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ASSISTANT PROFESSOR

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CITIZENSHIP: Colombian and USA

EDUCATION

Ph. D. Anthropology. Dec. 1995. Department of Anthropology. University of Arizona.

"Environmental Adaptation, Political Coercion, and Illegal Behavior: Small-scale Fishing in the Gulf of California."

M.S. Agricultural Economics. May 1991. Department of Agricultural Economics. University of Arizona. "The Development of Agrarian Capitalism in Nicaragua: Coffee in the North Central Region."

M.A. Cultural Anthropology. May 1990. Department of Anthropology. University of Arizona.

B.A. Sociology. May 1986. College of Saint Teresa, Winona, Minnesota, Summa Cum Laude.

RESEARCH INTERESTS

Environmental anthropology; political ecology; fisheries management and maritime anthropology; rural development and agricultural cooperatives; environmental justice; human dimensions of global environmental change. Geographic area of interest: Latin America.

LANGUAGES

Spanish (native language, written and spoken)

English (near native fluency in reading, speaking, writing)

French (working knowledge)

Portuguese (working knowledge)

PROFESSIONAL EXPERIENCE

Research

Assistant Research Anthropologist, Bureau of Applied Research in Anthropology (BARA), The University of Arizona (UA). 2004-2009. Co-PI for a project funded by the United States Agency of International Development (USAID) entitled "Development and Expansion of Economic Assistance

Programs That Fully Utilize Cooperatives or Credit Unions.” This project proposes to assess a set of agricultural cooperatives that vary in terms of size, function, and commodity across four countries in Latin America—Colombia, Paraguay, Brazil, and Bolivia—in order to develop strategies of change that reflect the effective role of cooperativism and cooperatives and their impacts on society and the economy.

Assistant Research Anthropologist, BARA/Institute for the Study of Planet Earth (ISPE), UA. 2000-present. Project Manager for the social science component of the Climate Assessment for the Southwest Project (CLIMAS), funded by NOAA. Research within this interdisciplinary project involves assessing human and institutional vulnerability to climate variability in diverse rural communities in the Southwest U.S. and among farmers, ranchers, Native Americans, Hispanic farm workers, and water managers.

Research Associate, Latin American Area Center (LAAC), UA. 1996-1997. Project Manager for a NASA funded study on the “Economic and Demographic Causes of Land Use Change in Mexico.”

Research Associate, BARA, UA. 1997. Field coordinator for the “Pollution Prevention and Environmental Justice” project in the city of Nogales, Arizona.

Research Associate, BARA, UA. 1996-1997. Team leader for the Latin American region in preparation of case studies to be used by FAO's Women and Development training sessions.

Graduate Research Associate, BARA, UA. 1993-1995. Principal field researcher and field coordinator for a socioeconomic impact assessment related to the creation of the Upper Gulf of California Biosphere Reserve in Mexico.

Graduate Research Assistant, BARA, UA. 1990. Conducted field research in the Mexican community of Tucson for the Community Literacy Project, which focused on the relationship of literacy to community knowledge.

Graduate Research Assistant, Documentary Relations of the Southwest, Arizona State Museum, (UA). 1990. Reading, writing precis, and computerizing information from Spanish colonial documents located in the branch of Provincias Internas of the Mexican national archives.

FUNDED RESEARCH SUPPORT

Co-Principal Investigator, USAID, ACDI/VOCA, 2004-2009. Development and Expansion of Economic Assistance Programs That Fully Utilize Cooperatives or Credit Unions. In collaboration with Timothy J. Finan.

Co-Principal Investigator, CONAHEC, 2004. Environmental Indicators for Sustainable Agriculture: A Northwestern Sonora Study. In collaboration with Alvaro Bracamonte, Colegio de Sonora, Mexico.

Principal Investigator, Inter American Institute for Global Change - Small Grants Program, 2002-2003. The Human Dimensions of Biodiversity Conservation and Sustainable Use of Marine Resources: An Integrated Assessment of Lessons from Three Co-management Initiatives in the Americas. In collaboration with Daniela Kalikoski, Universidade Federal de Rio Grande do Sul, Brazil and Roberto Enriquez, Universidad Autonoma de Baja California, Mexico.

Principal Investigator, National Science Foundation. 2001-2003. Responding to Crisis: Rapid Environmental and Economic Change in the Mid-Gulf of California Fisheries.

