committee for SP3.0: 2013-2014
  + Department Head, Applied Economics, OSU 2008-present
  + Chair, Hatfield Marine Science Center 10-year Comprehensive Review, Fall 2010; and member, Implementation Committee for HMSC, 2011-2012
  + Research Office “Tiger Team” for Interdisciplinary Research Projects, 2010-2011
  + President’s Committee on the Status of Women, 2010-2011
  + MSU Athletic Committee, 2002-2005
  + Numerous P&T and Search Committees at OSU and MSU
  + Member, NAS Board on Agriculture and Natural Resources (BANR) 2014-present
  + Member, USAID Technical Advisory Committee for Integrated Pest Management Innovation Lab (IPM IL, formerly CRSP) and External Evaluation Panel of IPM CRSP, 2009-2016

**EMPLOYMENT HISTORY:**

**Current:**

Senior Vice-Provost, Oregon State University, Corvallis, OR 2016-present

Accreditation Liaison Officer for OSU, 2017-present

Interim Senior International Officer, OSU 2017-present

Professor, Department of Applied Economics, Oregon State University, 2008-present

**Previous:**

Department Head and Professor, Department of Applied Economics (formerly Agricultural & Resource Economics) Oregon State University, Corvallis, OR 2008-2016

Director, Applied Economics Graduate Program, Oregon State University, Corvallis, OR 2012-2015

Director of Special Projects, Office of the Vice President for Research, Creativity and Technology Transfer, Montana State University, Bozeman, MT, August 15, 2002-2008 (75% time)

Professor, Department of Agricultural Economics and Economics, Montana State University, Bozeman, MT, 2002-2008

Assistant/Associate Professor, Department of Agricultural Economics and Economics, Montana State University, Bozeman, MT, 1987-2001

Visiting Research Fellow, National Center for Food and Agricultural Policy, Resources for the Future, Washington, DC; and Visiting Scholar, ERS/USDA, Washington, DC, 1989-1990

Visiting Lecturer, University of California-Davis, 1987

Fellow, National Center for Food and Agricultural Policy, Resources for the Future, Washington, DC, 1984-1986

Assistant Professor, Department of Agricultural and Resource Economics, University of Maryland, College Park, MD, 1982-1983

Postgraduate Research Agricultural Economist, Department of Agricultural Economics, University of California-Davis, 1980-1982

Economist, National Marine Fisheries Service, National Oceanic and Atmospheric Administration, Department of Commerce, Washington, DC, 1976-1977

**HONORS AND FELLOWSHIPS:**

Roy G. Arnold/Agricultural Research Foundation Leadership Award (Oregon State University) 2014

Board on Agriculture and Natural Resources (BANR), NAS May 2013-present

Western Agricultural Economics Association (WAEA) Distinguished Scholar, 2012

Marie Tharp Fellow, Earth Institute, Columbia University, New York, NY (Visiting Appointment AY 07-08)

Bryn Mawr College and HERS, Mid-America Summer Institute for Women in Higher Education Administration, June-July 2002

Honorable Mention, Outstanding Journal Article, Journal of Agricultural and Resource Economics, 1994

Outstanding Journal Article Award, Northeastern Journal of Agricultural and Resource Economics, 1992

Phi Kappa Phi, Omicron Delta Epsilon 1976

Visiting Research Fellow, National Center for Food and Agricultural Policy, Resources for the Future, 1989-1990

AAEA Travel Grant Award for IAAE Meetings, 1985

Outstanding Teaching Assistantship Award, University of California-Davis, 1978

Henry Jastro Regents Fellowship, University of California-Davis, 1978-1980

Honor Society, University of Rhode Island, 1974-6

Phi Kappa Phi, URI 1974

**LEADERSHIP AND SERVICE:**

**National and Regional Boards and Committees:**

Member, Technical Advisory Committee (TAC) for Integrated Pest Management Innovation Lab (IPM IL)

Member, Board on Agriculture and Natural Resources (BANR), National Academy of Science, May 2013-present

Lead Author, US National Climate Assessment Report (PNW Team), 2012

Chair (elected), AAEA National Association of Agricultural Economics Administrators, 2011-2012

External Evaluation Panel for the IPM CRSP project at Virginia Tech, 2009

Cornell University, Agricultural Economics Departmental Site Review, 2009

Montana NSF/EPSCOR Advisory Committee, 2004-2007

Lariat Network/Internet2 Task Force, 2004-2006

NSF, Panel Review for Research on Gender in Science and Engineering, 2004-2006

USDA/NRI, Watershed Processes and Water Resources Panel, 2004

USDA/CSREES Departmental Site Review for Utah State University, 2001

USDA/CSREES Departmental Site Review for University of Nevada-Reno, 1998

NRICGP/USDA Panel Manager, Markets and Trade, 1995-1996

National Research Council, Water Resource and Technology Board subcommittee on “Valuing Groundwater,” 1994-1997

USDA review team for University of Nevada-Reno, Dept. of Ag Econ, 1997

NRI Review Panel for Markets and Trade, Washington, DC, May 1994

Regional Project W-133, Costs and Benefits for Resource Valuation, 1994-present

**Professional Organizations:**

AAEA NAAEA Chair, 2011-2013

AAEA Mentoring Task Force, 2010-2013

AAEA Executive Board, 2002-2005

Chair**,** Quality of Research Discovery Award, AAEA Awards Committee, 2000, 2001

Masters’ Thesis Award Committee, Western Agricultural Economics Association, Spring 2001

AEA Awards Committee member of Quality of Research Discovery Award, 1999, 2010, 2011

AAEA Task Force on “Economic and Environmental Data Needs,” 1994-1997

Director, Western Agricultural Economics Association, 1992-1994

Chairperson, AAEA Quality of Research Discovery Award Committee, 1991, 1992

American Agricultural Economics Association, Awards Selection Committee, 1988-1991

Chairperson, Western Agricultural Economics Association, M.S. Thesis Award Committee, 1990

Western Agricultural Economics Association, Awards Selection Committee, 1989, 1990

**Membership:**

Member, American Agricultural Economics Association

Committee for Women in Agricultural Economics (CWAE)

Member, American Economic Association

Member, Canadian Economic Association

Member, Western Agricultural Economics Association

Member, Association of Environmental and Resource Economists

Member, American Association of University Women

**Editorial Boards:**

Editorial Council, *Choices*, 2015-2017

OSU Press Board, 2012-2016

Associate Editor, *American Journal of Agricultural Economics*, 1990-1994

Special Review Committee, *American Journal of Agricultural Economics* *75th Anniversary Issue*, 1992

