

## Curriculum Vitae

### David Gregory Casagrande

Professor of Anthropology

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**Updated: January 2024**

#### EDUCATION

**Ph.D.** University of Georgia, Ecological Anthropology, 2002

**Master of Forest Science.** Yale School of Forestry & Environmental Studies, Ecology & Policy, 1996

**B.Sci.** Southern Connecticut State University, Geography, 1983

#### JOURNAL EDITORIAL POSITIONS

**Editor-in-Chief,** Journal of Ecological Anthropology (1999-2003)

**Production Editor,** Journal of Ecological Anthropology (2003-2014)

**Editorial Board,** Journal of Ecological Anthropology (current)

**Topical Editor,** Encyclopedia of the Earth (current)

**Associate Editor,** Journal of Ethnobiology and Ethnomedicine (2005-2017)

#### PROFESSIONAL POSITIONS

Faculty Director, Lehigh Launch Ecuador	2020-2023
Director, Environmental Studies, Lehigh University	2021-2023
Professor of Anthropology, Lehigh University	2019-present
Chair, Department of Sociology & Anthropology, Lehigh University	2017-2020
Research Coordinator, Environmental Initiative, Lehigh University	2012-2021
Associate Professor of Anthropology, Lehigh University	2012-2019
Associate Professor of Anthropology, Western Illinois University	2009-2011
Assistant Professor of Anthropology, Western Illinois University	2005-2009
Post-doctoral Research Associate, Global Institute for Sustainability, Arizona State University	2003-2005
Visiting Instructor, Department of Anthropology, Appalachian State University	Spring, 2003
Ecologist and Policy Analyst, Yale School of Forestry and Environmental Studies, Center for Coastal and Watershed Systems	1995 - 1997
Transportation Planner and Policy Analyst, Connecticut Department of Transportation	1986 - 1992
Senior Transportation Planner, South Central (Connecticut) Regional Council of Governments	1983 - 1986

## PUBLICATIONS

### Ph.D. Dissertation

Ecology, Cognition, and Cultural Transmission of Tzeltal Maya Medicinal Plant Knowledge  
Advisor: Dr. Brent Berlin

### Edited Volumes

Jalbert, K., A. Willow, D.G. Casagrande, and S. Paladino (Eds.). 2017. *Extraction: Impacts, Engagements, and Alternative Futures*. New York: Routledge Press.

Casagrande, D.G. (Ed.). 1997. *Restoration of an Urban Salt Marsh: An Interdisciplinary Approach*. Bulletin No. 100, Yale School of Forestry & Environmental Studies, New Haven, CT.

### Journal Special Issues

Haenn, N., & D.G. Casagrande (Guest Editors). 2007. *Human Organization* special issue on anthropology and environmental policy, Vol. 66, no. 2.

### Peer-reviewed Journal Articles

Siders, A.R., A. Idowu, and D.G. Casagrande. 2021. Transformative Potential of Managed Retreat as Climate Adaptation. *Current Opinion in Environmental Sustainability* 50:272-280.

Pinter, N., M. Ishiwatari, A. Nonoguchi, Y. Tanaka, D.G. Casagrande, S. Durden, and J. Rees. 2019. Large-Scale Managed Retreat and Structural Protection following the 2011 Japan Tsunami. *Natural Hazards* 96(3):1429–1436.

Casagrande, D.G., E. C. Jones, F. S. Wyndham, J. R. Stepp & R. Zarger. 2017. Ecomyopia in the Anthropocene. *Anthropology Today* 33(1):23-25.

Casagrande, D.G., H. McIlvaine-Newsad, & E.C. Jones. 2015. Social Networks of Help-Seeking in Different Types of Disaster Responses to the 2008 Mississippi River Floods. *Human Organization* 74(4):351-361.

Larson, K.L., D.G. Casagrande, S. Harlan, & S. Yabiku. 2009. Residents' yard choices and rationales in a desert city: Social priorities, ecological impacts, and decision tradeoffs. *Environmental Management* 44 (5): 921-937.

Yabiku, S., D.G. Casagrande & E. Farley-Metzger. 2008. Preferences for landscape choice in a Southwestern desert city. *Environment & Behavior* 40: 382-400.

Casagrande, D.G., D. Hope, E. Farley-Metzger, W. Cook, S. Yabiku, & C. Redman. 2007. Problem and opportunity: Integrating anthropology, ecology, and policy through adaptive experimentation in the urban American Southwest. *Human Organization* 66(2):125-139.

Haenn, N., & D.G. Casagrande. 2007. Citizens, Experts, and Anthropologists: Finding Paths in Environmental Policy. *Human Organization* 66(2):99-102.

Hope, D., C. Gries, D. Casagrande, C. L. Redman, N. B. Grimm, & C. Martin. 2006. Drivers of spatial variation in plant diversity across the Central Arizona-Phoenix ecosystem. *Society & Natural Resources* 19(2):101-116.

