

# National Cohesive Wildland Fire Management Strategy Workshop: All Hands, All Lands – Implementation Rooted in Science

Peppermill Resort, Reno, Nevada - April 25-27, 2017

Presented by International Association of Wildland Fire

In partnership with Wildland Fire Leadership Council (WFLC) and the Western, Southeast and Northeast Regional Strategy Committees

**Monday, April 24, 2017**

6:00 pm Afterhours Networking - Fireside Lounge - The Peppermill

**Tuesday, April 25, 2017**

**CAPRI BALLROOM FOYER (4th Floor)**

Registration Desk Opens

Exhibitor Set -up

**CAPRI BALLROOM (4th Floor)**

Opening Remarks and Welcome

**Workshop Moderators: Joe Stutler**, Cohesive Wildland Fire Strategy, Western Region Co-Chair and **Tom Zimmerman**, IAWF President

Call to Action Speaker and Welcome to Nevada

**Kasey KC**, Acting Nevada State Forester

**KEYNOTE ADDRESS: Science and Cohesive Strategy, Where Did it Come From?**

**Tom Harbour** and **Bob Roper**

Networking Break with Exhibitors (**CAPRI BALLROOM FOYER - 4th Floor**)

**Naples One (2nd Floor)**

**Naples Two (2nd Floor)**

**Naples Three (2nd Floor)**

**In the WUI**

Session Moderator: Gary Wood

**Resiliency/Policy**

Session Moderator: Katie Lighthall

**Fuel Treatment/Economics**

Session Moderator: Carol Blocksome

10:15-10:40

**1. Connecting to Underserved Communities who are at Risk from Wildfires: Formal Agreement with The Center for Heir's Property Preservation**  
Brian Schaffler

**5. Are U.S. Federal Fire Management Systems Resilient?**  
Christopher J Dunn

**9. Treatment Optimization of Restoration Values Incorporating Economic Trade-offs**  
Amy Waltz

10:40 -11:05

**2. What Can We Learn From Homeowner Associations In Promoting Household Wildfire Mitigation?**  
Eric C Steffey

**6. Idaho's Good Neighbor Authority Leadership**  
Peg Polichio

**10. Nationally Consistent Non-Forest Fuelbed Maps for Improved Decision Support Outcomes**  
Christopher O'Connor

11:05-11:30

**3. Community Stewardship Through Neighborhood Engagement**  
Pam Wilson

**7. East Face Elkhorn Mountains - Applying the Cohesive Wildfire Strategy in Northeast Oregon**  
Bill Gamble

**11. Spatial Wildfire History: New Jersey's Hidden Resource**  
Inga P. La Puma

11:30- 11:55

**4. Living with Fire in Valley County**  
Stephanie L. Nelson

**8. Washoe County's Smoke Management Outreach Program**  
Julie Hunter

**12. Historical Fire-Climate Patterns in California**  
Jon E. Keeley

11:55-1:00

Lunch (on your own)

**Naples One (2nd Floor)**

**Naples Two (2nd Floor)**

**Naples Three (2nd Floor)**

**In the WUI**

Session Moderator: Gary Wood

**Resiliency/Policy**

Session Moderator:

**Fuel Treatment/Economics**

Session Moderator: Larry Mastic

1:00-1:25

**13. Opening a Policy Window or a Non-event: Does Experience with Wildfire Lead to Local Government Adaptation?**  
Miranda H. Mockrin

**17. Evidence of Effectiveness in the Cohesive Strategy: Measuring and Improving Wildfire Response**  
Toddi Steelman

**21. LANDFIRE - Foundational Data to Improve Landscape Decisions**  
Henry Bastian

1:25-1:50

**14. Communities at Risk from Wildfire in the Western US: Comparing Preparation for and Impacts from Wildfire in a Large Cross-section of Communities**  
Max Nielsen-Pincus

**18. What the Science Tells Us: Incorporating Wildfire Science at the WUI**  
Katie Gibble

**22. Facilitation Insect & Disease Research & Management Through Forest Fire Compacts**  
Thomas Parent

1:50-2:15

**15. The Marin Community Wildfire Protection Plan Science-Based Collaborative Planning and Implementation**  
Tami Lavezzo

