

DEREK KAUNECKIS

Department of Political Science

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Professional Experience

2005 - Present, *Assistant Professor*, Department of Political Science, University of Nevada, Reno.

2004-1999, *Instructor*, Department of Political Science / School of Public and Environmental Affairs, Indiana University, Bloomington.

Education

2005, Ph.D., Public Policy, Indiana University, Bloomington. *Minor*: Global Environmental Change.

Dissertation: "The Co-production of Property Rights Institutions: Theory and Evidence from a Mixed-rights System in Southern Mexico", Advisor: Elinor Ostrom.

1999, ICPSR Summer Program in Quantitative Methods, University of Michigan, Ann Arbor.

1997, M.S., International Agricultural Development, University of California, Davis.

Specialization: Environmental and Natural Resource Policy

1991, B.A., Anthropology, University of California, Davis (Graduated with Honors).

Research Interests

Policy Analysis and Evaluation, Research Methods, Institutional Analysis and Development, Property Rights Theory, Governance Institutions, Environmental Policy, Science and Technology Policy

Grants and Fellowships

2007, National Science Foundation, "The Emergence of State-sponsored R&D: Research Policy and Knowledge Production in a Federal System", Co-PI with Prof. Scott Hauger, Desert Research Institute (DRI), (\$102,000).

2007, Academy for the Environment, "Support for Development of Graduate Course on Interdisciplinary Modeling", Co-PI with Prof. Laurel Saito, Hydrological Sciences, (\$1,429).

2007, National Science Foundation, EPSCoR Undergraduate Research Program, "Investigating a New State-level trend in Science and Technology Policies", Undergraduate research support for Patricia Piedad Segura, Dual Degree, Political Science/Chemistry (\$4,310).

2007, Honors Undergraduate Research Award (HURA), "The Political-Economy of Inter-basin Water Transfers", Undergraduate research support for Janine Stone, Political Science/Economics (\$1,800).

2006, Academy for the Environment, "Political Science, Law, Economics and Ecology in Environmental Policy: A Joint Seminar Series", Co-PI with Prof. Kim Rollins, Resource Economics, (\$5,000).

2006, General Undergraduate Research Award (GURA), "Undergraduate Research Proposal: What Factors Influence Private Landowner Participation in Public Programs in the Lake Tahoe Basin?", Undergraduate research support for Bartlett Ryan, Political Science, (\$1,000).

2005, Academy for the Environment/Scholarly and Creative Research Activities Grant, "Political Attitudes and Policy Instruments in the Tahoe Watershed", (Multiple awards: total \$15,000).

Grants and Fellowships (continued)

2003, Teaching Improvement Grant, Indian University, Bloomington, "Evaluating the Use of In-Class Simulations for Teaching International Politics", Co-PI with Prof. Matt Auer, School of Public and Environmental Affairs, (\$5,000).

2002, Fulbright-Robles Mexico Program (\$7,000).

2000, Foreign Language Area Studies (FLAS), Spanish (\$6,000).

1999, ICPRS Summer Program on Quantitative Analysis, Tuition Fellowship.

1991, President's Undergraduate Research Fellowship, University of California, Davis.

Publications

Journals:

2008, In-press, "*Bonds (local government)*" and "*Property Rights*", Entry for The Encyclopedia of American Government and Civics, Eds. L. Han and M. Genovese, Facts-on-File.

2007, "Collaborative Watershed Governance in Lake Tahoe: An Institutional Analysis" with M. Imperial, *International Journal of Organizational Theory and Behavior*, 10 (4).

2003, "Moving from conflict to collaboration: Watershed governance in Lake Tahoe," with M. Imperial. *Natural Resources Journal*, 43 (4): 1009-1055.

1999, "Tahoe Regional Planning Agency: The evolution of collaboration," with L. Koziol & M. Imperial, Washington, DC: National Academy of Public Administration.

Under Review:

"Targeting Land-use Policy: A multinomial model of the factors influencing land-use decisions in a rural/urban fringe landscape." with T. Koontz, Under revision for: *Journal of Environmental Planning and Management*.

"Making Decentralization Work: A Cross-national examination of local government and natural resource management in Latin America." with K. Andersson, Under revision for: *Studies in Comparative International Development*.

