

GIGI OWEN

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Address: Climate Assessment for the Southwest, Univ. of Arizona, ENR2 Bldg., 1064 E Lowell St. #N510, Tucson, AZ 85721

RESEARCH INTERESTS

vulnerability; urban food studies; the food-water-energy-climate nexus; climate justice; political ecology

EDUCATION

UNIVERSITY OF ARIZONA

Ph.D. Candidate, School of Geography & Development

Tucson, AZ

2010-2017 (expected)

- Dissertation: Social Vulnerability to Climate Change in greater Tucson, AZ: adaptation planning, food, energy, and water
- Committee: Diana Liverman (chair), S. Marston, T. Osborne, A. Meadow

UNIVERSITY OF ARIZONA

M.A., Latin American Studies

Tucson, AZ

2004-2006

- Thesis: *Marketing Mysticism and the Purchase of Pilgrimage: The Rise of Spiritual Tourism in Cusco and Iquitos Peru*
- Committee: Sylvia Tesh (chair), W. Beezley, M. Vasquez, M. Wilder

UNIVERSITY OF CALIFORNIA, DAVIS

B.A., Nature and Culture, emphasis in Ecology

Davis, CA

1998-2002

PROFESSIONAL EXPERIENCE

ASSISTANT STAFF SCIENTIST

Climate Assessment for the Southwest (CLIMAS), Institute of the Environment, University of Arizona

Tucson, AZ

2008-Present

- CLIMAS Program Evaluation
- Climate and Society Graduate Fellows Program
- Sustainability, Food, Water, and Energy in Tucson, AZ
- Evaluation of Fire Forecast Products to Enhance U.S. Drought Preparedness and Response
- Developing Useful Science: Methods for Engaging Stakeholders and Evaluating Integrated Climate

RESEARCH SPECIALIST

Bureau of Applied Research in Anthropology, University of Arizona

Tucson, AZ

2006-2008

- Evaluation of Small Scale Burning of Waste and Wood in Nogales, Sonora (U.S. EPA Border 2012 Air Quality Task Force Initiative)
- The Gulf of Mexico Alliance Diversity Project: Enhancing Environmental Education to Reach Underserved and Underrepresented Populations
- Translational Science Fellowship in Environmental, Water, Land, and Natural Resource Sciences

RESEARCH ASSISTANT

Climate Assessment for the Southwest (CLIMAS), Institute of the Environment, University of Arizona

Tucson, AZ

2004-2006

- Community and Conservation in the U.S.-Mexico Border Region: Assessing Public Values Toward the Lower Colorado River and Delta

RESEARCH & TEACHING ASSISTANT

Alan Weisman, Center for Latin American Studies, University of Arizona

Tucson, AZ

2006

- U.S. Press Coverage in Latin America

RESEARCH TECHNICIAN

Center for Insect Science Education, University of Arizona

Tucson, AZ

2003-2004

- Sonoran Insect Biodiversity Project

RESEARCH ASSISTANT

Instituto de Ecología, Universidad Nacional Autónoma de México

Hermosillo, Sonora, MX

2003-2004

- Ecosystem Impacts of Invasive Buffelgrass (*Pennisetum ciliare*) in the Sonoran Desert

GRANTS AND AWARDS

- Coping with Drought Research Grant (Co-PI), Climate Program Office, National Oceanic and Atmospheric Administration. 2009. (\$103,000)
- Travel Grant, Graduate & Professional Student Council, University of Arizona: 2015 (\$700); 2013 (\$500); 2012 (\$500); 2006 (\$500)
- Travel Grant, Latin American Studies Foundation, University of Arizona, 2006 (\$300)
- Research Grant, Tinker Foundation. 2005. (\$1,000)
- Citation for Outstanding Performance in Nature and Culture, University of California, Davis (2002)

PUBLICATIONS

PEER REVIEWED

- Lyons, K., B. Maldonado, **G. Owen**. 2013. Community and ecosystem effects of buffelgrass (*Pennisetum ciliare*) and nitrogen deposit in the Sonoran Desert. *Invasive Plant Science and Management* 6(1): 65-78.
- Meadow, A., D. Ferguson, Z. Guido, A. Horangic, **G. Owen**, T. Wall. Moving toward the deliberate co-production of climate science knowledge. *Weather, Climate, and Society* 7(2): 179-191.
- Morehouse, B., D. Ferguson, **G. Owen**, A. Browning-Aiken, P. Wong-Gonzalez, N. Piñeda, R. Varady. 2008. Science and socio-economic resilience: examples from the Arizona-Sonora border. *Environmental Science and Policy* 11(3): 272-284.
- Owen, G.**, J. McLeod, C. Kolden, D. Ferguson, T. Brown. 2012. Wildfire management and forecasting fire potential: the roles of climate information and social networks in the southwest United States. *Weather, Climate, and Society* 4(2): 90-102.
- Werner, K., K. Averyt, **G. Owen**. 2013. River forecast application for water management: oil and water? *Weather, Climate, and Society* 5: 244-253.

In Press

- Ferguson, D., M. Finucane, V. Keener, and **G. Owen**. Evaluation to Advance Science Policy: Lessons from Pacific RISA and CLIMAS. In *Climate in Context*. Eds. A. Parris, G. Garfin, K. Dow, R. Meyer, and S. Close. Wiley Publications.

