

## McMahan - Curriculum Vitae

### J Benjamin McMahan [Ben McMahan]

Arizona Institutes for Resilient Environment and Societies (AIRES)  
School of Anthropology, Bureau of Applied Research in Anthropology (BARA)  
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### Chronology of Education

Ph.D. 2014, Sociocultural Anthropology – School of Anthropology, University of Arizona

*Dissertation Title:* “Risk, Luck, and Resiliency: Hurricanes and Disaster on the US Gulf Coast”. *Co-Chairs:* Dr. Mark Nichter & Dr. Diane Austin

M.S. 2004, Sociocultural Anthropology – Idaho State University

*Thesis:* “TB and HIV/AIDS: Mapping the Social Topographies of Disease and Illness in NYC”. *Advisor:* Dr. Elizabeth Cartwright

Post Baccalaureate Certificate in Geosciences (GIS/RS), 2002. Idaho State University.

*Focus area:* GIS & Remote Sensing for Natural Resources

BA, 2000. Cultural Anthropology – University of Nebraska Lincoln

*Minors:* Biology, History, Photography

### Chronology of Employment

- 2018 – Present **Assistant Research Scientist** – Bureau of Applied Research in Anthropology, University of Arizona School of Anthropology
- 2017 – Present *Affiliated Faculty:* **Assistant Professor of Anthropology (non-tenure eligible)**, University of Arizona School of Anthropology
- 2014 – Present **Assistant Research Scientist** - Climate Assessment for the Southwest (CLIMAS), University of Arizona Institute of the Environment
- 2013 – 2015 **Research Consultant** - Borderlands Restoration, Patagonia, AZ
- 2011 – 2014 **Online Editor, Research Consultant** – Quit Tobacco International (Fogarty Intl.), University of Arizona School of Anthropology
- 2007 – 2013 **Graduate Research Associate, Community Ethnographer** – Bureau of Applied Research in Anthropology – Univ. of Arizona
- 2007 – 2012 **Online Editor**, Society for Medical Anthropology
- 2007 – 2012 **Graduate Teaching Associate** – Univ. of Arizona Dept of Anthropology
- 2010 – 2011 **Instructor**, Univ. of Arizona Dept of Anthropology
- 2005 – 2010 **Graduate Research Assistant** Univ. of Arizona Dept of Anthropology
- 2004 – 2005 **Research Associate** – Idaho State Univ. Hispanic Health Projects (HHP)
- 2001 – 2004 **GIS and Remote Sensing Analyst** - Idaho State Univ. Dept of Geosciences

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### Honors and Awards

- 2017-2019 Faculty Fellow, Agnese Nelms Haury Program in Environment and Social Justice
- 2014 - SBSRI Dissertation Completion Fellowship
- 2011 - Diebold Research Fellowship
- 2010 – Department of Anthropology New Online Course Development Award
- 2007 – Stanley R Grant Award
- 2007 – SBS Outstanding Teaching Assistant Award
- 2006 – Comins Fellowship
- 2006 – Traditions, Transitions and Treasures Award

### Service/Outreach

#### Local/State Outreach

- Lead Editor and Author: CLIMAS Southwest Climate Outlook (SWCO) (2014-Present)
- Producer/Editor/Co-Host: CLIMAS Southwest Climate Podcast. (2014-Present)
- Online Editor and Author: Southwestern Oscillations (CLIMAS Blog) (2014-Present)
- Planning Committee/Presenter: Pima County OEM Hazard Mitigation Workshop, Pima County Office of Emergency Mgt./Preparedness, Tucson, AZ (2018)
- Member: Lower San Pedro Working Group (2018 – present)
- Planning Committee/Presenter: Bureau of Reclamation - “High-Low” Workshop, Tucson, AZ (2016)

