

THE FUTURE OF WATER

LESSONS FROM THE COLORADO RIVER BASIN

SPEAKERS, MODERATORS, AND PANELISTS

FRIDAY, MARCH 29

Welcome



George McCarthy, President and CEO, Lincoln Institute of Land Policy

Dr. George "Mac" McCarthy is President and CEO of the Lincoln Institute of Land Policy in Cambridge, Massachusetts. The Lincoln Institute seeks to improve quality of life through the effective use, taxation, and stewardship of land. A nonprofit private operating foundation whose origins date to 1946, the Lincoln Institute researches and recommends creative approaches to land as a solution to economic, social, and environmental challenges.

Before joining the Lincoln Institute in 2014, Mac directed Metropolitan Opportunity at the Ford Foundation which sought to provide disadvantaged people better access to good jobs and other opportunities for advancement by supporting regional planning and coordinated transportation and housing development to alleviate poverty and reduce its concentration in metropolitan areas in the U.S. and developing countries in Asia, Africa, and Latin America.

Mac has worked as Professor of Economics at Bard College, Resident Scholar at the Jerome Levy Economics Institute, Visiting Scholar and Member of the High Table at King's College of Cambridge University, Visiting Scholar at the University of Naples, Italy, and Research Associate at the Centre for Social Research in St. Petersburg, Russia. Mac received a B.A. in Economics and Mathematics at the University of Montana; an M.A. in Economics at Duke University; and, a Ph.D. in Economics at the University of North Carolina at Chapel Hill.



Kathryn Lincoln, Board Chair and Chief Investment Officer, Lincoln Institute of Land Policy

Over the course of her 20-year tenure as the Institute's Chief Investment Officer, Ms. Lincoln has led the endowment's strategic asset allocation, policy development, investment selection process, and draw policies, all of which have contributed meaningfully to achieving the current \$500 million asset base. As CIO, she also manages the endowment's day-to-day operations, including the monitoring of active investment managers and counterparty relationships. She's worked closely with the Institute's Board and Investment Committee to evolve the portfolio into a well-diversified and sophisticated structure, with exposure to public and private equity and debt, as well as alternative investments. Consistent with the Institute's policy objectives and global reach, she has also taken a leadership role in making allocations to strategically significant ESG and Frontier investment opportunities.

As Chair of the Board, Ms. Lincoln has played a crucial role in the strategic direction and planning of the Institute, with ongoing involvement in the development of education programs, demonstration projects, and impact measurement.

Ms. Lincoln also serves as a member of several other boards, including Lincoln Electric Holdings (LECO), a publicly traded company, where she chairs the Nominating/Governance Committee and serves on the Compensation/Executive Development Committee. She is also a member of the Board of Directors of the HonorHealth Network, Chairs the Claremont Lincoln University Board, and formerly served as a Director of Johnson Bank, AZ. In keeping with her commitment to board and corporate governance excellence, Ms. Lincoln has been a National Association of Corporate Directors Fellow since 2014.



Christopher Callahan, Arizona State University Dean, University Vice Provost and Arizona PBS CEO

Christopher Callahan is the founding dean of the Cronkite School. He is responsible for leading a 150-member faculty and staff and 2,000 students. He also serves as vice provost of the 11,000-student Downtown Phoenix campus.

Callahan is the chair of the Hearst Awards Steering Committee and serves as the chair of the Accrediting Council on Education in Journalism and Mass Communications. He also is a member of the Poynter Institute's National Advisory Board.

Prior to joining ASU, Callahan was associate dean at the Philip Merrill College of Journalism at the University of Maryland and senior editor of the American Journalism Review.

Before entering journalism education, Callahan was a Washington correspondent for The Associated Press. He is a graduate of the John F. Kennedy School of Government at Harvard University and the author of "A Journalist's Guide to the Internet."

Keynote Address



Bruce Babbitt, Former U.S. Secretary of the Interior and Governor of Arizona

Bruce Babbitt served as governor of Arizona from 1978 to 1987 and as secretary of the interior from 1993 to 2001. He received a B.A. in geology from the University of Notre Dame, a M.Sc. in geophysics from the University of Newcastle upon Tyne, and a J.D. from Harvard Law School.

As governor of Arizona, he led enactment of the Arizona Groundwater Management Act of 1980, which remains the most comprehensive water regulatory system in the United States, and he established the Department of Water Resources and the Department of Environmental Quality.

As secretary of the interior he oversaw regulatory reforms in the Bureau of Reclamation, the nation's largest water provider, and he initiated water management programs in the Florida Everglades, the Platte River Basin and the Lower Colorado River Basin. He led negotiations for the California Bay Delta accord of 1994 and just completed working with former California Governor Jerry Brown to manage statewide negotiations to revise stream flow standards in the Sacramento and San Joaquin river basins.

Session 1: Framing the Context/History of the Colorado River



Moderator: Allen Best, Energy News Network

Allen Best, who wrote "Hydraulic Empire: Sharing a Legacy, Carving a Future for the Colorado River" in the January 2019 issue of the Lincoln Institute's *Land Lines*, writes about water in the Southwest and the Great Plains.

Best began writing about water while editing newspapers for more than 20 years in mountain towns located in the Colorado River headwaters. Now working from a base in metropolitan Denver, he reports that 78 percent of his water still comes from the Colorado River Basin. In the last two years, he has walked along ditches where the Colorado River, at its origin, gets diverted across the Continental Divide and seen its denouement at just inside the U.S-Mexican border at Los Algodones, well short of the Gulf of California. He has contributed frequently to *Planning*, *Headwaters*, and other magazines.



Panelist: Daniel Bunk, Deputy Chief, Boulder Canyon Operations Office, Lower Colorado Region, U.S. Bureau of Reclamation

Dan Bunk is the Deputy Chief of the Boulder Canyon Operations Office (BCOO) which is part of the U.S. Bureau of Reclamation's Lower Colorado Region in Boulder City, Nevada. BCOO's primary function is to assist the Secretary of the Interior in fulfilling the role of water master in lower Colorado River basin. Prior to his current position, Dan was the River Operations Manager for BCOO, whose team helps to determine the annual and monthly reservoir operations for Lake Mead, conducts long-term modeling and planning studies, and provides stakeholders with analysis on hydrologic conditions and drought impacts in the Colorado River Basin. Dan has 17 years of experience in water resources in the western United States, including 13 years with his current office in Boulder City.



Panelist: Anne Castle, Senior Fellow, Getches-Wilkinson Center for Natural Resources, University of Colorado, Boulder

Anne Castle is a senior fellow at the Getches-Wilkinson Center for Natural Resources, Energy, and the Environment at the University of Colorado, focusing on western water policy issues. From 2009 to 2014, she was Assistant Secretary for Water and Science at the U.S. Department of the Interior where she oversaw water and science policy for the Department and had responsibility for the U.S. Bureau of Reclamation and the U.S. Geological Survey.

