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## **EDUCATION**

**Ph.D. Natural Resources and Environment.** *University of Michigan, Ann Arbor* (2004).

*Dissertation:* Livelihoods and Institutional Development in the Malian Sahel: A Political Economy of Decentralized Natural Resource Management.

-- **Visiting Scholar. International Forestry Resources and Institutions Program.** *Workshop in Political Theory and Policy Analysis. Indiana University-Bloomington* (2001).

**MA Anthropology.** *University of Missouri, Columbia* (1991).

*Masters Research:* The Sociopolitical Organization of Traditional Irrigation in the Drâa Valley of Southern Morocco.

**BA Anthropology.** *University of Missouri, Columbia* (1986).

-- **Exchange Student.** *Sophia University.* Tokyo, Japan (1984-1985).

## **TEACHING & RESEARCH EXPERIENCE**

**Class of 1946 Visiting Professor of Environmental Policy & International Environmental Studies.** *Center for Environmental Studies.* Williams College, Williamstown, MA (2005-present).

- **Spring 2006 & 2007.** Nature, Wealth & Power: Social Science Perspectives on International Conservation and Natural Resource Management.
- **Fall 2005 & 2006.** Environmental Policy; Global Trends, Sustainable Earth [Sustainable Development].

**Graduate Student Instructor.** *School of Natural Resources & Environment.* University of Michigan, Ann Arbor (1999-2000).

- **Fall 1999 & 2000.** Environmental History & the Tropical World (with Richard P. Tucker).
- **Winter 2000.** Organizational Theory & Change in Natural Resource Management (with Steven R. Brechin).

**Geographic Information Systems (GIS) Instructor.** *Near East Foundation/Mali.* Douentza, Mali (2000).

- Developed curriculum and built regional database from publicly available spatial data for use in GIS training course • trained non-governmental organization staff in use of ArcView and GPS for natural resource applications.

**Fulbright Research Scholar.** *Moroccan-American Commission for Educational and Cultural Exchange/Institut Agronomique et Vétérinaire Hassan II.* Zagora, Morocco (1990-1992).

- Conducted ethnographic research on the sociopolitical organization of traditional irrigation systems in the Drâa Valley of southern Morocco.

**English Instructor.** *University Hassan II/U.S. Peace Corps. Casablanca, Morocco (1986-1988).*

- Taught classes in English composition and conversation; served as departmental coordinator for sophomore English; prepared 2 textbooks/teaching manuals.

### **PROFESSIONAL EXPERIENCE**

**Manager/Natural Resource Governance Specialist.** *International Resources Group (IRG), Environment and Natural Resources Division. Washington, D.C. (2003-2005).*

- **Chief of Party, Framework for Strategic Planning and Program Analysis for Environmental Investments in Africa (FRAME)** (2003-2005). Coordinated and provided technical oversight of US Agency for International Development (USAID) program to promote collaborative research and build advocacy networks among African natural resource management practitioners • initiated expansion of FRAME project into Latin America and Asia/Near East.
- **Natural Resources Governance Specialist, MSI/USAID Shared Governance Program, Mali** (2004). Developed of tools and guidelines to facilitate sustainable, natural resource-based economic development for Mali's fledgling decentralized local governments, based on *Nature, Wealth and Power* framework.
- **Project Development** (2003-2005). Responsible for reconnaissance and proposal design work in response to USAID-issued Requests for Proposals (RfP) in the Environment and Natural Resources sector [4 successful proposals totaling \$13.5 million].

**Country Director, Morocco.** *Near East Foundation (NEF). Ouarzazate, Morocco (1993-1998).*

- Created and directed the NEF's Appropriate Technology Training Center in southern Morocco • developed & implemented natural resource management, appropriate technology & rural civil society projects that reached over 40,000 people in 120 villages over five years • developed numerous appropriate technology tools & techniques, training materials, and manuals for local development • raised \$1.2 million in program funding from 10 donors over 5 years • established and maintained partnership relations with multilateral organizations, government administrations, and international NGOs • negotiated landmark 10-year country agreement with the Moroccan Ministry of Foreign Affairs • recruited, trained, and supervised 18-person staff.

### **ADDITIONAL CONSULTING & SERVICE**

**Poverty Impact Specialist.** *Bamako-Sénou International Airport and Industrial Park Project (Mali), IRG/Millennium Challenge Corporation (MCC), Washington, DC (2006).*

- Pre-feasibility poverty impact assessment and report for U\$170 million MCC investment.

**Field Coordinator/Lead Researcher.** *Natural Products Value Chain Study (Madagascar), IRG/USAID. Antananarivo, Madagascar (2006).*

- Design and supervision of collaborative research project on governance and conservation dimensions of the aromatic and medicinal plants value chain in Madagascar.

**Biodiversity, Ecology & Anthropology Specialist.** *Sustainable Agriculture and Natural Resource Management Collaborative Research Support Program (SANREM CRSP). Virginia Polytechnic Institute & State University. Blacksburg, Virginia (2005).*

- Member of technical review panel for USAID-funded SANREM CRSP long-term research applications.

**Board of Directors/Program Committee Chair.** *Near East Foundation*, New York, NY (2000-present).

- Elected to Board of Directors of non-profit international development organization (2001 & 2004); elected to International Council (2000).

**Board of Directors/Founding Member.** *Tichka Association*, Ouarzazate, Morocco (1992-1995).

- Co-founded local development NGO focusing on rural development and capacity building • developed proposal and negotiated funding for a 2-year, \$400,000 potable water development project • served as project development advisor for several small projects, including primary school infrastructure improvement, irrigation rehabilitation, institutional consolidation.