"Participation in Voluntary Forest Conservation Programs: An Empirical Evaluation of Private Landowners' Decisions", with A. York, Under revision for: *Environmental Management*.

"Measuring the implementation and impact of *New Urbanism* design principles in land use planning", with S. Reid, Under review: *International Planning Studies*.

"Evaluating Transferable Development Right Systems: Lessons from Lake Tahoe's TDR system", with S. Reid, Under review: *Journal of Environmental Policy and Planning*.

"Seeing the Forest from the Trees: How do Landowner Preferences affect Forest Cover Change?" Under review: *Journal of Environmental Psychology*.

"Negotiating Institutional Design: a classroom simulation of the evolution of a global climate regime", with M. Auer, Under review: *International Studies Perspectives*

Work In Progress:

The Political Economy of Properties: Institutional Complexity and Property Right Institutions, Book manuscript in preparation.

Work In Progress (continued):

“The impact of expectations and performance on student assessment of the utility of in-class simulations” with M. Auer, For submission to: *PS: Political Science and Politics*.

“A Typology for Understanding Property Right Diversity in Environmental Resources”, For submission to: *World Development*.

“Re-thinking enforcement mechanisms in property rights to natural resources”, For submission to: *Journal of Theoretical Politics*.

“Parks and Presidents: The Politics of Public Lands Management in Mexico”, For submission to: *Development and Change*.

“The Political Economy of Negotiated Natural Resource Rights: Lessons from the Calakmul Biosphere Reserve, Mexico”, For submission to: *Journal of Environment and Development*.

Reports and Bulletins:

1998, “A strategy for the integrated study of private land use in Monroe County, Indiana”, with T. Koontz & L. Carlson, CIPEC Internal Methodology Paper.

Conference Presentations

2008, Upcoming, “The New Landscape of Research and Development – Measuring State Activity”, To be submitted for presentation at the Association for Public Policy Analysis and Management, Los Angeles, CA.

2008, Upcoming, “The Changing Role of the American States in Science and Technology Policy“, w/ Scott Hauger, To be presented at American Political Science Association, Boston, MA.

2008, Upcoming, “Examining the Relationship between Property Rights and Governance Institutions: A Cross National Analysis of Property Right Security”, To be presented at International Studies Association, San Francisco, CA.

2008, Upcoming, "Landowner Perceptions and Policy Compliance", To be presented at the Midwestern Political Science Association, Chicago, IL.

2007, “Measuring the Costs of Market-based Environmental Policy Instruments: Lessons from Transferable Development Right (TDR) systems”, Economics Department Seminar Series, University of Nevada, Reno.

2007, "A Framework for Evaluating Transferable Development Rights (TDR) Systems", with S. Reid, Western Political Science Association, Las Vegas, NV.

2007, "The Effect of Landowner Attitudes on Policy Adoption: Participation in Voluntary and Market-based Programs in the Lake Tahoe Basin", Western Political Science Association, Las Vegas, NV.

2006, "Re-thinking Enforcement Mechanisms in Property Rights to Natural Resources", Conference on the Human Dimensions of Global Environmental Change, Freie Universitat & Humbolt Universitat, Berlin, Germany.

2006, "Learning from Lake Tahoe's Transferable Development Right System: Recommendations for New Evaluative Criteria", with S. Reid, Science as a Tool in Lake Tahoe Basin Management, 3rd Biennial conference on Tahoe Environmental Concerns, Academic, Poster Presented at the Tahoe Center for Environmental Sciences, Incline Village, NV.

2006, "A Typology for Understanding Property Right Diversity in Environmental Resources", International Symposium on Society & Resource Management (ISSRM), Vancouver, B.C.

Conference Presentations (continued)

2006, "Making Decentralization Work: A Cross-national Examination of Local Government and Natural Resource Management in Latin America", Western Political Science Association, Albuquerque, NM.

2005, "An institutional analysis of collaborative watershed management: the Lake Tahoe case." with Mark Imperial, Institutional Analysis for Environmental Decision-making Workshop, Fort Collins, CO.

2004, "Co-producing Property Rights: An Empirical Investigation into Property Rights Arrangements in Southern Mexico." American Political Science Association Annual Meeting, Chicago, IL.