While at Interior, Castle spearheaded the Department's WaterSMART program, which provides federal leadership on the path toward sustainable water supplies and was the driving force behind the 2010 federal MOU addressing sustainable hydropower. Castle also provided hands-on leadership on Colorado River issues and was the Chair of the Glen Canyon Dam Adaptive Management Work Group and a champion of Minute 319 between the US and Mexico. Castle is a recovering lawyer, having practiced water law for 28 years with the Rocky Mountain law firm of Holland & Hart.



Panelist: Sara Porterfield, Founder, Tributaries Consulting LLC

Sara Porterfield is the founder and principal of Tributaries Consulting, a historical consulting firm that provides research, writing, education, and public outreach for the water community. She holds a PhD in History from the University of Colorado Boulder and is currently at work on a book about the transnational history of the Colorado River. Her research explores how the Colorado has historically been connected to rivers around the world through policy, infrastructure, and recreation and how this history changes our understanding of Western water. Her goal is to expand understanding of and narratives about the American West's water and bring fresh, innovative perspectives to present and future challenges facing water in our region. When not writing and researching, you can find Sara on the trails and rivers of the American West or trying (usually in vain) to wear out her border collie mix, Japhy Ryder.

Session 2: Hydrology, Climate, Land and Water: How Warming has Changed Everything



Moderator: Ariana Brocious,
Senior Reporter/Producer (The
Buzz), Arizona Public Media

Ariana Brocious is a public media journalist, radio producer and writer focused on environmental, science and natural resource stories. She explores issues of place, the natural world and our connection to it.

Ariana currently works at Arizona Public Media (NPR/PBS station) as a reporter and producer of **The Buzz**, a weekly public affairs radio program. Previously she worked for NET, Nebraska's NPR/PBS station. She spent two years telling stories for a project called Platte Basin Timelapse, a long-term multimedia documentary project focused on the Platte River Basin, a major Great Plains watershed. Ariana has been a public radio news director, Morning Edition host, reporter and producer. She has produced stories for NPR's Morning Edition, Here and Now, Latino USA, PBS NewsHour and Harvest Public Media. Her print work has been published in *High Country News*, *Western Confluence* and other magazines.

Ariana's homelands are the deserts, mountains and plains of the American West.



Panelist: Pamela Adams,
Native American Affairs
Program Manager, Lower
Colorado Region, U.S. Bureau
of Reclamation

Pam Adams is the Native American Affairs Program Manager for the Bureau of Reclamation's Lower Colorado Region. Pam is a hydrologist and brings over 30 years of experience in environmental resource planning and management to Reclamation. She was a key member of Reclamation's Colorado River Basin Water Supply and Demand Study team and was Reclamation's lead for the Colorado River Basin Ten Tribes Partnership Tribal Water Study.



Panelist: Kathy Jacobs,
Director, Center for Climate
Adaptation Science and
Solutions, University of
Arizona

Katharine Jacobs is a professor at the University of Arizona and Director of the Center for Climate Adaptation Science and Solutions, which builds adaptation and assessment capacity at multiple scales.

From 2010 – 2013, Jacobs worked in the Office of Science and Technology Policy in the White House. She was director of the Third National Climate Assessment, and the lead advisor on water science, policy, and adaptation. From 2006-2009 Jacobs was Executive Director of the Arizona Water Institute, focused on water sustainability. She worked 23 years as an Arizona water manager and was director of the Tucson Active Management Area from 1988 through 2001.

She earned her M.L.A. in environmental planning from Berkeley and her BA in Biology from Middlebury College.



Panelist: Daryl Vigil, Water
Administrator, Jicarilla Apache
Nation

T. Daryl Vigil, Jicarilla Apache, Jemez Pueblo, Zia Pueblo, is the co-director of Water & Tribes in the Colorado River Basin and the Water Administrator for the Jicarilla Apache Nation, and Chairman of Water is Life a Tribal Partnership.

He is the official spokesperson for the Colorado River Ten Tribes Partnership and the past Chairman of the Colorado River Ten Tribes Partnership. Among his additional duties, he is a member of the Coordination Committee of the Next Steps of the Colorado River Basin Supply Demand Study, member of the Navajo Gallup Water Supply Project Planning, Construction and Operation Committees, member of the Coordination Committee of the San Juan River Recovery and Restoration Project, past Secretary/Treasurer and Board of Trustees of the Colorado River Water Users Association, past Chairman of the Board of the Jicarilla Apache Utility Authority, and the past President/CEO of the Apache Nugget Corporation the Jicarilla Apache Nation's Gaming Enterprise.

Session 3: Around the Water Table: Connecting with Stakeholders

	<p>Bret Jaspers reports on water, politics and Phoenix's West Valley for KJZZ, the NPR member station in the Valley of the Sun. He has previously worked at stations in upstate New York, Baltimore, Wisconsin and New York City. His stories have aired on Morning Edition, All Things Considered, Weekend Edition, Here & Now, and Marketplace. Bret is also a member of Actors' Equity Association, the union for professional stage actors.</p>
<p><i>Moderator:</i> Bret Jaspers, Senior Field Correspondent, KJZZ</p>	
	<p>Paul is the 5th generation of the Bruchez family to farm and ranch in Colorado. He currently operates the family ranch near Kremmling. Paul and his family raise cattle and irrigate with water from the Colorado River, the Williams Fork River and Reeder Creek. Working in agriculture and being a fishing guide has given Paul a unique perspective on water resources. Paul is currently spearheading a 12-mile restoration of the Colorado River with 12 landowners collaborating to sustain agriculture and the environmental health of the river.</p>
<p><i>Panelist:</i> Paul Bruchez, Rancher, Reeder Creek Ranch</p>	<p>Paul is Agriculture Representative to the Colorado Basin Roundtable, on the board of directors for the Colorado Water Trust, the Chair of Grand County Open Lands, Rivers and Trails Advisory Committee, and is on the Advisory Committee for the Colorado Ag Water Network. He is committed to working on permanent solutions for sustaining agriculture and healthy rivers.</p>
	<p>After spending more than 20 years in New Mexico public policy and community development, Terry helped found Grow New Mexico to continue his work to advance New Mexico communities.</p>
<p><i>Panelist:</i> Terry Brunner, Founder, Grow New Mexico</p>	<p>Prior to founding Grow New Mexico, Terry spent 7 years as President Obama's appointee to the position of USDA New Mexico State Director for Rural Development. During that time, he managed investments of more than \$1 billion in housing, small business, renewable energy, and utilities in rural areas throughout New Mexico. Before his time at USDA he served as former U.S. Senator Jeff Bingaman's State Director for 7 years.</p> <p>Terry holds a B.A. in Latin American Studies from the University of Arizona and a M.A. In Latin American Studies with an emphasis in Community and Regional Planning from the University of New Mexico.</p>





Panelist: Kirsten James,
Director of California Policy,
Ceres, Inc.