Editorial Council, *Western Journal of Agricultural Economics*, 1988-1990

Reviewer for: Selected papers, American Agricultural Economics Association, 1988-92 and Western Agricultural Economics Association 1989-1992; *American Journal of Agricultural Economics*; *Journal of Agricultural and Resource Economics; Western Journal of* *Agricultural Economics*; *Journal of Marine Resource Economics*; *Journal of Economics and Environmental* *Management*; *Journal of Productivity Analysis*; *Land Economics*; *Resources for the Future Press*; *Westview* *Press*, *Review of Agricultural Economics*

Reviewer for National Marine Fisheries Service Sea Grant Proposals

**OSU Departmental and University Service:**

Co-Chair, OSU Strategic Visioning committee, 2016-2017

Applied Economics Graduate Faculty

Graduate Faculty, School of Public Policy

Member, OSU Marine Studies Initiative committee, 2014-present

Chair, OSU Strategic Planning Task Force, 2013-2014

Chair, Search Committee for FW Department Head, 2015

Chair, Search Committee for CSS Department Head, 2013-2014

Co-Chair President’s and Provost’s Self Study Committee on Diversity, Equity and Inclusion, 2011-2012

Member, Search Committee, Dean of Forestry, 2011-2012

Member, Implementation Committee for HMSC, 2011-2012

Member, Research Office “Tiger Team” for Interdisciplinary Research Projects, 2010-2011

Member, President’s Committee on the Status of Women, 2010-2011

Rural Studies Program Task Group, 2011

Chair, Hatfield Marine Science Center 10-year Comprehensive Review, Fall 2010

Search Committee Chair, Sun Grant Regional Director, 2011

Governor’s Global Warming Commission’s NR Subcommittee on Agricultural Carbon Sequestration, 2008-09

College of Agriculture, P&T Committee, 2010-2011

Department of Crop & Soil Science, P&T Committee, 2008-present

Climate Change Initiative Hiring Committee, 2008-present

Sun Grant Director, Hiring Committee, 2008

**MSU Departmental and University Service:**

President’s Cabinet, 2002-2008

Information Technology Advisory Committee, 2004-2005

MSU Athletic Committee, 2002-2005

College of Agriculture, P&T Committee, 2002-2003

Advisory Committee, Diversity Awareness Office, VP for Student Affairs, 2002

NCAA Certification Steering Committee, 2001-2002

NCAA Certification Subcommittee Chair, *Equity, Welfare, and Sportsmanship*, 2001-2002

MSU Salary Review Committee, 2000-2002

Search Committee, Department of Land, Resources, and Environmental Sciences, Assistant Professor of Landscape

Analysis and Management, 2001-2002

Search Committee, College of Agriculture, Assistant/Associate Professor in Agricultural Biological Risk Analysis, 2001

MSU EPSCoR Infrastructure Proposal Development Committee, Winter-Spring 2000

MSU Search Committee, Dean of College of Business, 2000

Search Committee, Dean, College of Business, 1999-2000

Search Committee, Director of Health Sciences, 1997

College of Agriculture, Promotion and Tenure Committee, 1995-1996

University Grievance Committee, 1994-1996

University Budget Committee, 1993-1996

University Productivity, Quality and Outcomes Task Force, 1994-1995

University Long Range Planning Committee, 1992-1997, Chair 1993-1995

Search Committee for Director, Yellowstone Center for Mountain Environments, 1993-1994

P&T Committee, Entomology Research Lab, 1993

Departmental Advisory Committee, 1988-89, 1989-90, 1991-92, 1992-93

Search Committee for the Dean of College of Agriculture and Director, AES, 1991-1992

Plant and Soil Science Search/Recruitment Committee, 1990-1991

Departmental Search/Recruitment Committee, 1987-88 (member), 1988-89 (member), 1990-91 (co-chair)

**RESEARCH AND TEACHING FIELDS:**

**Research Expertise:**

Multidisciplinary Research Integration and Data Platforms

Environmental-Economic Tradeoff Analysis

Climate Change and Carbon Sequestration

Natural Resources; Environmental Quality

Productivity Analysis and Production Theory

Rural Health Care and Cost-Benefit Analysis

**Teaching Expertise:**

Production and Development Economics

Environmental Economics

Natural Resources Valuation

Benefit Cost Analysis

Microeconomics, Principles and Intermediate

Imperfect Competition

Agricultural Economics

**Current Graduate Students while at OSU:** Isabel Guerra, Nadine Hanhan, Jeff McCaulou, Tyler West, Flavius Badau, Yukiko Hashida, Jenna Way

**Previous Other Graduate Students/committees:** 30+

**GRANTSMANSHIP**

**Awarded:**

“Interdisciplinary climate change research and extension for building sustainable agroecological systems”. March 2016 – March 2019 $99,274.

“Pacific Northwest Climate Hub Outreach Project 2015-16,” $50,000 (07/01/15 - 6/30/16).

“Environmental Sustainability Tradeoff Assessment and Research (ESTAR) Program to Support the Gates Foundation Grants and Portfolio Strategies”, Bill and Melinda Gates Foundation, 2012-2014, $136,000.

“Developing a Sustainable Biofuels System in the PNW: Economic, Policy and Commercialization Analysis,” USDA/NIFA (co PI).2012-2016 $350,000.

“Pacific Northwest Climate Impacts Research Consortium,” NOAA, Philip Mote, lead PI, $2,052,051 (08/31/2010-2015).

“Graduate Education in the Economics of Mitigating and Adapting to Climate Change,” USDA/NNF Fellowship grant, 2012-2016. $241,000.

“PNW Climate Impacts Research Consortium (CIRC),” NOAA, co PI, lead PI is Philip Mote. OSU OCCRI, 4 years, $750,000. 2010-2014. http://pnwclimate.org/partners

“Big Sky Carbon Sequestration Phase III: Economic Assessment of Geological Sequestration Opportunities in the NW and Northern Great Plains” DOE/NREL (MSU lead institution) (co PI with John Antle) $987,000 (2011-2014).

“Regional Approaches to Climate Change in Pacific Northwest Agriculture”, USDA/NIFA CAP Grant, awarded to UI, OSU, WSU, $20,000,000 (Feb 2011-Feb 2016). (co PI with John Antle from OSU) (OSU share $4,000,000).

“Economic Implications of Climate Change Policy on Oregon Agriculture.” Oregon Wheat Commission, Principal investigators: W. K. Jaeger, S.M. Capalbo. ARF. $19,984.

“Planning a Long-Term Agricultural Project for Dryland Agroecosystems of the Inland Pacific Northwest.” Principal investigators: S.D. Eigenbrode, S.M. Capalbo. National Institute of Food and Agriculture (NIFA/USDA) September 2009-September 2011. $200,000.

“Grass Seed Research.” Principal investigators: B. Eleveld and S.M. Capalbo. OSU Agricultural Research Foundation. February 2009-June 2010. $60,000.

