

Margaret V. du Bray
Curriculum Vitae

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Education

- 2017-2018 National Science Foundation EPSCoR MILES Post-doctoral researcher,
Department of Sociology, Criminology, and Social Work, Idaho State University
- 2017 Ph.D., Sociocultural anthropology, Arizona State University
Dissertation: “Cross-cultural approaches to understanding the emotional
geographies of climate change,” Co-chairs: Dr. Amber Wutich and Dr. Shauna
BurnSilver
- 2015 M.A., Sociocultural anthropology, Arizona State University
- 2012 B.A., Anthropology *with honors* (Biology and Politics, minors), Whitman College
Honors Thesis: “Fear and the Coming Plague: What American Media Tell Us
About Infectious Disease”

Professional Appointments

- 2018-2020 Visiting Assistant Professor, Environmental Studies Program, Augustana College

Teaching Experience

- Visiting Assistant Professor, Augustana College, Environmental Studies Program
- 2020 ENVR 382 Social Change for a Sustainable World
ENVR 401 Capstone Experience I
ENVR 383 Political Ecology of the Land
- 2019 ENVR 100 Sustainability: The Ecological Dimensions
ENVR 100L Sustainability: The Ecological Dimensions (Lab) x2
ENVR 402 Capstone Experience II
ENVR 402L Capstone Experience II Lab
FYI 100 Introduction to the Liberal Arts
FYI 101 First Year Inquiry
ENVR 100 Sustainability Problems and Solutions I
ENVR 100L Sustainability Problems and Solutions I (Lab)
ENVR 200 Sustainability Problems and Solutions II
ENVR 200L Sustainability Problems and Solutions II (Lab)
ENVR 201 Sustainability Problem Solving: Methods
ENVR 202 Sustainability Seminar I
- 2018-2019 ENVR 452 Sustainability Capstone III
ENVR 451 Sustainability Capstone Lab
ENVR 380 Social Change and Sustainability Special Topics: Disaster!
- 2018 ENVR 100 Sustainability Problems and Solutions I
ENVR 101 Sustainability Problems and Solutions I (Lab)
FYI 101 First Year Inquiry: Rhetoric and the Liberal Arts

Course Instructor, Idaho State University, Department of Sociology, Criminology, and Social
Work

- 2017 SOC 6603 Qualitative Data Analysis. Instructors: Dr. Morey Burnham, **Dr. Margaret du Bray** (In person & online)
- 2017 Independent Study – Environmental Social Science. Instructor: **Dr. Margaret du Bray** (In person)
- Course Instructor, Arizona State University, School of Human Evolution and Social Change
- 2016 ASB 191 First Year Seminar. Instructors: Dr. Megan Jehn, **Margaret du Bray** (In person)
- 2016 ASB 498 Topic: Global Mental Health. Instructors: Dr. Amber Wutich, **Margaret du Bray**, Ashley Hagaman (Hybrid)
- 2015 ASB 498 Topic: Global Mental Health. Instructors: Dr. Amber Wutich, **Margaret du Bray** (Hybrid)
- Guest Lecturer, Idaho State University, Department of Sociology, Criminology, and Social Work
- 2017 SOC 3308 Sociological Methods and Social Work Research. Instructor: Dr. Katrina Running
- Guest Lecturer, Arizona State University, School of Human Evolution and Social Change
- 2016 ASB 375 Humans in the Environment. Instructor: Dr. Shauna BurnSilver
- 2015 ASB 452/SSH 402 Community Partnerships in Global Health. Instructor: Dr. Monica Gaughan
- Graduate Teaching Assistant, Arizona State University, School of Human Evolution and Social Change
- 2015-2017 ASB 484 Undergraduate Research Apprenticeship. Instructors: Drs. Amber Wutich and Alexandra Brewis-Slade (In person)
- 2016 ASB 300 Food and Culture. Instructors: Drs. Amber Wutich and Jonathan Maupin (Online)
- 2016 ASB 100 Introduction to Global Health. Instructor: Dr. Megan Jehn (Online)
- 2015 ASB 100 Introduction to Global Health. Instructors: Drs. Daniel Hruschka and Amber Wutich (Online)
- 2015 ASB 327 Disaster! Instructor: Dr. Amber Wutich (Online)
- 2014 ASB 100 Introduction to Global Health. Instructors: Drs. Megan Jehn and Daniel Hruschka (Online)