2004, "The Politics of Property Rights: Theory and Evidence from the Calakmul Biosphere Reserve, Campeche, Mexico." Western Political Science Association Annual Meeting, Portland, OR.

2003, "Public Goods on Private Lands: The Relevance of Property Rights Institutions to Policy Design." Yale International Society of Tropical Foresters (ISTF), Ecosystem Services in the Tropics: Challenges to marketing Forest Function, New Haven, CT.

2001, "A Discrete Choice Model of Membership in Voluntary Land Use Programs: An Examination of Resource Portfolio Management and Forest Policy" Institutions and Land Use Panel, Science and Policy: A Multidisciplinary Symposium, Indiana University, Bloomington, IN.

2000, "Preferences on the Landscape: How much do Individual Values Matter in Land use Decisions", International Society for the Study of Common Property, Bloomington, IN.

1999, "Linking Household Surveys to Satellite Image Analysis of Deforestation and Land Use." with S. McCracken, E. Moran, and E. Ostrom. Poster presented by Elinor Ostrom at the Open Meeting of the Human Dimensions of Global Environmental Change Research Community, Japan.

1998, "The Political Economy of Environmental Nongovernmental Organizations", International Society for the Study of Common Property, Vancouver, B.C.

Consulting and Research

2007, "Developing a Comprehensive Monitoring Framework (CMF) for the Lake Tahoe Basin", Huffman and Carpenter Environmental Engineering, Reno, NV.

2007, "Estimating the Value of Nevada Water Right", Halcyon Structured Asset Management, New York, NY.

Teaching

University of Nevada, Reno

Graduate

Methods for Political Science	<i>Planned, Spr. '08</i>
Interdisciplinary Modeling: Water-related Issues	<i>Planned, Sum. '08</i>
Seminar in Public Policy	<i>Spr. '07</i>

Advanced Undergraduate / Graduate

Political Economy	<i>Planned, Fall '08</i>
Environmental Policy	<i>Sum. '08</i>
Problems in American Public Policy: <i>Institutional Analysis and Public Problem Solving</i>	<i>Fall '07</i>
Public Financial Administration	<i>Spr. '06</i>
Global Environmental Policy	<i>Fall '07, Fall '06</i>
Land and Water Resource Policy	<i>Fall '06</i>
Problems in American Public Policy: <i>Environmental Governance and Institutions</i>	<i>Fall '05</i>

Teaching (continued)

Lower Division Undergraduate

American Public Policy

Spr. '07, Spr. '06, Fall '05

Independent Studies

GIS for Public Policy

Spr. '07, Fall '06

The Role of Local Governments in Science and Technology Policy

Fall '07

University of Nevada, Reno

Guest Lectures

Law and Economics: *The Coase Theorem and the Politics of Property Rights*

Fall '07

Environmental Studies: *Collective Action Problems and Water Resources*

Fall '07

Environmental Studies Colloquium: *The Structure and Purpose of an ES Program*

Fall '05

Indiana University, Bloomington

Graduate

International Environmental Policy

Fall '02

Undergraduate

Comparative & International Environmental Policy

Spr. '05, Spr. '04, Spr. '03

Environment and People

Spr. '05

Public Finance and Government Budgeting

Fall '04

Financial Management

Sum. '04

Managing Information Technology

Fall '03, Spr. '01, Sum. '01

Formation of Public Policy in the United States

Fall '99

University of California, Davis

Teaching Assistant

Introduction to International Development

Fall '97

Environmental Policy Analysis

Spr. '97

Community Development

Spr. '96

Human Ecology

Fall '96

Advising

Masters Supervision

2007, Sienna Reid, "Estimating the Impact on Agencies and Users of Transferable Development Rights Programs: An Empirical Study of the Lake Tahoe System", M.A. Political Science.

Graduate Committee Member

2007 - *current*, Anita Castledine, "The Effect of Monitoring on Consumer Water Use", Ph.D., Resource Economics.

2006 - *current*, Michael Jacobs, "Regional Economies and WTO Dispute Resolution, Ph.D., Political Science.

2006, Abbey Smith, "Tahoe Notebook and Public Involvement", M.A. Journalism.