PENDING RESEARCH SUPPORT

Senior Personnel, NSF, 2005-2008. Development of a Climate Vulnerability Index as a Knowledge-Generated Tool: Pioneering Interactive Stakeholder-Driven Research in Water Management. In collaboration with the Udall center at the University of Arizona and the University of Michigan.

Teaching

Assistant Professor, Latin American Area Center (LAAC), UA July 2004-present. LAS 595-C, Environment and Society in Latin America. INDV 102 Modern Latin America: A Social Science Perspective.

Adjunct Faculty, Latin American Area Center, UA. 2004. INDV 102.

Adjunct Faculty, Pima Community College, Tucson, AZ, 1996-1997. Teach Anthropology 102, Introduction to Cultural and Linguistic Anthropology, Anthropology/History 127, History and Culture of Mexican Americans in the Southwest.

Adjunct Faculty, Latin American Area Center, UA 1996-1997. Shared teaching responsibilities for a graduate seminar on Latin American Environmental Policy.

Graduate Associate in Teaching, Department of Anthropology, UA. 1992, 1994, 1995, 1996. Anthropology 102, Introduction to Cultural Anthropology; Anthropology 529, Culture and Societies of Africa; Agricultural Economics/Anthropology 554, In the Wake of the Green Revolution.

Adjunct Faculty, 1992. Instituto Tecnológico de Estudios Superiores de Monterrey, Campus Guaymas, Sonora, México. Graduate level introductory course on Applied Anthropology.

SERVICE

Community Involvement and Outreach

Speaker. Presentation on Cooperative Development among Indigenous Groups in Latin America, Maues, Brazil. 2005.

Speaker. Environment and Society in the Colombian Amazon. Workshop for Educators Series. Latin American Studies. 2005.

Speaker. Presentation of CLIMAS project to stakeholders at the Forest Health Working Group meeting at Pinetop-Lakeside, Arizona.

Contributor. Written contribution to the section on vulnerability to drought prepared by the Arizona Governor's Drought task force.

Public Radio Program Director, Public radio station KUAT, Radio Universidad. 15-minute segment on fishing in the Gulf of California, broadcasted once a week in Spanish. 2003.

Participant, The Susan G. Komen Breast Cancer Foundation. Race for the Cure, fund raising event in southern Arizona, 2002 and 2003.

Facilitator at environmental planning meetings of Bahia de Kino community members and the Seri Indigenous Community. 2001-2002.

Organizer, St. Ambrose Catholic School. Fieldtrips to the Arizona Historical Society and American Indian exhibit at the Arizona State Museum. Invite outreach and education specialist from the Kaibab Band of Paiute Indians to talk on Kaibab culture and history. 2002-2004.

Participant, St. Ambrose Catholic School. A variety of fund raising events for the Catholic scholarship fund. 2001-2003.

Exhibitor at Southeastern Arizona Ag-Day and Trade Show, 2002-2004. Presented results from research done in the community and provide information on climate forecasting and research

Citizenship

BARA Executive Committee, 2004-2008.

Honors and Awards

University of Arizona: Association for Women Faculty Travel Awards, 2002, 2003; International Affairs, Travel Award 1997, 2002, 2003; LAAC Travel Award, 1997, 2001; Graduate College Faculty Development Fellowship, 1995; Minority Graduate Student Fellowship, 1994; Edward H. Spicer Award, 1991; Graduate Academic Scholarship, 1989-1991, 1993-1994, 1995; Minority Student Travel Award, 1991; President's Graduate Student Fellowship, 1989.

Other: The Nature Conservancy Award, 1997; International Association for the Study of Common Property Conference Award, 1995; Teresan Scholarship Fund Dissertation Award, 1993; Phi Delta Gama Honor Society.

