

## JONATHAN T. ISHAM, JR.

Department of Economics and  
Program in Environmental Studies  
Munroe Hall, Middlebury College  
Middlebury, VT 05753  
(802) 443-3238

[jisham@middlebury.edu](mailto:jisham@middlebury.edu)

<http://community.middlebury.edu/~jisham>

### EDUCATION

Ph.D., Economics, 2000. University of Maryland at College Park.

- Dissertation: "A Model of Technology Adoption with Social Capital."
- Specialized in environmental economics and development economics.

M.A., International Studies, 1990. Johns Hopkins University – SAIS.

- Concentrated in social change and development and international economics.
- William H. Foster Award for academic excellence and leadership.
- Olmsted Fellowship for academic record and leadership.

A.B. *cum laude*, General Studies, 1984. Harvard College.

- Concentrated in social anthropology.
- Harvard College Scholarship, Harvard National Scholar.

### PUBLICATIONS

#### JOURNAL ARTICLES

"The Greening of Social Capital: An Examination of Land-Based Groups in Two Vermont Counties." With Christopher McGrory Klyza and Andrew Savage (Middlebury '03.5). *Middlebury College Discussion Paper Series* (2003-06). Forthcoming in *Rural Sociology*.

"Killington Mountain Resort: A Case Study of 'Green' Expansion in Vermont." 2003. With Jeff Polubinski. *The Vermont Law Review* 26 (3): 565 - 92.

"Institutional Determinants of the Impact of Community-Based Water Projects: Evidence from Sri Lanka and India." 2002. With Satu Kähkönen. *Economic Development and Cultural Change* 50 (3): 667-92.

"The Effect of Social Capital on Fertilizer Adoption: Evidence from Rural Tanzania." 2002. *Journal of African Economies* 11 (1): 39-60.

"The Forgotten Rationale for Policy Reform: The Productivity of Investment Projects." 1999. With Daniel Kaufmann. *Quarterly Journal of Economics* 114 (1): 149-184.

“Civil Liberties, Democracy, and the Performance of Government Projects.” 1997. With Daniel Kaufmann and Lant H. Pritchett. *World Bank Economic Review* 11 (2): 219-42.

“Does Participation Improve Performance? Establishing Causality with Subjective Data.” 1995. With Deepa Narayan and Lant H. Pritchett. *World Bank Economic Review* 9 (2): 175-200.

#### BOOKS AND CHAPTERS IN EDITED VOLUMES

*Social Capital and Economic Development: Well-being in Developing Countries*. 2002. Editor with Sunder Ramaswamy and Thomas Kelly. Edward Elgar Publications.

“Can an Ecosystem be Adequately Projected When the Law Protects Its Parts? The Case of Act 250 and Killington Mountain.” With Bob Greunig, Julia Huff and Jeff Polubinski (Middlebury '02). Forthcoming in *Mountain Resorts and the Ecology*. Eric Miller and Janet Milne, Eds. Ashgate Press.

“The Importance of ‘Exit and Voice’ in the Provision of Clean Water: Evidence from India, Sri Lanka and Indonesia.” 2003. With Satu Kähkönen. *Democracy and Development*, pp. 98 – 120. Sunder Ramaswamy and Jeffery Cason, Eds. University Press of New England.

“Social Capital and Well-being in Developing Countries: An Introduction.” With Sunder Ramaswamy and Thomas Kelly. 2002. *Social Capital and Economic Development: Well-being in Developing Countries*, pp. 3-17. Edward Elgar Publications.

“Can Investments in Social Capital Improve Local Development and Environmental Outcomes? A Cost-Benefit Framework to Assess the Policy Options.” 2002. *Social Capital and Economic Development: Well-being in Developing Countries*, pp. 159-75. Edward Elgar Publications.

“How Do Participation and Social Capital Affect Community-Based Water Projects? Evidence from Central Java, Indonesia.” 2002. With Satu Kähkönen. *The Role of Social Capital in Development: An Empirical Assessment*, pp. 155 – 87. Christiaan Grootaert and Thierry Van Bastelaer, Eds. Cambridge University Press.

“The Social Foundations of Poor Economic Growth in Resource-Rich Countries.” 2001. With Michael Woolcock and Lant H. Pritchett. *Resource Abundance and Economic Growth*, pp. 76-92. Richard Auty, Ed. Oxford University Press.