Kirsten James is the director of California policy and partnerships at Ceres. She leads strategy development for Ceres's California-focused policy work. She engages companies and investors in support of public policies that call for sustainable water management, clean energy and greenhouse gas emissions reductions in California. Kirsten manages the Ceres Connect the Drops campaign, which showcases the strong leadership of California companies and policymakers to advance resilient water solutions that ensure better management of the state's water supplies. She also works to expand Ceres' visibility and partnerships in California.

Kirsten is a regular blogger, providing commentary on California water policy and corporate water stewardship. In her personal capacity, she serves as a board member on the Los Angeles League of Conservation Voters. Prior to Ceres, Kirsten worked for nine years at the Santa Monica-based environmental group, Heal the Bay. She served as their Science and Policy Director, leading the organization's efforts related to statewide and regional water quality and water supply policy and regulation.

She graduated with a bachelor's degree from Northwestern University and a master's degree in environmental science and management from the Bren School at University of California Santa Barbara.

Session 4: Linking Land and Water in the Colorado Basin

	<p>Vanessa Ruiz is the Emmy award winning director of the Borderlands coverage team at Cronkite News, the student-produced, faculty-led news division of Arizona PBS. She also helps lead the Spanish-language newscast, Cronkite Noticias, is an anchor and host for Arizona PBS and a Cronkite School ambassador for diversity and inclusion.</p> <p>Prior to joining the Cronkite School, Ruiz was the main evening news anchor at KPNXTV, the NBC affiliate in Phoenix. Ruiz became Telemundo International's youngest news anchor, bringing national and international news stories to the homes of 5 million-plus U.S. and Latin American viewers in English & Spanish.</p> <p>From 2005 to 2011, she reported for WSVN-FOX Miami. She was then recruited by TV Marti to anchor and report on issues impacting Cuba, the Caribbean and South America. In 2014, Ruiz signed on with KNBC in Los Angeles, covering a news market that spans 41,000 square miles and is the nation's No. 2 news market.</p> <p>In 2016 and 2017, Ruiz's team won the Rocky Mountain Emmy for Best Evening Newscast. She's also been recognized by The Academy of Television of Arts and Science for special coverage of Sept. 11, received the David Burke Distinguished Journalism Award for exceptional integrity, bravery and originality in reporting and recognized as one of Florida's leading Latinos in journalism.</p> <p>Ruiz graduated with honors from Florida International University with a B.S. in Mass Communication and a minor in International Relations.</p>
<p>Moderator: Vanessa Ruiz, Director-Borderlands Bureau at Cronkite News, Walter Cronkite School of Journalism and Mass Communication and Arizona PBS, Arizona State University</p>	 <p>Panelist: Andrew Fahlund, Senior Program Officer, Water Foundation</p> <p>Andrew Fahlund serves as Senior Program Officer for the Water Foundation, an innovative collaboration of philanthropies dedicated to ensuring enough clean water for people and nature through strategic grantmaking and convening. He directs the organization's Watersheds Program, leading campaign strategy on issues ranging from headwaters protection, instream flow and floodplain restoration, and sustainable groundwater management. He helped organize campaigns to pass California's historic 2014 Sustainable Groundwater Management Act and negotiate settlement of conflicts in the Sacramento and San Joaquin Rivers.</p> <p>Previously, Andrew served as Executive Director for Stanford University's Water in the West, an interdisciplinary applied research program. He also served as Senior Vice President for Conservation with American Rivers in Washington, DC directing advocacy campaigns leading to the protection and restoration of thousands of river miles.</p> <p>Fahlund received an M.S. in Natural Resource Policy from the University of Michigan School of Natural Resources and Environment and his B.A. from Colorado College.</p>



Panelist: Stu Feinglas,
Retired Water Resources
Specialist, City of
Westminster, Colorado

Stu Feinglas has been working with utilities and municipalities in conservation, planning, and finance since 1982. Stu started working for the City of Westminster, Colorado in 2001, as was most recently the city's Senior Water Resources Analyst.

In Westminster, Stu's responsibilities included developing water demand projections based on the City's comprehensive plan, managing the water and sewer development fee program as well as the most recent rate and fee study, developing and implementing conservation programs, drought management, and participating in the City's development process.

Stu retired from the City in 2018 but has a passion for water and land use on the front range and throughout the west.



Panelist: Jim Holway,
Director, Babbitt Center for
Land and Water Policy

Jim Holway is director of the Babbitt Center for Land and Water Policy at the Lincoln Institute of Land Policy. He has 35 years of experience on water and natural resources management. In November 2016, Jim was re-elected to represent Maricopa County on the Board of the Central Arizona Water Conservation District. Jim previously directed the Western Lands and Communities program for the Sonoran Institute and the Lincoln Institute of Land Policy.

Prior to joining the Sonoran Institute in 2009, Jim taught as a professor of practice in sustainability and served as the Arizona State University Coordinator for the Arizona Water Institute. He previously served as Assistant Director of the Arizona Department of Water Resources where he directed the implementation of Arizona's groundwater management programs.

Jim earned his bachelor's degree in political science from Cornell University and both a Ph.D. and Master's in Regional Planning from the University of North Carolina. Jim was also inducted into the College of Fellows of the American Institute of Certified Planners in 2012.

Session 5: Future Water Supplies, Technology, and Conservation



Moderator: Daniel Rothberg,
Reporter, *The Nevada Independent*

Daniel Rothberg is a reporter for *The Nevada Independent* covering water issues and development on public land. Prior to working for *The Nevada Independent*, he covered energy and environmental issues *Las Vegas Sun* and freelanced with bylines for *Bloomberg*, *Water Deeply*, *Sierra Magazine* and *Utility Dive*.



Panelist: Sean Bothwell,
Executive Director, California Coastkeeper Alliance

Sean Bothwell directs California Coastkeeper Alliance (CCKA) initiatives to protect and enhance healthy inland and marine waters throughout the state for the benefit of Californians and California ecosystems.

Sean is a national leader on critical environmental issues, including ocean desalination, California's trash policy, stormwater permitting and funding, and potable recycled water. He leads CCKA's legislative program by developing and introducing legislation and representing the Waterkeepers in Sacramento at legislative hearings and special committee panels. Sean directs CCKA's legal program by leading ongoing litigation, preparing and reviewing anticipated litigation, and overseeing the California Waterkeepers' Legal Committee.

