

CURRICULUM VITAE

Daniel B. Ferguson

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Arizona Institutes for Resilience
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Chronology of Education:

- 2015 School of Geography and Development, University of Arizona
Dissertation title: "Transdisciplinary Climate Research to Support Decision Making"
Co-chairs: Diana Liverman and Connie Woodhouse
- 1997 MA, American Indian Studies
University of Arizona
Thesis title: "The Escuela Experience: The Tucson Indian School in Perspective"
Advisor: Tsianina Lomawaima
- 1992 BA, Liberal Studies (minors in Psychology, Communications, English)
Salisbury State University

Chronology of Employment:

Oct 2020-Present	Assistant Professor (Tenure track)	University of Arizona, Department of Environmental Science & Arizona Institutes for Resilience
Mar 2017-Oct 2020	Associate Research Scientist (Continuing status eligible)	University of Arizona, Arizona Institutes for Resilience (formerly Institute of the Environment)
Dec 2016-present	Affiliated Faculty	University of Arizona American Indian Studies Graduate Interdisciplinary Degree Program
Mar 2016-present	Affiliated Faculty	University of Arizona Arid Lands Resource Sciences Graduate Interdisciplinary Degree Program
July 2010-present	Program Director	University of Arizona, Institute of the Environment, Climate Assessment for the Southwest
Oct 2007-July 2010	Program Manager	University of Arizona, Institute of the Environment, Climate Assessment for the Southwest
Jan 2005-Oct 2007	Assistant Staff Scientist	University of Arizona, Institute for the Study of Planet Earth
Nov 2001-Jan 2005	Project Manager	Arctic Research Consortium of the US, Fairbanks, AK

Honors and Awards

2010 University of Arizona Staff Award for Excellence

Service/Outreach:

Local/State Outreach (limited to last 5 years)

- November 2020 *Panelist:* “Drylands and Baskets: A ClimateLore Conversation” online panel hosted by the Southwest Folklife Alliance.
- March 2019 *Workshop planning committee member:* Indigenous Foods Knowledge Network Meeting. Tohono O’odham Nation.
- September 2018 *Workshop planning committee member:* Supporting Tribal Data Governance for Community Resilience: A Southwest Indigenous Climate Summit. Tucson, AZ.
- March 2018 *Workshop planning committee member:* Indigenous Foods Knowledge Network Inaugural Meeting. Gila River Indian Community.
- April 2017 *Workshop planning committee member:* Indigenous Policy Forum: Cultural Uses of Water. Tucson, AZ.
- October 2015 *Conference session organizer:* Collaborative environmental research in the Southwest: Examples from the field (invited session). Biennial Conference of Science and Management on the Colorado Plateau. Flagstaff, AZ.

National Outreach/Service:

- April 2021 With collaborator Alison Meadow, profiled for article entitled “What does five more degrees mean to you?” in *BorderLore* (monthly online journal). <https://borderlore.org/what-does-five-more-degrees-mean-to-you/>
- January 2021 *Contributor:* Documentary series for European television (BBC Earth network, RMC Network in France and MTV in Germany) called “Extreme Forecast” to be aired in autumn 2021.
- December 2019 *Conference Session organizer:* Science to action: Having Social Impact Amid Institutional Barriers. American Geophysical Union annual meeting, San Francisco, CA.
- June 2019 *Workshop planning committee member:* Indigenous Foods Knowledge Network Meeting. Chickaloon, AK.
- December 2018 *Conference Session organizer:* Science to Action: Science to action: Frontiers in effective decision maker-scientist partnerships. American Geophysical Union annual meeting, Washington, DC.
- December 2017 *Conference Session organizer:* Science to Action: Towards more effective decision maker-scientist partnerships. American Geophysical Union annual meeting, New Orleans, LA.
- December 2016 *Conference Session organizer:* Towards more effective decision maker-scientist engagement. American Geophysical Union annual meeting, San Francisco, CA.
- October 2016 *Workshop co-chair:* Aspen Global Change Institute workshop, “Expanding the Science-Policy Interface to Confront Global Change.” Aspen, CO.