#### National/International Outreach

- Planning Committee: Climate Prediction Applications Science Workshop, Phoenix, AZ (2020)
- Planning Committee: Arizona Drought/Health Workshop, Tucson, AZ (2020)
- Conference Session Organizer: Communities in Transition: Ethnographic Perspectives on Economic and Social Change. Society for Applied Anthropology, Portland, OR. (2019)
- Conference Session Organizer: Reflexivity in Environmental Politics. American Anthropological Association, Washington, DC. (2018)
- Workshop Lead/Organizer: Raspberry Pi for Home Air Quality Monitoring - Instituto Tecnológico de Nogales (ITN), Nogales, Sonora, Mexico (2018)
- Workshop Lead/Organizer: Arduino and Backyard Air Quality Monitors - Instituto Tecnológico de Nogales (ITN), Nogales, Sonora, Mexico (2018)
- Conference planning committee: NOAA Regional Integrated Sciences and Assessments Annual Meeting. Tucson, AZ. (2016)
- Conference Session Organizer: Compounded Risks and Heightened Vulnerabilities: The Offshore Petroleum Industry in the Gulf of Mexico. Society for Applied Anthropology, Merida, Mexico (2010)
- Guest Co-Editor (with N. Glantz): Practicing Anthropology. Special Issue: Mapping Communities: Strengthening Research Through Participatory GIS. (2007)
- Conference Session Organizer: The Medical Anthropology-Map Merger: Harnessing GIS For Participatory Health Research. Society for Applied Anthropology, Tampa, FL (2007)

#### National/International Committees

- Co-Chair Communications Committee: Society for Medical Anthropology (2010-2012)
- Award Committee Chair Society for Medical Anthropology (2010, 2012)

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- Ex-Officio board member: Society for Medical Anthropology (2007-2012)
- Webmaster, co-organizer: Critical Anthropology of Global Health-SMA Working Group (2007-2009)

### Ad-Hoc Peer Review

*Journals:* Arizona Anthropologist, Journal of Environmental Anthropology, Environment and Planning B, Human Organization, Climate Services, Climatic Change

### University Committees and Educational/Outreach Activities

- College of Public Health Undergraduate Research Intern Preceptor/Mentor (2019)
- Workshop Organizer/Presenter: Data Visualizations for Research and Design - BARA Undergraduate Intern Program (2019)
- Workshop Organizer/Presenter: Participatory Mapping for Community Based Research - BARA Undergraduate Intern Program (2018, 2019)
- BARA Research Faculty Hiring Committee, School of Anthropology (2018)
- CLIMAS Graduate Fellowship Mentoring (8 students, 2018-present)
- Graduate Student Committee Member, School of Anthropology (1: PhD, 1: MA, 2018-present)
- Co-lead: Bureau of Applied Research in Anthropology Student Intern Program (2018-present)
- Graduate Research Academic Mentoring (5 students, 2015-present)
- Undergraduate, Post-Baccalaureate, and Graduate Research Project Mentoring/Supervision (3 PhD, 1 MA, 8 undergraduates, 2015-present)
- CLIMAS Climate & Society Graduate Fellows Review Committee (2014 – Present)
- University of Arizona Institute of the Environment Strategic Planning Committee (2014 - 2015)

### Book Chapters

1. **McMahan, Ben.** 2015 – *The Anthropocene: Reading the Environment*. Ch 11.3 in *The Routledge Handbook of Medical Anthropology*. Lenore Manderson, Elizabeth Cartwright, and Anita Hardon, Eds. (Invited, Peer Reviewed)
2. **McMahan, Ben** & Mark Nichter. 2011 - *What does Medical Anthropology Contribute to Environmental Health*. Commissioned chapter in *Encyclopedia of Environmental Health*, Jerome Nriagu (ed.). Elsevier, February 2011 (Invited, Peer Reviewed)

### Referreed Articles (\*\*denotes student mentored)

1. Crimmins, M., **B. McMahan**, W. Holmgren. (In prep) *Using volunteer observers to characterize fine-scale precipitation patterns across a western U.S. metropolitan area*. Climate Services.
2. **McMahan, B.** and A. Gerlak. (Accepted with revisions) – *Climate risk assessment for adaptation in the electrical utility sector*. Climate Risk Management.
3. Owen, G., D. Ferguson, & **B. McMahan**. 2019 – *Contextualizing climate science: applying social learning systems theory to knowledge production, climate services, and use-inspired research*. Climatic Change 157(1):151-170.
4. Gerlak, Andrea, J. Weston\*\*, **B. McMahan**, RL Murray\*\*, M Mills-Novoa\*\*. 2018 – *Climate Risk Management and the Electricity Sector*. Climate Risk Management 19: 12-22.
5. **McMahan, Ben** & David Seibert. 2011 - *Dearth and Deluge: Sustaining Lives and Livelihoods under Threat* - Anthropology News 52(4).

