



# Science Policy Workshop Bozeman 500WS

## Meeting Agenda

**9:45-10:** Check-In, Coffee

**10-10:15:** Introductions  
Bozeman 500WS Leadership and Union of  
Concerned Scientists

**10:15-11:15:** What is happening now in MT?  
An overview of top priorities affecting the state of  
Montana from two of our local current lawmakers.  
Speakers: Zach Brown and Walt Sales

**11:15-11:30:** Break

**11:30-12:00:** How a bill becomes law.  
An overview of the political science process.  
Speaker: Kathleen Williams

**12:00-12:30:** Connecting state and federal policy  
We will share an overview of avenues where science  
can be introduced into federal policymaking, and  
the importance of the role of science in federal  
decision-making.  
Speaker: Joanna Nadeau

# Meeting Agenda

12:30-1:15: Lunch (provided)

1:15-2: How does science get incorporated into local and state bills?  
Strategies to integrate scientific research into policymaking. Williams and Quammen will discuss their own experiences and share tips for advancing science in policy, followed by an open and interactive Q&A.  
Speakers: Kathleen Williams and David Quammen

2-3: How can scientists communicate their research with lawmakers in an effective way?  
This session will cover coming of age in the “enlightened” era, the importance of science communication skills, how science intersects with the interests of the public, how to use CWA, CAA, NEPA, and MEPA to advocate for sound science in government decisions, and what happens after MT legislature passes a law.  
Speaker: Beth Kaeding

3-3:15: Coffee Break

3:15-4:15: Communicating science to policymakers  
Interactive workshop (work funded through NSF IGE Grant 1735124). We will talk about storytelling as a powerful way to convey information, how to make science relevant and relatable to policy makers and other non-experts.  
Speakers: Shannon Willoughby and Kent Davis

## Meeting Agenda

**4:15-5:** Interactive group session follow up, how you can tell your story with focus on talking directly to policymakers.

**5:30-7:** Please join us for a social at 406 Brewery. Drinks and food provided.

Funding and support for this workshop was provided by the Union of Concerned Scientists, Science for Public Good grant. A huge thanks you to all our speakers for their time and expertise!



**[ Union of  
Concerned Scientists**  
Science for a healthy planet and safer world

## Speaker Bios

**Zach Brown:** Democrat for Bozeman's House district 63 and is a program manager for One Montana. He has served on the committees for Taxation, Natural Resources, Fish, Wildlife & Parks, and Water Policy Interim Committee. In addition he serves on the Private Lands Public Wildlife Council and is a Harry S. Truman Scholar, Morris K. and Steward L. Udall Scholar, and a 2013 Newman Civic Fellows award winner.

**Walt Sales:** Republican for Manhattan's House district 69. He serves on the committees for State Administration, Agriculture, and Human Services. He is a long-time representative for Montana and has extensive expertise in the process of policymaking within the state.

**Kathleen Williams:** A three-term state legislator who has a 33-year career in natural resources policy. She currently works for the Western Landowners Alliance, an organization of conservation-minded farmers and ranchers in the North American West. While representing Eastern Bozeman in the Legislature, she was Vice Chair of the Agriculture and Taxation committees. She negotiated the CSKT Water Compact, voted to expand Medicaid, advanced the state Earned Income Tax Credit, stood up to insurance companies and forced them to cover routine cancer care, and fought for non-discrimination and a woman's right to choose. She is an avid hunter, angler, skier, and mountain biker. She currently lives in Bozeman with her German wirehair pointer, Danni.

**Joanna Nadeau:** Outreach coordinator for the Center for Science and Democracy at the Union of Concerned Scientists. In her role, she helps scientists and other experts get involved in serving as watchdogs for science, and mobilizes Science Network members to push back against attempts by Congress to cut vital science-based public protections. Prior to joining UCS, Joanna worked for Audubon International as director of community programs, where she brought technical experts, community members, and policymakers together to shape local sustainability policies. She earned a B.S. in biology from Haverford College, and holds an M.S. in environmental and healthy city planning and a water policy certificate from the University of Arizona.

## Speaker Bios

**David Quammen:** Bozeman resident and sci-fi author and non-fiction science journalists. Over 30 years he has published hundreds of pieces of short nonfiction, including articles for *National Geographic*, *Outside*, *Esquire*, *The Atlantic*, and *Rolling Stone*. He is recipient of awards from the American Academy of Arts and Letters and the National Magazine.

**Beth Kaeding:** Received her B.S. and M.S. degrees in Fish and Wildlife Management from Montana State University. She worked as a biologist in the Canadian Arctic, eastern Montana, and Utah before joining the National Park Service, where she was employed for 17 years as a resource management specialist, NEPA compliance specialist, and interpretive planner. For more than 40 years she has been an environmental advocate focusing on ensuring that government decisions include sound science and adequate consideration of alternatives that protect important natural resources. Beth has been a member-leader of Northern Plains Resource Council for more than 25 years, serving as Chair in 2007-2009. She has been a "citizen lobbyist" at the Montana legislature during every session since 1991, testifying at hearings and advocating for issues of importance to Northern Plains.

**Shannon Willoughby:** Assistant Professor in Physics at Montana State University. She received her doctorate degree from Tulane University and was a postdoctoral fellow Colorado School of Mines and the National Institute of Standards and Technology. She is a leader in the NSF funded Fostering Effective Oral Communication Skills for STEM Graduate Students program.

**Kent Davis:** Professor with the Honors College at Montana State University and is part of the Texts and Critics Syllabus Committee. Kent Davis has spent most of his life making stories. He is an author, game designer, and actor. The first two books in his kidlit fantasy steampunk series, *A RIDDLE IN RUBY*, are on sale everywhere you can buy books. The third volume in the Ruby trilogy, *THE GREAT UNRAVEL* was released in November, 2017.