Student Advising

- Christian Elliott, (anticipated 2020), Undergraduate Researcher
- Claudia Maldonado, (anticipated 2020), Undergraduate Researcher
- Monet Niesluchowski, 2018, Undergraduate Researcher
Post-graduation: Fulbright Scholar, Mongolia
- Austin Smith, 2017, Honors Committee Second Reader
Post-graduation: M.A. in Science of Health Care Delivery; Medical (M.D.) student at St. George's University School of Medicine
- Tory Prynne, 2017, Honors Committee Third Reader
Post-graduation: Medical (M.D.) student at University of Arizona
- Ainsley Pfeiffer, 2017, Undergraduate Researcher
Post-graduation: Fulbright Scholar, India

Emma (Dooley) Hawkins, 2016, Honors Committee Second Reader
Post-graduation: Physician Assistant (P.A.) student at Midwestern University
Taylor Strei, 2016, Undergraduate Researcher
Post-graduation: Research Coordinator, University of Alberta

Grants and Awards

2019 York University New Frontiers In Research Fund: Preparing for increased wildfire activity: Protecting public safety when evacuation options are limited. PI: Eric Kennedy (York University), CAD \$191,750. Role: Co-principal investigator. *Not funded.*

2018 EPSCoR Distinguished Scholar Award in Science Communication

2017 Nominated for the Junior Scholar Award of the Anthropology and Environment Society

2017 National Science Foundation (NSF) SES – Decision, Risk, and Management Science RAPID: Harvey and Irma Warnings and Evacuations: Documenting Ephemeral Institutional Knowledge to Inform a Forecast Model of Hurricane Evacuation Decisions. PI: Joshua Watts (Arizona State University). \$199,955. Role: Senior personnel. Submitted 10/6/17. *Not funded.*

2017 National Science Foundation (NSF) Sociology: Differential Impacts and Perceived Justice of Agricultural Water Use Restrictions in Idaho. PI: Katrina Running (Idaho State University). \$150,000. Role: Senior personnel. Submitted 8/15/2017. *Not funded.*

2017 United States Department of Agriculture (USDA): Measuring feedbacks between farmer adaptation to irrigation water restrictions, landuse change, and water availability in southeast Idaho. PI: Morey Burnham (Idaho State University). \$149,993. Role: Co-project director. Submitted 7/13/2017. *Funded.*

2016 Recipient of the Society for Anthropological Sciences American Anthropology Association Meeting Travel Award

2016 Nominated for Arizona State University’s Graduate and Professional Student Association Teaching Excellence Award

2016 Winner of the AAAS Student Poster Competition in Social Sciences

2015 Graduate Research Committee Research Award, School of Human Evolution and Social Change

2014-2015 Dissertation funded under National Science Foundation Award SES-0951366

Internal Funding

2019 Freistat Center grant to support bringing Juaquin Hamilton and the Youngbird Dance Troupe to Augustana College as part of an initiative to increase discussions of indigenous studies on campus. With Michelle Wolff. *Funded*, \$5,000.00

2019 Jaeke Family Life grant to support bringing Juaquin Hamilton and the Youngbird Dance Troupe to Augustana College as part of an initiative to increase discussions of indigenous studies on campus. With Michelle Wolff. *Funded*, \$2,000.00

Research Interests

Environmental, Ecological, and Economic Anthropology; Cross-cultural Anthropology; Qualitative Research Methods; Hazards and Disasters; Climate Change; Resource Management; Stakeholder Engagement

Manuscripts

Hawes, J., Z. Ma, M. Burnham, and **M.V. du Bray** Social Vulnerability in the Eastern Snake Plain: Interactions and Feedbacks in Multi-Scalar Adaptation to Water Scarcity. In preparation for submission to *Global Environmental Change*.

M. V. du Bray, M. Burnham, and K. Running. Hydrologic Shifts, Lifeway Shifts: Changing policy and lifeways in Idaho's Eastern Snake Plain Aquifer. In preparation for submission to *Human Organization*.

K. Running, M. Burnham, C. Wardropper, Z. Ma, J. Hawes, and **M.V. du Bray**. Farmer adaptation to reduced groundwater availability. Under review at *Environmental Research Letters*.

