

Cross-Boundary Landscape Restoration Workshop

Adapt to a Climate Altered West • May 2 – 4, 2023

Lory Student Center (3rd Level), Colorado State University, Fort Collins, Colorado

WORKSHOP OBJECTIVES

- Share successes and lessons learned on cross-boundary, collaborative efforts to restore and reimagine fire-adapted forest landscapes
- Explore gaps and needs to better incorporate diversity, equity, inclusion, and justice in forestry, fuels, and fire research, and management
- Co-develop recommendations, strategies, and resources for collaborative landscape-scale restoration projects

Join us for a special presentation by
Stephen Pyne,
author of *The Pyrocene*

Monday, May 1st 6-8pm
Open to the Public!
CSU University Center for
the Performing Arts

AGENDA

TUESDAY MAY 2ND • Lory Student Center Ballroom

8:30am to 10:00am Coffee Social, Registration, Poster set-up (Lory Student Center, 3rd Level)

PART I: SETTING THE STAGE AND SHARING NOVEL CHALLENGES

10:00 – 10:25am **WELCOME AND WORKSHOP GOALS (BALLROOM C/D)**

Tony Cheng, Colorado Forest Restoration Institute, Colorado State University
James Calabaza, Trees, Water, and People

10:25 – 11:25am **KEYNOTE PRESENTATIONS (BALLROOM C/D)**

Reimagining fire-adapted forests: place-based adaptation strategies for western landscapes

Susan Prichard, Fire Ecologist, University of Washington School of Environmental and Forest Sciences
John Waconda, Indigenous Partnerships Program Director, The Nature Conservancy

11:25 – 11:45am **A PANEL INTERVIEW WITH SUSAN PRICHARD AND JOHN WACONDA (BALLROOM C/D)**

Insights for adapting to rapidly changing ecological, social, and political climates

11:45 – 1:15pm **Lunch Provided and Networking**

1:15 – 2:05pm **CONFRONTING NOVEL CHALLENGES (BALLROOM C/D)**

Jay Smith, Coconino County Forester, Arizona; Policy perspectives
Bob Sturtevant, Conservation Chair, Ben Delatour Scout Ranch; Prescribed fire escape
Daniel Denipah, Forestry Director, Santa Clara Pueblo; Reforestation
Sarah McCaffrey, Ret. Social Scientist, USDA Forest Service Rocky Mountain Research Station

2:05 – 3:30pm **SHARING NOVEL CHALLENGES BREAKOUT DISCUSSIONS**

(300, 308, 310, 312, 322, 324, SENATE CHAMBER ON 2ND LEVEL)

Facilitated small group discussions for all participants to share cross-boundary challenges

3:30 – 4:00pm **Networking Break, Snacks Provided**

4:00 – 5:15pm **CO-EXISTING WITH FIRE – WHERE ARE WE SUCCESSFUL? (BALLROOM C/D)**

Stephen Pyne, Author & Emeritus Professor, Arizona State University
Emily Hohman, Fire Learning Network
Jeremy Marshall, Santa Fe National Forest
James White, USDA Forest Service Rocky Mountain Region

5:15 – 5:30pm **CO-EXISTING WITH FIRE – POLICY PERSPECTIVES (BALLROOM C/D)**

Joe Neguse, U.S. Congressman, Colorado 2nd District

5:30 – 7:30pm **POSTER SOCIAL AND COCKTAIL HOUR (BALLROOM A/B/C/D)**

Explore posters describing cross-boundary tools and case studies. Enjoy food, alcoholic and non-alcoholic beverages, while getting to know other cross-boundary partners!