“Carbon Registries and Protocols.” Principal investigator: S.M. Capalbo. Kansas State University. December 2008-March 2009. $15,466.

“Norman E. Borlaug International Agricultural Science and Technology Fellows Program.” Oregon State University. October 2008. $5,000.

“Terrestrial Carbon Sequestration Options in the Northwest Region.” Principal investigator: S.M. Capalbo. USDA grant/subcontract from KSU. Montana State University. July 2008-October 2008. $47,317.

“NSF ADVANCE Leadership Award: Big Sky Leadership Initiative to Advance Women Into Careers in Research Leadership”, award #0545393 PI: Capalbo, S.M., Monahan, S, Graumlich, L, Jacobs, G (2006-2010) $299,677 http://www.nsf.gov/awardsearch/showAward?AWD\_ID=0545393&HistoricalAwards=false.

“Big Sky Carbon Sequestration Partnership, Phase II.” Principal investigator: S.M. Capalbo. Department of Energy/NREL Fossil Energy Research and Development Program. October 2005-September 2009, $17,900,000. Further information available at www.bigskyco2.org.

“Investing in People: Valuing a More Diverse Engineering Workforce.” National Science Foundation, October 2005-September 2006, $191,422. Principal investigator: S.M. Capalbo; Co-Investigators: A. Camper and N. Ballenger. For more information visit: http://www.montana.edu/wrt/.

“Consortium for Agricultural Soils Mitigation of Greenhouse Gases (CASMGS).” Principal investigator/coordinator for MSU: S.M. Capalbo. $15,000,000 received from USDA Crop Insurance legislation. MSU share of funding to be approximately $1,320,000 for 2002-2003 (extended to August 2006). Further information available at www.casmgs.montana.edu.

“Big Sky Carbon Sequestration Partnership.” Principal investigator: S.M. Capalbo. Department of Energy, Fossil Energy Research and Development Program. October 2003-September 2005, $1,997,889. Further information available at www.bigskyco2.org.

“Agricultural Research Leadership for the 21st Century.” USDA/ERS. Principal investigator: S.M. Capalbo. September 2003-September 2005, $20,000.

“Close Coupling of Ecosystem and Economic Models: Adaptation of Central U.S. Agriculture to Climate Change.” Research proposal funded by USEPA program on Assessing the Consequences of Interactions between Human Activities and a Changing Climate. Principal investigators: J.M. Antle, S.M. Capalbo, S. Mooney, E. Elliott, and K. Paustian; October 2000-September 2003, $1,420,860 (extended to February 2005). Summary available at www.climate.montana.edu.

“A Measurement and Monitoring Protocol for Policies Designed to Sequester Soil Carbon.” USDA-NRI, Principal investigators: S. Mooney, J.M. Antle, and S.M. Capalbo, 2002-2003, $58,000 (extended to November 2004).

“The Environment, Resource Use and Society.” Part of the “Reinventing the Core: Research/Creative Experience” project funded by the William and Flora Hewlett Foundation. Principal investigators: S.M. Capalbo and S. Mooney; AY 2002-2003, $4,000.

“Economically Optimal Spatial Scale for Integrated Analysis of Agricultural Production Systems.” National Science Foundation, Methods and Models for Integrated Assessment Program. Principal investigators: J.M. Antle, S.M. Capalbo, S. Mooney, and K. Paustian; June 2000-November 2003, $275,000. Summary available at www.climate.montana.edu.

“Policy Design and Implications for Ag Soil C Sequestration.” USDA National Research Initiative Competitive Grants Program. Principal investigators: J.M. Antle, S.M. Capalbo, and S. Mooney; FY 2000-2001, $70,000. (One-year extension to 6-30-02.)

“Consortium for Agricultural Soils Mitigation of Greenhouse Gases (CASMGS).” Environmental Protection Agency. Principal investigators: J.M. Antle and S.M. Capalbo; MSU portion of grant for FY 2000-2001, $23,500. Summary available at www.climate.montana.edu.

“Testing Hypotheses in Integrated Impact Assessments: Climate Variability and Economic Adaptation in Great Plains Agriculture.” U.S. Department of Energy, National Institute for Global Environmental Change. Principal investigators: J.M. Antle, S.M. Capalbo, and J. Hewitt. 2-year proposal submitted in 1998, first year funding approved for 1998-1999, $130,000; second year funding approved for 1999-2000, $130,000. (Extension to 6-30-02.)

“Heterogeneity and Scale in Modeling the Economic Impacts of Climate Change in Great Plains Agriculture.” DOE/NIGEC. Principal investigators: J. Antle, S. Capalbo, and J. Hewitt; 1996-1999, $520,693.

“Analyzing Health Services Decision-Making in Rural Montana Communities.” Federal Office of Rural Health Care Policy, DLHHS. Principal investigators: S.M. Capalbo, R. Flaherty, and J. Shreffler; 1996-1997, $49,893.

“Economic and Environmental Tradeoffs in Assessing Sustainability: A Study of Dryland Agriculture.” USDA/NRICGP. Principal investigators: S.M. Capalbo and J.B. Johnson; October 1995-September 1997, $130,475.

“Economic Impact Assessment of IPM: Advisory Committee.” USDA/ERS proposal. Principal investigators: J.M. Antle and S.M. Capalbo; June 1995-September 1997, $23,000.

“Heterogeneity and Scale in Modeling the Economic Impacts of Climate Change on Agriculture in Great Plains and Northern Rocky Mountains Ecosystems.” Seed money grant from Great Plains Regional Center for Global Climate Change. Principal investigators: J.M. Antle, S.M. Capalbo, and J.A. Hewitt; Summer 1995, $14,985.

“Economics and Sustainability of Crop and Livestock Agriculture in the Northern Plains and Foothill Mountain Environments.” USDA/CSRS/ACE. Principal investigators: S.M. Capalbo, J.M. Antle, and J.B. Johnson; June 1992-June 1996, $111,079.

“Economic and Physical Model Integration for Analysis of the Impacts of Agricultural Chemical Use on Ground Water Quality.” USDA/ERS/RTD. Principal investigators: J.M. Antle and S.M. Capalbo; June 1992- September 1995, $131,314. (Additional $10,000, November 1993).

“Agricultural Chemical Use and Sustainability of Andean Potato Production.” Rockefeller Foundation. Principal investigators: J.M. Antle and S.M. Capalbo (MSU) and C. Crissman (CIP); 1990-1995, $337,000.

“International Comparisons of Agricultural Productivity: Theory and Measurement.” Cooperative agreement with USDA/ERS/ATAD, No. 58-3AEL-8-00062. Principal investigator: S.M. Capalbo; August 1988-September 1991, $36,793.

“Economic Analysis of the Bullhead Water Quality Project.” Principal investigators: J. Antle, S. Capalbo, and D. Griffith; November 1990-September 1991, $6,000.