Prior to joining CCKA, Sean provided legal expertise to the San Francisco Bay Conservation and Development Commission (BCDC) in the development of the state's first sea level rise regulations. Sean holds a J.D. from Vermont Law School.



Panelist: Chuck Cullom,
Colorado River Program
Manager, Central Arizona
Project

Chuck is the manager of Colorado River Programs for the Central Arizona Project. He has over 25 years of experience developing and managing water resources in Arizona and the southwest. His primary focus is to develop and implement strategic planning efforts and projects that protect and enhance CAP's interests in the Colorado River water supply.

Currently, Chuck is working on plans to develop new water supplies from local, regional, and international projects to augment the Colorado River system. Projects include local and international desalination efforts, snowpack augmentation, Colorado River demand reduction, and conservation efforts. In addition, he leads CAP's participation in the Lower Colorado River multi-species conservation plan. Previously at CAP, Chuck oversaw the design, construction and operation of underground storage (recharge) projects; as well the planning and implementation of recovery of the stored water.

He earned his master's degree in Geology from Northern Arizona University and his undergraduate degree from the University of Arkansas. Prior to joining CAP, Chuck worked for Bookman-Edmonston Engineering and for the Arizona Department of Water Resources.



Panelist: Sara Ransom,
Deputy Civil County Attorney,
Cochise County Attorney's
Office

Sara V. Ransom is a Deputy County Attorney with the Cochise County Attorney's Office, focusing upon water matters as well as sex and violent crime prosecution. Before joining the County Attorney's Office, Ms. Ransom was Of Counsel with the TSL Law Group, primarily working on water litigation matters, and before that she spent almost a decade practicing complex commercial litigation with Ballard Spahr and Squire Patton Boggs.

Sara is Cochise County's representative on the Cochise Conservation and Recharge Network (CCRN) which is working to implement a regional network of water-management projects that meet the long-term needs of southern Arizona's Sierra Vista Sub-watershed.

Ms. Ransom obtained her undergraduate and law degrees from the University of Arizona. When she is not working, she is traveling, hiking or working on her little mini-ranch outside of Bisbee, Arizona.

Special Guest Interview



Paolo Bacigalupi, Author of *The Water Knife*

Paolo Bacigalupi's writing has appeared in WIRED Magazine, *High Country News*, *Salon.com*, *OnEarth Magazine*, *The Magazine of Fantasy and Science Fiction*, and *Asimov's Science Fiction Magazine*. His short fiction has been anthologized in various "Year's Best" collections of short science fiction and fantasy, nominated for three Nebula Awards, four Hugo Awards, and won the Theodore Sturgeon Memorial Award for best science fiction short story of the year. His short story collection *Pump Six and Other Stories* was a 2008 Locus Award winner for Best Collection and named a Best Book of the Year by Publishers Weekly.

His debut novel, *The Windup Girl*, was named by *TIME Magazine* as one of the ten best novels of 2009, and won the Hugo, Nebula, Locus, Compton Crook, and John W. Campbell Memorial Awards. Internationally, it has won the Seiun Award (Japan), The Ignotus Award (Spain), The Kurd-Laßwitz-Preis (Germany), and the Grand Prix de l'Imaginaire (France).

His debut young adult novel, *Ship Breaker*, was a Michael L. Printz Award Winner, and a National Book Award Finalist, and its sequel, *The Drowned Cities*, was a 2012 Kirkus Reviews Best of YA Book, A 2012 VOYA Perfect Ten Book, and 2012 Los Angeles Times Book Prize Finalist.

He has also written *Zombie Baseball Beatdown* for middle grade children, about zombies, baseball, and, of all things, meatpacking plants. Another novel for teens, *The Doubt Factory*, a contemporary thriller about public relations and the product defense industry was a both an Edgar Award and Locus Award Finalist.

His most recent novels include, *The Water Knife* (2015), *Tool of War* (2017), and *Tangled Lands* (2018) by Paolo Bacigalupi and Tobias Buckell.



Interviewer: **Anthony Flint**,
Senior Fellow, Office of the
President, Lincoln Institute of
Land Policy

Anthony Flint is Senior Fellow in the Office of the President at the Lincoln Institute of Land Policy. He is engaged in writing and research on a variety of topics related to sustainable cities, including infrastructure financing, climate resilience, affordable housing, and the regeneration of post-industrial cities.

A contributor to the Lincoln Institute's magazine *Land Lines* and author of the feature Mayor's Desk, he is also a correspondent at *The Atlantic's CityLab* and *The Boston Globe*, and writes for *The New Republic*, *Metropolis*, *Next City*, *Architect* magazine, *Planning* magazine, *Planetizen*, and many other publications. He is author of *Modern Man: The Life of Le Corbusier, Architect of Tomorrow* (New Harvest); *Wrestling with Moses: How Jane Jacobs Took on New York's Master Builder and Transformed the American City* (Random House); and *This Land: The Battle over Sprawl and the Future of America* (Johns Hopkins University Press); as well as co-editor of *Smart Growth Policies: An Evaluation of Programs and Outcomes* (Lincoln Institute).

He has been a journalist for over 30 years, primarily at *The Boston Globe*, a policy advisor on smart growth for Massachusetts state government, a visiting scholar and Loeb Fellow at Harvard University's Graduate School of Design, a writer in residence at The American Library in Paris, a practitioners fellow at The Rockefeller Foundation Bellagio Center, and a curator and speaker at TEDxBeaconStreet. He earned his B.A. from Middlebury College and an M.S. from Columbia University's Graduate School of Journalism, and attended the University of St. Andrews and the Bread Loaf Writers Conference. *Wrestling with Moses* won a Christopher Award in 2010.

SATURDAY, MARCH 30

Session 6: Innovations in Water Data and Decision Support Tools



Moderator: **Mitch Tobin**,
Director, Water Desk,
University of Colorado

Mitch Tobin is director of the Water Desk, a new journalism initiative at the University of Colorado in Boulder that focuses on Western water issues and the Colorado River.

From 1998 to 2006, Mitch covered water, environmental, and other issues for the Napa Valley Register, Tucson Citizen, and Arizona Daily Star. His 2010 book, *Endangered: Biodiversity on the Brink*, analyzes the impact of the Endangered Species Act and won a gold medal in the Independent Book Publisher Awards. After leaving the newspaper business, Mitch worked at California Environmental Associates and was a lead writer of the Design to Win report that helped inspire foundations to commit \$1 billion to create the ClimateWorks Foundation. As a consultant, he also evaluated foundations' grantmaking on environmental issues. With support from philanthropy, he created EcoWest.org to track environmental trends in the American West and WaterPolls.org to analyze public opinion on water issues.