PART II: INTEGRATING ADAPTATION INTO PLANNING AND IMPLEMENTATION

- 8:30 – 8:35am** **PREVIOUS DAY HIGHLIGHTS AND AGENDA REVIEW (BALLROOM C/D)**
Amy Waltz, Ecological Restoration Institute, Northern Arizona University
- 8:35 – 9:05am** **RESPONDING TO CLIMATE CHANGE: MANAGING, ADAPTING & NOVEL ISSUES (BALLROOM C/D)**
Chris Swanston, Director, Office of Sustainability and Climate, USDA Forest Service
- 9:05 – 10:25am** **LIGHTNING TALKS: ACTIONABLE CLIMATE ADAPTATION (BALLROOM C/D)**
Marin Chambers, Colorado Forest Restoration Institute; Reforestation Pipeline: Challenges and Opportunities
Hannah Ertl, Trees, Water, and People: Reforestation
Thomas Timberlake, USDA Forest Service, Pacific Northwest Research Station; Climate Vulnerability Assessments and Strategy
Anita Rose USDA Forest Service, Region 3: Climate Adaptation in the Southwest
Brian Miller, United States Geological Survey and North Central Climate Adaptation Science Center; Adaptation on National Park Systems
Lauren Kramer, USDA Southwest Climate Hub and Courtney Peterson, Colorado State University; Using adaptation tools with managers. Diffusion of climate adaptation learning
- 10:25 – 10:45am** **Networking Break, Snacks Provided**
- 10:45 – 12:15pm** **ADAPTING TO CLIMATE BREAKOUT DISCUSSIONS**
(300, 302, 302A, 304, 306, 308, 310, 312, 322, 324, 204 SENATE CHAMBER ON 2ND LVL, BALLROOM A)
Facilitated small group discussions for all participants to share climate adaptation strategies
- 12:15 – 1:30pm** **Lunch Provided and Networking**
- 1:30 – 2:30pm** **INCORPORATING CROSS-BOUNDARY PLANNING & IMPLEMENTATION INTO FIRE-ADAPTED SYSTEMS: STATE FORESTRY BARRIERS AND OPPORTUNITIES FOR ADAPTATION (BALLROOM C/D)**
Tom Torres, Arizona State Forester
Matt McCombs, Colorado State Forester
Laura McCarthy, New Mexico State Forester
- 2:30 – 2:50pm** **PLANNING AND IMPLEMENTATION: NOVEL SOLUTIONS TO NOVEL PROBLEMS (BALLROOM C/D)**
CASE STUDY HIGHLIGHT: THE WOOD FOR LIFE PROGRAM
Chas Robles, Ancestral Lands Conservation Corps
Sasha Stortz, National Forest Foundation
- 2:50 – 3:20pm** **Networking Break, Snacks Provided**
- 3:20 – 4:50pm** **PLANNING AND IMPLEMENTATION CASE STUDY PEER LEARNING SESSIONS**
Classroom sessions for all workshop participants to learn from each other through sharing case study examples of moving to action in specific topic areas

Fire: Implementing wildfire and prescribed fire management strategies Mike Caggiano (USFS), Emily Hohman (FLN)	Funding Innovation for Collaborative Restoration: Partner-led Models Emily Olsen (NFF), Jack Pritchard (NFF), Matt Nykiel (NFF)	CFLRP & Joint Chiefs Implementation Lessons Learned for All Landscapes Bryce Esch (USFS), Lindsay Buchanan (USFS), Matt Vandersande (NRCS), Ben Harms (USFS)
Climate: Utilizing the NIACS Adaptation Workbook for project planning – How do we implement adaptation? Courtney Peterson (CSU), Shelley Crausbay (USFS - OSC)	Connecting with Communities Immediately Post-Fire: HP-CC and Cameron Peak fires Patti Dappen, Staci Matlock and Dana Heusinkveld (NMFWR), Daniel Bowker and Hally Strevey (CPRW), Jill Oropeza (Fort Collins Utilities)	Collaboration: Collaborative Stages of Readiness as a Framework for Building Collaborative Implementation Ch'aska Huayhuaca-Frye (CFRI), Alan Barton (NMFWR), Aaron Kimple (SWERI)
Post-fire Reforestation Decision Support Tools & Examples of Implementation Kyle Rodman (ERI), Paula Fornwalt (USFS RMRS), Catherine Schleogel (TNC), Allie Rhea (CFRI)	Communicating Complex Science Susan Prichard (UW), Tayloe Dubay (ERI), Hannah Brown (CFRI)	Condition-based NEPA with Stakeholder co-production: a story from 4FRI Patrick Moore (USFS), Amy Waltz (ERI)
Forest Operations, Biomass Utilization, and Workforce Development Han Sup Han (ERI)	Tribal-led Forestry, PL 93-638, and Tribal Resiliency for Adaptation Jon Martin (ERI), John Waconda (TNC)	