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- Casagrande, D.G. 2004. Conceptions of primary forest in a Tzeltal Maya community: Implications for conservation. *Human Organization* 63(2):189-202.
- Cook, W., D. Casagrande, D. Hope, P. M. Groffman, & S. L. Collins. 2004. Learning to roll with the punches: Adaptive experimentation in human-dominated systems. *Frontiers in Ecology & the Environment* 2(9): 467-474.
- Stepp, J.R., E.C. Jones, M. Pavao-Zuckerman, D. Casagrande, & R. K. Zarger. 2003. Remarkable properties of human ecosystems. *Conservation Ecology* 7(3): 11
- Casagrande, D.G. 2000. Human taste and cognition in Tzeltal Maya medicinal plant use. *Journal of Ecological Anthropology* 4: 57-69.
- Casagrande, D.G. 1999. Information as verb: Re-conceptualizing information for cognitive and ecological models. *Journal of Ecological Anthropology* 3:4-13.
- Casagrande, D.G. & S. R. Beissinger. 1997. Evaluation of four methods for estimating parrot population size. *Condor* 99:445-457.
- Casagrande, D.G. 1996. A value based policy approach: The case of urban salt marsh restoration. *Coastal Management* 24:327-337.

### Chapters in Edited Volumes

- Casagrande, D.G., & C. Matherly. 2024. Lehigh Launch Ecuador: A Case Study for First Semester Experience Abroad. Pp. 236-257 in *Promoting Intercultural Agility and Leadership Development at Home and Abroad for First-Year Students*, Jon Stauff and Jill E. Blondin (Eds.). Hershey, PA: IGI Global.
- Wolf Tice, J., and D.G. Casagrande. 2021. The Sovereignty Paradox: Negotiating Values Amid Tribal Adaptation to Shale Oil Extraction. Pp. 25-46 in *Global Im-Possibilities: Exploring the Paradoxes of Just Sustainabilities*, Phoebe Godfrey and Mary Buchanan (Eds.). London: Zed Books.
- Cooley, R., and D.G. Casagrande. 2017. Marcellus Shale as Golden Goose: The discourse of development and the marginalization of resistance in Northcentral Pennsylvania. Pp. 46-60 in *Extraction: Impacts, Engagements, and Alternative Futures*, Kirk Jalbert, Anna Willow, David Casagrande, and Stephanie Paladino (Eds.). New York: Routledge Press.
- Jalbert, K., A. Willow, D.G. Casagrande, and S. Paladino. 2017. Introduction: Confronting Extraction, Taking Action. Pp.1-13 in *Extraction: Impacts, Engagements, and Alternative Futures*, Kirk Jalbert, Anna Willow, David Casagrande, and Stephanie Paladino (Eds.). New York: Routledge Press.
- Casagrande, D.G. 2017. Ethnoscience implications of classification as a socio-cultural process. Pp. 55-68 in *Routledge Handbook of Environmental Anthropology*. H. Kopnina & E. Shoreman-Ouimet (Eds.). New York: Routledge Press.
- Casagrande, D.G., & C. Peters. 2013. Ecomyopia meets the longue durée: An information ecology of the increasingly arid Southwestern United States. Pp. 97-144 in H. Kopnina & E. Shoreman (Eds.), *Environmental Anthropology: Future Directions*. New York: Routledge.

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- Casagrande, D.G., & M. Vasquez. 2009. Restoring for cultural-ecological sustainability in Arizona and Connecticut. Pp. 195-209 in Marcus Hall (Ed.), *Restoration and History: The Search for a Usable Environmental Past*. New York: Routledge.
- Rands, G., B. Ribbens, D. Casagrande, & H. McIlvaine-Newsad. 2007. Envisioning an ecologically sustainable society: An ideal type and an application. Pp. 22-59 in S. Sharma, M. Starik & B. Husted (Eds.), *Organizations and the Sustainability Mosaic: Crafting Long-Term Ecological and Societal Solutions*, Edward Elgar Publishing: Cheltenham, UK.
- Casagrande, D.G. 2005. Globalization, migration, and indigenous commodification of medicinal plants in Chiapas, Mexico. Pp. 83-106 in G. Guest (Ed.), *Globalization, Health, and the Environment: An Integrated Perspective*, AltaMira Press.
- Casagrande, D.G. 1997. The full circle: A historical context for urban salt marsh restoration. Pp. 13-40 in D. Casagrande (Ed.), *Restoration of an urban salt marsh: An interdisciplinary approach*. Bulletin No. 100, Yale School of Forestry & Environmental Studies, New Haven, CT.
- Casagrande, D.G. 1997. Values, perceptions and restoration goals. Pp. 62-75 in D. Casagrande (Ed.), *Restoration of an urban salt marsh: An interdisciplinary approach*. Bulletin No. 100, Yale School of Forestry & Environmental Studies, New Haven, CT.
- Lewis, C. & D.G. Casagrande. 1997. Using avian communities to assess salt marsh restoration. Pp. 204-236 in D. Casagrande (Ed.), *Restoration of an urban salt marsh: An interdisciplinary approach*. Bulletin No. 100, Yale School of Forestry & Environmental Studies, New Haven, CT.
- Casagrande, D.G. 1997. The human component of urban wetland restoration. Pp. 254-270 in D. Casagrande (Ed.), *Restoration of an urban salt marsh: An interdisciplinary approach*. Bulletin No. 100, Yale School of Forestry & Environmental Studies, New Haven, CT.