OTHER

- Austin, D. **G. Owen**, S. Curtin-Mosher, M. Sheehan, J. Slack, O. Cuellar, M. Abela, P. Molina, B. Burke, B. McMahan. 2007. *Evaluation of Small Scale Burning of Waste and Wood in Nogales, Sonora: Final Report*. Arizona Department of Environmental Quality.
- Burke, B., B. McMahan, **G. Owen**. 2008. Sustainable university-community partnerships: balancing teaching, research, and action. *Anthropology News* 49(6): 10-11.
- Owen, G.**, K. Averyt, K. Werner. 2010. *Using & Improving the Tools Available at the Colorado River Basin Forecast Center: A toolkit for user engagement*. Tucson, AZ: CLIMAS.
- Shipek, L., M. Wilder, J. Kentnor, **G. Owen**, A. Browning-Aiken, D. Fisher de Leon. 2006. *Drought Beyond Borders: Bilingual Lesson Plans for the Binational Santa Cruz Watershed*. NOAA, Udall Center for Public Policy, CLIMAS, Center for Latin American Studies.
- Trujillo, F. G. Melendrez, **G. Owen**. 2007. Community perspectives on building partnerships with university students. *Practicing Anthropology* 29(3): 9-13.

PRESENTATIONS

- 2015 Improving the Science of Science Policy through Climate Services Evaluation. American Meteorological Society Annual Meeting. Phoenix, AZ, January 6.
- 2014 Using Video to Enhance Efforts for Social Change. Masters in Development Planning Colloquium, University of Arizona. Tucson, AZ, February 25. (invited)
- 2013 Embodying Food and Food Politics in Southern Arizona. Annual Meeting of the Association of American Geographers.

- Los Angeles, CA, April 12.
- 2013 Making Sense – A creative exploration of sensing the world. *Session Organizer*. Annual Meeting of the Association of American Geographers. Los Angeles, CA, April 12.
- 2012 Climate Research, Decision Support, and Outreach: An overview of the CLIMAS program. 2012 CALS Extension Conference. Tucson, AZ, August 15. (*invited*)
- 2012 Social Constructions of Climate Extremes in the U.S. Southwest. Annual Meeting of the Association of American Geographers. New York, NY, February 26.
- 2011 Fire Management and Forecasting Potential: Climate, Perception, and Social Networks. Association of American Geographers. Seattle, WA, April 16.
- 2010 Developing Useful Science: Methods for engaging stakeholders and evaluating integrated climate tools. American Meteorological Society Annual Meeting. Atlanta, GA, January 19.
- 2010 A Toolkit for User Engagement. National Weather Service Water Resources Workshop. Park City, UT, August 4. (*invited*)
- 2010 A Toolkit for User Engagement. National Weather Service Western Region SAFER Workshop. Salt Lake City, UT, May 19. (*invited*)
- 2010 Social Network Analysis and Evaluation of the NSAW Significant Fire Potential Outlook. Boulder, CO, April 20. (*invited*)
- 2010 Applications of Social Science Methods: Evaluation and diffusion of innovations. Southwest Fire Science Consortium Workshop. Tucson, AZ, January 12. (*invited*)
- 2009 Social Network Analysis and Evaluation of the Significant Fire Potential Outlook. National Seasonal Assessment Workshop for Significant Fire Potential. Boulder, CO, April 14.
- 2009 Improving Stakeholder Access to Climate Information: Results from the Southwest Climate Outlook Evaluation. Climate Prediction Applications Science Workshop. Norman, OK, March 24.
- 2009 Diversity in Environmental Education in the Gulf of Mexico: Moving from Ideas to Action, Poster Session, Society for Applied Anthropology. Santa Fe, NM, March 12.
- 2007 Marketing Mysticism and Purchasing Pilgrimage in Cusco, Peru. Rocky Mountain Council on Latin American Studies Conference. Santa Fe, NM, January 23.
- 2006 Marketing Culture and the Sacred in the Peruvian Tourism Industry. Latin American Studies Association Congress, San Juan. Puerto Rico, March 17.
- 2005 In Search of Andean Mystics and Amazonian Curanderos: Spiritual Tourism in Perú. Tinker Symposium on Graduate Field Research in Latin America. Tucson, AZ, November 10.

SERVICE

- 2015 Peer-review for *Weather, Climate and Society*
- 2012-2013 Editor *you are here: a journal of creative geography*.
- 2011-12 President. Southern Arizona Geographers' Association (SAGA)
- 2015, 2012 Proposal Reviewer, Graduate and Professional Student Committee Travel Grants

PROFESSIONAL DEVELOPMENT

Video Production Workshop in Latin America, July 9-16, 2011. Oaxaca, Mexico.

MEMBERSHIP

Association of American Geographers

SKILLS

Language: Spanish, fluent; Introductory knowledge of Portuguese and French.

Computer: Proficient in Microsoft Office (Word, Excel, Power Point, Access), File Maker Pro, EndNote, Internet, and e-mail in Mac OSX and Windows environments; intermediate familiarity with Social Network Analysis packages (Pajek, UCINET, R), NVivo, SPSS, and Adobe Creative Suite.