4:50 – 5:00pm **TOMORROW'S EXPECTATIONS FOR DEVELOPING RECOMMENDATIONS**

5:00pm **ADJOURN, Dinner on your own**

PART III: RECOMMENDATIONS FOR GRASS ROOTS AND LEADERSHIP ADAPTATION OPPORTUNITIES

- 8:30 – 8:35am** **PREVIOUS DAY HIGHLIGHTS AND AGENDA REVIEW (BALLROOM C/D)**
Brett Wolk, Colorado Forest Restoration Institute, Colorado State University
- 8:35 – 8:55am** **WHERE SCIENCE, MANAGEMENT AND POLICY ALIGN (BALLROOM C/D)**
Frank McCormick, Interim Director, Rocky Mountain Research Station, USDA Forest Service
- 9:00 – 9:30am** **PERFORMANCE METRICS – HOW DO WE MEASURE SUCCESS AND NEEDS FOR ADAPTIVE MANAGEMENT (BALLROOM C/D)**
Matt Thompson, USDA Forest Service Rocky Mountain Research Station; Performance Metrics to Drive Action
- 9:30 – 10:30am** **ALIGNING RECOMMENDATIONS, LEADERSHIP CONSTRAINTS, PERFORMANCE METRICS, AND OPPORTUNITIES FOR ADAPTATION (BALLROOM C/D)**
PERSPECTIVES FROM WORKSHOP PARTICIPANTS
Table-top discussions for all workshop participants to co-develop recommendations, strategies, and resources for collaborative, cross-boundary landscape restoration
- 10:30 – 11:00am** **Networking Break, Snacks Provided**
- 11:00 – 12:00pm** **PERSPECTIVES FROM TRIBAL, NON-GOVERNMENTAL, AND LOCAL LEADERSHIP (BALLROOM C/D)**
ADAPTATION THEMES FROM WORKSHOP PARTICIPANTS: RAPID SUMMARY
Perspectives from Tribal, Non-Governmental Organizations, and Municipal Leadership
Susan Johnson, USDA Forest Service, Tribal Projects Coordinator
Emery Cowan, Rural Voices for Conservation Coalition
Christina Burri, Denver Water
- 12:00 – 1:15pm** **Lunch Provided and Networking**
- 1:15 – 2:45pm** **FACILITATED DIALOGUE ALIGNING RECOMMENDATIONS, LEADERSHIP CONSTRAINTS, PERFORMANCE METRICS, AND OPPORTUNITIES FOR ADAPTATION (BALLROOM C/D)**
ADAPTATION THEMES FROM WORKSHOP PARTICIPANTS
Joan Mooney, U.S. Department of Interior, Principal Deputy Assistant Secretary for Policy Management and Budget
Meryl Harrell, U.S. Department of Agriculture, Deputy Undersecretary for Natural Resources and Environment
- 2:45 – 3:00pm** **THANK YOU AND ADJOURN!**

EXPECTATIONS

Each member of the Colorado State University community has a responsibility to uphold the CSU Principles of Community when engaging with CSU staff, students, and visitors. By upholding these principles, we also create an environment for learning, critical inquiry, and discovery that empowers workshop participants to share experiences, strategies, and recommendations for cross-boundary landscape restoration. These principles are:

- **INCLUSION:** We create and nurture inclusive environments and welcome, value and affirm all members of our community, including their various identities, skills, ideas, talents and contributions
- **INTEGRITY:** We are accountable for our actions and will act ethically and honestly in all our interactions.
- **RESPECT:** We honor the inherent dignity of all people within an environment where we are committed to freedom of expression, critical discourse and the advancement of knowledge.
- **SERVICE:** We are responsible, individually and collectively, to give of our time, talents and resources to promote the well-being of each other and the development of our local, regional and global communities.
- **SOCIAL JUSTICE:** We have the right to be treated and the responsibility to treat others with fairness and equity, the duty to challenge prejudice and to uphold the laws, policies and procedures that promote justice in all respects.

This Event is Hosted By



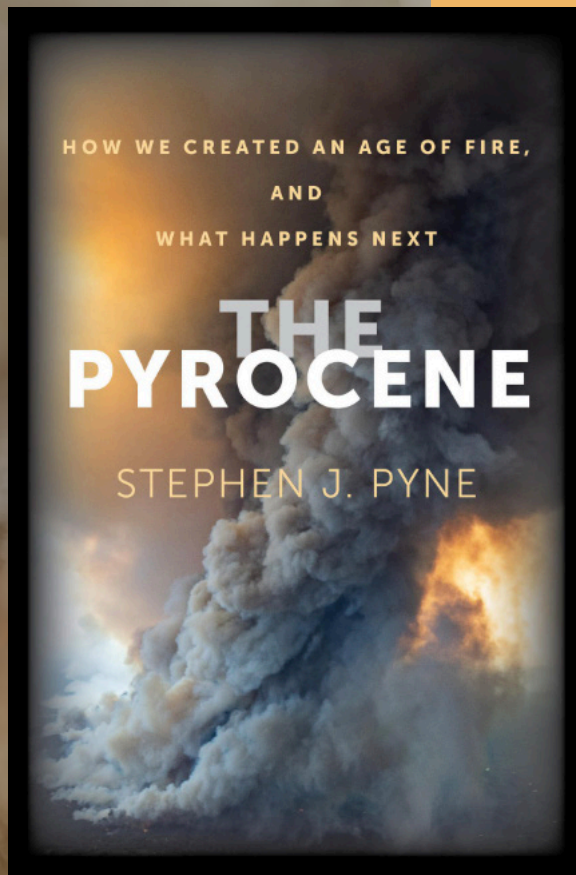
Thanks To Our Workshop Sponsors!