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6. **McMahan, Ben**, Brian Burke, & Gigi Owen. 2008 - *Sustainable University-Community Partnerships: Balancing Teaching, Research and Action*. Anthropology News 49(6)
7. **McMahan, Ben**. 2007 - *Participatory Mapping for Community Environmental Health Assessment on the US-Mexico Border*. Practicing Anthropology 29(4):34-38.
8. Glantz, Namino & **Ben McMahan**. 2007 - *Merging Formative Research with GIS Mapping to Address Elder Health in Chiapas, Mexico*. Practicing Anthropology 29(4):6-14. (Co-Edited Volume w/ N Glantz)
9. Stocks, Anthony, **Ben McMahan** & Peter Taber. 2007 - *Indigenous, Colonist, and Government Impacts on Nicaragua's Bosawas Reserve*. Conservation Biology 21(6):1495-1505.
10. **McMahan, Ben**, Joel Sauder, & Keith Weber. 2002 Using Remotely Sensed Data in Urban Sprawl and Green Space Analyses. Intermountain Journal of Science 8:1.

### Invited/Edited Academic Online

1. **McMahan, Ben**. 2017 - What if both lines go down? Embedded vulnerability in the U.S. Southwest electrical grid. *Platypus: The CASTAC blog*. April 21, 2017. <http://blog.castac.org/2017/04/what-if-both-lines-go-down-embedded-vulnerability-in-the-u-s-southwest-electrical-grid/>
2. **McMahan, Ben**. 2017 - Harvey, Vulnerability, and Resilience in Context on the Gulf Coast. *Platypus: The CASTAC blog*. Sept 1, 2017. <http://blog.castac.org/2017/09/hurricane-context/>
3. **McMahan, Ben**. 2013 - Disaster: Provocation. *Cultural Anthropology* website, March 11, 2013. <https://culanth.org/fieldsights/144-disaster-provocation>

### Edited Technical Reports & Grey Literature

1. **McMahan, Ben**, MB. Stephenson, J. Doss, R. Phillipone, S. Hofstadter. 2019 – *Assessing Temporal and Spatial Variability in Community and Parish-Level Responses to Oil Spills and Other Events in Coastal Louisiana: Summary Report of Summer 2019 Field Activities*. Interim Report – Bureau of Ocean Energy Management, New Orleans, LA.
2. **McMahan, Ben**, and R Phillipone. 2019 – *Assessing Temporal and Spatial Variability in Community and Parish-Level Responses to Oil Spills and Other Events in Coastal Louisiana - Summary Report of 2018-2019 Field Activities Lafayette Parish*. Bureau of Ocean Energy Management, New Orleans, LA.
3. McMahan, Ben, MB Stephenson, D Austin, & R Phillipone. 2018 – *Assessing Temporal and Spatial Variability in Community and Parish-Level Responses to Oil Spills and Other Events in Coastal Louisiana. Summary Report of Summer 2018 Field Activities*. Bureau of Ocean Energy Management, New Orleans, LA.0
4. Gerlak, Andrea K. & **Ben McMahan**. 2017 - *Climate Risks and Impacts for The Regional Utility Sector: Results of a Collaborative Research Process with Tucson Electric Power* Report to University of Arizona office of Research, Discovery and Innovation. Tucson, AZ: CLIMAS 53pp.
5. Meadow, Alison, E. McNie, J. Berggren, R. Norton, **B. McMahan**, G. Owen, L. Rae. 2016 - *NOAA Western Region Climate Service Providers Database Development and Preliminary Analysis*. Report to NOAA Western Region. Boulder, CO: Western Water Assessment.
6. Garfin, G., S. LeRoy, **B. McMahan**, M. Black, and B. Roh. 2016 – *Preparing for High Consequence, Low Probability Events: Heat, Water & Energy in the Southwest*. Report to the U.S. Bureau of Reclamation, from the project Enhancing Water Supply Reliability. Tucson, AZ: Institute of the Environment, 30 p.