**Cross-culture Coordinator.** *U.S. Peace Corps Pre-service Training*. Rabat, Morocco (1991 & 1992).

- Developed and implemented two 3-month pre-service training programs to introduce new Peace Corps volunteers to Moroccan culture.

### **GRANTS & AWARDS**

- 2004      **Distinguished Dissertation Award (Honorable Mention).** *University of Michigan, Ann Arbor.* Dissertation recognized for 'exceptional and unusually interesting work' in University-wide competition; one of top 17 dissertations among the 650+ completed at the University of Michigan in 2004.
- 2002      **Rackham Pre-Doctoral Fellowship.** *University of Michigan, Ann Arbor.* Twelve-month award to support dissertation writing.
- 2000      **Behavior and Environment Award.** *School of Natural Resources and Environment, University of Michigan, Ann Arbor.*
- 1999      **EPA STAR Fellowship.** *U.S. Environmental Protection Agency.* Three-year award for doctoral study and dissertation research.
- 1999/2001      **Rackham Dissertation Grants.** *Horace H. Rackham Graduate School, University of Michigan.* Three separate grants to support dissertation fieldwork.
- 1999/2000      **SNRE Merit Awards.** *School of Natural Resources and Environment, University of Michigan, Ann Arbor.* Two separate merit awards to support dissertation fieldwork.
- 1999      **Ford Seminar for Social Sciences and Area Studies.** *International Institute, University of Michigan, Ann Arbor.* Award for summer pre-dissertation research in Mali.
- 1998      **Foreign Language and Area Studies Fellowship (FLAS).** *University of Michigan, Ann Arbor.* Two-year award for study of Modern Standard Arabic (only one year accepted).
- 1990      **Fulbright Research Grant.** *IIE/Moroccan American Commission for Educational and Cultural Exchange, Rabat, Morocco.* Twelve-month award for ethnographic research in Morocco.

## **PUBLICATIONS & PRESENTATIONS**

### ***Publications***

- In press “Contested ground in nature protection: Protected area and community-based natural resource management.” In J. Pretty, ed. *Sage Handbook on Environment and Society*. Thousand Oaks, CA: Sage Publications (with Steven R. Brechin & Grant Murray).
- 2006 “Forests, poverty and equity in Africa: New perspectives on policy and practice,” *International Forestry Review* 8(1): 44-53 (with Jon Anderson, Bruce Campbell & Daniel Tiveau).
- 2003 “Crafting conservation globally and locally: Complex organizations and governance regimes.” In Brechin, S., P. Wilshusen, C. Fortwangler & P. West, eds. *Contested Nature: Power, Protected Areas, and the Dispossessed*. Albany: SUNY Press (with Steven R. Brechin & Peter Wilshusen).
- 1999 Review of *Governing Irrigation in Nepal*. *Society and Natural Resources* 12(7): 708-712.

### ***Conference presentations & guest lectures***

- 2006 “Community forest management and livelihood security in the Malian Sahel.” IASCP Bi-annual Conference, *Survival of the Commons: Mounting Challenges and New Realities*. Bali, Indonesia.
- 2005 “Promoting Pro-Poor, Pro-Environment Rural Development in Africa.” Invited lecture, Williams College.
- 2005 “Malian Landscapes: Cultural, Economic and Institutional.” Invited lecture, Williams College.
- 2005 “Nature, Wealth and Power.” Invited lecture, Bucknell University.
- 2004 “Pulling It Together and Putting It into Practice: Experience with the Nature, Wealth and Power Framework.” Policy Sciences Annual Institute. New Haven, CT (with Jon Anderson).
- 2004 “Reconciling Legal Pluralism through Negotiated Local NRM Conventions.” West Africa Regional SANREM CRSP Workshop, *Innovations institutionnelles et développements technologiques pour une gestion décentralisée et durables des ressources naturelles*. Bamako, Mali (with Aly Bocoum).
- 2003 “Biodiversity, Livelihoods and Institutional Development in the Sahelian West Africa.” Invited lecture, St. Mary’s College of Maryland.

### ***Non-academic publications***

- In press “Greening Timbuktu’s Hinterlands.” In *State of the World 2007: An Urban Planet*. Washington: Worldwatch Institute (with Aly Bocoum and Aly Bacha Konaté).
- 2006 *Madagascar Aromatic and Medicinal Value Chain Analysis*. Report prepared for USAID FRAME and AMAP/BDS programs (with Criss Julliard, Aro Ratovonomenjanahary, Pascal Ravohitrarivo).
- 2004 *Nature, Wealth and Power Toolkit*. Report prepared for the USAID-Mali Shared Governance Program (with Aly Bacha Konaté).

1998 *Manual of Small-scale Chicken Raising* [Arabic]. Rabat: Near East Foundation/UNICEF-Morocco (with Hafida Agouzi).

1998 *Manual of Apiculture* [Arabic]. Rabat: Near East Foundation/ UNICEF-Morocco (with Hafida Agouzi).

***Work-in-progress***

“Communities and local government: Challenges of legal pluralism in decentralized natural resource management.” (For submission to *World Development*).

“Livelihood diversification and institutional complexity: From action spaces to polycentric governance of natural resources in the Malian Sahel.” (For submission to *Human Ecology*).

“Power returns home: Historical roots of decentralized administrative and natural resource policy in Mali.” (For submission to *Environmental History*).

“Measuring institutional performance in community-based forest management: Case studies from northern Mali.” (For submission to *Development & Change*).

“Institutional responses to uncertain environments: Redundancy and flexibility in canal irrigation in southern Morocco.” (For submission to *Human Organization*).

**LANGUAGES**

**Moroccan Arabic** (professional capacity)

**French** (professional capacity)