- May 2016 *Workshop planning committee member:* Water Utility Climate Alliance (WUCA) workshop, “Co-Producing Actionable Science for Water Utilities: Case Studies and Next Steps.” Boulder, CO.
- February 2016 *Workshop planning committee member:* NOAA Regional Integrated Sciences and Assessments Annual Meeting. Tucson, AZ.
- January 2015 *Conference Session organizer:* Do Climate Services Make a Difference? Evaluating the development and provision of climate information at 10th Symposium on Societal Applications: Policy, Research and Practice. American Meteorological Society 92nd Annual Meeting, Phoenix, AZ.
- January 2015 *Conference planning committee member:* NOAA Regional Integrated Sciences and Assessments Annual Meeting. Charleston, SC.
- January 2015 *Conference Session organizer:* Training the next generation of use-inspired researchers. NOAA Regional Integrated Sciences and Assessments Annual Meeting. Charleston, SC.

National Committees:

- 2018—present: Member and Chair (2018), Regional Integrated Sciences and Assessments executive committee
 - As chair of this committee in 2018, led a US Congressional outreach and information sharing effort for NOAA-funded researchers from across the RISA network. This work resulted in multiple visits with US House and Senate staff and committee staff and culminated in a December 2018 briefing for US Senate staff in Washington, DC.

Ad Hoc Peer Reviewer (limited to last 5 years)

- **Journals:** *BioScience; Bulletin of the American Meteorological Society; Climatic Change; Climate Risk Management; Journal of the American Water Resources Association; Journal of Applied Meteorology and Climatology; Journal of Environmental Studies and Science; Journal of Hydrometeorology; Weather, Climate, and Society; Science of the Total Environment*
- **Book publishers:** Cambridge University Press; Routledge
- **Reports:** Expert reviewer, 2014 National Climate Assessment Special Report on Sustained Assessment; 2021 National Academies of Sciences, Engineering, and Medicine special report on Bureau of Ocean Energy Management's Environmental Studies Program; 2021 University of Nevada Cooperative Extension
- **Funding proposals:** Peer reviewer, National Estuary Research Reserve System Science Collaborative (2015, 2018); NSF Arctic Observing Network (2021)

University, College, & Dept Committees

- UA American Indian Studies Graduate Interdisciplinary Degree Program executive committee member (2018-2020)
- UA Environmental Landscape Review Ad Hoc Committee (2017-2018)
- UA Academic Personnel Policy Committee (2019-present)
- CALS Faculty Council Rep for ENV5, (2021-present)
- ENV5 Curriculum Committee (2021-present)
- AIR Awards Committee (2021-Present)

Other Committees

- Executive committee member (ex officio), Climate Assessment for the Southwest program (2007-present)
- Executive committee member, UA graduate degree certificate in Connecting Environmental Science and Decision Making (2010-2019)

- Co-Founder and co-Chair, UA Partnerships for Indigenous Environmental Strategies (2016-2019)
- UA Bridging Biodiversity and Conservation Science program steering committee member (2017-2018)

Publications/Creative Activity

Chapters in scholarly books

2. Gerlak, A., H. Vafai, **D. B. Ferguson**, and L. Salame. 2021. Science Diplomacy in Education. In *Sustainable Development for the Americas: Science, Health, and Engineering Policy and Diplomacy*, eds. E. W. Colglazier, H. A. Vafai, K. E. Lansey and M. D. Bryson: CRC Press.
1. ***Ferguson, D.B.**, M.L. Finucane, V.W. Keener, and G. Owen. 2016. Evaluation to Advance Science Policy: Lessons from Pacific RISA and CLIMAS. In *Climate in Context*, eds. A. Parris and G. Garfin, 215-234. New York: Wiley-Blackwell.