2006, Moses Achoka, "Tahoe Notebook and Changing Journalistic Practices", M.A. Journalism.

Undergraduate Honors Thesis Supervision

2007 - *current*, Janine Stone, "The Institutional Framework for Successful Inter-basin Water Transfers", Political Science/Economics.

Awards and Distinctions

2007, Finalist for Alan Bible Teaching Award, University of Nevada, Reno.

2005, Teaching Excellence Award, School of Public & Environmental Affairs, Indiana University, Bloomington.

1991, Graduated with Presidential Honors, University of California, Davis.

Service Activities

Professional

2008, *upcoming*, Panel Chair & Discussant, "Intellectual Property Rights and Governance", International Studies Association, San Francisco.

2007, Panel Chair & Discussant, "Markets and Environmental Protection: Tensions and Synergies", Western Political Science Association, Las Vegas.

2007, Panel Discussant, "Environmental Policy", Western Political Science Association, Las Vegas.

2006, Panel Organizer & Chair, "New Approaches to Property Rights in Natural Resource Management", International Symposium on Society & Resource Management (ISSRM), Vancouver, B.C.

2006, Guest Speaker, Phi Theta Kappa Chapter of Truckee Meadows Community College (TMCC).

Review and Editorial Activities

University of Arizona Press

Land Use Policy

Policy Sciences

Environmental Management

National Institutes for Water Resource (NIWR)

United States Geological Survey (USGS)

Campus Service

2007, Co-Chair, International Activities Committee, University of Nevada, Reno (UNR).

2006-current, Member of Network of Faculty for Undergraduate Research (NFUR), UNR.

2006-current, Member, Science Advisory Group for the Center for Watershed Environmental Sustainability (CWES) at the Desert Research Institute (DRI), UNR.

2007-2006, UNR Political Science Department Website Development Group.

2007, Proposal Reviewer, Academy for the Environment, UNR.

2006-2005, Member of the Steering Committee for the new Dual Bachelor's Degree (BS/BA) program in Environmental Studies, UNR.

2006, Organized Guest Lecture on UNR campus by Prof. Ted Gurr, Professor Emeritus in the Department of Government and Politics, University of Maryland.

2006, Organized Guest Lecture on UNR campus by Dr. Alex Schmid, Senior Crime Prevention and Criminal Justice Officer, UN Terrorism Prevention Branch.

2006, Co-organizing campus lecture series 'Water in the West', UNR.

2006, Organized Guest Lecture on UNR campus by Prof. Dan McCool, Director of the American West Center & Environmental Studies Program at University of Utah.

Service (continued)

2006, Organized the UNR Political Science Departmental Brown Bag Series.

2006-2005, Political Science Department Graduate Program Review Committee, UNR.

2003, Workshop for Young Policy-Makers and Political Scientists on Lake Baikal, American Council for International Education, US Dept. of State, and Tahoe-Baikal Institute, Lake Baikal, Russia.

2000, School of Public and Environmental Affairs (SPEA) Graduate Student Association, Individualized Course Design Competition Facilitator, Indiana University at Bloomington.

Professional Membership

American Political Science Association
Association for Public Policy Analysis and Management
International Association for the Study of Common Property
International Society for New Institutional Economics
International Studies Association
International Association for Society and Natural Resources
Nevada Water Resources Association
Society for Conservation Biology

Research Skills

Foreign Languages: Spanish and French (proficient).

Software: Statistics packages: STATA, SPSS, Datadesk, Spacestat, SigmaPlot, Gauss; GIS/Remote Sensing: ArcGIS, Erdas IMAGINE; Modeling: Stella

Methods: Data analysis (linear regression, maximum likelihood estimation, limited dependent variables, time series, spatial autocorrelation), GIS and spatial analysis (data extraction, modeling, mapping), Survey design and implementation, systems modeling.

References

Elinor Ostrom, Arthur F. Bentley Professor
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& School of Public and Environmental Affairs
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(*Dissertation Committee Member*)
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421 SPEA Building
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Tel: (812) 855-4944
Email: mauer@indiana.edu

Robert Ostergard, Assistant Professor
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1664 North Virginia St.
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Scott Hauger, Research Professor
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