Mitch has a B.A. in ethics, politics, and economics from Yale and an M.A. in political science from the University of California at Berkeley.



Panelist: **Jeffrey Allenby**,
Director of Conservation
Technology, Chesapeake
Conservancy

Jeffrey Allenby is the Director of Conservation Technology at Chesapeake Conservancy. His team explores new methods to improve the effectiveness and efficiency of the Conservancy's conservation and restoration programs and focuses on developing ways to empower partner organizations.

Before joining the Conservancy, Jeff worked with the University of Maryland Center for Environmental Science and the Maryland Department of Natural Resources, managing a grant program focused on local governments' response to climate change and coastal hazards, and at the Chesapeake Bay Foundation.

Jeff has a master's in environmental management and Certificate in Geospatial Analysis from Duke University and a BS from University of Richmond.



Panelist: George McCarthy,
President and CEO, Lincoln
Institute of Land Policy

Dr. George “Mac” McCarthy is President and CEO of the Lincoln Institute of Land Policy in Cambridge, Massachusetts. The Lincoln Institute seeks to improve quality of life through the effective use, taxation, and stewardship of land. A nonprofit private operating foundation whose origins date to 1946, the Lincoln Institute researches and recommends creative approaches to land as a solution to economic, social, and environmental challenges.

Before joining the Lincoln Institute in 2014, Mac directed Metropolitan Opportunity at the Ford Foundation which sought to provide disadvantaged people better access to good jobs and other opportunities for advancement by supporting regional planning, and coordinated transportation and housing development to alleviate poverty and reduce its concentration in metropolitan areas in the U.S. and developing countries in Asia, Africa, and Latin America.

Mac has worked as Professor of Economics at Bard College, Resident Scholar at the Jerome Levy Economics Institute, Visiting Scholar and Member of the High Table at King’s College of Cambridge University, Visiting Scholar at the University of Naples, Italy, and Research Associate at the Centre for Social Research in St. Petersburg, Russia. Mac received a B.A. in Economics and Mathematics at the University of Montana; an M.A. in Economics at Duke University; and, a Ph.D. in Economics at the University of North Carolina at Chapel Hill.



Panelist: Jessica Norriss,
Policy & Partnerships,
Upstream Tech

Jessie Norriss holds a master’s degree in Water Resource Engineering and Environmental Policy from Tufts University and extensive background in watershed management and geospatial analysis. Jessie’s experience centers on how to leverage technology to yield environmental conservation goals for diverse stakeholders.

Session 7: Preparing for Potential Shortages: Colorado River Drought Contingency Planning



Moderator: Ian James,
Reporter, *The Arizona Republic*

Ian James is a reporter with *The Arizona Republic* who focuses on water and the environment. He has written extensively about climate change and water scarcity in the West. He wrote an award-winning series about the problem of groundwater depletion and how it's affecting farming communities in the United States, India, Peru and Morocco. He has also written about how climate change is shrinking the mountain snowpack across the West and putting growing strains on the Colorado River.

Before joining *The Arizona Republic* in 2018, Ian worked for five years for *The Desert Sun* in Palm Springs, where he developed a specialty in explanatory and investigative reporting on water and environmental issues. He reported on air pollution, drought and local water policy in California, and helped produce a series on the shrinking Salton Sea. In one series of investigations, his reporting revealed that the U.S. Forest Service had for years allowed the bottled water maker Nestlé to pipe water out of a national forest using a permit that listed 1988 as the expiration date. In response to the stories, the Forest Service initiated a review of the company's permit.

Ian's work has won honors including an APME storytelling award, a Best of the West award for environmental reporting, three CNPA awards for environmental reporting, an American Meteorological Society science journalism award, and the Knight-Risser Prize for Western Environmental Journalism.



Panelist: Sandy Bahr, Grand Canyon Chapter Director, Sierra Club

Sandy Bahr is the Chapter Director for the Grand Canyon (Arizona) Chapter of Sierra Club, where her responsibilities include advocating for environmental protection, including climate action, with various state and federal agencies, conducting research, developing and evaluating policies, conducting grassroots outreach and organizing, developing and implementing priority projects, fundraising and budget development, and supervising staff, among others. She has worked actively on environmental protection issues in Arizona for the past twenty-eight years, both as a volunteer and as staff for various organizations.

Sandy monitors and advocates on environmental and energy matters at the Arizona Legislature, the Arizona Corporation Commission, and various state and federal agencies. She has received several awards for her work, including the 2016 Scrapping Bear Award from the Arizona Chapter of the Wildlife Society for her advocacy work relative to wildlife and the Arizona Interfaith Power and Light 2017 SAGE award.

Sandy has an associates in applied science in civil engineering, a bachelors in environmental studies, and a masters in legal studies.



Panelist: Clint Chandler,
Assistant Director, Arizona
Department of Water
Resources

Clint Chandler is the Assistant Director for the Water Planning & Permitting Division of the Arizona Department of Water Resources. The Division is comprised of seven sections: Colorado River Management; Groundwater Permitting and Wells; Surface Water Permitting; Active Management Areas; Active Management Area Planning and Data Management; Assured and Adequate Water Supply and Recharge Permitting; and Statewide Planning and Tribal Liaison. These are the Department's primary planning and policy functions for the management of the State's water supplies.

Clint was U.S. Senator Jeff Flake's Metro Phoenix and Greater Arizona Regional Director. The role included outreach and issue-specific responsibilities for an area that encompasses the entirety of Arizona, except for Cochise, Pima and Santa Cruz Counties. The issue-related tasks included resource and energy policy, transportation topics, border matters, Tribal issues, and, occasionally, banking, labor, and other economic subjects.

He was employed as the field director in the Office of U.S. Senator Jon Kyl, the Republican Whip, for the final four years of the senator's third, and last, term. Prior to his tenure in Senator Kyl's office, Clint's senate experience consisted of three stints with the Office of U.S. Senator Pete V. Domenici of New Mexico. He initially served on Senator Domenici's Capitol Hill staff, attending to budget and tax matters.

Clint is an honors graduate of the University of New Mexico with a triple major in economics, history, and political science.



Panelist: Lorelei Cloud,
Treasurer, Tribal Council,
Southern Ute Indian Tribe

Council Member Lorelei Cloud is a member of the Southern Ute Indian Tribe and proudly serves the Tribal Membership on the Southern Ute Indian Tribal Council. Born and raised on the Southern Ute Reservation, Cloud was elected to Tribal Council in December 2015. During her first term on Tribal Council, she welcomed the opportunity to serve as Vice-Chairman and Treasurer. After being re-elected in December 2018, Cloud continues her service to the Tribal Membership as a member of Council and Treasurer.