“Measurement of Agricultural Pollution Externalities: Towards an Integration of Disciplinary Models, Methods, and Data.” Cooperative agreement with USDA/ERS/RTD, No. 58-3AEM-9-80058. Principal investigator: S.M. Capalbo; September 1989-May 1990, $29,754.

“Environmental and Health Costs of Agricultural Chemical Use in Southeast Asia Rice Production.” Rockefeller Foundation. Principal investigators: J.M. Antle, S.M. Capalbo (MSU), and P. Prabhu (IRRI); January 1989-December 1990, $158,500.

“The Measurement and Evaluation of Agricultural Pollution Externalities.” Resources for the Future Small Grant. Principal investigators: J.M. Antle and S.M. Capalbo; July 1988-June 1989, $19,236.

“Agricultural Productivity: Measurement Issues, Data Development, and Policy Linkages.” Cooperative agreement with USDA, No. 58-319V-6-00059. Principal investigators: K. Farrell and S.M. Capalbo; May 1986-September 1987, $35,000.

“Productivity in the Food and Agricultural Sector: Sources of Growth, Potential Constraints, and National Public Policy Implications.” Rockefeller Foundation Grant No. RF-83012 to Resources for the Future. Principal investigators: K. Farrell and S.M. Capalbo; 1984-1986, $300,000.

**PUBLICATIONS AND PRESENTATIONS:**

**Refereed Publications:**

Antle, J.M., S. Capalbo and L. Houston. (under review) “Towards a Knowledge Infrastructure for Science-Based Agricultural Policy and the Sustainable Management of Agricultural Landscapes.”

Capalbo, S.M., C. Seavert, J. Antle, J. Way, L. Houston. 2018 “Understanding Tradeoffs in the Context of Farm-scale impacts: AN Application of Decision-support Tools for Assessing Climate Smart Agriculture”, *Climate Smart Agriculture,* pp173-197

Antle, J., J. MU, H. Zang, S. Capalbo, P. Diebel, S. Eigenbrode, C Kruger, C. Stockle, J. Wulfhorst, J. Abatzoglou (2017) “Design and Use of Representative Agricultural Pathways for Integrated Assessment of Climate Change in US Pacific Northwest Cereal-based Systems” *Frontiers of Ecological Evolution,* 14 September 2017 <https://doi.org/10.3389/fevo.2017.00099>

Houston, Laurie, Susan Capalbo, Clark Seavert, Meghan Dalton, David R. Bryla and Ramesh Sagili. 2017. Specialty Fruit Production in the Pacific Northwest:  Adaptation Strategies for a Changing Climate.  *Climatic Change*. (), 1-13. First Online: [03 April 2017.](http://link.springer.com/article/10.1007/s10584-017-1951-y?wt_mc=Internal.Event.1.SEM.ArticleAuthorOnlineFirst#article-dates-history)

DOI  [10.1007/s10584-017-1951-y](http://link.springer.com/article/10.1007/s10584-017-1951-y)

Susan M. Capalbo, John M. Antle, and Clark Seavert. 2017. Next generation data systems and knowledge products to support agricultural producers and science-based policy decision making. *Agricultural Systems*, Vol. 155 pp 191-199. <https://doi.org/10.1016/j.agsy.2016.10.009>

Long, D.S., J.D. McCallum, C.T. Martin and S. Capalbo. (2016) “Net Returns from Segregating Dark Northern Spring Wheat by Protein Concentration during Harvest” *Agronomy Journal*. Vol. 108, pp 1–11.

Lauer, C., J. McCaulou, J. Sessions, S. Capalbo (2015) “Biomass Supply Curves for Western Juniper in Central Oregon, USA, under alternative business models and policy.” *Forest Policy and Economics*, vol 59, Oct pp 75-82.

Antle, J., S. Capalbo and L. Houston. (2015) “Using big data to evaluate agro-environmental policies.” *Choices: The Magazine of Food, Farm and Resource Issues*, 30(3). Available online: http://www.choicesmagazine.org/choices-magazine/submitted-articles/tapping-into-big-data-to-improve-agro-environmental-outcomes.

Capalbo, S.M. (2015). “Congress on Adapting Food Production to a Changing Climate,” summary paper, *Renewable Resources Journal*, Vol 29-2015, Number 1.

Mote, P., J. Bethel, S. Capalbo, M. Dalton, S. Eigenbrode, P. Glick, L. Houston, J Littel, K Lyon, R Raymondi, W. Reeder, A. Snover, (2013) *Climate Change in the Northwest,* [*https://sustainablefuture.osbar.org/files/2013/11/2013-winter-4-revised-climate-change-in-the-nw-mote.pdf*](https://sustainablefuture.osbar.org/files/2013/11/2013-winter-4-revised-climate-change-in-the-nw-mote.pdf)[*https://www.globalchange.gov/ncadac*](https://www.globalchange.gov/ncadac)

Reeder, S., p. Ruggiero, S. Shafer, A. Snover, L.Houston, P. Glick, J. Newton, S. Capalbo,(2013) “[Complex Changes Affecting the Northwest's Diverse Shorelines](http://books.google.com/books?hl=en&lr=&id=NZfxAQAAQBAJ&oi=fnd&pg=PA67&dq=info:T_hAfjwpKpAJ:scholar.google.com&ots=_1m9fspTvn&sig=5rPkQVVA9qP_la1hXi0rK23QBTA)” in *Climate Change in the Northwest* in Island Press <https://forterra.org/wp-content/uploads/2015/05/Anthropocene_StayInformed_daltonetal678.pdf#page=108>

Capalbo,S., L. Houston, A. Stover (2013) “Agriculture: Impacts, Adaptation, and Mititgation” in *Climate Change in the Northwest* in Island Press <https://forterra.org/wp-content/uploads/2015/05/Anthropocene_StayInformed_daltonetal678.pdf#page=108>

Antle, J.M., S.M. Capalbo. (2010) “Adaptation of Agricultural and Food Systems to Climate Change: An Economic and Policy Perspective.” *Applied Economics Perspectives and Policy (AEPP*) 32(3): 386-416*.*

Capalbo, S.M., Wu, C., Goldberg, D., Matter, J. and A. Slagle. (2009). “Economic dimensions of geological CO2 storage: Key factors in an assessment of sub-seafloor and continental sequestration options.” *Energy Procedia* 1(1) Feb 2009. Pages 2745-52. http://dx.doi.org/10.1016/j.egypro.2009.02.045

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(1‑2):55‑72.

Antle, J.M., S.M. Capalbo, K.H. Paustian, and M.K. Ali. (2007). “Estimating the Economic Potential for Agricultural Soil Carbon Sequestration in the Central United States Using an Aggregate Econometric-Process Simulation Model.” *Climatic Change* 80(1-2):145-171.