K. Running, M. Burnham, and **M.V. du Bray**. Fairness in Common-Pool Resource Access: Reactions to New Agricultural Water Use Restrictions in Idaho. *Environmental Sociology* DOI: 10.1080/23251042.2019.1643548.

M. V. du Bray, R. Stotts, A. Wutich, A. Brewis. (2019). Challenges to the Ecosystem Services Valuation Paradigm: Local and Cross-cultural Perspectives. *Economic Anthropology* DOI: 10.1002/sea2.12128.

A. Brewis, A. Wutich, **M.V. du Bray**, J. Maupin, R. Schuster, and M. Gervais. (2018). Community hygiene norm violators are consistently stigmatized: Evidence from four global sites and implications for sanitation interventions. *Social Science and Medicine* DOI: 10.1016/j.socscimed.2018.10.020.

M.V. du Bray, M. Burnham, K. Running, V. Hillis. (2018). Who governs groundwater? Adaptive governance, (de)centralization, and the role of the state in new groundwater management policies. *Water Alternatives* 11(3): 533-551.

M.V. du Bray, A. Wutich, K.L. Larson, D.D. White, A. Brewis. (2018). Anger and Sadness: Emotional Geographies of Climate Threats in Four Island Nations. *Cross-cultural research* DOI: 10.1177/1069397118759252.

M.V. du Bray, A. Wutich, K.L. Larson, D.D. White, A. Brewis. (2017). Emotion, Coping, and Climate Change in Island Nations: Implications for Environmental Justice. *Environmental Justice* DOI: 10.1089/env.2016.0025

M.V. du Bray, A. Wutich, A. Brewis. (2017). Hope and Fear: Gendered Emotional Geographies of Climate Change in Three Vulnerable US Communities. *Weather, Climate and Society* 9(2): 285-297.

M. Palta, **M.V. du Bray**, R. Stotts, A. Wutich, A. Wolf. (2016). Ecosystem Services and Disservices for a Vulnerable Population: Findings from Urban Waterways and Wetlands in an American Desert City. *Human Ecology* 44(4): 463-478.

Research and Professional Experience

- 2014-2015 Research Associate, Decision Center for a Desert City
2014 Research Associate, Central Arizona Phoenix Long-Term Ecological Research Project
2013 Student Grader, School of Human Evolution and Social Change.
2012 Intern, School for Field Studies: Tropical Rainforest Studies, Yungaburra, Queensland, Australia.
2011 Research Assistant, Neolithic and Chalcolithic archaeological excavation, Wisad Pools, Jordan. Drs. G. Rollefson and Y. Rowan, dirs.

Presentations

Panel Organizer

- 2018 Compelling Conservation: Cultural Benefits and Value of Ecosystems. Double panel at the 78th Annual Meeting of the Society for Applied Anthropology. April 3-7, 2018. Philadelphia, PA. Dr. Rhian Stotts, co-organizer.
2017 Resettlement, Loss, and Hope: Responses to Climate Change. Disaster Topical Interest Group Panel at the 77th Annual Meeting of the Society for Applied Anthropology. March 28-April 1, 2017, Santa Fe, NM.
2016 Earth, Wind, and Fire: Disaster in the American West. Disaster Topical Interest Group Panel at the 76th Annual Meeting of the Society for Applied Anthropology, March 29-April 2, 2016, Vancouver, B.C.

Conference Papers

- 2019 *Hydrological Shifts, Lifeways Shifts: Changing Policy and Lifeways in Idaho's Eastern Snake Plain Aquifer*. Paper presented at the 79th Annual Meeting of the Society for Applied Anthropology, March 19-23, Portland, OR. **M. du Bray**, M. Burnham, K. Running.
2018 *"We've been through worse": Farmer adaptive capacity to reduced water access*. Paper presented at the 78th Annual Meeting of the Society for Applied Anthropology, April 3-7, 2018, Philadelphia, PA. **M. du Bray**, M. Burnham, K. Running, V. Hillis.
2018 *Who governs groundwater? Polycentricity, (de)centralization, and the role of the state in new groundwater management policies*. Paper presented at the Annual Meeting of the Society for Economic Anthropology, March 1-3, 2018, Tempe, AZ. **M. du Bray**, M. Burnham, K. Running, and V. Hillis.
2017 *Governance, Fairness, and Adaptive Capacity in Groundwater Curtailment*. Paper presented at the Semi-Annual Meeting of the National Groundwater Foundation Conference, October 24-26, 2017, Boise, ID. **M. du Bray**, K. Running, M. Burnham, V. Hillis.
2017 *Bringing Emotion into Climate Change in Four Island Nations*. Paper presented at the 77th Annual Meeting of the Society for Applied Anthropology, March 28-April 1, Santa Fe, NM. **M. du Bray**, A. Wutich, K. Larson, D. White, A. Brewis.
2016 *Cross-cultural approaches to Understanding the Emotional Geographies of Climate Change*. Paper presented at the 115th Meeting of the American Anthropological Association, November 16-20, 2016, Minneapolis, MN. **M. du Bray**, A. Wutich, A. Brewis.
2016 *The Water is Rising Quick: Climate Change and Emotional Geographies*. Paper