### Encyclopedia entries

- Ribbens, B. A., E. Ribbens, G. Rands, H. McIlvaine-Newsad, & D.G. Casagrande. 2008. "Republic of the Marshall Islands" in *The Encyclopedia of Global Warming and Climate Change*. S. George Philander (Ed.). Sage Press.
- Casagrande, D.G. 2006. "Ethnoecology" in *Encyclopedia of Earth*. Cutler J. Cleveland (Ed.). Environmental Information Coalition, National Council for Science and the Environment.
- Casagrande, D.G. 2005. "Urban Ecology," "Ethnopharmacology," "Cybernetic Modeling," "Steven Pinker," "Venezuela" in *Encyclopedia of Anthropology*. H. James Birx (Ed.). Sage Press.

### Book reviews

- Casagrande, D.G. 2004. Ethnobiology lives! Theory, collaboration, and possibilities for the study of folk biologies. *Reviews in Anthropology* 33(4):351-370.
- Casagrande, D.G. 2002. Animals and Plants of the Ancient Maya: A Guide, by Victoria Schlesinger. *Journal of Ecological Anthropology* 6(1):91-92

### Technical Reports

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- Amanda A., S. Alnajjar, O. Barz, V. Behe, D. Casagrande, J. Cook, M. David, L. Fosbenner, E. Ginis, K. Kernan, A. Kornberger, B. Letts, N. McCallum, S. Smith, and K. Webb. 2019. Packer Avenue Promenade Project: Sustainability Impact Assessment. Lehigh University: Bethlehem, PA.
- Casagrande, D.G. 2014. Ecomyopia and flood adaptation on the Mississippi River. Pp. 41-43 in *World Disasters Report 2014*. Geneva: International Federation of Red Cross and Red Crescent Societies.
- Casagrande, D. G., & H. McIlvaine-Newsad. 2010. Slow Road to Recovery: Small Rural Community Resilience in Illinois after the Mississippi River Floods of 2008: Preliminary Findings. Dept. of Sociology & Anthropology, Western Illinois University, Macomb, IL.
- Casagrande, D.G., B. Ribbens, H. McIlvaine-Newsad & G. Rands. 2007. Acculturation and Environmentalism in the Marshallese Diaspora, Preliminary Findings. Dept. of Sociology & Anthropology, Western Illinois University, Macomb, IL.

### RESEARCH GRANTS AWARDED

- National Science Foundation JST, Humans, Disasters, and the Built Environment Program (Co-principal investigator); \$499,271 granted in January 2024, to study an inclusive human-centered risk management modeling framework for flood resilience in New Jersey and Japan.
- National Science Foundation, IUCRC (Co-principal investigator); \$20,000 awarded January 2024 for planning a multi-institutional Catastrophe Modeling Center.
- Lehigh University, Research Futures Program (Co-Principal Investigator); \$600,000 granted in October 2022 to create a Catastrophe Modeling Center to study infrastructure resilience against disasters, preparedness against epidemics, and increased insurance social equity.
- Lehigh University, Collaborative Research Opportunity Grant (Co-Principal Investigator); \$58,950 granted in 2020 to study the interaction of public perceptions and decisions in response to the COVID-19 pandemic.
- Social Science Extreme Events Research (SSEER) network and the CONVERGE facility at the Natural Hazards Center at the University of Colorado Boulder (Principal Investigator); \$1000 granted in 2020 to establish a working group on Cultural Perceptions of Risk, Behavioral Responses, and Community Resilience in the COVID-19 Pandemic.
- Lehigh University, Collaborative Research Opportunity Grant (Co-Principal Investigator); \$59,600 granted in 2019 to study how the interaction of perceptions and decisions made during disaster recovery influence long-term community resiliency in North Carolina.
- Lehigh University, Faculty Research Grant (Principal Investigator); \$5,089 granted in 2019 to study cultural models of rising sea level in the Chesapeake Bay region.
- Japan Foundation, Center for Global Partnership (Co-Director); \$60,000 granted in 2018 to study managed retreat as a tool for disaster resilience in the US and Japan.
- Lehigh University, Collaborative Research Opportunity Grant (Principal Investigator); \$53,073 granted in 2013 for modeling the effects of hydraulic fracturing for natural gas in Pennsylvania on human quality of life.
- National Science Foundation, Infrastructure Management and Extreme Events Program (Principal Investigator); \$60,313 granted in 2012 for geospatial modeling of pro-active flood mitigation in the rural Midwest.