Antle, J.M., S.M. Capalbo, E.T. Elliott, and K.H. Paustian. (2004). “Adaptation, Spatial Heterogeneity, and the Vulnerability of Agricultural Systems to Climate Change and CO2 Fertilization: An Integrated Assessment Approach.” *Climatic Change* 64(3):289-315.

Capalbo, S.M., J.M. Antle, S. Mooney, and K.H. Paustian. (2004). “Sensitivity of Carbon Sequestration Costs to Economic and Biological Uncertainties.” *Environmental Management* 33(S1):S238-S251.

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.

Mooney, S., J.M. Antle, S.M. Capalbo, and K.H. Paustian. (2004). “Influence of Project Scale and Carbon Variability on the Costs of Measuring Soil Carbon Credits.” *Environmental Management* 33(S1):S252-S263.

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 (S1): S238 - S251.

Antle, J.M., S.M. Capalbo, S. Mooney, E.T. Elliott, and K.H. Paustian. (2003). “Spatial Heterogeneity, Contract Design, and the Efficiency of Carbon Sequestration Policies for Agriculture.” *Journal of Environmental* *Economics and Management* 46(2):231-250.

Antle, J.M., S.M. Capalbo, and S. Mooney. (2002). “Farming the Environment: Spatial Variation and Economic Efficiency in Soil; Developing Policies for Carbon Sequestration and Agriculture.” *Choices* 17(4):24-25.

Capalbo, S.M., T.J. Kruzich, and C.N. Heggem. (2002). “Strengthening a Fragile Rural Health Care System: Critical Access Hospitals and Telemedicine.” *Choices* 17(4):26-29.

Antle, J.M and S.M Capalbo. (2002). “Agriculture as a Managed Ecosystem: Policy Implications.” *Journal of Agricultural and Resource Economics* 27(1):1-15.

Antle, J.M., S.M. Capalbo, S. Mooney, E.T. Elliott, and K.H. Paustian. (2002). “A Comparative Examination of the Efficiency of Sequestering Carbon in US Agricultural Soils.” *American Journal of Alternative Agriculture* 17(3):109-115.

Antle, J.M., S.M. Capalbo, S. Mooney, E.T. Elliott, and K.H. Paustian. (2002). “Sensitivity of Carbon Sequestration Costs to Soil Carbon Rates.” *Environmental Pollution* 116(3):413-422.

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**Invited Research-related Presentations (not including administrative presentations):**

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Capalbo, S.M. and J.M. Antle. (2001). “Prospects for Agricultural Carbon Sequestration: An Economic Assessment.” Paper presented at the Western Economics Association annual meetings, San Francisco, July.

Antle, J.M. and S.M. Capalbo. (2001). “Agriculture as a Managed Ecosystem: Implications for Econometric Analysis of Production Risk.” Paper presented at the SER-IEG-31 meetings on *A Comprehensive Assessment of the Role* *of Risk in Agriculture*, Gulf Shores, AL, March 22.

Antle, J.M., S.M. Capalbo, and S. Mooney. (1999). “Optimal Spatial Scale and Economic and Environmental Tradeoffs.” Selected Paper presented at AAEA Annual Meetings, Nashville, TN, August.

Antle, J.M. and S.M. Capalbo. (1999). “Economic Models for Integrated Assessment of Agricultural Production Systems.” Paper presented at the Global Change in Terrestrial Ecosystems Conference, Reading, UK, September.

Antle, J.M., S.M. Capalbo, and S. Mooney. (1999). “Designing Efficient Policies for Agricultural Soil Carbon Sequestration: Economics of Soil C Sequestration in the Northern Plains.” Invited presentation at *Exploring* *Opportunities for Carbon Sequestration: A National Conference.* Missoula, MT, October.

Antle, J.M., S.M. Capalbo, and S. Mooney. (1999). “Designing Research to Analyze Climate Change Impacts Dryland Grain Production in the Northern Plains.” Invited presentation at Climate Change Meeting the Challenge/Seizing the Opportunities UMAC Conference, University of North Dakota, Grand Forks, November 14-16.

Capalbo, S.M. (1999). “Valuing Rural Health Care: Issues of Access and Quality.” Invited presentation at the AAEA session on *Discrete Choice Demand Models for Rural Health Policy Evaluation*, New York, January.

Capalbo, S.M. and C.N. Heggem (1998). “Evaluating Telemedicine in Rural Settings: Issues and Applications.” Invited presentation at the UDSA workshop on Rural Telecommunications, Washington, DC, September.

Capalbo, S.M., R. Flaherty, and J. Shreffler. (1998). “The Critical Access Hospitals: Determining What’s Right for Your Community.” Invited presentation to the annual Northwest Regional Rural Health Conference, Spokane, WA, March.

Capalbo, S.M. (1998). “The Experience of Montana’s Medical Assistance Facilities.” Invited presentation at the University of Washington’s Rural Health Care Conference, Seattle, May.

Capalbo, S.M. and J.A. Hewitt. (1998). “Valuing Natural Assets: An Application to Yellowstone National Park.” Presentation for the 125th Anniversary of YNP, Bozeman, MT, May.

Antle, J.M. and S.M. Capalbo. (1996). “Integrated Assessment of IPM Impacts: An Overview.” Invited presentation at the Third National IPM Symposium/Workshop, Washington, DC, February 28.

Antle, J.M. and S.M. Capalbo. (1996). “Quantifying Agriculture-Environment Tradeoffs to Assess Environmental Impacts of Domestic and Trade Policies.” Presented at the conference *European Agriculture at the* *Crossroads: Competition and Sustainability*, University of Crete, Rethimno, Crete, May.

Antle, J.M. and S.M. Capalbo. (1994). “Pesticides, Productivity and Farmer Health: Implications for Regulatory Policy and Agricultural Research.” Invited paper, ASSA/AAEA meetings, Boston, January.

Antle, J.M., S.M. Capalbo, and C.C. Crissman. (1993). “Endogenous Timing of Decisions in Econometric Production Models.” Invited paper, WAEA meetings, August.

Antle, J.M. and S.M. Capalbo. (1991). “Integrating Economic and Physical Models for Analyzing Environmental Effects of Non-Point Source Pollution.” Invited presentation at the AERE Workshop on *Controlling Non-Point* *Source Pollution*, June 6 and 7.

Capalbo, S.M. (1990). “International Productivity Comparisons: Development and Usefulness.” Invited paper for the 1990 AAEA Meetings, Vancouver, BC.

Capalbo, S.M. and T. Phipps. (1990). “Designing in Environmental Quality: Possibilities in U.S. Agriculture.” Invited paper for AEI Conference on “Is Environmental Quality Good for Business?” Washington, DC, June.