Presented at the 76th Annual Meeting of the Society for Applied Anthropology, March 29-April 2, 2016, Vancouver, British Columbia. **M. du Bray**, A. Wutich, R. Stotts, A. Brewis.

2015 *The Tide is Turning: The Emotional Geographies of Communities Affected by Climate Change*. Paper presented at the 114th Annual Meeting of the American Anthropological Association, November 18-22, 2015, Denver, CO. **M. du Bray**, A. Wutich, R. Stotts, A. Brewis.

2015 *Can ecosystem services do more harm than good for vulnerable populations? Use of urban wetlands by homeless populations in a Desert City*. Paper presented at the 75th Annual Meeting of the Society for Applied Anthropology, March 24-28, 2015, Pittsburgh, PA. **M. du Bray**, M. Palta, R. Stotts, A. Wutich.

Conference Posters

2018 *Environmental valuations and ecosystem services: top-down versus bottom-up derivations of environmental values*. Poster presented at the Society for Economic Anthropology Annual Meeting, March 1-4, 2018, Phoenix, AZ. R. Stotts, **M. du Bray**, M. Beresford, A. Wutich, A. Brewis.

2017 *Who governs groundwater? Polycentricity, (de)centralization, and the role of the state in new groundwater management policies*. Poster presented at the 116th Annual Meeting of the American Anthropological Association, November 29-December 3, 2017, Washington, D.C. **M. du Bray**, M. Burnham, K. Running.

2016 *The Emotional Geographies of Climate Change in Three U.S. Contexts*. Poster presented at the 182nd Annual Meeting of the American Association for the Advancement of Science Meeting, February 11-15, 2016, Washington D.C. R. Stotts, **M. du Bray**, A. Wutich, A. Brewis.

2015 *Public Perceptions of Wastewater Treatment and Reuse in Phoenix, AZ: Results of the Global Ethnohydrology Survey*. Poster presented at the 181st Annual Meeting of the American Association of the Advancement of Science, February 12-16, 2015, San Jose, CA. **M. du Bray**, R. Stotts, J. Rice, P. Westerhoff, A. Wutich, A. Brewis.

Additional Education

2018 Tribal Sovereignty and Research Workshop
Pocatello, ID. Workshop presented by the Coeur d'Alene tribe in collaboration with the Shoshone-Bannock tribe

2015 Summer Institute for Research Design in Cultural Anthropology
Beaufort, NC. Three-week course, funded by the National Science Foundation

Professional Service

2019- Campus Sustainability Committee, Augustana College

2018 Bystander Intervention Trainer, Augustana College

2018 Planning Committee, Society for Economic Anthropology International
Conference on Water and Society

2015-2017 Senior Thesis Reader and Committee Member

2015-2017 Graduate Student Representative to the University Hearing Board

2014-2015 Sociocultural Anthropology Representative, Association of All Graduate Students

Community Outreach

- 2019 Supervised student outreach and research in Morrison, IL and Geneseo, IL
2018 “Anthropologists Connect Water History with the Economics and Governance of Today’s Supplies.” Article written for CWEA E-Bulletin Highlights
2017 ASU’S Night of the Open Door “From Toilet to Tap”
2016 ASU’S Night of the Open Door “From Toilet to Tap”

Referee/Reviewer

Case Studies in the Environment, Geoforum, Society and Natural Resources, World Development

Professional Associations

American Anthropological Association
 Environment and Anthropology Section
 Society for Economic Anthropology Section
Society for Applied Anthropology
 Risk and Disaster Topical Interest Group (TIG)