Prior to her election, Council Member Cloud worked 5 years as the Land Assistant Supervisor for the Southern Ute Growth Fund's Red Willow Production Company. While employed at the Growth Fund, she was a member of the Southern Ute Growth Fund Art Committee, the Southern Ute Growth Fund Traveling Team, and the Tribal Member Employment Advisory Committee. Council Member Cloud has also gained valuable work experience at Sky Ute Sand and Gravel, Southern Ute Housing Authority, and at the Bank of Colorado.

Council Member Cloud has also served as the Chairman for the Ten Tribes Partnership from 2017-2018. She also has a seat on the Budget Committee, Pension Committee, and the Southern Ute Indian Montessori Academy Parent Advisory Group.

Council Member Cloud is a true advocate for the Ute language, traditions, and culture; actively participating in cultural events and traditional gatherings. She is very passionate about helping the Southern Ute youth, women, and elders.



Panelist: **Michael Cohen**,
Senior Associate, Pacific
Institute

Michael Cohen is a Senior Associate at the Pacific Institute, an Oakland-based non-profit organization, where he works on Salton Sea and Colorado River challenges. He has been a leading Salton Sea advocate for more than 21 years, developing revitalization proposals, promoting timely intervention, and writing articles, reports, and opinion pieces.

He served on the Natural Resources Agency's Salton Sea Advisory Committee from 2004-2007 and is a member of the Salton Sea Task Force's Agency Stakeholder Committee and several of its workgroups. He is the author of the June 2011 Municipal Deliveries of Colorado River Basin Water, detailing changes in population and municipal water deliveries for cities relying at least in part on water from the basin and is the lead author of the May 2013 Water to Supply the Land: Irrigated Agriculture in the Colorado River Basin.

He is the lead author of several other Institute reports, including Missing Water: The Uses and Flows of Water in the Colorado River Delta Region (2001). He is also the co-author of several journal articles on water and the environment in the border region.

Mr. Cohen has a master's degree in Geography, with a concentration in Resources and Environmental Quality, from San Diego State University, and a B.A. in Government from Cornell University.



Panelist: **Jim Lochhead**,
CEO/Manager, Denver Water

Jim Lochhead was appointed Denver Water's CEO/Manager in 2010. Lochhead leads nearly 1,100 employees at Denver Water overseeing work to provide a reliable water supply to the City of Denver and surrounding suburbs where Denver Water has service contracts. Lochhead also oversees the stewardship of a resilient collection, treatment and distribution system that includes 4,000 miles of watershed land, 20 reservoirs, four treatment plants and 3,000 miles of pipe.

Lochhead currently serves on the boards of the Association of Metropolitan Water Agencies, the Water Research Foundation, the Water Utility Climate Alliance, the Water Foundation and the Denver Botanic Gardens.

Prior to Denver Water, Jim was in private law practice, dealing with natural resource issues throughout the United States and internationally. He was also executive director of the Colorado Department of Natural Resources. He was the Colorado governor's representative on interstate Colorado River operations, and served on the Colorado Water Conservation Board, Great Outdoors Colorado, The Nature Conservancy and Colorado Conservation Trust.

Lochhead received the 2014 Wayne N. Aspinall "Water Leader of the Year" award from the Colorado Water Congress and the 2015 President's Award from the Colorado Foundation for Water Education, given to a person with a history of doing meaningful work in the field of water.



Panelist: Kevin Moran, Senior Director, Ecosystems Water Program, Environmental Defense Fund

Kevin Moran is the Senior Director of EDF's Western Water Program, directs strategy and operations for EDF's program in the seven Colorado River Basin states. EDF works to reverse groundwater depletion, incentivize water conservation and innovation to benefit both economic security and ecosystems, and balance water supply and demand in the Colorado River Basin.

Kevin approaches water management issues with a public policy and strategic communications expertise developed over 20 years, more than a decade of which was in corporate leadership.

Kevin earned a B.A., History, from Brown University, a J.D. from ASU's Sandra Day O'Connor College of Law, and an MBA, Thunderbird School of Global Management. He is based in Phoenix.



Panelist: Leslie Meyers, Area Manager, Phoenix Area Office, U.S. Bureau of Reclamation

Leslie A. Meyers is the Area Manager for the Phoenix Area Office of the U.S. Department of Interior's Bureau of Reclamation. At Reclamation, Leslie began her career in Operations, writing and negotiating operating agreements for Roosevelt Dam and the Central Arizona Project facilities. Additionally, she has managed Reclamation's outreach programs including planning, accessibility, drought, and water conservation.

As the Area Manager, Leslie is very active in the oversight of the Reclamation's projects in Arizona, the Salt River Project and the Central Arizona Project, and in statewide water resource issues with a wide range of constituents ranging from Native American Tribes to Agricultural and Municipal water users. These efforts include water conservation and reuse, water quality and desalination, water sufficiency, and water development.

Leslie has a Bachelor of Science Degree in Civil Engineering, with an emphasis in Water Resources and Environmental Engineering, from Texas A&M University and is a registered professional Civil Engineer in the state of Arizona.




Panelist: Roberto Salmón,
Mexican Commissioner,
Mexico-United States
International Boundary and
Water Commission

Roberto Salmón Castelo, Mexican Commissioner, for the International Boundary and Water Commission (Comisión Internacional de Límites y Aguas, CILA), has a wide range of experience in hydraulic projects. He was Northwest Regional Manager of the National Water Commission (CONAGUA) from 2002 to 2006 and from then until 2008 he served as General Manager of the Northwest Basin Unit based in Hermosillo, Sonora.

He also served as Treasurer of the University of Sonora, as well as Administrative Chairman of the Department of Business Administration of the same university. Additionally, Mr. Salmón Castelo was Planning and Special Projects Director for the Sonora Center for Research and Development in Natural Resources and has remained a partner in a variety of companies that carry out basin management projects and environmental studies.

He has a Bachelor of Science in Agriculture from the University of Arizona, where he also received a Master of Science degree in the same field. Additionally, he is doing advanced studies in Water Resource Administration at the University of Arizona and is currently a candidate for a doctoral degree there.