“How Policies and Institutions Affect Project Performance: Microeconomic Evidence on Aid, Policies, and Investment Productivity.” 2000. With Daniel Kaufmann. *The World Bank: Structure and Policies*, pp. 228-65. Christopher L. Gilbert and David Vines, Eds. Cambridge University Press.

#### OTHER ARTICLES AND REPORTS

Book review of *Introduction to Environmental Economics*. Nick Hanley, Jason F. Shogren and Ben White. 2002. Oxford University Press. *Environmental and Resource Economics* 23: 480 – 82.

“Can Investments in Social Capital Improve Well-Being in Fishing Communities? A Theoretical Perspective for Assessing the Policy Options.” *Proceedings of the 10<sup>th</sup> Biennial Meeting of the International Institute of Fisheries Economics and Trade*.

“Choosing Better Technology: Does Social Capital Help?” *Insights* 34: September 2000. The Institute of Development Studies, University of Sussex.

Book review of *Local Commons and Global Independence: Heterogeneity and Cooperation in Two Domains*. 1996. Robert Keohane and Elinor Ostrom, Eds. Sage Publications. *Social Science Quarterly* 77 (4): 942-43.

#### **ARTICLES UNDER REVIEW AND WORKING PAPERS**

“Social Capital and Consumption among Agricultural Households.” *Middlebury College Discussion Paper Series* (2002-02). Under revision for *Rationality and Society*.

“The Effect of Volunteering for Non-Profit Organizations on Social Capital Formation: Evidence from a Statewide Survey.” 2002. With Jane Kolodinsky and Garret Kimberly. *Middlebury College Discussion Paper Series* (2003-05). Under revision for *Nonprofit and Volunteer Sector Quarterly*.

“The Varieties of the Resource Experience: How Natural Resource Endowments and Social Institutions Affect Economic Growth.” 2002. With Michael Woolcock, Lant Pritchett and Gwen Busby (Middlebury '00). *Middlebury College Discussion Paper Series* (2003-08). Under revision for *World Bank Economic Review*.

“Overcoming Information Asymmetries in Low-Income Lending: Lessons from the ‘Working Wheels’ Program.” With Jessica Holmes and Jessica Wasilewski (Middlebury '02). *Middlebury College Discussion Paper Series* (2002-40). Under submission at *Journal of Policy Administration and Management*.

“How Do Local Environmental Groups Create Social Capital and Affect Environmental Policy?: Empirical and Case Study Evidence from Vermont.” With Christopher McGrory Klyza and Andrew Savage (Middlebury '03.5). Mimeo, Middlebury College. Under submission at *Society and Natural Resources*

“Should We Bet on Private or Public Water Utilities In Cambodia? Evidence on Incentives and Performance from Seven Provincial Towns?” 2000. With Mike Garn and Satu Kähkönen. *Middlebury College Discussion Paper Series* (2002-19). Paper submitted to the Water and Sanitation Division of the World Bank.

“The Effect of Social Capital on Environmental Regulation: Evidence from State-Level Data.” With Chris McGrory-Klyza and Susan Ludwick (Middlebury '02). Mimeo, Middlebury College.

#### **CURRENT RESEARCH PROJECTS**

“The Determinants of Lending to Lower- and Higher-Income Clients: Evidence from Traditional

and Non-Traditional Rural Banks.” With Jessica Holmes, Paul Sommers and Ryan Peterson (Middlebury ’03).

“Where are the Joiners in Rural America?: Evidence from Addison County, Vermont.” With Bill Hegman, Pete Nelson, and Joseph Kyalo (Middlebury ’03).

“Who are the Joiners in Rural America?: Evidence from Addison County, Vermont.” With Jamie May (Middlebury ’01) and Steffy Rompas (Middlebury ’02).

“Estimating the Demand for Water among the Urban Poor and Not-So-Poor: Evidence from Cambodia.” With Wai Yee Chiong (Middlebury ’01), Mike Garn and Satu Kähkönen.

“Has Coproduction Led to Sustainable Community-Based Water Services?: Let’s Ask the Men and Women of the Communities!” With Meghan McGuinness (Middlebury ’00) and Satu Kähkönen.

### **RECENT RESEARCH GRANTS AND CONTRACTS**

The Environmental Protection Agency (March 2004, under submission) for “Demonstrating the Feasibility of a Biofuel.” (Co-investigator for student project).

VT-EPSCoR Summer Research Grant for Faculty at Baccalaureate Colleges (May 2003) for “The Transformation of Land-Based Social Capital.”