TUESDAY MAY 2ND • 5:30 – 7:30pm Evening Poster Session

AUTHOR	POSTER TITLE
Alan Barton, Michael Caggiano, Tony Cheng, Melanie Colavito, Patti Dappen, Dana Heusinkveld, Aaron Kimple, Andrew Sanchez Meador, Brooke Simmons, Katahdin Withnall, Brett Wolk	RESHAPE (Reshaping Wildfire and Fuels Treatment Information)
Cynthia S. Brown, Hannah Ertl, Dan Bean, Zeynep Ozsoy, Farley Ketchum Sr., and Emily Swartz	Can tamarisk beetle pheromone lures lead to reduced re-growth of tamarisk following tree cutting?
Ariel Demarest, Paula Fornwalt, Brett Wolk, Miranda Redmond, Kyle Rodman	Ecological restoration treatments shape plant community composition in Colorado dry conifer forests
Scott Franklin, Justin Yow	Topo-Climatic Effects On Fuel Loading In Ponderosa Pine (Pinus Ponderosa) Forests Of The Colorado Rocky Mountains
Alison Goodrich, Jamie Woolet, Camille Stevens-Rumann	The Decline of Pinyon Pine: Regeneration Through Enhanced Germination
Laura Hanna	Data Science Across Boundaries: Characterizing the Rio Chama Landscape
Lauren Lad, Wade T. Tinkham, Camille S. Stevens-Rumann	Re-Greening Trees: Assessing Post-Fire Changes to Individual Tree Health and Mortality at the Calwood Education Center
Elizabeth Pansing, Brian Morris	Landscape-scale, cross-jurisdictional assessment of the post-fire restoration need in Klamath and Lake Counties, Oregon; A collaborative approach to all-lands recovery
Ashlynn Piwowarczyk, Camille Stevens-Rumann, Jamie Woolet	Understanding Factors Impacting Seedling Survival Rates During Post-Fire Forest Regeneration at the CSU Mountain Campus
Brian Ratcliffe, Sarah Weiner, Gabe Kohler	Environmental Justice in the Rio Chama CFLRP Landscape.
Merideth Reiser, Andrew Sanchez Meador	Measuring coarse woody debris with LiDAR to improve forest inventories
USFS, Forest Stewards Guild, Mountain Studies Institute	Landscape Scale Collaboration: The 2-3-2 Partnership
Maria Vicini, Camille Stevens-Rumann, Paula Fornwalt, Jody Vogler	Long term bird communities in post-fire landscapes
Kate Weimer, Camille Stevens-Rumann, Marin Chambers	Forest Type and Burn Severity Affect Understory Response to Historic Wildfires
Sienna A. Wessel, Kevin J. Barrett, Paula J. Fornwalt	10-Year Understory and Regeneration Responses to CFLRP Restoration Treatments at Estes Valley
Kelby Woodard, Camille Stevens-Rumann, Jose Negron	Tree level resistance of ponderosa pine after treatments
Jamie Woolet, Camille Stevens-Rumann, Michael Wilkins, Catherine Gehring	Fungi, Fires, and Fun: Enhancing planting strategies of a foundation tree species with a little help from their friends
Wildfire Pros	Burning the Forest and the Trees

Join us for a special presentation by



STEPHEN J. PYNE



Steve Pyne is an emeritus professor at Arizona State University. He has been at ASU since 1985. In 1986 he joined the charter faculty at ASU West, where he remained for 10 years. He transferred to the School of Life Sciences in 1999.

He has published 35 books, most of them dealing with fire, but others on Antarctica, the Grand Canyon, the Voyager mission, and with his oldest daughter, an inquiry into the Pleistocene. His fire histories include surveys of America, Australia, Canada, Europe (including Russia), and the Earth.

The Ice: A Journey to Antarctica was named by the New York Times to its 10 best books for 1987. Fire in America: A Cultural History of Wildland and Rural Fire won the Forest History Society's best book award. He has twice been awarded NEH Fellowships, twice been a fellow at the National Humanities Center, enjoyed a summer Fulbright Fellowship to Sweden, and has received a MacArthur Fellowship (1988-1993). In 1995 he received the Robert Kirsch Award from the Los Angeles Times for body-of-work contribution to American letters.

**FREE & OPEN TO
THE PUBLIC**

MONDAY - MAY 1, 2023 6-8PM
CSU UNIVERSITY CENTER FOR THE PERFORMING ARTS
1400 REMINGTON ST, FORT COLLINS, CO 80524 • ORGAN RECITAL HALL

**Brought to you by and part of the
2023 Cross-Boundary Landscape Restoration Workshop**



Join us at the workshop May 2 – 4, 2023

Colorado State University, Fort Collins, Colorado

<https://sweri.org/cross-boundary-landscape-restoration-workshop/>