*Refereed Journal Articles (*denotes dissertation work)*

13. **Ferguson, D. B.**, A. M. Meadow, and H. P. Huntington. 2022. Making a Difference: Planning for Engaged Participation in Environmental Research. *Environmental Management*. 10.1007/s00267-021-01585-5
12. Gerlak, A., S. Karambelkar, and **D.B. Ferguson**. 2021. Knowledge Governance and Learning: Examining Challenges and Opportunities in the Colorado River Basin. *Environmental Science & Policy*. 10.1016/j.envsci.2021.08.026
11. Wilmer, H., A.M. Meadow, A. Bentley Brymer, S. Russo Carroll, **D.B. Ferguson**, I. Garba, C. Greene, G. Owen, and D.E. Peck. 2021. Expanded Ethical Principles for Research Partnership and Transdisciplinary Natural Resource Management Science. *Environmental Management*. doi: 10.1007/s00267-021-01508-4..
10. Rozance, M., M. Krosby, A.M. Meadow, A. Snover, Amy, **D.B.Ferguson**, and G. Owen. 2020. Building capacity for societally engaged climate science by transforming science training. *Environmental Research Letters*.
9. Jäger, M.B., C. Behe, **D.B. Ferguson**, et al. 2019. Building an Indigenous Foods Knowledges Network Through Relational Accountability. *Journal of Agriculture, Food Systems and Community Development*. 10.5304/jafscd.2019.09B.005
8. Owen, G., **D.B. Ferguson**, and B. McMahan. 2019. Contextualizing climate science: applying social learning systems theory to knowledge production, climate services, and use-inspired research. *Climatic Change*. 10.1007/s10584-019-02466-x
7. Crimmins, M. A., **D.B. Ferguson**, A. M. Meadow, and J. L. Weiss. 2017. Discerning “flavors” of drought using climate extremes indices. *Journal of Applied Meteorology and Climatology*. 10.1175/JAMC-D-16-0270.1
6. ***Ferguson, D.B.**, A. Masayeva, A. M. Meadow, and M. A. Crimmins. 2016. Rain Gauges to Range Conditions: Collaborative Development of a Drought Information System to Support Local Decision-Making. *Weather, Climate, and Society* 8 (4):345-359. doi:10.1175/WCAS-D-15-0060.1
5. Meadow, A.M., **D.B. Ferguson**, Z. Guido, A. Horangic, G. Owen, and T. Wall. 2015. Moving Toward the Deliberate Co-Production of Climate Science Knowledge. *Weather Climate and Society*. 10.1175/WCAS-D-14-00050.1
4. Meadow, A.M., M. Crimmins, and **D.B. Ferguson**. 2013. Field of Dreams or Dream Team: Assessing Two Models of Drought Impact Reporting in the Semi-Arid

- Southwest. Bulletin of the American Meteorological Society. no. 94 (10):1507-1517. doi: 10.1175/BAMS-D-11-00168.1.
3. Owen, G., J.D. McLeod, C.A. Kolden, **D.B. Ferguson**, and T. J. 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.
 2. Guido, Z., D. Hill, M. Crimmins, and **D.B. Ferguson**. 2012. Informing Decisions with a Climate Synthesis Product: Implications for Regional Climate Services. *Weather, Climate, and Society* 5 (1):83-92.
 1. Morehouse, B. J., **D.B. Ferguson**, G. Owen, A. Browning-Aiken, P. Wong-Gonzalez, N. Pineda, and R. Varady. 2008. Science and socio-ecological resilience: examples from the Arizona-Sonora Border. *Environmental Science & Policy*. 11: 272-284.

Refereed Work in Progress

14. Greene, C., **D.B. Ferguson**, H. Wilmer, M. Crimmins, and M. McClaran. [In Prep for Global Environmental Change]. Cattle is No Longer King: Ranching Resilience in the western US Amid Social and Environmental Change.
15. **Ferguson, D.B.** [In prep for Climatic Change]. A Practical Approach to Regional Transdisciplinary Climate Research.
16. **Ferguson, D.B.**, G. Owen, A.M. Meadow, and C. Greene. [In prep for Climate Services]. From Multit- to Inter- to Transdisciplinary: The 20 year Evolution of a Socially-Engaged Climate Research Program.

Other Publications

20. Johnson, N., K. S. Erickson, **D.B. Ferguson**, M. B. Jäger, L. L. Jennings, A. R. Juan, S. Larson, W. K. S. Smythe, C. Strawhacker, A. Walker & S. R. Carroll. 2021. The Impact of COVID-19 on Food Sovereignty for Alaska Natives. In *2021 Arctic Report Card*, eds. T. A. Moon, M. L. Druckenmiller & R. L. Thoman. NOAA.
19. Johnson, Noor, Mary Beth Jäger, Lydia Jennings, Amy Juan, Stephanie Russo Carroll, and **D.B. Ferguson**. 2020. "Indigenous Foods Knowledges Network: Facilitating Exchange between Arctic and Southwest Indigenous Communities on Food and Knowledge Sovereignty." *Witness the Arctic*. <https://www.arcus.org/witness-the-arctic/2020/3/highlight/2>.
18. Anderson, T., C. Woodhouse, **D.B. Ferguson**. 2020. Upper Lake Mary: Lake Level Response to Climate Variability: A Report To Flagstaff Water Services. Tucson, AZ: Climate Assessment for the Southwest.
17. David-Chavez, D.M., **D.B. Ferguson**, A. Curley, T. Lane, S. Yazzie, S. LeRoy, and S.R. Carroll. 2019. Supporting Tribal Data Governance for Indigenous Community Climate Resilience. Native Nations Institute and the Climate Assessment for the Southwest: Tucson, AZ.
16. IFKN. 2018. Indigenous Foods Knowledges Network Charter. <http://ifkn.org/charter>
15. Vano, J.A., D. Behar, P. Mote, **D.B. Ferguson**, and R. Pandya. 2017. Partnerships Drive Science to Action Across the AGU Community. *Eos* 98 <https://doi.org/10.1029/2017EO088041>.
14. Meadow, A.M., **D.B. Ferguson**. 2017. Our Climate is Doing What? Tailoring Information about Regional Climate to Support Local Adaptation Decision Making. *Rural Connections* 11(1): 41-44.