Environmental Studies Summer Research Fellowship (April 2003) for “The Transformation of Land-Based Social Capital.”

Undergraduate Collaborative Research Fund from the Office of the Dean of the Faculty (October 2002) for “A Census of Land-Based Groups and Spiritually-Oriented Environmental Groups in Two Vermont Counties.”

Undergraduate Collaborative Research Fund from the Office of the Dean of the Faculty (October 2001) for “The Village-Level Spatial Distribution of Group Membership in the Rural United States: An Example from Addison County, Vermont.”

Environmental Studies Research Assistance Grant from the Program in Environmental Studies (February 2000) for “The Varieties of the Resource Experience: How Natural Resource Endowments and Social Institutions Affect Economic Growth.”

Undergraduate Collaborative Research Fund from the Office of the Dean of the Faculty (January 2000) for “Has Coproduction Led to Sustainable Community-Based Water Services?: Let’s Ask the Men and Women of the Communities!”

Research contract from the Water and Sanitation Division of the World Bank (November 1999) for “Should We Bet on Private or Public Water Utilities In Cambodia? Evidence on Incentives and Performance from Seven Provincial Towns.”

Research contract from the Social Capital Initiative of the World Bank (May 1998) for “What Determines the Effectiveness of Community-Base Water Projects? Evidence from Central Java, Indonesia on Demand Responsiveness, Service Rules and Social Capital.”

Research contract from the Operations Evaluation Department of the World Bank (January 1997)  
for “What Determines the Effectiveness of Community-Base Water Projects? Evidence from  
Central Java, Indonesia on Demand Responsiveness, Service Rules and Social Capital.”

## CONFERENCE PRESENTATIONS AND ACADEMIC SEMINARS

“Civic Engagement and Environmental Outcomes: Qualitative and Quantitative Evidence on the Role of Citizen Action.” Invited presentation at the Nelson A. Rockefeller Center Global Environmental Seminar Program, May 2004.

“The Greening of Social Capital: Understanding Local Environmental Groups in Vermont.” Paper presented at the New England Political Science Association's 2003 Annual Meeting in Providence, RI, May 2003 (with Christopher McGrory Klyza and Andrew Savage '03)

“The Effect of Social Capital on Environmental Regulation: Evidence from State-Level Data.” Paper presented at the *Social Capital Thematic Group Visiting Scholar Series*, The World Bank, June 2003; and *The Southern Economic Association Annual Conference*, New Orleans, LA, November 2002.

“The Changing Composition and Influence of Land-Based Groups: Evidence from Two Counties in Vermont.” Paper presented at the New England Political Science Association's 2002 Annual Meeting in Portland, ME, May 2002 and the Howard E. Woodin Colloquium Series, Middlebury College (with Christopher McGrory Klyza and Andrew Savage '03)

“The Varieties of the Resource Experience: How Natural Resource Endowments and Social Institutions Affect Economic Growth.” Paper presented at *75 Years of Development Research*, Cornell University, May 2004; the *Workshop on Poverty, Social Capital, and Development*, University of Cambridge, March 2002; the World Bank's *Economic Growth Seminar*, Washington, DC, January 2002; and the Middlebury College *International Studies Colloquium*, Middlebury, VT, December 2001.

“The Effect of Social Capital on Fertilizer Adoption: Evidence from Rural Tanzania.” Paper presented at *Understanding Poverty and Growth in Sub-Saharan Africa*, University of Oxford, March 2002; *The American Economic Association Annual Conference* New York, NY, January 1999; and *The North East Universities Development Conference*, New Haven, CT, November 1998.

“How Well can Stakeholder-Based Laws Protect Local Mountain Ecologies?: A Case Study of ‘Green’ Expansion in the Green Mountains.” Invited paper presented at the Vermont Law School symposium *Mountain Resorts: Ecology and the Law*, South Royalton, VT, November 2001 (with Jeff Polubinski '02).

“What Determines the Effectiveness of Community-Base Water Projects? Evidence from Central Java, Indonesia on Demand Responsiveness, Service Rules and Social Capital.” Paper presented at *The Association of Collegiate Schools of Planning 42<sup>nd</sup> Annual Conference*, Atlanta, GA, November, 2000; the seminar series of the Department of Resource Economics, University of Massachusetts, Amherst, December 2000; and *The Conference on Social Capital and Well-Being*, Washington, DC, June 1999.

