

Sarah Rose LeRoy

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EDUCATION

- 2011** M.S. Geosciences, The University of Arizona
- Area of Specialization: Paleoclimatology
 - Major Advisor: Jonathan Overpeck
- 2007** B.S. Ecology and Evolutionary Biology, The University of Arizona
- Minor: Chemistry

EMPLOYMENT

- 2019 - Present** **Science Communications Coordinator**, Southwest Climate Adaptation Science Center (SW CASC)
- Responsibilities: Lead all communications for the Center, which includes: managing communications staff, writing and editing content, website management, social media, newsletter development, hosting webinars, creating and distributing flyers and reports, coordinating events, reporting to the National CASC, stakeholder engagement, and communicating with all consortium institution investigators
 - Supervisor: Dr. Gregg Garfin
- 2018 - Present** **Assistant Staff Scientist**, Institute of the Environment, University of Arizona
- Responsibilities: Project management, contribute to research development, meeting and workshop coordination, stakeholder engagement, community outreach, database management, data collection, development of reports and outreach materials, contribute to peer-reviewed publications,
 - Supervisor: Dr. Gregg Garfin
- 2014 - 2018** **Research Assistant**, Institute of the Environment, University of Arizona
- Responsibilities: Project management, workshop coordination, stakeholder engagement, community outreach, publication of monthly climate outlook for Rio Grande/Bravo Basin, database management, data collection, development of reports and outreach material
 - Supervisor: Dr. Gregg Garfin
- 2013 - 2014** **Climate Communications Specialist**, Institute of the Environment, University of Arizona
- Responsibilities: website maintenance and content development, metrics collection, write press releases
 - Supervisor: Stephanie Doster

- 2011 – 2013** **Research and Outreach Scientist**, Department of Geosciences/Institute of the Environment, University of Arizona
- Responsibilities: Manage and develop content for Southwest Climate Change Network website, coordinate author input and publication of Southwest Climate Change Assessment Report, coordinate webinars, record and edit podcasts
 - Supervisor: Dr. Betsy Woodhouse
- 2008 – 2011** **Graduate Research and Teaching Assistant**, Department of Geosciences and Department of Ecology and Evolutionary Biology, University of Arizona
- Research focus: Reconstruction of past climate using lake sediments
 - Supervisors: Dr. Jonathan Overpeck and Dr. Scott Saleska
- 2007 – 2008** **Research Technician**, Laboratory of Tree-Ring Research, University of Arizona
- Manager of a stable isotope lab
 - Supervisor: Dr. Michael Evans

PUBLICATIONS

- LeRoy, S.**, M. Friggens, G. Garfin, K. Hayhoe, S.J. Lite, M.J. Montero Martínez, J. Nielsen-Gammon, D. Rissik, B. Wickel, and M. Briggs. (*In Press*). Adapting Your Stream Restoration Project to Climate Change. In Briggs, M.K., W.R. Osterkamp (eds.), *Renewing our Rivers: A Guidebook to Stream Corridor Restoration in Dryland Regions*. UA Press.
- Parsons, L. A., **S. LeRoy**, J. T. Overpeck, M. Bush, G.M. Cárdenes-Sandí, and S. Saleska. 2018. The Threat of Multi-Year Drought in Western Amazonia. *Water Resources Research* 54, 9. doi: 10.1029/2017WR021788
- Garfin, G., **S. LeRoy**, and H. Jones. 2018. A Heat-Health Regional Pilot in the Paso del Norte Region. *Southern Climate Monitor* 8, 1:2-6.
- Garfin, G., **S. LeRoy**, M. Muth, H. Jones, M. Ibarra Ochoa, J. L. Vázquez Aguirre, M. Shafer, D. Brown, J. Saldaña Colín, G. Velázquez Angulo, M. L. Romo Aguilar. 2017. Climate Services for Coping with Climate Change, Drought, and Extreme Heat in the México-U.S. Border Region. In Montero Martínez, M.J., and O. F. Ibáñez Hernández (eds.), *La Cuenca del Río Conchos: Una Mirada desde las Ciencias ante el Cambio Climático*. Jiutepec, Morelos, Mexico: Instituto Mexicano de Tecnología del Agua, pp. 39-57. ISBN 978-607-9368-89-0.
- LeRoy, S.** and G. Garfin. 2017. The Climate of Las Cruces, New Mexico. Produced in conjunction with the project, *Using Critical Thresholds to Customize Climate Projections of Extreme Events to User Needs and Support Decisions*. Tucson, AZ: CLIMAS, 23 p.
- Garfin, G., **S. LeRoy**, and H. Jones, 2017. Developing an Integrated Heat Health Information System for Long-Term Resilience to Climate and Weather Extremes in the El Paso-Juárez-Las Cruces Region. Tucson, AZ: Institute of the Environment, 63 p.
- 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. doi: 10.13140/RG.2.1.4823.3205.

Garfin, G., **S. LeRoy**, D. Martin, M. Hammersly, A. Youberg, and R. Quay, 2016. Managing for Future Risks of Fire, Extreme Precipitation, and Post-fire Flooding. Report to the U.S. Bureau of Reclamation, from the project Enhancing Water Supply Reliability. Tucson, AZ: Institute of the Environment, 33 p. doi: 10.13140/RG.2.2.12750.05448.

LeRoy, S., G. Garfin, and M. Black, 2016. Anticipating Cascading Effects from Climate Extremes. *Eos* 97. doi: 10.1029/2016EO048971

Garfin, G., A. Jardine, R. Merideth, M. Black, and **S. LeRoy** (eds.), 2013. *Assessment of Climate Change in the Southwest United States: A Report Prepared for the National Climate Assessment*. Washington, DC: Island Press, 509 p.

Ritchie, E. A., K. M. Wood, D. S. Gutzler and **S. White**, 2011. The Influence of Eastern Pacific Tropical Cyclone Remnants on the Southwestern United States. *Monthly Weather Review* 139, 192-210.