



# Fourth NATIONAL COHESIVE WILDLAND FIRE MANAGEMENT STRATEGY Workshop

OCTOBER 4-7, 2021

## Hard Truths of Risk Inherent in Cross-Boundary, Large Landscape and Community-wide Implementation

Presented by

International Association of Wildland Fire in Partnership with the Wildland Fire Leadership Council (WFLC) and its Western, Southeastern and Northeastern Regional Strategy Committees

Mountain Daylight Time	Monday, October 4, 2021		
1:00-1:30	<p><b>Welcome, Leaders' Intent, Purpose &amp; Sponsor Introductions</b>            Workshop Co-Chairs: Joe Stutler, Co-chair, Wildland Fire Leadership Council, Western Region            Tami Parkinson, Lead Fire Application Specialist, USFS Wildland Fire Management RD&amp;A;            Helen Mohr, Forester, USFS Southern Research Station / Director of Consortium of Appalachian Fire Managers and Scientists;            Gary Wood, Coordinator, Wildland Fire Leadership Council, Southeastern Region</p>		
	Moderator: Helen Mohr		
1:30-1:50	<p><b>Opening Remarks:</b> Meryl Harrell, Deputy Under Secretary, USDA, Natural Resources and Environment</p>		
	Moderator: Joe Stutler		
1:50-2:50	<p><b>Gross Negligence and Prescribed Fire Liability in the US</b>            Facilitator - Branda Nowell, Ph.D., Professor, North Carolina State University            Lenya N Quinn-Davidson, Area Fire Advisor, University of California Extension            John Weir, Associate Extension Specialist, Oklahoma State University            Carissa Wonkle, Attorney and Research Ecologist, USDA ARS Northern Plains Agricultural Research Lab            John Stivers, Prescribed fire contractor in the Southeast</p>		
2:50-3:00	Networking Break		
	Moderator: Joe Stutler		
3:00-4:00	<p><b>Models of Co-Managing Risk - Public and Private Collaboration</b>            Facilitator - Branda Nowell, Ph.D., Professor, North Carolina State University            Reggie Forcine, Fire Management Officer, Okefenokee National Wildlife Refuge            Charlie Lyons, Idaho Rangeland Fire Protection Associations            Jon Griggs, Rancher Liaison Program, Nevada Cattlemen's Association            Peter Luchetti, San Francisco Bay Area Wildfire Coalition</p>		
4:00-4:30	Day One Wrap Up - Joe Stutler and Helen Mohr		
	Tuesday, October 5, 2021		
7:30-8:00	Networking		
8:00-8:15	<p><b>Welcome, Leaders' Intent, Purpose &amp; Sponsor Introductions</b>            Workshop Co-Chair: Helen Mohr, Forester, USFS Southern Research Station/            Director of Consortium of Appalachian Fire Managers and Scientists</p>		
8:15-8:45	Poster Presentations		
P o s t e r s	<p><b>Predicting Smoke Exposure Tradeoffs Among Forest Restoration Scenarios in the Central Sierra Nevada, California</b>            Claire Schollaert</p>	<p><b>Adapting the FireWorks Educational Curriculum for Southeastern Ecosystems</b>            Jonathan Hartsell</p>	<p><b>McDowell Community Wildfire Network</b>            Jennifer Haas</p>
	<p><b>The Community Mitigation Assistance Team: Identifying Barriers and Finding Solutions</b>            Jennifer Haas and Jonathan Bruno</p>		<p><b>Goose Creek Sage-grouse Habitat and Post-fire Restoration Through Partnership Collaboration</b>            Stacy Tyler</p>
	<p><b>Prescribed Fire Training Needs and Recommendations in the Northeast and Southeast Regions</b>            Jennifer E. Fawcett, Laurel Kays, Gary Wood, Larry Mastic</p>		<p><b>Mapping Fire Severity Scenarios across Southern Appalachian Forests: A Risk-based Approach for Planning, Restoration and Monitoring</b>   Steve Norman</p>