13. **Ferguson, D.B.**, M.A. Crimmins, A. Masayeva, A.M. Meadow, J.L. Weiss, H. Faulstich. 2017. Drought Monitoring to Support Planning for the Hopi Tribe: Final Report from 2010-2016 Collaboration between the Hopi Department of Natural Resources and the Climate Assessment for the Southwest. Tucson, AZ: Climate Assessment for the Southwest.
12. Meadow, A., J. Weiss, S. Leroy, M. Black, **D.B. Ferguson**, and M. Crimmins. 2016. Climate Profile for the Truckee River Basin and Pyramid Lake Indian Reservation. Tucson, AZ: Native Nations Climate Adaptation Program, University of Arizona.
11. Meadow, A., M. Black, M. Crimmins, **D.B. Ferguson**, and J. Weiss. 2016. Climate Profile of Gila River Indian Community. Tucson, AZ: Native Nations Climate Adaptation Program, University of Arizona.
10. Crimmins, M.A., **D.B. Ferguson**, J.L. Weiss, and H. Faulstich. 2015. Hopi Climate: An Overview to Support Drought Monitoring and Management. Tucson, AZ: Climate Assessment for the Southwest.
9. **Ferguson, D.B.**, R. Thomas, Z. Guido, L. Ethen, C. Zucker, G. Chorover, and R. Johnson. 2014. Planning for Change in Southern Arizona: A report from the Southern Arizona Regional Climate Summit for Municipal Leaders. Tucson: Climate Assessment for the Southwest.
8. **Ferguson, D.B.**, J. Rice, and C. Woodhouse. 2014. Linking Environmental Research and Practice: Lessons from the Integration of Climate Science and Water Management in the Western United States. Tucson, AZ: Climate Assessment for the Southwest. <http://www.climas.arizona.edu/publication/report/linking-environmental-research-and-practice>
7. Lackstrom, K., A. Brennan, **D.B. Ferguson**, M. Crimmins, L. Darby, K. Dow, K. Ingram, A. Meadow, H. Reges, M. Shafer, and K. Smith. 2013. The Missing Piece: Drought Impact Monitoring. Carolinas Integrated Sciences & Assessments and Climate Assessment for the Southwest. www.climas.arizona.edu/publications/2852
6. Meadow, A.M., **Ferguson, D.B.**, and Crimmins, M. 2013. Helping a Community Develop a Drought Impacts Reporting System. Rural Connections. 7 (1): 15-18.
5. **Ferguson, D.B.**, C. Alvord, M. Crimmins, M. H. Redsteer, C. McNutt, M. Hayes, M. Svoboda and R. Pulwarty. 2011. Drought Preparedness for Tribes in the Four Corners Region. A report from NIDIS Four Corners Drought workshop held in Flagstaff, AZ, April 8-9, 2010. Climate Assessment for the Southwest, University of Arizona. www.climas.arizona.edu/publications/2085
4. Collins, G, M. Redsteer, M. Hayes, M. Svoboda, **D.B. Ferguson**, R. Pulwarty, D. Kluck, C. Alvord. 2010. Climate change, drought and early warning on Western Native Lands Workshop Report. National Integrated Drought Information System.
3. **Ferguson, D.B.**, M. Crimmins. 2009. Who's paying attention to the drought on the Colorado Plateau. Southwest Climate Outlook 8, 3-5.
2. Guido, Z., **D.B. Ferguson**, and G. Garfin. 2008. Putting Knowledge into Action: Tapping the Institutional Knowledge of U.S. Fish and Wildlife Service Regions 2 and 8 to Address Climate Change. A report from the workshop entitled "Effects of Climate Change on Fish, Wildlife and Habitats in the Arid and Semiarid Southwestern United States: Putting Knowledge and Science into Action" held in Tucson, AZ, August 19-20, 2008. Climate Assessment for the Southwest, University of Arizona. www.climas.arizona.edu/publications/942
1. **Ferguson, D.B.**, B.J. Morehouse, and R. Steinberger. 2006. Proceedings from Sustainability Under Uncertainty in Arid and Semiarid Ecosystems Workshops held in Tucson, AZ, Jan. 19-21, 2005 & May 5-6, 2005. Institute for the Study of Planet Earth, University of Arizona, 44 p.