Capalbo, S.M. (1990). “Use of Ground Water Models in Economic Policy Analysis.” Invited presentation to Resource and Policy Consortium, Washington, DC, May.

Capalbo, S.M. and J.M. Antle. (1998). “Towards Incorporating Social Costs in Returns to Agricultural Research.” Invited paper presented at 1988 Winter ASSA/AEA Meetings, December.

Capalbo, S.M. and K. Farrell. (1985). “Natural Resources and Environmental Dimensions of Agricultural Development: Coping with the Tradeoffs.” Invited paper presented at the Nineteenth International Conference of Agricultural Economics, Malaga, Spain, August.

Capalbo, S.M. (1985). “Comparing Structural Production Models for U.S. Agriculture.” Invited paper presented at Conference on Current Issues in Productivity, Graduate School of Management, Rutgers, State University of New Jersey, December.

**Selected Conference/Workshop Presentations while faculty member (not including administrative presentations):**

Capalbo, SM, (2010) Presentation at AAEA 2010 meetings, July 26-28 Track session on “Undergraduate degrees: Environmental and Resource economics programs in a Changing Academic Climate”

Capalbo, S.M. (2009) Measures of Departmental and Faculty Research Productivity, Performance evaluation, and Salary Raise Distribution Strategies. Panel discussion, led by Octavio Ramirez, University of Georgia, at the National Association of Agricultural Economics Administrators Conference, Washington, D.C., September 24.

Capalbo, S.M., C. Wu, D. Goldberg, J. Matter, and A. Slagle. (2009) Economic Dimensions of Geological CO2 Storage: Incorporating Uncertainty and Long Term Costs into Assessments of Sequestration Options. Presented at Agricultural & Applied Economists Association Annual Meeting, Milwaukee, WI, July 26-28.

Capalbo, S.M., C. Wu, D. Goldberg, J. Matter, and A. Slagle. (2008) “Economic Dimensions of Geological Co2 Storage: Key Factors In An Assessment Of Sub-Seafloor And Continental Sequestration Options.” Presented at 9th International Conference on Greenhouse Gas Control Technologies, Washington, D.C. November 16.

Capalbo, S.M. (2005). Phase I and Phase II Planning presentations at the Big Sky Carbon Sequestration Partner Planning meeting, Bozeman, MT, December 1-2.

Capalbo, S.M. (2005). “Storing Carbon Waste Underground.” Presented to the Idaho Energy Symposium, “Energy, Business, and the Public Sector: Opportunities and Challenges,” Idaho State University, Pocatello, ID, November 5.

Capalbo, S.M. (2005). “The Big Sky Carbon Sequestration Partnership.” Presented to Montana’s Energy Future Symposium, Bozeman, MT, October 19.

Capalbo, S.M. and L. Jones. (2005). “Montana’s Energy Development: Overview of Potential Impacts.” Presented to Montana’s Energy Future Symposium, Bozeman, MT, October 18.

Capalbo, S.M. (2005). “DOE Regional Carbon Sequestration Partnerships Phase I Program Overview and Phase II Kickoff.” Pittsburgh, PA, October 12-14.

Capalbo, S.M. (2005). “Big Sky Carbon Sequestration Partnership Regional Overview and Opportunities for Future Collaborators under Phase II.” Presentation at MIT, Boston, MA, October 9-10.

Capalbo, S.M. (2005). “Big Sky Carbon Sequestration Partnership Regional Program Overview.” Presented to the Powering the Plains Workshop, Minneapolis, MN, October 6.

Capalbo, S. (2005). “Bioethanol and Energy Opportunities.” Presented at the American Society of Agricultural Engineers Annual International Meeting, Tampa, FL, July 17-20.

Capalbo, S.M. (2005). “Big Sky Carbon Sequestration Regional Partnership and Implications for IGCC Power Technologies.” Presented to the Coal Power Project Development conference, Denver, CO, June 1-3.

Capalbo, S.M. and T. Krueger (2005). “Big Sky Carbon Sequestration Regional Partnership with Energy Northwest.” Presented to the NWPPA Annual Meeting, Palm Springs, CA, May 25-26.

Capalbo, S.M. (2005). “Big Sky Carbon Sequestration Regional Partnership.” Presentations to Energy Northwest and Portland General, Portland, OR, May 17-19.

Capalbo, S.M. (2005). “Big Sky Regional Carbon Sequestration Partnership.” Fourth Annual Conference on Carbon Capture and Sequestration, *Developing Potential Paths Forward Based on the Knowledge, Science and* *Experience to Date*, Alexandria, VA, May 2-5.

Shropshire, D. and S. Capalbo. (2005). “Policy Implications from Regional Energy Growth.” Presented at the Fourth Annual Conference on Carbon Capture and Sequestration*, Developing Potential Paths Forward Based on the* *Knowledge, Science and Experience to Date*, Alexandria, VA, May 2-5.

Capalbo, S.M. (2005). “Big Sky Carbon Sequestration Regional Partnership.” Presented to the University of Massachusetts review team, Hartford, CT, April 27-29.

Antle, J., S. Capalbo and K. Paustian. (2005) “Estimating the Economic Potential for Agricultural Soil Carbon Sequestration in the Central U.S. Using an Aggregate Econometric-Process Simulation Model.” Presented at the Third USDA Symposium on Greenhouse Gases and Carbon Sequestration in Agriculture and Forestry, Baltimore, MD, March 21-24.

Capalbo, S.M. (2004). “Economics of Carbon Sequestration.” Presented at the Consortium of Agricultural Soils Mitigation of Greenhouse Gases Conference, *Carbon Sequestration: Opportunities in the Eastern Corn Belt*, Indianapolis, IN, December 15-16.

Capalbo, S.M. (2004). “Big Sky Carbon Sequestration Regional Partnership: Update.” Presented at the Regional Carbon Sequestration Partnerships Annual Program Review Meeting, Pittsburgh, PA, November 16-17.

Capalbo, S.M. (2004). “Big Sky Carbon Sequestration Regional Partnership: Terrestrial Sequestration.” Presented at the Regional Carbon Sequestration Partnerships Annual Program Review Meeting, Pittsburgh, PA, November 16-17.

Capalbo, S., T. McLing, and R. Smith. (2004). “Carbon Sequestration: The Big Sky Regional Partnership.” Presented at the Western Fuels Symposium, Billings, MT, October 13-14.

Capalbo, S., S. Mooney, and K. Paustian. (2004). “Sensitivity of Carbon Sequestration Costs to Economic and Biological Uncertainties.” Presented at the INRA and INEEL Symposium, *Environmental and Subsurface* *Science Applied to Energy, Nuclear, and National Security Research*, Spokane, WA, September 21.