	<b>Moderator: Helen Mohr</b>		
8:45-10:00	<b>Benefits of Cultural Burning and Indigenous Stewardship</b> Jonathan Long, USFS Pacific Southwest Research Station; Shinaasha Pete, CSKT Forestry Department; Don Hankins, Intertribal Indigenous Stewardship Project/CSU Chico; Mary Adelzadeh; consultant, Intertribal Indigenous Stewardship Project		
10:00-10:15	<b>Networking Break</b>		
	<b>Concurrent Sessions</b>		
	<b>Moderator: Jonathan Long/Helen Mohr</b>		<b>Moderator: Karen Dante-Wood</b>
10:15-11:30	<b>Examining Current State of Policy/Practice in Light of 2021 Wildfires</b> Danny Manning, assistant fire chief for the Greenville Rancheria, Frank Lake, Research Ecologist, USFS Research & Development, Sara Clark, Partner, Shute, Mihaly & Weinberger, Inc.	<b>Empowering Rural Residents to Live with Fire</b> Christina Newhouse, Wildland Fire Mitigation Outreach Program Manager, Carolina Land and Lakes Resource Conservation and Development (RC&D) Council; Jason Noble, Caldwell County Ranger, NCFCS; Sam Byars, Austin Creek Estates Resident and Firewise Committee Member; Chief Reggie Ford, Patterson Fire Department Fire Chief, Chief Trevor C. Key, Collettsville Fire Chief and Sean Loft, Burn Crew Leader, The Nature Conservancy	
	<b>Ignite Talks</b>		
	<b>Chat Moderator: Larry Mastic</b>	<b>Chat Moderator:</b>	<b>Chat Moderator: Chuck Bushey</b>
11:30-11:35	<b>The Community Mitigation Assistance Team: Identifying Barriers and Finding Solutions</b> Jennifer Haas, Wildfire Preparedness Coordinator, Mountain Valleys RC&D and Jonathan Bruno, Chief Operations Officer for Coalitions and Collaboratives, Inc	<b>Developing Community Resilience to Wildfire Through Emergency Response Management</b> Jennifer Fenton	<b>Wildfire Risk to Communities: Spreading Information, Sparking Conversation, and Igniting Action</b> Kimiko Barrett, Researcher & Policy Analyst, Headwaters Economics and Greg Dillon, Director Fire Modeling Institute, USDA Forest Service Rocky Mountain Research Station
	<b>Chat Moderator: Dave Celino</b>	<b>Chat Moderator: Jenn Fawcett</b>	<b>Chat Moderator: Craig Goodell</b>
11:35-11:40	<b>Managing Wildland Fire Through Preventive Efforts</b> Wes Bolsen, Business Director, Wildfire Prevention and Protection, Perimeter Solutions	<b>Examining the role of NOAA environmental data in developing applications to understand wildfire risk across the real estate value chain</b> Jenny Dissen, NOAA Centers for Environmental Information	<b>Working with Farmers and Ranchers to Adapt to Wildfire Risk and Increase Wildfire Resilience</b> Natalia Pinzón Jiménez   Doctoral Candidate, University of California, Davis
	<b>Chat Moderator: Darryl Jones</b>	<b>Chat Moderator: Kelly Martin</b>	<b>Chat Moderator: Chuck Bushey</b>
11:40-11:45	<b>Anticipatory Wildfire Planning: Imagining the Future to Alter its Course</b> Bart Johnson, University of Oregon	<b>VP Disaster Management Critical Infrastructure</b> Martin Altman, ICF International	<b>Celebrating successes in collaboration</b> Greg Philipp, CFLR Coordinator, US Forest Service; Ryan Jacobs, Northern Mountains Wildlife Forest Manager, NC Wildlife Resources Commission; Josh Kelly, Public Lands Biologist, Mountain True
	<b>Concurrent Sessions</b>		
	<b>Moderator: Nick Skowronski</b>		<b>Moderator: Tami Parkinson</b>
11:45-12:15	<b>Rules to Live By; Codifying the Cohesive Strategy through Land Use Planning and Regulation</b> Justice Jones, Wildfire Mitigation Officer, Austin Fire Department		<b>Implementing the Cohesive Strategy through Living CWPPs</b> Lowell Ballard, Director of Geospatial Solutions, Timmons Group
	<b>Moderator: Larry Mastic</b>		<b>Moderator: Tom Zimmerman</b>
12:15-12:45	<b>Wildfire Preparedness and Prevention for Farmers and Ranchers</b> Jacob Powell, Ag Extension Agent, OSU Extension Service		<b>The Fire Learning Network: 20 years of Advancing Collaborative Fire Practices</b> Marek Smith, Director, North America Fire, The Nature Conservancy
12:45-1:00	<b>Day Two Wrap Up</b>		