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- National Science Foundation, Small Grants for Exploratory Research (Principal investigator); \$19,699 granted in 2008 to research the resiliency of rural communities in the wake of the 2008 Mississippi River floods.
- National Science Foundation, Research Experience for Undergraduates supplemental program (Principal investigator); \$3,944 granted in 2010 for undergraduate research on the effects of identity and quality of life on relocation decisions after the 2008 Mississippi River floods.
- National Science Foundation, Long-Term Ecological Research Program (Co-Principal Investigator); \$1,027,985 granted in 2010 to study urban sustainability in the dynamic environment of central Arizona.
- Western Illinois University, University Research Council (Principal investigator); \$5,000 granted in 2006 to study environmental values and ecological sustainability among migrants from the Marshall Islands
- National Science Foundation, Decision Making under Uncertainty Program (Senior Personnel); \$7,503,929 granted in 2004 to create a “Decision Center for a Desert City” in Phoenix AZ; research to include human perceptions and the science and policy of climate uncertainty.
- Arizona State University, College of Liberal Arts and Sciences Multi-Investigator Proposal Development Grant (Co-Principal Investigator with S. Yabiku); \$11,820 granted 2004 to study cognitive perception of landscapes, habitat conservation and water scarcity in Metropolitan Phoenix, Arizona.
- National Science Foundation Doctoral Dissertation Improvement award (Principal investigator); \$11,855 granted in 2000 to research the ecology, cognition and cultural transmission of medicinal plant knowledge in Chiapas, Mexico.
- National Science Foundation Ethnographic Research Training Grant (Principal investigator); \$1,817 awarded 1998 to study ethnobiology and cultural models of primary-forest in Chiapas, Mexico.
- Center for Latin American and Caribbean Studies Dissertation Travel Award (Principal investigator), University of Georgia; \$1,174 granted 1999 to research Tzeltal Maya taste classification and medicinal plant use in Chiapas, Mexico.
- Connecticut Sea Grant College Program (Principal investigator); \$14,000 awarded 1995 to survey environmental values of coastal resources.
- Tropical Resources Institute (Principal investigator), Yale University; \$2,500 awarded 1994 to evaluate methods for estimating parrot populations in Venezuela.
- Center for Tropical Bird Studies (Principal investigator); \$300 awarded 1994 to evaluate methods for estimating parrot populations in Venezuela.

## EDUCATIONAL GRANTS

### Collaborator

- U.S. Dept. of Education, Fund for the Improvement of Postsecondary Education (Collaborator); \$ 220,000 granted 2008 to create a Brazilian-U.S. student exchange program fostering socially, environmentally, and economically sustainable entrepreneurship.

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### TEACHING EXPERIENCE

Tenured	Environmental Initiative and Department of Sociology & Anthropology, Lehigh University (since Spring 2012)
Tenure-track	Department of Sociology & Anthropology, Western Illinois University (2005-2011)
Visiting Instructor	Department of Anthropology, Appalachian State University (Spring 2003)
Teaching Assistant	Department of Anthropology, University of Georgia (Fall 1999, Spring 2000),
Instructor	Wildlife Census Methods Workshop (Summer 1994), Yale School of Forestry & Environmental Studies
Instructor	Piano and music theory (private practice 1983-1993)

### CONFERENCE ACTIVITIES

#### Conference organizing activities

Session Chair. Teaching and Learning in Varied Post-Secondary Contexts. Annual Meeting of the Society for Applied Anthropology. March 28-April 1, 2023. Cincinnati OH.

Conference Co-chair. Endemic Watershed Connections: Place, Preservation, Restoration. Lehigh University. March 14, 2023. Bethlehem, PA.

Roundtable Discussant. Managed Retreat: Global Lessons for Success 2022 International Forum. National Academies of Sciences. April 8, 2022. Washington, DC.

Session Organizer and Chair. From Passivity to Panic: Responding to Climate Change in the United States. Annual Meeting of the Society for Applied Anthropology. March 17-21, 2020. Albuquerque, NM.

Program Committee. Annual Meeting of the Society for Applied Anthropology. April 3-7, 2018. Philadelphia, PA.

Session Organizer and Chair. Sustainable Futures of Chesapeake Communities Facing Relative Sea-level Rise. Annual Meeting of the Society for Applied Anthropology. April 3-7, 2018. Philadelphia, PA.

Session Organizer and Discussant. Harvey, Irma, and why anthropology matters for science and climate change. Annual Meeting of the American Anthropological Association. November 29-December 3, 2017. Washington, DC.

Roundtable Discussant. Extraction anthropology: Where we're going and why it matters. Annual Meeting of the American Anthropological Association. November 29-December 3, 2017. Washington, DC.

Session Chair. Climate Change, Adaptation, and Development. Annual Meeting of the Society for Applied Anthropology. March 28-April 1, 2017. Santa Fe, NM.

Session Chair. Risk & Culture in Disaster Contexts: Comparisons and Contradictions. Annual Meeting of the Society for Applied Anthropology. March 29-April 2, 2016. Vancouver, BC.

Roundtable Discussant. Extraction: Impacts, Engagements and Alternative Futures. Annual Meeting of the Society for Applied Anthropology. March 29-April 2, 2016. Vancouver, BC.