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7. **McMahan, Ben** & Lauren Penney. 2014 – *Risk and Responsibility: Occupational Health in the Fabrication and Shipbuilding Industry –in Gulf coast communities and the fabrication and shipbuilding industry: a comparative community study, Volume III: Technical papers.* (McGuire, Tom, Austin, Diane, Drexel Woodson, eds.) Dept. of the Interior, Bureau of Ocean Energy Management, Gulf of Mexico OCS Region, New Orleans, LA. OCS Study BOEM 2014-611. 241 pp.
8. **McMahan, Ben.** 2014 – *Cones of Uncertainty: The Nature of Business in Hurricane Country – in Gulf coast communities and the fabrication and shipbuilding industry: a comparative community study, Volume III: Technical papers.* (McGuire, Tom, Austin, Diane, Drexel Woodson, eds.) Dept. of the Interior, Bureau of Ocean Energy Management, Gulf of Mexico OCS Region, New Orleans, LA. OCS Study BOEM 2014-611. 241 pp.
9. **McMahan, Ben.** 2014 – *Impact of Hurricanes on the Deepwater Horizon Disaster – in MMS/BOEM Project Interim Report chapter,* Diane Austin, Ed.
10. **McMahan, Ben,** J Theriot, J Stockley & J Lajaunie. 2012 – *Community Ethnographic Profile: East St. Mary Parish Country – in Fabrication and Shipbuilding MMS/BOEM Project Final Report* (grey literature, government document)
11. **McMahan, Ben,** J Theriot, J Stockley & J Lajaunie. 2012 – *Community Ethnographic Profile: Port Arthur/Orange Country – in Fabrication and Shipbuilding MMS/BOEM Project Final Report* (grey literature, government document;)
12. **McMahan, Ben.** 2009 - *Cones of Uncertainty: The Nature of Business in Hurricane Country.* Minerals Management Service Information Transfer Meeting Conference Proceedings, New Orleans, LA January 2009.
13. Stocks, Anthony, **Ben McMahan** & Peter Taber. 2004 - *Use of Remote Sensing Data to Compare the State of the Forest Under Indigenous/Mestizo Management In the Bosawas International Biosphere Reserve, Nicaragua.* Nature Conservancy Report.
14. **McMahan, Ben,** C. Witt, K.T. Weber. 2004 – *GAP analysis ground-truthing in southeastern Idaho – Idaho State University GIS Training & Research Center, Pocatello, ID.*
15. Keith T. Weber, **B. McMahan,** G. Russell. – *Effect of livestock grazing and fire history on fuel load in sagebrush-steppe rangelands.* Idaho State University GIS Training & Research Center, Pocatello, ID.
16. Keith T. Weber, **B. McMahan,** G. Russell. 2004 – *Effect of livestock grazing and fire history on fuel load in sagebrush-steppe rangelands.* Idaho State University GIS Training & Research Center, Pocatello, ID.
17. Keith T. Weber, **B. McMahan,** P. Johnson, G. Russell. 2003 – *Modeling lightning as an ignition source of rangeland wildfire in southeastern idaho –Idaho State University GIS Training & Research Center, Pocatello, ID.*
18. Keith T. Weber, **B. McMahan.** 2002 – *Field collection of fuel load and vegetation characteristics wildfire risk assessment modeling: 2002 field sampling report –Idaho State University GIS Training & Research Center, Pocatello, ID*
19. **McMahan, Ben,** D. Narsavage, K.T. Weber. 2002 – *The "pole cam": corroborating field estimations with high spatial resolution imagery – Idaho State University GIS Training & Research Center, Pocatello, ID*
20. **McMahan, Ben,** C. Witt, K.T. Weber. 2002 – *Validation alternatives for classified imagery– Idaho State University GIS Training & Research Center, Pocatello, ID*
21. **McMahan, Ben,** C. Witt, K.T. Weber. 2002 – *Fuzzy classification of heterogeneous vegetation in a complex arid ecosystem – Idaho State University GIS Training & Research Center, Pocatello, ID.*
22. **McMahan, Ben,** K.T. Weber. 2002 – *Wildfire risk model validation– Idaho State University GIS Training & Research Center, Pocatello, ID:*

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### Websites, Films, and Podcasts

