

JOHN N. WILLIAMS
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EDUCATION

- Ph.D., Ecology**, University of California, Davis Dec 2008
Dissertation: Patterns of Tree Diversity in the Tropical Dry Forests of Pacific Coast Mexico
Committee: Mark Schwartz (Chair); Marcel Rejmanek; Rodolfo Dirzo.
- Master of Environmental Management**, Duke University, Durham, NC. May 1996
Master's Project: Development and impact of the Machiguenga people in Manu National Park.
Advisor: John Terborgh
- Master of Public Policy**, Duke University, Durham, NC. May 1996
Master's Memo: Five policy options for conflict resolution in a Peruvian national park.
Advisor: William Ascher
- Bachelor of Arts, Biology**, Colorado College, Colorado Springs, CO. Dec 1991
Graduation with distinction in biology; *cum laude*.
- Study Year Abroad, France**. Université de Paris and New York University in Paris. 1989-90

RESEARCH EXPERIENCE

- Postdoctoral Scholar**, University of California, Davis Jan 2009-Present
Research in Progress:
- Assessing carbon sequestration, biodiversity and the ecological footprint of an organic vineyard: a case study of Bonterra in Mendocino, California. J.N. Williams, L. Jackson, K. Steenwerth, A. Hollander, R. Hanifin, F. Barrios and A. Thrupp.
 - Soil nutrient dynamics and biodiversity of Chiapas tropical dry forest hillsides. J.N. Williams, L. Jackson, L. Garcia Barrios, A. Valdivieso Perez, U. Pascal and A. Hernandez.
- Dissertation Research**, Huatulco, Oaxaca and Chamela, Jalisco, Mexico 2004-08
- Designed and implemented multi-year field research study comparing tree community composition, phylogeny and biogeographic origins across ecological gradients in dry forest sites.
 - Analyzed data in above study using geographic information systems (ArcGIS), multivariate statistics, community phylogenetic analysis and null model comparisons.
- Master's Research**, Manu National Park (MNP), Peru 1994
Designed and implemented a survey instrument for a 3-month study with the following goals:
- Assess the ecological impacts of the Machiguenga indigenous people on MNP biodiversity.
 - Assess the impacts on the Machiguenga of contact with park authorities, scientists and tourists.
- Research Assistant, Soil Science**, Luquillo National Forest, Puerto Rico 1993
Helped design and implement study on leaf litter decomposition and nutrient cycling in a Caribbean rainforest.

PROFESSIONAL EXPERIENCE

- Population-Environment Specialist**, Conservation International, Washington, DC 2002-03
- Directed CI's Population-Environment program, including headquarter activities and field projects in Guatemala, Madagascar, Mexico and the Philippines.
 - Point person for grant writing, project reports and management of \$1 million annual budget
 - Led collaboration with field teams on project design, implementation, monitoring and evaluation.
- International Development Associate**, Conservation International, Washington, DC 2000-01
United States Agency for International Development, Population-Environment Fellows Program
- Coordinated development of joint conservation-reproductive health/family planning projects for global field programs. Duties included project design, grant writing, reports to donors.
 - Liaison to donors, partner organizations and public. Organized workshops and gave seminars.
- Protected Areas Analyst**, Conservation International, Chiapas, Mexico 1999
- Combined demographic data, forest cover maps and biodiversity studies into a geographic information system (GIS).
 - Produced reports on the impact of human activities in the Montes Azules Biosphere Reserve with respect to forest loss, areas of high biodiversity/sensitive habitats and conservation strategies.
- National Parks Planner**, United States Peace Corps, Agadir, Morocco 1997-98
Developed and promoted an ecotourism project for Souss-Massa National Park in southern Morocco.
- Detailed economic activities and analyzed impact of a Berber community inside the park.
 - Participated in park-wide management, monitoring and planning.
- Forestry Consultant**, Inter-American Development Bank, Washington, DC 1996-1997
Researched, edited and authored sections of Bank publications, including:
- Strategies for biodiversity protection in Latin America and the Caribbean.
 - Best management practices for forestry, non-timber forest products, urban greening
- Assistant Forest Manager**, Duke University, Durham, NC 1993-1995
Participated in maintenance and long-term planning of 7,700 acre research forest. Helped manage timber extraction, wildlife habitat conservation, riparian corridors and recreation. Activities included:
- Timber cruising, site preparation, logging operations and restocking
 - Controlled burns, pest management, field mapping
- Student Herbarium Curator**, Colorado College, Colorado Springs, CO 1990-1991
Identified, prepared and catalogued plant collections for college herbarium.

AWARDS

- National Science Foundation Travel Grant**, to Merida, Mexico (see Presentations) 2009
- Fulbright Dissertation Grant**, Mexico (Joint Sponsor: Comexus-Garcia Robles) 2006-07
- UC-MEXUS Dissertation Grant**, Oaxaca and Jalisco, Mexico 2005-07
- Jastro-Shields Dissertation Grant** (University of California), Oaxaca, Mexico 2004, 2005
- Tinker Foundation Master's Research Grant**, Manu National Park, Peru 1994

PUBLICATIONS

Williams, J.N., Seo, C., Thorne, J., Nelson, J.K., Erwin, S., O'Brien, J.M., & M.W. Schwartz. *In Press*. Using species distribution models to predict new occurrences for rare plants. *Diversity and Distributions*.

Williams, J.N., Trejo, I. & M.W. Schwartz. *In Preparation*. Comparing community structure of tree diversity in the Mexican tropical dry forest. Expected submission date: 5/09.

Williams, J.N., Viers, J.H. & M.W. Schwartz. *In Preparation*. Tropical Dry Forest Trees and the Relationship between Local Abundance and Geographic Range. Expected submission date: 3/09.

Williams, J.N. & C.K. Kelly. *In Preparation*. The phylogenetic basis of diversity and abundance in a tropical dry forest tree community. Expected submission date: 4/09.

Sorenson, M., Barzetti, V., Keipi, K. & **J.N. Williams**. 1998. Good practices in urban greening. The Inter-American Development Bank, Sustainable Development Document ENV-109.

PRESENTATIONS

Tropical dry forest trees and the relationship between local abundance and geographic range. Poster presented at International Biogeography Society 2009 Ann. Mtg. Mérida, Mexico.

Relating local abundance to geographic range: is macroecology at play in the tropical dry forests of Mexico? Poster presented at Society for Conservation Biology 2008 Ann. Mtg. Chattanooga, TN.

TEACHING EXPERIENCE

Field Methods in Ecology , UC Davis. Teaching assistant (TA), field, laboratory, some lectures.	Spring 2004, '05, '06
Environmental Problem Solving (Engineering), UC Davis. TA, laboratory.	Winter 2006
Methods of Environmental Policy Evaluation , UC Davis. TA, some lectures.	Fall 2007
World Geography and Ecosystems , UC Davis. TA, some lectures.	Winter 2008

LANGUAGE SKILLS

French	Written and Spoken Fluency
Spanish	Written and Spoken Fluency