Lunch Keynote Addresses

 A portrait of Terry Fulp, a middle-aged man with short, light-colored hair, wearing a dark blue blazer over a light blue button-down shirt. He is smiling slightly and looking directly at the camera. The background is a blurred outdoor landscape with mountains and a clear sky.	<p>Dr. Terrance (Terry) Fulp, Ph.D., is the Regional Director of the Bureau of Reclamation's Lower Colorado Region. Headquartered in Boulder City, Nevada. The Region encompasses the last 700 miles of the Colorado River to the Mexican border, which includes most of Arizona, southern Nevada, and southern California.</p> <p>A Reclamation employee since 1989, Terry is responsible for implementing the Secretary of the Interior's water master functions in the Lower Basin, including water delivery, accounting, and contracting. Terry oversees hydropower operations and maintenance for Regional facilities including Hoover Dam, as well as the implementation of the Lower Colorado River Multi-Species Conservation Program, a multi-agency effort to conserve and work towards the recovery of endangered species and to protect and maintain wildlife habitat on the lower Colorado River.</p> <p>Terry has been instrumental in the negotiation and execution of several major water policy initiatives in his career. These include guidelines for the coordinated operation of Lake Powell and Lake Mead, in place through 2026, and binational agreements pursuant to the 1944 Treaty with Mexico for Colorado River management, also in place through 2026.</p>
<p>Terry Fulp, Lower Colorado Regional Director, U.S. Bureau of Reclamation</p>	
 A portrait of Roberto Salmón, a middle-aged man with dark hair, wearing a dark suit jacket, a white shirt, and a dark tie. He is looking directly at the camera with a neutral expression. The background is an indoor setting with bookshelves.	<p>Roberto Salmón Castelo, Mexican Commissioner, for the International Boundary and Water Commission (Comisión Internacional de Límites y Aguas, CILA), has a wide range of experience in hydraulic projects. He was Northwest Regional Manager of the National Water Commission (CONAGUA) from 2002 to 2006 and from then until 2008 he served as General Manager of the Northwest Basin Unit based in Hermosillo, Sonora.</p> <p>He also served as Treasurer of the University of Sonora, as well as Administrative Chairman of the Department of Business Administration of the same university. Additionally, Mr. Salmón Castelo was Planning and Special Projects Director for the Sonora Center for Research and Development in Natural Resources and has remained a partner in a variety of companies that carry out basin management projects and environmental studies.</p> <p>He has a Bachelor of Science in Agriculture from the University of Arizona, where he also received a Master of Science degree in the same field. Additionally, he is doing advanced studies in Water Resource Administration at the University of Arizona and is currently a candidate for a doctoral degree there.</p>
<p>Roberto Salmón, Mexican Commissioner, Mexico-United States International Boundary and Water Commission</p>	



Governor Stephen R. Lewis,
Governor, Gila River Indian
Community

Stephen Roe Lewis was raised in Sacaton, “Gu-u-Ki”, on the Gila River Indian Community. His parents are Rodney and Willardene Lewis. His paternal grandparents are the late Rev. Roe Blaine and Sally Lewis. His maternal grandparents are the late Willard and Catherine Pratt.


He graduated from Arizona State University with a Bachelors of Science and pursued graduate studies at John F. Kennedy School of Government at Harvard University.

Governor Lewis has served the Community as a Gaming Commissioner for the Gila River Gaming Commission, as a member of the Board of Directors for the Gila River Telecommunications, Inc., and as a member of the Board of Directors for the Gila River Healthcare Corporation.

Governor Lewis has worked on numerous political campaigns and organizing projects throughout Indian Country including Native voter organizing and Native voter protection in 2002 and selected as an Arizona delegate and Co-Chairing the Native American Caucus for the 2012 Democratic National Convention in Charlotte, North Carolina.

Governor Lewis currently oversees the implementation of the Community’s Water Settlement of 2004 (the largest water settlement of its kind in United States history). Governor Lewis advocates for renewable and green technologies guided by O’otham agricultural history and cultural teachings. Governor Lewis’s vision is to support a new generation of Community member agriculturalists with the goal of promoting and protecting the Community’s shudag (water) and agricultural development for future generations.

Session 8: Toward Sustainable Futures for the Colorado River

	<p>Matt Jenkins, a Berkeley-based freelance journalist, has covered the Colorado River for nearly two decades. A longtime contributor to <i>High Country News</i>, he has also written for <i>The New York Times</i>, <i>Smithsonian</i>, <i>Men's Journal</i> and other publications.</p> <p>For much of the past decade, his work focused on water, drought and climate change in the western United States. He has covered the Navajo tribe's quest to win valuable water rights; the unintended environmental damage caused by water-efficiency projects; and Los Angeles' efforts to use Wall Street risk-management techniques to protect itself against water shortages.</p> <p>His coverage of Las Vegas' proposal to build the largest groundwater pumping project in U.S. history received a James V. Risser Prize for Western Environmental Journalism, and his work has been supported by the Fund for Investigative Journalism and the International Reporting Project. He graduated from Carleton College with a B.A. in Asian Studies.</p>
<p>Moderator: Matt Jenkins, Freelance Journalist</p>	<p>Anne Castle is a senior fellow at the Getches-Wilkinson Center for Natural Resources, Energy, and the Environment at the University of Colorado, focusing on western water policy issues. From 2009 to 2014, she was Assistant Secretary for Water and Science at the U.S. Department of the Interior where she oversaw water and science policy for the Department and had responsibility for the U.S. Bureau of Reclamation and the U.S. Geological Survey.</p> <p>While at Interior, Castle spearheaded the Department's WaterSMART program, which provides federal leadership on the path toward sustainable water supplies and was the driving force behind the 2010 federal MOU addressing sustainable hydropower. Castle also provided hands-on leadership on Colorado River issues and was the Chair of the Glen Canyon Dam Adaptive Management Work Group and a champion of Minute 319 between the US and Mexico. Castle is a recovering lawyer, having practiced water law for 28 years with the Rocky Mountain law firm of Holland & Hart.</p>
<p>Panelist: Anne Castle, Senior Fellow, Getches-Wilkinson Center for Natural Resources, University of Colorado, Boulder</p>	



Panelist: **Pat Mulroy**, Senior Fellow, William S Boyd School of Law, University of Nevada, Las Vegas

Pat Mulroy serves as a Non-resident Senior Fellow for Climate Adaptation and Environmental Policy for The Brookings Institution and as a Practitioner in Residence for the Saltman Center for Conflict Resolution at the UNLV William S. Boyd School of Law. Mulroy also serves on the Wynn Resorts Ltd Board of Directors. Between 1989 and early 2014, Pat served as General Manager of both the Las Vegas Valley Water District and the Southern Nevada Water Authority (SNWA).

Mulroy was a principal architect of the SNWA, helping to guide Southern Nevada through one of the worst droughts in the history of the Colorado River. At UNLV's Boyd School of Law, Mulroy's focus is on helping communities in water-stressed areas throughout both the American Southwest and the world develop strategies to address increased water resource volatility and identify solutions that balance the needs of all stakeholders.