1. The EcoCasa in Nogales, Sonora, Mexico / La EcoCasa en Nogales, Sonora. [nogalesecocasa.arizona.edu](http://nogalesecocasa.arizona.edu) Webmaster: **B. McMahan**
2. Fiske, S., S Crate, D. Kann, D. Stuart, LJ Johnston, L. Paskus, **B. McMahan**, & B. Debuys. 2017. A Changing Climate: How Will the Southwest Survive. *Podcast* at the Society for Applied Anthropology Public Day. Santa Fe, NM.
3. Climate Assessment for the Southwest. [www.climas.arizona.edu](http://www.climas.arizona.edu). Webmaster: **B McMahan**
4. **McMahan, B.**, L. Badiane, A. Scott, K. Peterson. 2008. Visualizing Change: Emergent Technologies in Social Justice Inquiry and Action, Part II: Participatory Mapping and Visual Arts. *Podcast* at the Society for Applied Anthropology, Memphis, TN.
5. **McMahan, Ben.** 2006 – ARAN 10-year anniversary retrospective. *Short film* in conjunction with the Bureau of Applied Research in Anthropology (BARA) and the Asociacion de Revegetation en Ambos Nogales (ARAN)
6. **McMahan, Ben.** 2003 – Two Barriers – Rivers and Railroads in a Western Town. *Short Film* presented at the Idaho “Spud-Dance” Independent Film Festival, Dec 17, 2003.

### Scholarly Presentations

1. **McMahan, Ben.** 2019 – [panel organizer/presenter] *Diversify or Follow a Well-Worn Path: Inertia and Adaptation in Community and Economic Development*. Society for Applied Anthropology, Portland, OR.
2. Ferguson, Dan, G. Owen and **B. McMahan.** 2018 – Ongoing Regional Climate Assessment as a Social Learning System: Examples from the US Southwest, AGU 2018
3. **McMahan, Ben.** 2018 [invited] – *Climate Services Provider Database, Provider Survey, and Future Directions. A multi-phase project in collaboration with NOAA West*. NOAA West Annual Meeting, Seattle, WA.
4. **McMahan, Ben.** 2018 – *Risk and Opportunity in the Southwest: Climate Risk Assessment in Collaboration with an Electrical Utility*. National Council on Science and the Environment (NCSE), Washington, DC.
5. **McMahan, Ben.** 2017 – [organizer/panelist] *Conceptual disconnects and spatial/temporal mismatches: Exploring connections between climate science and policy/practice in the U.S. Southwest*. American Anthropological Association, Washington, DC.
6. **McMahan, Ben.** 2017 – [invited panelist] *Anthropological Insights from ‘Climate Assessment for the Southwest’ (CLIMAS)* Society for Applied Anthropology, Santa Fe, NM.
7. **McMahan, Ben.** 2017 – [invited] *Southwest Climate Outlook & Assessments –Outreach for Drought/Climate Impacts*. NIDIS Intermountain West Drought Early Warning System Workshop, Boulder, CO.
8. **McMahan, Ben.** 2016 – *Extreme Heat Risk: Policy Implications and Local Practice in the Southwest* (Submitted Paper/Panel) Society for Applied Anthropology, Vancouver, BC, Canada.
9. **McMahan, Ben.** 2016 [invited] – *Extreme Heat Risk: Policy Implications and Local Practice in the Southwest*. Society for Applied Anthropology, Vancouver, British Columbia, Canada.
10. **McMahan, Ben.** 2015 – *Hurricanes and Disaster: Vulnerability and Resilience in Social Networks, Institutions, and Infrastructure Along the U.S. Gulf Coast*. American Association of Anthropology, Denver, CO.
11. **McMahan, Ben.** 2015 – *Health, Vulnerability, and the Cascading Effects of Climate Extremes: Collaborative Research in the SW* (Invited Paper/Panel) RISA Annual Meeting, Charleston, SC.
12. **McMahan, Ben.** 2015 – *Building A Regional Climate Database: Applications for Research, Collaboration, and Public Engagement* (Submitted Paper/Panel) American Meteorological