Capalbo, S.M. (2004). “Overview of Big Sky Partnership and Terrestrial Sequestration.” ASME Carbon Sequestration Symposium, Idaho National Engineering and Environmental Laboratory (INEEL), Idaho Falls, ID, August 26.

Capalbo, S.M. (2004). “Overview of Big Sky Partnership and Terrestrial Sequestration.” Presentation at the Pioneer Hi-Bred International, Inc. meeting, Des Moines, IA, August 18-19.

Capalbo, S.M. (2004). “Big Sky Regional Carbon Sequestration Partnership: Overview.” Presented at the Western Governors’ Association 2004 Annual Meeting, Santa Fe, NM, June 20.

Capalbo, S.M. (2004). “Big Sky Regional Carbon Sequestration Partnership: Sources and Sinks.” Presented at the Western Governors’ Association 2004 Annual Meeting, Santa Fe, NM, June 20.

Antle, J.M., S. Capalbo, and K. Paustian. (2004). “Estimating Economic Potential for Ag Soil Carbon Sequestration Using the Opportunity Cost Approach: Results for the Central United States.” Presented at the Third Annual Conference on Carbon Capture and Sequestration, Alexandria, VA, May 4.

Mooney, S., J.M. Antle, S.M. Capalbo, and K. Paustian. (2004). “What are the Economic Costs of Measuring and Monitoring Soil Carbon?” Presented at the Third Annual Conference on Carbon Capture and Sequestration, Alexandria, VA, May 3-6.

Capalbo, S.M. and J.M. Antle. (2004). “MSU Project Plan and Approach.” Presented at the Big Sky Carbon Sequestration Regional Partnership Meeting, Los Alamos National Laboratory, Los Alamos, NM, March 1-3.

Antle, J.M. and S.M. Capalbo. (2004). “Integrating Economic and Biophysical Models for Assessing Carbon Sequestration Potentials through Land Use Changes.” Presented at the Big Sky Carbon Sequestration Regional Partnership Meeting, Los Alamos National Laboratory, Los Alamos, NM, March 1-3.

Antle, J.M. and S.M. Capalbo. (2004). “Economic Potential for Soil C Sequestration in the Central U.S.: The Opportunity Cost Approach.” Presented at the *Agriculture and Energy Industry Partnerships for Soil Carbon* *Sequestration to Offset Greenhouse Gases* conference at Texas A&M University, College Station, TX, January 21.

Capalbo, S.M. and D.E. Shropshire. (2004). “Montana Regional Carbon Sequestration Partnership.” Presented at the 7th Electric Utilities Environmental Conference, *Air Quality, Global Climate Change and Renewable Energy*, Tucson, AZ, January 19-22.

Capalbo, S.M. (2003).”The Northern Rockies and Great Plains Regional Carbon Sequestration Partnership.” Presented at the Department of Energy Regional Carbon Sequestration Partnership Kickoff Meeting, Pittsburgh, PA, November 3-4.

Antle, J.M. and S.M. Capalbo. (2003). “Synergies, Surprises and Schwarzenegger: Designing Policy-Relevant Science.” Presented at the Center for Natural Resources Policy Analysis, University of California, Davis, October 23.

Mooney, S., J.M. Antle, S.M. Capalbo, and K.H. Paustian. (2003). “Uncertainty in Econometric-Process Models: The Case of Soil Carbon Sequestration.” Paper presented at the American Agricultural Economics Association Annual Meetings, Montreal, Quebec, July 27-30.

Capalbo, S.M. (2003). “Consortium for Agricultural Soils Mitigation of Greenhouse Gases (CASMGS).” Informal presentation and poster for the Governor of Montana and State Legislators, Helena, MT, February 6.

Capalbo, S., J.A. Antle, S. Mooney, and K. Paustian. (2003). “Sensitivity of Carbon Sequestration Costs to Scale and to Economic and Biological Uncertainties.” Presented at the Allied Social Science Association (ASSA) Annual Meetings, Washington, DC, January 5.

Antle, J.M., R. Bricklemyer, S.M. Capalbo, R. Engel, and P. Miller. (2002). “Montana State University Research on Soil Carbon Sequestration.” Presented at the Power Generation/Industry Workshop, Governor’s Carbon Sequestration Working Group, Helena, MT, December 12.

Mooney, S., J.M. Antle, S.M. Capalbo, and K.H. Paustian. (2002). “Costs of Measuring Soil Carbon.” Presented at the USDA Carbon Symposium on Natural Resource Management to Offset Greenhouse Gas Emissions, Raleigh, NC, November 20.

Capalbo, S.M., J.M. Antle, S. Mooney, and K.H. Paustian. (2002). “Spatial Heterogeneity and Scale: Implications for Carbon Sequestration Policies for Agriculture.” Presented at the USDA Carbon Symposium on Natural Resource Management to Offset Greenhouse Gas Emissions, Raleigh, NC, November 19.Antle, J.M., S.

Mooney, S.M. Capalbo, K.H. Paustian. (2002). “Design and Cost of a Measuring and Monitoring Scheme for Soil Carbon Credits.” Presented at the Soil Science Society of America annual meetings, Indianapolis, IN, November 11.

Paustian, K., J. Antle, S. Capalbo, and S. Mooney. (2002). “Science, Policy and Economics of Agricultural Sequestration.” Presented at the Environmental Defense Annual Science Day, Menlo Park, CA, September 19.

Antle, J.M., S.M. Capalbo, S. Mooney, E.T. Elliott, and K.H. Paustian. (2002). “Montana State University Program on Climate Change and Greenhouse Gas Mitigation.” Presented to the Governor’s Carbon Sequestration Working Group, NCRS Office, Missoula, MT, October 21.

Mooney, S., J.M. Antle, S.M. Capalbo, and K.H. Paustian. (2002). “Soil Carbon Measurement Costs and Protocols Using a Linked Economic and Biophysical Model.” Presented at the Forestry and Agriculture Greenhouse Gas Modeling Forum, Shepherdstown, WV, October 9.

Mooney, S., J.M. Antle, S.M. Capalbo, and K.H. Paustian. (2002). “A Measurement Protocol for Soil C: Influence on Efficient Contract Design.” Selected paper presented at the AAEA Annual Meetings, Long Beach, CA, July 30.

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.” Poster presented at the AAEA Annual Meetings, Long Beach, CA, July 28-31.

Antle, J.A., S. Capalbo, S. Mooney, E. Elliott, and K. Paustian. (2002). “Spatial Heterogeneity, Contract Design, and the Efficiency of Carbon Sequestration Policies for Agriculture.” Paper presented at the 2rd World Congress of Environmental and Resource Economists, Monterey, CA, June 25.

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.

Antle, J.M. and S.M. Capalbo. (2001). “Agriculture as a Managed Ecosystem: Policy Implications.” Invited paper presented at the meetings of the Western Agricultural Economics Association, Logan, Utah, July 10.