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- Session Organizer and Chair. Push, Pull and Pushback: from Historical Context to Current Impacts and Political Resistance in US Fossil Fuel Extraction. Annual Meeting of the Society for Applied Anthropology. March 24-28, 2015. Pittsburgh, PA.
- Session Discussant. Bringing the Response Back In: Anthropology of Disaster Response. Annual Meeting of the Society for Applied Anthropology. March 18-22, 2014. Albuquerque, NM.
- Session Organizer and Chair: Environment and migration. Engaging research, policy and advocacy in a world of change. Annual Meeting of the Society for Applied Anthropology. March 25-29, 2008. Memphis, TN.
- Conference Chair. Central Arizona Phoenix Long-Term Ecological Research 7th Annual Poster Symposium. January 19, 2005. Tempe, AZ.
- Session Organizer and Chair. Manipulative experiments with in situ human subjects: Ethics, logistics, and experimental design. First General Scholarly Meeting of the Society for Anthropological Sciences. February 23-27, 2005. Santa Fe, NM.
- Presidential Session Chair and Co-organizer. Gregory Bateson and the Science of Mind and Pattern. Annual Meeting of the American Anthropological Association. Dec. 15-19, 2004. Atlanta, GA.
- Session Co-organizer: Human ecosystems: Trajectories, information, and organization. Annual Meeting of the Ecological Society of America. August 1-6, 2004. Portland, OR.
- Conference Chair: Central Arizona Phoenix Long-Term Ecological Research 6th Annual Poster Symposium. February 23, 2004. Tempe, AZ.
- Session Chair. Issues in Ethnography. Annual Meeting of the Society for Applied Anthropology. March 6-11, 2002. Atlanta, GA.

### Conference and meeting papers (\*designates presenter)

- Casagrande, D.G. 2023. Impediments to Managed Retreat and Success of Community-based Relocation in the US. At What Point Managed Retreat? Habitability and Mobility in an Era of Climate Change. Columbia University. Columbia Climate School. June 20-23. New York, NY.
- Casagrande, D.G. 2023. Lehigh Launch Ecuador: An Immersive First-semester Pedagogy. Annual Meeting of the Society for Applied Anthropology. March 28-April 1. Cincinnati, OH.
- Casagrande, D.G. 2021. Impacts of COVID-19 on Perceptions of Community. Annual Meeting of the Society for Applied Anthropology. March 23-27, 2021. Virtual.
- Lampman, A.,\* and D.G. Casagrande.\* 2021. Social and Cultural Barriers to Climate-Induced Relocation on the Chesapeake. Annual Meeting of the Society for Applied Anthropology. March 23-27, 2021. Virtual.
- Ungson, N. D.,\* D.J. Packer, J.K. Marsh, D. Abrahams, D.G. Casagrande, and A.J. Lamadrid. 2021. Rising to the challenge: Community disruptions due to COVID-19 are associated with feelings of rallying around common purpose. Society for Personality and Social Psychology Annual Conference. February, 2021.
- Ishiwatari, M.,\* N. Pinter, D.G. Casagrande, A. Nonoguchi, Y. Tanaka, and S. Durden. 2020. Relocation programs: Making resilient communities through involvement of diversified groups in



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- Japan and the US. The 8th International Conference on Flood Management. August 9-11, 2021. Iowa City, Iowa.
- Pinter, N.,\* M. Ishiwatari, A. Nonoguchi, Y. Tanaka, D.G. Casagrande, and S. Durden. 2019 Structural and Non-Structural Strategies for Flood Control: Case Studies from Japan and the US. Geological Society of America Annual Meeting. September 22-25, 2019. Phoenix, AZ.
- Casagrande, D.G., and S. Friedman, S.\* 2018. Any news is good news: The importance of access to local information for ameliorating psychological stress about shale gas development risks in rural Pennsylvania. Annual Meeting of the Society for Risk Analysis. December 2-6, 2018. New Orleans, LA.
- Lampman A.,\* and D.G. Casagrande.\* 2018. Mr. President “Build Your Wall Right Here”: Managed Retreat is Defeat. Annual Meeting of the Society for Applied Anthropology. April 3-7, 2018. Philadelphia, PA.
- Kirstin Webb,\* Aaron Lampman, and David Casagrande. 2017. Rising Tides: Risk Perception of Sea Level Rise on the Eastern Shore of Maryland. Annual Meeting of the American Anthropological Association. November 29-December 3. Washington, DC.
- Pinter, Nicholas,\* David Casagrande, and Nicholas Santos. 2017. Managed Retreat and Flood-Risk Mitigation through Community Relocation. Seventh International Conference on Flood Management. Sept. 5-7. Leeds, UK.
- Casagrande, D.G.,\* and E. Marino. 2017. An Ethnographic Evaluation of US Relocation Policy in the Era of Climate Migration. Annual Meeting of the Society for Applied Anthropology. March 28-April 1. Santa Fe, NM.
- Wolf Tice, J.\* and D.G. Casagrande. 2017. Under the Earth Lodge: Ethical Extraction of Place-Based Community. Annual Conference of the Association for Environmental Studies and Sciences. June 21-24. Tucson, AZ
- Casagrande, D.G,\* H. McIlvaine-Newsad, and N. Pinter. 2016. Cultural and Hydrological Intersections of Flood Risk, Perceptions, and Mitigation in the Rural Midwest US. Annual Meeting of the Society for Applied Anthropology. March 29-April 2. Vancouver, BC.
- Casagrande, D.G,\* N. Pinter and H. McIlvaine-Newsad. 2015. Perceptions and realities of flood risk and mitigation in the Midwest US: An interdisciplinary approach. Annual Meeting of the Society for Risk Analysis. December 6-10. Arlington, VA.
- Casagrande, D.G. 2015. Well-being while Being among Wells: Psychosocial Stress in the Pennsylvania Marcellus Shale Gas Boom. Annual Meeting of the Society for Applied Anthropology. March 24-28, 2015. Pittsburgh, PA.
- Cooley, R.,\* and D.G. Casagrande.\* 2015. Marcellus Shale as the Golden Goose: The Political Discourse of Development, Regulation, and the Marginalization of Resistance in Northcentral Pennsylvania. Annual Meeting of the Society for Applied Anthropology. March 24-28, 2015. Pittsburgh, PA.
- McIlvaine-Newsad, H., D.G. Casagrande,\* and E.C. Jones. 2015. In It Together: Mining Discursive Data for Social Networks in Flood Response. Annual Meeting of the Society for Applied Anthropology. March 24-28, 2015. Pittsburgh, PA.

