

Jeremy Weiss, PhD

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Research Operations & Strategy | Data-as-a-product | Analytics & Decision Support | Strategic Partnerships

Research operations and strategic partnerships leader with more than 20 years of university experience, currently heading a statewide meteorological network as a data-as-a-product service. Builds diversified funding, leads small technical teams, develops data-driven decision-support products, and coordinates multidisciplinary initiatives across academic, government, industry, and nonprofit partners. Brings deep expertise in climate, environmental, and geospatial science, skill in translating complex information into actionable insights for diverse stakeholders, a funder's perspective on evaluating feasibility, capacity, and potential impact, and emerging experience connecting institutional strategy with data science and AI.

INSTITUTIONAL STRATEGY & SERVICE

AI Fellow

University of Arizona, August 2026 – Present, concurrent appointment

Serve as a thought partner in the inaugural AI Fellows Program with the Office of Responsible AI, developing engagement activities and use cases to connect institutional resources and strategy with opportunities and challenges within Cooperative Extension while providing feedback to help guide planning and implementation

Committee Member

University of Arizona Cooperative Extension, October 2022 – June 2026

Served on the evaluation committee for the \$45-million Water Irrigation Efficiency Program in Arizona, assessing grant proposals from agricultural producers to a state-sponsored initiative that has helped conserve annually more than 11 billion gallons of water, and developing direct working knowledge of how funders evaluate feasibility, capacity, and potential impact

PROFESSIONAL EXPERIENCE

Program Manager

University of Arizona Cooperative Extension, July 2021 – Present

Lead strategy and operations to modernize and expand the Arizona Meteorological Network as a data-as-a-product service for agricultural producers, water managers, and extension specialists, increasing funding by 43% through diversified sources of federal grants and contracts, municipal partnerships, and industry sponsorships, growing the number of stations by 21%, and deploying online 10+ interactive data products

Translate stakeholder needs into decision-support products and manage external relationships with funders, industry partners, and academic collaborators through sustained engagement, communication of program value, and identification of new opportunities aligned with their priorities

Lead a team of three research professionals and technologists for field operations, database management, and web development, coordinating technical priorities and delivery across data, infrastructure, and user-facing products

Climate and Geospatial Extension Scientist

University of Arizona Cooperative Extension, November 2014 – July 2021

Collaborated with an interdisciplinary research team and Native nations to develop tailored reports that supported grant applications and resilience planning, translating climate data and research into relevant resources for tribal governments pursuing federal funding and advancing community priorities

Contributed climate and geospatial expertise to a Water Research Foundation project working with stakeholders to map climate exposure and information needs to water utility business functions, and helping translate analysis into an executive summary, business function risk and opportunity profiles, and a guidebook for organizational leaders

Research Scientist

University of Arizona Department of Geosciences, April 2013 – October 2014

Contributed to an academic research team that connected climate science to facility management at three U.S. Department of Defense installations, translating geospatial analysis of coastal flooding, sea level rise, and infrastructure into presented risk assessments that informed facility planning and decision making

Scientific and Technical Consultant

Independent Consultant, January 2012 – December 2014

Contributed climate and geospatial analysis to a NOAA Fisheries-led team developing indicators of climate change and social vulnerability, translating sea-level-rise science into decision-relevant metrics supporting environmental and economic sustainability in coastal communities

Senior Research Specialist

University of Arizona Department of Geosciences, August 2002 – March 2013

Collaborated to translate sea-level-rise research into public-facing, first-generation interactive web maps, media engagement, and supporting documentation for policy-relevant resources like the U.S. National Climate Assessment, building relationships with academic colleagues, journalists, and community stakeholders to extend the reach and impact of climate science beyond the peer-reviewed literature

DATA SCIENCE & TECHNICAL SKILLS

Data and Analysis: statistics, probability, spatial analysis, time series analysis

Data Analytics and Products: Shiny, Quarto, Posit Connect, HTML, CSS, data reporting and visualization

Software and Reproducibility: Git, GitHub, Positron, R, RStudio, public code repositories

Emerging Methods: Machine learning, agentic AI coding

RESEARCH FUNDING & RESOURCE DEVELOPMENT

Grants, contracts, and sponsorships through diverse federal, state, municipal, and industry sources, securing nearly \$900,000 as principal investigator and more than \$4.2 million as part of interdisciplinary research teams

STAKEHOLDER ENGAGEMENT & CONVENINGS

Collaborated to design and lead 10 stakeholder workshops for federal agency staff, academic researchers, extension specialists, and agricultural producers to advance shared understanding and collective action

EDUCATION

Doctor of Philosophy, 2012

University of Arizona, Major: Geosciences (Climate Dynamics), Minor: Natural Resources

Master of Science, 2002

University of New Mexico, Major: Earth and Planetary Sciences (Climatology)

Bachelor of Science, 1998

Arizona State University, Major: Botany (Horticulture), Minor: Spanish

COMMUNICATION, OUTREACH & RESEARCH DISSEMINATION

250+ media engagements, 200+ public-facing communications and presentations, and 80+ academic publications and presentations

ACCREDITATIONS AND CERTIFICATES

LEED Green Associate, U.S. Green Building Council (USGBC), March 2026

Climate Resilience and Urban Sustainability, University of Colorado Boulder, October 2025

The Materiality of ESG Factors, University of Pennsylvania, August 2025

HONORS AND AWARDS

Environmental Stewardship Award, Arizona Farm Bureau, November 2023

Environmental Stewardship Award, Yuma County Farm Bureau, August 2023

Laureate, Campus France “Make Our Planet Great Again” Short-Stay Program, a French government initiative fostering international research collaboration on climate change, sustainability, and energy transition, January 2018

LANGUAGES

English (native), Spanish (advanced-low, undergraduate minor), French (novice-mid, self-study)