Wednesday, October 6, 2021	
7:30-8:00	<b>Networking</b>
8:00-8:15	<b>Welcome, Leaders' Intent, Purpose &amp; Sponsor Introductions</b> Workshop Co-Chair: Gary Wood, Coordinator, Wildland Fire Leadership Council, Southeastern Region
<b>Tools/Resources Showcase</b>	
8:15-8:45	<p><b>1. A Fire-Aware Stream Application to Integrate National Fire and Water Databases</b> Katharine Kolb, Geographer, U.S. Geological Survey</p> <p><b>2. Resources for Supporting Fire Adapted Communities</b> Sheryl Page, National Community Wildfire Mitigation Specialist, USDA Forest Service</p> <p><b>3. USGS Postdoctoral Fellows Program: Actionable Science for Fire Management &amp; Response in a Changing Climate</b> Madeline Rubenstein, USGS Postdoctoral Fellows Program, USGS National Climate Adaptation Science Center and Mari Angel Rodriguez, Biologist, USGS National Climate Adaptation Science Center</p> <p><b>4. Building the capacity of people to use the new drought.gov</b> Tamara Wall and Tim Brown, Desert Research Institute</p> <p><b>5. USGS Wildland Fire Science Strategic Plan: Integrated actionable fire science for the 21st Century</b> Paul Steblein, Wildland Fire Science Coordinator, US Geological Survey and John Hiers, Deputy Wildland Fire Science Coordinator, US Geological Survey</p>
<b>Moderator: Mike Zupko</b>	
8:45-9:30	<b>A Cohesive Strategy Conversation with WFLC and NWCG Leaders</b> Jim Karels, Fire Director, National Association of State Foresters; Mike Zupko, Executive Director, Wildland Fire Leadership Council; George Geissler, State Forester, Washington DNR; Erik Litzenberg, Wildland Fire Director, International Association of Fire Chiefs
<b>Moderator: Tami Parkinson</b>	
9:30-10:15	<b>Effects of Cross-Boundary Implementation</b> Sonya Germann, State Forester, Montana Department of Natural Resources and Conservation Jane Darnell, USFS Deputy Regional Forester, Retired Branda Nowell, Ph.D., Professor & Director of the Doctoral Program in Public Administration, North Carolina State University
10:15-10:30	<b>Networking Break</b>
<b>Moderator: Gary Wood</b>	
10:30-11:15	<b>Large, Cross Boundary Management Implementation</b> Jason Kuiken, Forest Supervisor on the Stanislaus National Forest, California Michael Cheek, Assistant Regional Forester, North Carolina Forest Service Dave Celino, Chief Fire Warden, Massachusetts DCR
11:15-12:15	<b>Continued conversations with Sonya Germann, Jane Darnell, Branda Nowell, Jason Kuiken, Michael Cheek and Dave Celino</b>
<b>Concurrent Sessions</b>	
<b>Moderator: Gary Wood</b>	
<b>Moderator: Chuck Bushey</b>	
12:15-12:45	<p><b>20 Years of Wildfire: Investigating Changing Jurisdictional Complexity Over Time</b> Branda Nowell, Ph.D., Professor &amp; Director of the Doctoral Program in Public Administration, North Carolina State University</p> <p><b>The Politics of Wildfire Mitigation Policies</b> Rebecca Miller, Postdoctoral Scholar, University of Southern California</p>
12:45-1:00	<b>Day Three Wrap Up</b>
Thursday, October 7, 2021	
7:30-8:15	<b>Networking</b>
8:15-8:30	<b>Welcome, Leaders' Intent, Purpose &amp; Sponsor Introductions</b> Workshop Co-Chair: Tami Parkinson, Lead Fire Application Specialist, USFS Wildland Fire Management RD&A
<b>Moderator: Mike Zupko, Executive Director, Wildland Fire Leadership Council</b>	
8:30-9:00	<b>Opening General Session</b> <b>Robert Bonnie</b> , Deputy Chief of Staff for Policy and Senior Advisor, Climate, United States Department of Agriculture

	<b>Moderator: Tami Parkinson</b>		
9:00-9:30	<b>Addressing Workforce Development and Capacity</b> Joe Stutler, Co-chair, Wildland Fire Leadership Council, Western Region Dave Celino, Chief Fire Warden, Massachusetts DCR Jesse Bender, Lead, Incident Workforce Development Group		
	<b>Moderator: Tami Parkinson</b>		
9:30-10:15	<b>Innovative Approaches to Workforce Capacity Issues</b> Adam Warwick, Fire Manager, The Nature Conservancy Jeremy Knighton, Asheville Fire Department, Division Chief of Emergency Management and Special Operations Kelly Martin, President, Grassroots Wildland Firefighters		
10:15-11:00	<b>Continued conversations with Joe Stutler, Dave Celino, Jesse Bender, Kelly Martin, Adam Warwick and Jeremy Knighton.</b> <b>Key takeaways about workforce and capacity issues</b>		
11:00-11:15	<b>Networking Break</b>		
	<b>Concurrent Sessions</b>		
	<b>Moderator: Gary Wood</b>	<b>Moderator: Dave Celino</b>	<b>Moderator: Tom Zimmerman</b>
11:15-12:15	<b>Good Fire and Bad Fire in the Appalachian Wildland Urban Interface</b> Frank Riley, Executive Director, Chestatee-Chattahoochee RC&D & Appalachian RC&D FAC Coalition, Jen Haas, Lynn Sprague, Christina Newhouse, Melissa Patton, Jonathan Hartsell, Steve Sprangler	<b>Implementing a Regional Approach Towards Resilient Landscapes and Fire Adapted Communities in California</b> Tracy Katelman, Consulting Forester & Community Fire Planner, ForEverGreen Forestry; Brittany Covich, Division Chief, Policy and Outreach, Sierra Nevada Conservancy; Keali'I Bright, Division Director, Dept of Conservation, Land Resource Protection	<b>Wildfire as Disaster: Financial Preparedness for Loss and Recovery</b> Michele Steinberg, Wildfire Division Director, National Fire Protection Association and Janet Ruiz, Director - Strategic Communication, Insurance Information Institute
	<b>Moderator: Tami Parkinson</b>		
12:15-12:45	<b>Changing Times - Changing Fire Management</b> Joe Stutler, Co-chair, Wildland Fire Leadership Council, Western Region Dave Martin, Assistant Director-Operations, Forest Service, Southern Region Fire & Aviation Management Dana Skelly, Regional Fuels Program Manager, Forest Service, Fire, Fuels & Aviation Management, PNW & Alaska Regions		
12:45-1:15	<b>Day Four Wrap Up</b>		