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- Casagrande, D.G.,\* E.C. Jones, F.S. Wyndham, J.R. Stepp, and R. Zarger. 2014. Ecomyopia in the Anthropocene. Annual Meeting of the American Anthropological Association. December 3-7. Washington, DC.
- Stepp, J.R.,\* D.G. Casagrande, E.C. Jones, F.S. Wyndham, and R.K. Zarger. 2014. Anthropocene Information Ecology: A Case Study from the Everglades. Annual Meeting of the American Anthropological Association. December 3-7. Washington, DC.
- Casagrande, D.G. 2014. Impacts of Marcellus Shale Gas Development on Quality of Life in Pennsylvania. SUNY Conversations in the Disciplines Symposium: The Implications of Hydraulic Fracturing for Creating Sustainable Communities. April 10-11. Binghamton, NY.
- Casagrande, D.G. 2014. Methodological Issues Regarding Tzeltal Maya Consensus about Medicinal Plant Names, Properties, and Uses. Annual Meeting of the Society for Anthropological Science. March 18-22. Albuquerque, NM.
- Benoit, G., D. Casagrande,\* S. Anisfeld, E. Schultz, C. Lewis. 2013. Interdisciplinary Before-After Control-Impact Study of Tidal Restoration on the West River, New Haven, CT. Long Island Sound Biennial Research Conference. April 19. Port Jefferson, NY.
- Casagrande, D.G.,\* H. McIlvaine-Newsad, and N. Pinter. 2013. Wet and Wild: Gaps between policy and socio-ecological reality in Mississippi River flood mitigation. Annual Meeting of the Society for Applied Anthropology. March 19-23. Denver, CO.
- Pinter, N.,\* E. Ellison, D.G. Casagrande, and C. Anz. 2012. Geomorphology applied: The 2011 Mississippi River flood and The Olive Branch flood recovery initiative. Annual Meeting of the Geological Society of America. November 4-7. Charlotte, NC.
- Casagrande, D.G.\* and H. McIlvaine-Newsad. 2012. Crossing disciplinary boundaries to achieve proactive flood mitigation along the Mississippi. Annual Meeting of the Society for Applied Anthropology. March 27-31. Baltimore, MD.
- Casagrande, D.G. 2011. Cultural and cognitive mnemonics of hot versus cold classification in Tzeltal Maya medicinal plant knowledge. 34th Annual Meeting of the Society of Ethnobiology. May 4-7. Columbus, OH.
- Casagrande, D.G.\* and H. McIlvaine-Newsad. 2010. Cultural Models, Problem Definition and Mississippi River Flood Policy. Annual Meeting of the Society for Applied Anthropology. March 24-27. Merida, Mexico.
- McIlvaine-Newsad, H. and D.G. Casagrande.\* 2010. Slow Recovery: Rural Communities and Resilience After the Mississippi Floods. Annual Meeting of the Society for Applied Anthropology. March 24-27. Merida, Mexico.
- Casagrande, D.G.\* and H. McIlvaine-Newsad. 2009. Slow road to recovery: Farming community resilience after the Mississippi floods. Annual Meeting of the Rural Sociological Society. July 30-August 2. Madison, WI.
- Rands, G.,\* D. Casagrande, and A. Patrick. 2008. Building A Campus Sustainability Effort at a Regional Public University: A Five Year Retrospective. Biennial Conference of the Association for the Advancement of Sustainability in Higher Education. November 9-12. Durham, NC.