“Can Investments in Social Capital Improve Well-Being in Fishing Communities? A Theoretical Perspective for Assessing the Policy Options.” Invited paper presented at *The 10<sup>th</sup> Biennial Meeting of the International Institute of Fisheries Economics and Trade*, Corvallis, OR, July 2000.

“Can Investments in Social Capital Improve Local Development and Environmental Outcomes? A Cost-Benefit Framework to Assess the Policy Options.” 1999. Paper presented at *The 21st Annual Conference on Economic Issues*, Middlebury, VT, April 2000; and *The Association for Public Policy Analysis & Management Annual Research Conference*, Washington, DC, November 1999.

“The Effect of Social Capital on Technology Adoption: Evidence from Rural Tanzania.” Paper presented at *The American Economic Association Annual Conference* New York, NY, January 1999; and *The North East Universities Development Conference* New Haven, CT, November 1998.

“When It Takes More Than a Village: Coproduction of Rural Water and Sanitation Services.” 1997. With Satu Kähkönen. Plenary paper presented at *The International Workshop on Rural Infrastructure*, Washington, DC, May 1997.

“Improving the Delivery of Water and Sanitation: A Model of Coproduction of Infrastructure Services.” 1996. Paper presented at *The Southern Economic Association Annual Conference*. Washington, DC, November 1996.

“Civil Liberties, Democracy, and The Performance of Government Projects.” Paper presented at *The North East Universities Development Conference*, Cambridge, MA, November 1996.

“Does Participation Improve Performance? Establishing Causality with Subjective Data.” Paper presented at *The Conference on Institutions and Economic Development*, Washington, DC, October 1994.

## **TEACHING PORTFOLIO**

Conservation and Environmental Policy. Spring 2000 - present.

Environmental Economics. Spring 2000 - present.

Introductory Microeconomics. Fall 1999 - present.

Seminar in Environmental Economics. Fall 1999 - present.

### Winter Term Courses

Social Movements and Climate Change. January 2005.

The Challenge of Carbon Neutrality (with Lori Delnegro, Department of Chemistry.) January 2003

Social Capital in Vermont. January 2001.

## **PROFESSIONAL AND COMMUNITY SERVICE**

The Vermont Community Foundation (elected member). 2002 - present.

The Association of Environmental and Resource Economists. 2000 - present.

The Association for Public Policy Analysis and Management. 1998 - present.

The American Economic Association. 1995 - present.

Referee reports for *Contemporary Economic Policy*, *Economic Development and Cultural Change*, *Economic Enquiry*, *Environmental Management*, *The Journal of African Economies*, *The Journal of Development Studies*, *The Political Science Quarterly*, *World Development*, The International Food Policy Research Institute, Kluwer Academic Press, Rowman & Littlefield Publishers, Oxfam America, and the National Science Foundation.

## **EMPLOYMENT HISTORY**

### **Assistant Professor**

Department of Economics and Program in Environmental Studies, Middlebury College,  
Middlebury, VT. 1999 - Present.

### **Research Associate**

The Center for Institutional Reform and the Informal Sector, College Park, MD. 1994 - 1999.

- Co-directed study on local institutions and the performance of rural water projects.
- Co-authored four papers on the institutional determinants of rural water projects.
- Awarded over \$100,000 in grants for research on institutions and project performance.

### **Research Assistant and Assistant Task Manager.**

The World Bank, Washington, DC. 1990 - 1994

- Co-authored four papers on institutional and policy determinants of development projects.
- Initiated and led successful participatory project design for the Chad Basic Education Project.
- Supervised ongoing education and micro enterprise lending projects in Chad and Mali.
- Researched and wrote sections of *World Development Report 1991: Challenge of Development*.

### **Teaching Assistant and Teacher**

Johns Hopkins University - SAIS, Washington, DC.

The Emerson School, Washington, DC. 1988 - 1990.

- Taught fellow graduate students in international trade theory.
- Taught high school students in social studies and algebra.

### **Site Supervisor**

East Bay Conservation Corps, Oakland, CA. 1987 - 1988.

- Redesigned on-site education program and carpentry class for urban conservation corps.
- Led youth crew in urban conservation and home rehabilitation projects.

### **Appropriate Technology Specialist**

United States Peace Corps, Cotonou, Benin. 1984 - 1987.

- Co-directed project to develop and market fuel-efficient cooking stoves in urban Benin.
- Led project to finance and rebuild two primary school buildings in host village.