Panelist: **Jennifer Pitt**, Colorado River Program Director, Audubon

Jennifer Pitt joined Audubon in December 2015 to advise the organization's strategies to protect and restore rivers throughout the Colorado River Basin. At Audubon she continues to lead the United States-Mexico collaboration to restore the long-desiccated Colorado River Delta. She serves as the U.S. co-chair of the bi-national work group whose partners will, through 2026, implement existing treaty commitments providing environmental flows and habitat creation.

Prior to joining Audubon, Jennifer spent 17 years working to protect and restore freshwater ecosystems in the Colorado River Basin at the Environmental Defense Fund. With partners, she led the conservation community's efforts to prioritize and implement restoration of the Colorado River Delta, and she worked with Colorado River stakeholders to produce the unprecedented Colorado River Basin Supply and Demand Study, the first federal assessment of climate change impacts in the basin and the first basin-wide evaluation of the impacts of river system operation on water supply reliability and river health.

Jennifer has also worked at the National Park Service headquarters and in Mesa Verde and Sequoia National Parks, as a legislative assistant to U.S. Congressman Mike Kopetski, and in the headquarters office of the NYC Department of Parks and Recreation.

Jennifer graduated from Harvard University and received a master's in Environmental Science and Policy from the Yale School of Forestry and Environmental Studies.





Panelist: Dave White,
Director, Decision Center for a
Desert City, Arizona State
University

Dave D. White is Professor in the Arizona State University School of Community Resources and Development, Director of the ASU Decision Center for a Desert City, and Senior Sustainability Scientist in the Julie Ann Wrigley Global Institute of Sustainability.

White is internationally recognized for his contributions to science in support of sustainable development. He has published more than 50 peer-reviewed scientific journal articles advancing numerous fields including decision science, science and technology studies, sustainability science, and natural resources management. White is a contributing author to the Fourth U.S. National Climate Assessment. His work has been covered in popular media including *The New York Times*, *Wall Street Journal*, and National Public Radio. White is a recipient of the President's Medal for Social Embeddedness from Arizona State University and the Celebrating Natural Resources Award from the University of Idaho.

Session 9: Practicing the Craft: Covering Water and Public Awareness about Water and Land Connections

	<p>Mi-Ai Parrish is the Sue Clark-Johnson Professor in Media Innovation and Leadership. She also is the CEO and President of MAP Strategies Group, based in Phoenix.</p> <p>Previously, she was president and publisher of USA TODAY NETWORK Arizona, The Arizona Republic and azcentral.com. She served as president and publisher of the Kansas City Star and kansascity.com for four years and president and publisher of Idaho's largest media company for five years prior to that. She was a journalist for 15 years, ranging from the <i>Chicago Sun-Times</i>, <i>San Francisco Chronicle</i>, <i>The Arizona Republic</i>, (Minneapolis) <i>Star-Tribune</i> and <i>Virginian-Pilot</i>.</p> <p>Parrish is the recipient of the 2017 Athena Businesswoman of the Year, 2017 Asian Corporate and Entrepreneur Leader Champion, 2016 PSA Behavioral Health Champion and winner of Best Opinion Writing for USA TODAY NETWORK.</p> <p>She is an award-winning writer and international speaker. Her commentaries on the First Amendment and leadership have reached millions worldwide and been covered by international media. She serves as secretary of Greater Phoenix Leadership, vice-chairwoman of Banner Health Foundation and on numerous other boards.</p> <p>Parrish was the first female publisher of the <i>Kansas City Star</i>, the first Korean-American publisher in mainstream media and the first minority to serve as publisher of <i>The Arizona Republic</i>.</p>
<p>Moderator: Mi-Ai Parrish, Sue Clark-Johnson Professor in Media Innovation and Leadership, Arizona State University</p>	
	<p>Elizabeth Hightower Allen is the Features Editor of <i>Outside Magazine</i>. During her 20-year career at <i>Outside</i>, she also wrote the magazine's Natural Intelligence column; about the green movement in the late 2000s.</p> <p>She has edited long-form features on the Colorado River, the Dolores River, and Utah's proposed Lake Powell Pipeline. Two features she edited on the benefits of nature on human health have been nominated for National Magazine Awards, including one in 2019.</p> <p>She lives on the raging Santa Fe River in Santa Fe, New Mexico, with her husband (a former Colorado River guide), their daughter, two dogs, and a cat.</p>
<p>Panelist: Elizabeth Hightower Allen, Features Editor, <i>Outside Magazine</i></p>	



Panelist: Cynthia Barnett,
Environmental Journalist in
Residence, University of
Florida College of Journalism
and Communications

Cynthia Barnett is an award-winning environmental journalist who has reported on water and climate change around the world. Her latest book is *Rain: A Natural and Cultural History*, longlisted for the National Book Award and a finalist for the 2016 PEN/E.O. Wilson Literary Science Writing Award. Ms. Barnett is also the author of *Blue Revolution: Unmaking America's Water Crisis*, which articulates a water ethic for America. Ms. Barnett has written for *National Geographic* magazine, the *New York Times*, *Los Angeles Times*, *Wall Street Journal*, the *Atlantic*, *Discover* magazine, *Salon*, *Politico*, *Orion*, *Ensi*a and many other publications.

Her numerous journalism awards include a national Sigma Delta Chi prize for investigative magazine reporting and eight Green Eyeshades, which recognize outstanding journalism in 11 southeastern states. She earned her bachelor's degree in journalism and master's in American history with a specialization in environmental history, and was a Knight-Wallace Fellow at the University of Michigan, where she spent a year studying freshwater.

Ms. Barnett teaches environmental journalism and nature and adventure writing at the University of Florida's College of Journalism and Communications in Gainesville, where she lives with her husband and children.



Panelist: Sinjin Eberle,
Communications & Visual
Media Director, *American
Rivers*

Sinjin believes that open spaces, wild landscapes, and free-flowing rivers deserve all the respect and reverence we can possibly afford them. With that in mind, he enthusiastically pursues his role with *American Rivers* and strives to raise the profile and prominence of the organization across the country. With a bachelor's degree in Environmental Science from Ball State University, and an extensive background in whitewater rafting, mountain biking, mountaineering, and mountain rescue, exploration of the outdoors is paramount to his life and career.

Primarily a writer, photographer, and creator of short films, he is versed in broad conservation issues of the Colorado Basin and the west, particularly water supply issues and protection of the Colorado River itself. Driving communications and advocacy across the west is a thrilling and consuming adventure, and one met with optimism and gusto. He lives in Durango, Colorado, commonly known as "Paradise".