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- Casagrande, D.G.,\* H. McIlvaine-Newsad, G. Rands, and B.A. Ribbens. 2008. Ecological sustainability and Marshallese migration. Annual Meeting of the Society for Applied Anthropology. March 25-29. Memphis, TN.
- Ribbens, B.A.,\* H. McIlvaine-Newsad, D.G. Casagrande and G. Rands. 2007. Women's roles in sustainability: Leadership based on a matriarchal culture. Center for Women's InterCultural Leadership Conference. April 26-28. Notre Dame, IN
- Casagrande, D.G. 2007. Residential landscape preferences in the Phoenix Oasis. Annual Meeting of the Society for Applied Anthropology. March 27-31. Tampa Bay, FL
- Casagrande, D.G.,\* and M. Vasquez. 2006. Using ecological restoration to achieve human ecosystem sustainability. University of Zurich, Institute of Environmental Sciences, Transatlantic workshop: "Restoring or Renaturing: The Presence of the Past in Ecological Restoration." July 9-11. Zurich, Switzerland
- Casagrande, D. G.,\* D. Hope, E. Farley-Metzger, W. Cook, S. Yabiku, and C. Redman. 2006. Problem and opportunity: Integrating anthropology, ecology, and policy in the urban American Southwest. Annual Meeting of the Society for Applied Anthropology. March 28-April 2. Vancouver, BC.
- Rands, G.,\* B. Ribbens, D. Casagrande, and H. McIlvaine-Newsad. 2006. Envisioning an Ecologically Sustainable Society: Development and Application of a Framework. Academy of Management Annual Meeting. Aug. 11-16. Atlanta, GA.
- Farley Metzger, E.,\* S. Yabiku, P. Gober, D. Casagrande, C. Redman, N. Grimm, S. Harlan. 2005. Landscaping Preference in a Desert City, Implications for Water Use. Society for Human Ecology 20th Anniversary Conference. Oct. 13-16. Salt Lake City, UT.
- Casagrande, D. G. 2004. Bateson, Festinger and the recursive role of cognitive dissonance in social organization. Annual Meeting of the American Anthropological Association. Dec. 15-19. Atlanta, GA.
- Casagrande, D. G. 2004. Resilience as information redundancy versus discontinuity across organizational scales of human ecosystems. Annual Meeting of the Ecological Society of America. August 1-6. Portland, OR.
- Casagrande, D. G. 2003. Social variables in manipulative experiments in human-dominated ecosystems. Long Term Ecological Research Network, All Scientists Meeting. Sept. 18-21. Seattle, WA.
- Casagrande, D. G. 2002. Measuring agreement within Tzeltal Maya ecological knowledge. Annual Meeting of the Society for Applied Anthropology. March 6-11. Atlanta, GA.
- Casagrande, D. G. 2001. Variability in Tzeltal Maya medicinal plant selection: A comparison between two communities. Annual Meeting of the Society for Applied Anthropology. March 28-31. Merida, Mexico.
- Casagrande, D. G. 2000. Cognitive aspects of Tzeltal Maya medicinal plant selection. Annual Meeting of the American Anthropological Association. Nov. 15-19. San Francisco, CA.
- Casagrande, D. G. 1999. Tzeltal knowledge of relict primary-forest: Implications for conservation. Annual Meeting of the Society for Applied Anthropology. April 20-25. Tucson, AZ.

## David G. Casagrande

Casagrande, D. G. 1999. The role of Ethnobotany in drug discovery within the Maya International Collaborative Biodiversity Group. Annual Meeting of the Association of University Technology Managers. March 4-6. San Diego, CA.

### Invited Lectures

Know When to Hold Them. Know When to Fold Them. Opportunities and Challenges of Managed Retreat and Community-based Relocation in Response to Climate Change in Watersheds and Coastal Areas. Lehigh Valley Watershed Coalition Conference. March 14, 2023.

Public Perceptions of Risk and Managed Retreat from Floodplains in Response to Climate Change. Friends of the Lehigh Libraries Lecture Series. February 21, 2023.

Diverse Communities and Effective Risk Communication in COVID-19. 45th Annual Natural Hazards Research and Applications Workshop. July 12-15, 2020

Managed Retreat as Adaptation to Climate Change. American Society of Adaptation Professionals. December 3, 2019.

Managed Retreat in Response to Climate Change in the US. University of Delaware Department of Geography Seminar Series. October 4, 2019.

Cultural Perceptions of Sea-Level Rise and Managed Retreat on the lower Eastern Shore, MD. Eastern Shore Land Conservancy. April 21, 2018 (with Aaron Lampman).

Policy implications of unconventional shale gas development impacts on quality of life in Pennsylvania. Capstone presentation for the “Community & Psychosocial Effects of Oil & Gas Development” webinar, Center for Environmental Health and Southwest Pennsylvania Environmental Health Project. March 14, 2016

Creating futures in the Anthropocene: Contemplations on our past and impending ecological transitions. Lambda Alpha Honors Society. Washington College. April 4, 2014.