Affiliations

International Association for the Study of Common Property
Society for Applied Anthropology
Association of Women Faculty

American Anthropological Association
Political Ecology Society
Society for Latin American Anthropology

PUBLICATIONS

- Vásquez-León, M. and A. Bracamonte. 2005. Indicadores Ambientales para la Agricultura Sustentable: un Estudio del Noreste de Sonora. Final Report. El Colegio de Sonora, Sonora, Mexico.
- Vásquez-León, M. and D. Liverman. 2004. The Political Ecology of Land-Use Change: The Case of Affluent Ranchers and Destitute Farmers in the Mexican Municipio of Alamos. *Human Organization*. 63 (1): 21- 33.
- Vásquez-León, M, C. T. West, T. J. Finan. 2003 A Comparative Assessment of Climate Vulnerability: Agriculture and Ranching on Both Sides of the US–Mexico Border. *Global Environmental Change*. Vol. 13 (3): 159-173.
- West, C.T. and M. Vásquez-León 2003 Testing Farmers' Perceptions of Climate Variability: a case study from the Sulphur Springs Valley, Arizona. In B. Orlove and S. Strauss, eds. *Weather, Climate, Culture: Building Anthropological Bridges from Past to Future*, Berg Publishing: New York.
- Vásquez-León, M., 2002, Assessing Vulnerability to Climate Risk: The Case of Small-Scale Fishing in the Gulf of California, Mexico. *Investigaciones Marinas* Vol. 30(1): 204-205.
- Vásquez-León, M., C. West, B. Wolf, J. Moody, and T. Finan, 2002, Vulnerability to Climate Variability in the Farming Sector: A Case Study of Groundwater Dependent Agriculture in Southeastern Arizona. CLIMAS Report CL1-02. Institute for the Study of Planet Earth. University of Arizona, Tucson, Az.
- Vásquez-León, M., 1998, Neoliberalism, Environmentalism, and Scientific Knowledge: re-defining natural resource use rights in Mexico. In. J. M. Heyman, ed. *States and Illegal Practices*. Berg Publishers, Oxford, UK.
- Vásquez-León, M., 1994, Avoidance Strategies and Governmental Rigidity: the Case of the Small-scale Shrimp Fishery in Two Mexican Communities. *Journal of Political Ecology* 1:67-81.
- Vásquez-León, M, and T. McGuire, 1994, La Iniciativa Privada in the Mexican Shrimp Industry: Politics of Efficiency. *Maritime Anthropological Studies* 6(1/2):59-73.
- Vásquez-León, M., 1993, The Political Organization of Fishing. In T. McGuire and J. Greenberg, eds. *Maritime Community and Biosphere Reserve: Crisis and Response in the Upper Gulf of California*, Occasional Paper No.2 Bureau of Applied Research in Anthropology, University of Arizona, Tucson.
- Aubert, H. and M. Vásquez-León, 1993, The Ethnography of Fishing. In T. McGuire and J. Greenberg, eds. *Maritime Community and Biosphere Reserve: Crisis and Response in the Upper Gulf of California*. Occasional Paper No.2 Bureau of Applied Research in Anthropology, University of Arizona, Tucson.
- Vásquez-León, M., T. McGuire, and H. Aubert. 1993. Suggestions for a Sustainable Fishery. In T. McGuire and J. Greenberg eds. *Maritime Community and Biosphere Reserve: Crisis and Response in the Upper Gulf of California*. Occasional Paper No.2 Bureau of Applied

Research in Anthropology, University of Arizona, Tucson.

INVITED TALKS

- Vásquez-León, M., 2005. The Impact of Plan Colombia on the Colombian Amazon Region. Center for Latin American Studies. Center for Latin American Studies. Teacher Outreach Program (Funded).
- Vásquez-León, M. and T. Finan, 2004. Rural Cooperatives in Latin America: An Assessment of Change Strategies. Presentation at ACDI/VOCA Annual Meeting, September 21-23, Cartagena de Indias, Colombia (Funded).
- Vásquez-León, M., 2003, A Social Science Perspective on Marine Fisheries. Presented at the Gulf of California Delta Campus Meeting, Department of Geosciences, The University of Arizona.
- Vásquez-León, M., 2003, Social Vulnerability and Climate Risk in the Southwest: Ranching, Farming, Forestry, and Recreation. San Carlos Apache Tribe, San Carlos Indian Reservation, Arizona.
- Vásquez-León, M., 2002, An Assessment of Sustainability in the Use of Marine Resources: Small-Scale Fisheries in the Gulf of California, Mexico. Federal University of Rio Grande, Rio Grande, Brazil.
- Vásquez-León, M., 2002, Environmental Struggles and Applied Anthropology: Gender, Ethnicity, and Class. Instituto de Estudios Indígenas. Temuco, Chile
- Vásquez-León, M., C. West, B. Wolf, J. Moody, and T. Finan. 2002. Vulnerability to Climate Risk: A Case Study of Groundwater-Dependent Farmers in Southeastern Arizona. Climate Prediction Assessments Workshop October 28-30 Alexandria, VA. (Funded).
- Vásquez-León, M., H. Aubert, E. Fernandez, 2001, Desarrollo y Conservación: Donde se Sitúa la Voz de las Comunidades Costeras. Presented at a meeting of La Coalición Para el Desarrollo Sustentable de Golfo de California. Hermosillo, Mexico
- Vásquez-León, M., February 1999. Environmental Adaptation, Political Coercion, and Illegal Behavior: Small-scale Fishing in the Gulf of California. McGill University, Montreal, Canada. (Funded).