Antle, J., S. Capalbo, S. Mooney, E. Elliott, and K. Paustian. (2001). “Spatial Heterogeneity and the Design of Efficient Policies for Soil Carbon Sequestration.” Invited presentation at a seminar at North Dakota State University, July 26.

Antle, J., S. Capalbo, S. Mooney, E. Elliott, and K. Paustian. (2001). “Could Agriculture Compete in a Market for Carbon?” Paper presented at a meeting on Carbon Sequestration held by the Montana Carbon Offset Coalition, Bozeman, February 7.

Antle, J., S. Capalbo, S. Mooney, E. Elliott, and K. Paustian. (2001). “Could Agriculture Compete in a Market for Carbon? Results from a Study of Montana Dryland Grain Production.” Paper presented at the 4th Annual National Wheat Industry Research Forum sponsored by the National Association of Wheat Growers, New Orleans, February 2.

Antle, J.M., S.M. Capalbo, and S. Mooney. (2000). “Econometric Analysis of Soil Carbon Sequestration.” Selected paper presented at AAEA Annual Meetings, Tampa, FL, August.

Capalbo, S.M. (2000). “Policy Design Issues for Carbon Sequestration in Forestry and Agriculture.” Organized this symposium at the AAEA Annual Meetings, Tampa, FL, August.

Capalbo, S.M. (2000). “Policy Design for Carbon Sequestration in Dryland Agriculture in the Great Plains.” Presented at the *Policy Design Issues for Carbon Sequestration in Forestry and Agriculture* symposium at the AAEA Annual Meetings, Tampa, FL, August.

Antle, J.M., S.M. Capalbo, and S. Mooney. (2000). “Policy Design and Carbon Sequestration Costs.” Paper presented at the *Advances in Terrestrial Ecosystem Carbon Inventory, Monitoring and Sequestration* USFS Conference, Raleigh, NC, October 3-5.

Antle, J.M., S.M. Capalbo, and J.A. Hewitt. (2000). “Testing Hypotheses in Integrated Impact Assessments: Climate Variability and Economic Adaptation in Great Plains Agriculture.” Annual report presented at the annual meeting of the National Institute for Global Environment Change (NIGEC), Lincoln, NE, April 2-3.

Antle, J.M., S.M. Capalbo, and S. Mooney. (2000). “Economics of Agricultural Soil C Sequestration in the Northern Plains.” Presented at a departmental seminar at the University of Arkansas, June 15.

Antle, J.M. and S.M. Capalbo. (2000). “Economics of Soil Carbon Sequestration.” Presented at a departmental seminar at Washington State University, March 8.

Antle, J.M. and S.M. Capalbo. (2000). “Climate Change and Carbon Sequestration: An Integrated Assessment Analysis.” Presented at a departmental seminar at the University of Rhode Island, October 13.

Antle, J.M. and S.M. Capalbo. (2000). “Econometric-Process Models and Integrated Assessment Analysis.” Presented at a departmental seminar at Oregon State University, October 20.

Capalbo, S.M. (1997). “Evaluating Economic and Environmental Tradeoffs in Agricultural Production Systems.” Presentation at the *Forward Planning Concepts: Application and Interpretation*, Western Regional Meetings for County Extension Agents, Big Sky, MT, October 6-9.

Capalbo, S.M., W. Koo, J. Antle, and J. Johnson. (1997). “Implications of Changes in International Market Conditions and Domestic Policies for Wheat Producers and Agricultural Sustainability in the Northern Plains.” Presented at the workshop on *The Economics of World Wheat Markets: Implications for North America*, sponsored by the Trade Research Center at Montana State University-Bozeman, May 29-June 1.

Capalbo, S.M. (1996). “Modeling the Economic Impacts of Climate Change in the Great Plains Region.” Presentation to the National Institute for Global Climate Change Annual Workshop, Nebraska City, NE, October 9-10.

Johnson, J., J. Antle, and S.M. Capalbo. (1995).”Results of Sustainable Agriculture Pilot Project in Montana.” Symposium presentation at the AAEA meetings, Indianapolis, IN, August.

Antle, J. and S. Capalbo. (1995). “Incorporating Economic Environmental and Health Evaluations into IPM Research.” Presentation at USDA/IPM Workshop, Big Sky, MT, July.

Antle, J. and S. Capalbo. (1995). “Role of Economics in Ecosystem Management: Agricultural Landscapes.” Presentation at the MRC Conference, *Ecosystem Management in the Northern Rockies: Integrating Forest,* *Agriculture, and Wilderness Landscapes,* Montana State University, June 22-24.

Capalbo, S.M., J.M. Antle, and J. Johnson. (1994).”Sustainable Agriculture in Northern Plains and Foothill Mountain Environments.” Symposium presentation at the AAEA meetings, San Diego, CA, August.

Antle, J.M., S.M. Capalbo, and C.C. Crissman. (1992). “Integrated Economic, Environmental, and Health Analysis of Policy Options for the Carchi Project.” Paper presented for the conference, *Measuring the Health and* *Environmental Effects of Pesticides,* Bellagio, Italy, April.

Capalbo, S.M., J. Friesen, and M. Denny. (1990). “Dynamic Factor Demands in U.S. and Canadian Agriculture.” Selected paper for 1990 AAEA meetings, Vancouver, BC, August.

Capalbo, S.M. (1990). “The Measurement and Valuation of Agricultural Chemical Use: An Economist's Perspective.” Paper presented at American Association for Advancement of Science (AAAS) meeting, New Orleans, LA, February.

Capalbo, S.M. (1987). “The Effects of Technical Change on the Use and Value of Natural Resources.” Paper presented at Resources for the Future/USDA Workshop, *Linkages Between Natural Resources and* *International Trade,* Washington, DC, March.

Capalbo, S.M. (1986). “Measuring the Components of Agricultural Productivity.” Selected paper presented at Annual Meetings of the American Agricultural Economics Association, Reno, NV.

Capalbo, S.M. and M. Denny. (1985). “Testing Productivity Models.” Paper presented at Annual Meetings of ASSA/AEA, Dallas, TX, December 1984; revised version presented at Annual Meetings of CEA, Montreal, Quebec, Canada.

Capalbo, S.M. (1984). “Transboundary Renewable Resources and Imperfect Competition: The Implications for Fishery Management Policy.” Paper presented at the Sixth Annual Conference of the Society for Economic Dynamics and Control, Nice, France, June.

Capalbo, S.M. and R. Howitt. (1984). “Bioeconomic Supply and Imperfect Competition: A Policy Model for an Internationally Utilized Resource.” Paper presented at Second Conference of the International Institute of Fisheries Economics and Trade, Christ Church, New Zealand, August.