Casagrande, D.G.,\* H. McIlvaine-Newsad, G. Rands, and B.A. Ribbens. 2007. Sustaining interdisciplinary research: A case study of synergy in researching environmental sustainability. Second Annual WIU Faculty Research Symposium. October 26. Macomb, IL

Casagrande, D. G. 2004. Bridging the gap: Linking perceptions, sociality and behavior in ecological research and environmental policy. Arizona State University Department of Sociology Colloquium Series. April 23. Tempe, AZ.

Values, perceptions and urban river restoration goals. American Rivers 3rd National Urban Rivers Symposium & Awards. Washington, DC. June 12-14, 1997.

### Conference and meeting posters (\*designates presenter)

Jacobson, E.,\* D. Sahagian, K. Beck Pooley, and D. Casagrande. 2018 Assessing the Impacts of Significant Environmental Events in Attitudes Towards Flood Mitigation Policies. Association for Environmental Studies and Sciences Conference. June 20-23, 2018. Washington, DC.

Willis, K.,\* and D.G. Casagrande. 2015. Understanding Motivation to Remain in Floodplains through Local Identity. Upper Mississippi River Conference. October 14-16, 2015. Davenport, IA.

## David G. Casagrande

- Kuck, S.,\* D.G. Casagrande, D. Rohall, and E. Ribbens. 2011. Examining wild edible plant knowledge: A valid cultural domain in Illinois, USA. 34th Annual Meeting of the Society of Ethnobiology. May 4-7. Columbus, OH.
- Casagrande, D.G.\* and H. McIlvaine-Newsad. 2009. Social resilience after the 2008 Mississippi River floods and implications for long term socio-ecological sustainability. Visions of a Sustainable Mississippi River conference. August 10-13. Collinsville, IL.
- Martin, C., D. Casagrande,\* S. Yabiku, M. McHale, and S. Earl. 2009. Evaluation of four ecosystem services provided by experimental residential neighborhood landscapes in Mesa, Arizona. Long Term Ecological Research Network All Scientists Meeting. September 14-16. Estes Park, CO.
- Yabiku, S.\*, D. Casagrande, and E. Farley-Metzger. 2008. Landscape Treatment and Residents' Satisfaction: Results from Wave 2 of the North Desert Village Social Survey. Central Arizona Phoenix LTER 10th Annual Research Poster Symposium. January 10. Tempe, AZ.
- Yabiku, S., D. Casagrande,\* and E. Farley-Metzger. 2007. Effects of Weather on Neighborhood Human Activity. Central Arizona Phoenix LTER 9th Annual Research Poster Symposium. January 10. Tempe, AZ.
- Casagrande, D.,\* S. Yabiku, E. Farley-Metzger, D. Hope, C. Gries, K. Larson, and N. Grimm. 2006. Effects of landscape manipulation on human behavior, knowledge, and social organization in an urban ecosystem. Annual Meeting of the Ecological Society of America. August 1-6. Memphis, TN.
- Larson, K.,\* R. Servis, S. Yabiku, S. Harlan, D. Casagrande, E. Farley-Metzger, and L. Larson. 2006. Landscape Preferences in the Arid Southwest: Comparative Results from the Phoenix Area Social Survey and North Desert Village. Central Arizona Phoenix LTER 8th Annual Research Poster Symposium. February 17. Tempe, AZ.
- Farley Metzger, E.,\* S. Yabiku, P. Gober, D. G. Casagrande, C. L. Redman, N. B. Grimm, and S. Harlan. 2005. Initial Findings of the North Desert Village Landscaping Experiment: The Green, Green Grass of Home. Central Arizona Phoenix LTER 7th Annual Research Poster Symposium. January 19. Tempe, AZ.
- Cook, W.,\* D. G. Casagrande, D. Hope, C. Martin, and J. Stutz. 2004. The North Desert Village 'Suburbosphere': An experiment in urban ecology. Central Arizona Phoenix LTER 6th Annual Research Poster Symposium. February 23. Tempe, AZ.
- Farley Metzger, E.,\* S. Yabiku, P. Gober, D. G. Casagrande, C. L. Redman, N. B. Grimm, and S. Harlan. 2004. North Desert Village Landscaping Experiment: Monitoring Human-Environment Interactions. Central Arizona Phoenix LTER 6th Annual Research Poster Symposium. February 23. Tempe, AZ.

## AWARDS AND RECOGNITIONS

Stabler Award for Excellence in Teaching	2017
Robert C. and Virginia L. Williamson Award for Social Research	2015
Honorary Member, Phi Eta Sigma Honor Society	2010

## David G. Casagrande

Fellow, Society for Applied Anthropology	2007
University of Georgia Graduate School Dissertation Completion Fellowship	2001
Honorary Life Member, Land Trust of West Haven, CT	1997
Connecticut Sea Grant College Program Fellowship	1995
James L. Goodwin Memorial Scholarship, Connecticut Forest and Parks Association	1993

### **PROFESSIONAL SOCIETIES**

American Anthropological Association  
Social Science Extreme Events Research (SSEER) Network  
Society for Risk analysis  
Society for Applied Anthropology (Fellow)  
Society for Anthropological Sciences (Founding Member)  
Society for Ethnobiology