SELECTED PAPERS WITH ABSTRACTS

- Vásquez-León, M., 2005. Arenas a Contraluz: A Video on Conflicting Views on Marine Resource Use. Society for Applied Anthropology Meetings, Santa Fe, New Mexico. April 5-10.
- Vásquez-León, M., Wolf, B. 2004. The Role of Climate information in Water Conflict: the case of the Upper Gila River, Arizona. Paper presented at the Climate Prediction Applications Science Workshop. Research and Applications on Use and Impacts. Tallahassee, Florida, March 9-11.
- Vásquez-León, M., 2003, Desarrollo, Conservación y Justicia Ambiental: Donde se Sitúa la Voz de las Comunidades Pesqueras? Presented at the Taller La Pesca Ribereña en Mexico: Una Crisis Desatendida. December 11-12. Colegio de la Frontera, Tijuana, Mexico.
- Vásquez-León, M. 2003. Economic and Environmental Dilemmas in the Fishing Communities of the Mid-Gulf Of California. Paper presented at the Open Meeting of the Human Dimensions of Global Environmental Change Research. Montreal, Canada. Oct 15-19.
- Vásquez-León, M. 2003, Responding to Deteriorating Economies and Environments: Marine Fisheries in the Gulf of California. Paper Presented at the Society for Applied Anthropology Meetings, Portland, Or March 19-23.

- Vásquez-León, M. 2002, Assessing Vulnerability to Climate Risk: The Case of Small-Scale Fishing in the Gulf of California, Mexico. Paper presented at the El Niño Symposium and Workshop. August 7-10, Viña del Mar, Chile.
- Vásquez-León, M., 2002 Reclaiming the Sea: Coastal Communities Struggle for Environmental Justice in Mexico. Paper Presented at the Society for Applied Anthropology Meetings.
- West, C.T. and M. Vásquez-León, 2001, Testing Farmers' Perceptions of Climate Variability: A Case Study from the Sulphur Springs Valley, Arizona. Paper presented at the American Anthropological Association 100th Annual Meeting, Washington D.C.
- Vásquez-León, M., 2001, Vulnerability and Adaptation to Climate Variability: Affluent Ranchers and Destitute Farmers in Sonora, Mexico. Paper presented at the Open Meeting of the Human Dimensions of Global Environmental Change Research. Rio de Janeiro, Brazil Oct 6-8
- Vásquez-León, M., C.T. West, and T. Finan, 2001, Climate vulnerability in the Post Global Age: Agriculture and Ranching of Both Sides of the U.S.-Mexico Border. Paper presented at the Society for Applied Anthropology 61st Annual Meeting. March 28-April 1.
- Vásquez-León, M. and D. Liverman, 1997, The Social Causes of Deforestation and Land-use/Cover Change in Alamos, Mexico. Paper presented at the Conservation and Development Forum, Forum'97: New Linkages in Conservation and Development. Istanbul, Turkey.
- Vásquez-León, M., 1997, Is Co-management a Realistic Possibility?: Institutional Organization in the Shrimp Industry in the Gulf of California. Paper presented at the Society for Applied Anthropology Meetings, Seattle, Washington.
- Vásquez-León, M., 1997, The Upper Gulf of California Biosphere Reserve: An Evaluation of Proposed "Sustainable" Development Strategies. Paper presented at the Society for Applied Anthropology Meetings, Seattle, Washington.
- Vásquez-León, M., and D. Liverman, 1997, The Political Ecology of Deforestation, Buffelgrass Cultivation, and Environmentalism in Alamos, Mexico. Paper presented at the Latin American Studies Association Meeting, Guadalajara.