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- Society, Phoenix, AZ.
13. **McMahan, Ben.** 2012 – *Rendered Abstract: Ecobiopolitics and Neoliberal Logics, Post Hurricane Recovery and Questions of Responsibility and Sustainability* (Submitted Paper/Panel) American Association of Anthropology, San Francisco, CA
  14. **McMahan, Ben.** 2011 – *Expanding the Influence of Applied Anthropology: Hitting the Ground Running: Hurricane Response and Recovery on the US Gulf Coast* “. (Submitted Paper/Panel) Society for Applied Anthropology, Seattle, WA
  15. **McMahan, Ben.** 2010 – *Hurricanes - “Not If, But When?” - Sustainability and Preparedness in the Dynamic Risk Environment of the US Gulf Coast.* (Submitted Paper/Panel) American Anthropological Association, New Orleans, LA.
  16. **McMahan, Ben,** Peter Taber, & Dana Osborne. 2010 – *Social Gaming and Music Ideologies.* (Poster). American Anthropological Association, New Orleans, LA.
  17. **McMahan, Ben.** 2010 – *Risk, Luck, and Resiliency - Hurricane Response and Recovery in US Gulf Coast Fabrication and Shipbuilding Communities.* (Author/Panel-Organizer, Submitted Paper/Panel). Society for Applied Anthropology, Merida, MX.
  18. **McMahan, Ben,** Peter Taber, & Dana Osborne. 2009 – *Face to Face, Face to Screen: The Mediated Performance of Guitar Hero.* (Submitted Poster). American Anthropological Association, Philadelphia, PA.
  19. **McMahan, Ben.** 2009 - *Cones of Uncertainty: Community Response to Hurricane Risk and Disaster in the US Gulf Coast.* Society for Applied Anthropology, Santa Fe, NM.
  20. Prakash, Preetam & **Ben McMahan.** 2009 - *Growing Them In-House. Contemporary Developments in Training Procedures and Work Culture on the Gulf Coast.* Society for Applied Anthropology, Santa Fe, NM. (Submitted Paper/Panel; Prakash, co-author)
  21. **McMahan, Ben.** 2009 - *Cones of Uncertainty: The Nature of Business in Hurricane Country.* Minerals Management Service Information Transfer Meeting, New Orleans, LA. (Invited Paper/Panel)
  22. **McMahan, Ben.** 2008 - *Participatory GIS Mapping in Environmental Health Research, Education, & Outreach.* Society for Applied Anthropology, Memphis, TN. (Submitted Paper/Panel)
  23. **McMahan, Ben** & Brian Burke. 2007 - *Participatory Mapping for Community Environmental Health Assessment on the US-Mexico Border.* Society for Applied Anthropology, Tampa, FL. (Organizer: Submitted Paper/Panel)
  24. Glantz, Namino & **Ben McMahan.** 2007 - *Merging Formative Research with GIS Mapping to Address Elder Health in Chiapas, Mexico.* Society for Applied Anthropology, Tampa, FL. (Organizer: Submitted Paper/Panel)
  25. Bourgois, Phillipe, Dan Ciccarone, & **Ben McMahan.** 2004 - *Black Tar Heroin Use May Explain Lower HIV Prevalence among Injection Drug Users in the Western United States.* 15th International AIDS Conference, Bangkok, Thailand. (Poster, D Ciccarone and P Bourgois, Co-Authors)
  26. **McMahan, Ben.** 2003 - *TB and HIV/AIDS: Mapping the Social Topographies of Disease and Illness.* American Anthropological Association, Chicago, IL, (Submitted Paper)
  27. Cartwright, Elizabeth & **Ben McMahan.** 2003 - *Action Anthropology and Social Justice: At What Level Intervention?* American Anthropological Association, Chicago, IL, (Submitted Paper/Panel; E Cartwright, Co-Author)
  28. **McMahan, Ben.** 2003 - *TB and HIV/AIDS: Intersecting Epidemiology and Anthropology Using GIS Technology.* ESRI International Health GIS Users Conference, Arlington, VA (Submitted Poster).
  29. **McMahan, Ben.** 2003 - *TB and HIV/AIDS: Mapping Disease and Illness in New York City,* NY. Kasiska College of Health Professions Conference, Pocatello, ID. (Submitted Poster)
  30. **McMahan, Ben.** 2002 - *MS Thesis Research Presentation.* Idaho State University

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Colloquium, Pocatello, ID. (Invited lecture)

**Misc. McMahan, Ben.** 2001-2003 - 5 papers presented as part of the Idaho State University Land Cover Change, Wildfire Effects on Rangeland Ecosystems, and Invasive Species Monitoring Projects. 10 posters as part of work on Idaho State University Land Cover Change, Wildfire Effects on Rangeland Ecosystems, and Invasive Species Monitoring Projects.