Other Scholarly Output

- In collaboration with UA colleagues Connie Woodhouse (School of Geography and Development), Mónica Ramírez-Andreotta (Dept of Environmental Science), and Gregg Garfin (School of Natural Resources and the Environment), developed Transdisciplinary Science for Society (TESS) UA online professional development courses launched September 2019.

Presentations

Scholarly Presentations (limited to last 5 years)

9. **Ferguson, D.B.** 2021. Building and sustaining successful inter- & transdisciplinary research collaborations. Invited virtual presentation for USDA-ARS SCINet and AI COE Fellows Conference.
8. Meadow, A.M., H. Wilmer, and **D.B. Ferguson**. 2020. Expanding Research Ethics in the Era of Transdisciplinary Research. Online presentation as part of a University of Washington actionable science webinar series hosted by the USGS Northwest Climate Adaptation Science Center.
7. Jäger, MB, S.C. Rainie, C. Strawhacker, N. Johnson, P.L. Pulsifer, **D.B. Ferguson**, T. Reader, O. Huntington. 2018. The Indigenous Foods Knowledges Network: Supporting Indigenous Scholars through Research and Academic Innovations. American Geophysical Union Annual Meeting. San Francisco, CA.
6. Martinez, A, S.C. Rainie, **D.B. Ferguson**. 2018. Resilience, Sustainability, and Indigenous Communities: Knowledges in Dialogue for Environmental Research, Assessment, and Planning. American Geophysical Union Annual Meeting. San Francisco, CA.
5. David-Chavez, DM, S.C. Rainie, **D.B. Ferguson**, S. LeRoy, A. Curley, T. Lane, S. Yazzie. 2018. Supporting Tribal Data Governance for Community Resilience: A Southwest Indigenous Climate Summit. American Geophysical Union Annual Meeting. San Francisco, CA.
4. **Ferguson, D.B.** 2018. Drought in the Southwest Past, Present (& Future?) Binational Water Relations at 75 Years Workshop. Tucson, AZ.
3. **Ferguson, D.B.** 2018. Science Policy & Roles of Science in Society. Southwest Climate Science Center Translational Ecology Workshop. Tucson, AZ.
2. Rainie, S.C., **D.B. Ferguson**, A. Martinez. 2017. The Role of Reconciling Values in Efforts to Build Community Resilience to Global Environmental Change. American Geophysical Union Annual Meeting. San Francisco, CA.
1. **Ferguson, D.B.** 2017 Community Climate Profiles: Supporting Resilience Planning with Tailored, Place-Based Climate Information. NOAA Regional Integrated Sciences and Assessments Annual Meeting. Arlington, VA.

Community Presentations (limited to last 5 years)

8. **Ferguson, D.B.** 2019. Building Resilience by Building Collective Knowledge. Interfaith Festival of Creation. Tucson, AZ.
7. **Ferguson, D.B.** 2018. Recent Drought and Long Terms Trends in the Four Corners. Hopi Tribe Drought Task Team Meeting. Kykotsmovi, AZ.
6. **Ferguson, D.B.** 2018. The Evolving Climate of Arizona and the Southwest. Osher Lifelong Learning Institute. Tucson, AZ.
5. **Ferguson, D.B.** 2018. Recent Drought and Long Terms Trends in the Four Corners. Hopi Tribe Drought and Ranching Workshop. Kykotsmovi, AZ.