### Community Presentations

1. **McMahan, Ben.** 2019 [invited] *Why Anthropology? 20 years of Work in the Gulf of Mexico*. South Louisiana Community College, New Iberia, LA.
2. **McMahan, Ben.** 2018 [invited] – *Climate Environment Technology - Small Computing/Sensors for Environmental Research*. Environmental Research Showcase – Nogales High School, Nogales, AZ.
3. **McMahan, Ben.** 2018 [invited] – *Predicciones de temperatura: causas y consecuencias del cambio climático*. Universidad Tecnológica de Nogales (UTN), Nogales, Sonora, Mexico.
4. **McMahan, Ben.** 2018 [invited] – *Desafíos ambientales, tecnología e investigación colaborativa*. Instituto Tecnológico en Nogales (ITN), Nogales, Sonora, Mexico.
5. **McMahan, Ben.** 2018 [invited] – *Connecting UA/CLIMAS Research to Hazard Mitigation*. Pima County Multi-Jurisdictional Hazard Mitigation Stakeholder Workshop, Tucson, AZ, Oct 11, 2018.
6. **McMahan, Ben.** 2018 [invited] – *Visualization & Analysis Tools for the North American Monsoon – Integrating Citizen Science Data and Observations*. Pima County Multi-Jurisdictional Hazard Mitigation Stakeholder Workshop, Tucson, AZ, Oct 11, 2018.
7. **McMahan, Ben.** 2018 [invited] – *Predicciones de temperatura e impactos climáticos*. Energías renovables y su impacto en el medio ambiente, Universidad Tecnológica de Nogales. Nogales, Sonora, Mexico.
8. **McMahan, Ben.** 2016 [invited] – *Results from the High Impact / Low Probability Workshop*. Pima County Office of Emergency Management Working Group. Tucson, AZ.
9. **McMahan, Ben.** 2016 – *Drought & Climate (Change): a focus on the Southwest* (Invited) NOAA Citizen Engagement and Education Planning Workshop, Phoenix, AZ.
10. **McMahan, Ben.** 2015 – *Implications for Natural & Cultural Resources from Climate Change* (Invited) Saguaro National Park Climate Friendly Parks Workshop, Tucson, AZ.
11. **McMahan, Ben,** G. Garfin & S. Leroy. 2015 - Communicating Information About Extreme Events (and Climate) Frameworks, Strategies, and Examples - Western Adaptation Alliance Extreme Events Database Workshop

### UA Intramural Presentations

1. **McMahan, Ben.** 2019 [invited] – *Connecting Community Based Research Collaborations and Research Priorities* – NSF Broader Impacts Panel Discussion, University of Arizona, Tucson, AZ.
2. **McMahan, Ben.** 2019 – *Visualization & Analysis Tools for the North American Monsoon – Research and Applications*. CLIMAS Colloquium – Urban research projects, Tucson, AZ, Mar 13, 2019.
3. **McMahan, Ben.** 2018 – *Drought & Climate Vulnerabilities and Priorities in Southern Arizona*. CLIMAS Colloquium – Drought/Impact Research (NIDIS), Tucson, AZ, Oct, 2018.
4. **McMahan, Ben.** 2018 – *The Southwestern Monsoon – Data Analysis and Research Applications*. CLIMAS Colloquium – The Southwestern Monsoon, Apr 27, 2018, Tucson, AZ.
5. **McMahan, Ben.** 2018 – [invited] *Qualitative Climate Risk Assessments for the Private Sector: Examples from The Arizona Business Resilience Initiative (ABRI)*. UA Institute for Energy Solutions Panel, Tucson, AZ.

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6. **McMahan, Ben**, S. Leroy, A. Webb, G. Garfin. 2018 – [co-organizer] *CLIMAS / Southwest Climate Science Center Colloquium - Fire in the Southwest Today*. Tucson, AZ.
7. **McMahan, Ben**. 2017 [invited] – *Climate Impacts in the Southwest – Why Anthropology?* University of Arizona School of Anthropology Lecture Series, Tucson, AZ.
8. **McMahan, Ben**. 2017 – *Heat and vulnerability in the U.S. Southwest - Assessing connections between social and environmental risks across multiple timescales*. CLIMAS colloquium, Health Research.
9. **McMahan, Ben**. 2017 – *Qualitative Climate Risk Assessments for the Utility Sector - An example from the Arizona Business Resilience Initiative*. CLIMAS colloquium Spring 2017
10. **McMahan, Ben**. 2016 [invited] – *Climate Outreach & Engagement - General Framework & Applications*. IRAP/CIMH Workshop, Tucson, AZ.
11. **McMahan, Ben**. 2016 [invited] – *Closing Panel at the College of Public Health 10th Annual Social Justice Symposium - No One is Immune: Social Justice, Climate Change, and Health - April 15 2016*

### Awarded Grants & Contracts

- **2019-2022 Co-PI (\$2,101,958)** *Climate, Culture, Movement: Navigating Decision-Making in a Shifting Landscape for a Resilient United Houma Nation*. NASEM Gulf Research Program (Maureen Lichtveld, Lead PI, Tulane Univ.).
- **2019-2020 Co-PI (\$135,000)** *GHG Reduction Goal Collaboration with the University of Arizona, Institute of the Environment*. Tucson Electric Power, Tucson AZ
- **2018-2019 PI (\$24,856)** *Innovative Visualization & Analysis Tools for the North American Monsoon – Connecting Citizen Science Data and Observations for Research, Policy, and Decision Support*. University of Arizona Faculty Research Development Grant.
- **2017-2020 Co-Investigator**. *Assessing Temporal and Spatial Variability in Community and Parish-Level Responses to Oil Spills and Other Events in Coastal Louisiana*. Bureau of Ocean Energy Management (Diane Austin, Lead PI, University of Arizona)
- **2017-2018 PI (\$25,000, \$10,000 UA)**. NOAA-West Strategic Priorities for Climate Services Assessment, *NOAA Western Region & CU Boulder*.
- **2017-2019 Faculty Fellow. (\$78,000)** *Citizen Science Environmental Monitoring and Assessment: Opportunities for Collaborative Community Based Research*. Agnese Nelms Haury Program in Environment and Social Justice, University of Arizona
- **2017-2022 Co-Investigator (D. Ferguson, Lead-PI). (\$3,727,990 total, McMahan budget: \$144,072)** NOAA Climate Program Office's Regional Integrated Sciences and Assessments (RISA) Program, NOAA- OAR-CPO-2017-2005017
- **2016-2019 PI (\$29,738)**. Sustained Assessment Specialist Collaborative Research on Climate Vulnerability Assessments. *NOAA Climate Program Office's Regional Integrated Sciences and Assessments (RISA) Program & CU Boulder*.
- **2015-2017 Co-Investigator. (A. Gerlak, Project Lead) (\$108,000)** UA Office of Research and Discovery, Collaborative Research on Climate Risk and Business Resilience. *An Initiative to Support Arizona's Business Community in Managing Climate Risk*
- **2015-2017 Project Lead. (~\$50,000 project budget)** NOAA Climate Program Office's Regional Integrated Sciences and Assessments (RISA) Program, NA12OAR4310124. *Ongoing Assessment of Climate Vulnerability and Resilience within the Southwest*.
- **2010-2012 Co-PI. (\$15,000)** NSF Doctoral Dissertation Improvement Grant: Post-Hurricane Participatory GIS Mapping along the Gulf Coast to Assess Community Preparedness and Social Network Connection

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**Professional Associations:** American Anthropological Association, Society for Applied Anthropology, Society for Cultural Anthropology, Society for Medical Anthropology, American Meteorological Society, Society for Environmental Anthropology, American Geophysical Union

### Collaborators

Armin, Julie	University of Arizona
Austin, Diane	University of Arizona
Barnhardt, Ardeth	University of Arizona (formerly)
Brown, Heidi	University of Arizona
Cartwright, Elizabeth	Idaho State University
Colby, Bonnie	University of Arizona
Crimmins, Michael A.	University of Arizona
Curle, Lanor	United Houma Nation
Droz, Ken	National Weather Service
DuBois, David	New Mexico State University
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