4. **Ferguson, D.B.** 2018. The Evolving Climate of Arizona and the Southwest. Greater Tucson Leadership. Tucson, AZ.
3. **Ferguson, D.B.** 2017. Drought Monitoring to Support Planning for the Hopi Tribe. Institute for Tribal Environmental Professionals Tribal Drought Workshop. Flagstaff, AZ (presented remotely)
2. **Ferguson, D.B.** 2017. Recent and projected climate change in Arizona and the broader Southwest. Central Arizona Project Climate Adaptation Workshop. Phoenix, AZ.
1. **Ferguson, D.B.** 2017. Overview of Navajo Nation Climate: Historic conditions and projections of the future. Navajo Nation Department of Fish and Wildlife Climate Change Training. University of Arizona. Tucson, Arizona

UA Intramural Presentations (limited to last 5 years)

2. **Ferguson, D.B.** 2022. Environmental Science with (not at) Society. UA School of Geography, Development, and Environment Colloquium.
1. **Ferguson, D.B.** 2018. Science to support Southwest climate resilience in a rapidly changing world. UA Environmental Breakfast Club. Tucson, AZ.

University of Arizona Guest Lectures

- Periodic guest lectures in undergraduate courses and graduate seminars, including: School of Geography and Development 530, The Climate System; School of Geography and Development 596m, Connecting Environmental Science and Decision Making; School of Natural Resources and the Environment 496b/696a, Adaptation to Climate Change; Soil, Water, and Environmental Sciences 596b, Arizona Water Policy; Global Change 695, Global Change Toolkit; American Indian Studies 541a, Natural Resource Management in Native Communities; American Indian Studies 200, Introduction to American Indian Studies.

Awarded Grants and Contracts (limited to last 5 years)

6. 2020-2021. NSF Office of Polar Programs Arctic Social Science. Rapid: Collaborative Research: Impact of COVID-19 on Food Access in Indigenous Communities in the Arctic and Southwest: A Comparative Landscape Analysis. Stephanie Carroll (UA, Lead PI); Co-PIs **Daniel Ferguson**, Mary Beth Jäger (UA); Noor Johnson (University of Colorado). \$197,535 (UA \$99,916)
5. 2018-2022. USDA Agriculture and Food Research Initiative. Ranching, Rangelands, and Resilience: Ensuring adaptive capacity in an increasingly variable climate. Katherine Suding (University of Colorado, Lead PI); Co-PIs: Brady Allred (University of Montana); Brandon Bestelmeyer and Justin Derner (USDA Agricultural Research Service); Jeremy James (University of California); Peter Alder and Eric Thacker (Utah State University); John Bradford (USGS, Southwest Biological Science Center); UA Team: Michael Crimmins, **Daniel Ferguson**, Mitch McClaran. \$1,194,000 (UA: \$227,896)
4. 2017-2021. NSF Office of Polar Programs. Networking Indigenous Arctic and U.S. Southwest Communities on Knowledge Co-Production in Data Sciences. Colleen Strawhacker (University of Colorado, Lead PI) Co-PIs: Peter Pulsifer (University of Colorado); University of Arizona team: Stephanie Rainie, **Daniel Ferguson**, Tristan Reader. \$499,006 (UA \$100,226)
3. 2017-2022. NOAA Regional Integrated Sciences and Assessments Program. Collaboratively Assessing Critical Social-Ecological System Buffers to Help Build Regional Climate Resilience: The Climate Assessment for the Southwest. **Daniel Ferguson (Lead PI)**; Co-PIs: Heidi Brown, Michael Crimmins, George Frisvold, Connie Woodhouse & nine additional UA and New Mexico State University co-PIs. \$3,464,261 (Ferguson budget: \$1,522,174).
2. 2013-2016. NOAA Regional Integrated Sciences and Assessments Program. Planning for Drought in the Warming and Drying Southwest: Developing a Suite of Drought Indicators to Support Tribal Decision Making in the Four Corners. **Daniel Ferguson (Lead PI)**; Co-PI: Michael Crimmins. \$199,969
1. 2012-2017. NOAA Regional Integrated Sciences and Assessments Program. Adapting to Climate Variability, Thresholds, and Extremes in the Southwest: The Climate Assessment for the Southwest (CLIMAS). Jonathan Overpeck (Lead PI); Co-PIs: Bonnie Colby, Andrew Comrie, Michael Crimmins, David DuBois (New Mexico State University), **Daniel Ferguson** (Program Director), George Frisvold, Gregg Garfin, Holly Hartmann, Margaret Wilder, and Connie Woodhouse. \$3,727,990 (Ferguson budget: \$1,785,904)

Graduate Advisors

Diana Liverman, University of Arizona (Dissertation co-advisor)

Connie Woodhouse, University of Arizona (Dissertation co-advisor)