**1:50-2:50**  
**19. Understanding the On-the-Ground Impacts of the National Cohesive Wildland Fire Management Strategy**  
Tamara Wall & Sarah McCaffrey

**1:50-2:40**  
**23. An Implementation Model Used on a Landscape in Lake County, Oregon**  
Daniel Leavell & Amy Markus

2:40-3:05

**2:15-3:05**  
**16. In the (Home Ignition) Zone: the Science that Informs the Firewise Approach**  
Michele Steinberg

**20. Developing Adaption "Pathways" for the Co-management of Wildfire: An Interactional Approach**  
Travis Paveglio

**24. Poviding Strategic Meteorological Support in the Digital Age**  
Bryan Henry

3:05-3:30

Networking Break with Exhibitors (**CAPRI BALLROOM FOYER - 4th Floor**)

Seminar/Workshop/Round Table

Seminar/Workshop/Round Table

Seminar/Workshop/Round Table

**Naples One (2nd Floor)**

**Naples Two (2nd Floor)**

**Naples Three (2nd Floor)**

3:30- 5:30

**25. Wildfire Hazard-and-Risk Assessment Concepts, Terminology and Analyses**  
Joe Scott

**26. USFS Forest Plan Revision: A Vehicle to Collaboratively Implement the Cohesive Strategy Across Mental and Physical Boundaries Using Geospatial Fire Planning**  
Colleen (Chaz) O'Brien

**27. Safer Communities and Better Fire Management "What International Science is Telling Us"**  
David Bruce, Murray Carter and Alen Slijepcevic

5:30- 7:30 pm

Field Trip and Evening Reception at Desert Research Institute - Sponsored by DRI

7:30

Afterhours Networking - Terrance Lounge - Peppermill

Wednesday, April 26, 2017

**CAPRI BALLROOM FOYER (4th Floor)**

7:30 am Registration Desk Opens

**CAPRI BALLROOM (4th Floor)**

8:00-8:15 Welcome Back and Daily Announcements  
Joe Stutler and Tom Zimmerman

8:15-9:15 Keynote Session: Wildfire Risk Analysis for the Cohesive Strategy: We Have the Tools But Do We Have the Will?  
Mark A. Finney, USDA Forest Service, Missoula Fire Sciences Laboratory

9:15-9:45 Networking Break with Exhibitors (CAPRI BALLROOM FOYER - 4th Floor)

**Naples One (2nd Floor)**

**Naples Two (2nd Floor)**

**Naples Three (2nd Floor)**

**Risk**  
Session Moderator: Mark Finney

**32. Fire Science Informing Fire Management: The US Geological Survey**  
Session Moderator: Paul Steblein

**Social Science**  
Session Moderator: Tom Montoya

**9:45-10:45**  
28. Trans-Boundary Risk – Concepts and Case Studies to Support Cohesive Strategy Implementation  
Alan Ager

**9:45-10:05 US Geological Survey Fire Science Informing Fire Management** - Paul Steblein

**9:45-10:35**  
33. What Do We Know about Wildfire and Local Fire Department Capacity?  
Hylton Haynes

**10:45-11:10**  
29. Improving the Co-management of Cross-Boundary Fire Risk Transmission  
Daniel Williams

**10:05-10:525 Geospatial Fire Data and Tools for Fire Research and Management**  
Birgit Peterson and Henry Bastian

**10:25-10:45 Rapid Identification of Post-Wildfire Hazards and Risks**  
Jason Kean and Jeremy Lancaster

**10:35 -11:25**  
34. Uniting Research and Practice to Promote Fire Adaptation: The Wildfire Research (WiRē) Team  
Hannah Brenkert-Smith

**11:10-11:35**  
30. Revisiting Wildfire Risks after the Historic 2016 Southern Appalachian Fire Season  
Danny C Lee

**10:45-11:05 Planning for Effects of Wildfire on Water Supplies: A Case Study of Button Rock Preserve Near Longmont, Colorado**  
Deborah Martin and Keith Stagg

**11:05-11:25 Paradigm Shifts In Non-Forested Ecosystems** - Jon Keeley and Marti Witter

**11:25-11:45 Fuel Breaks to Reduce the Loss of Sagebrush Habitat: Understanding Ecological Effects** - Douglas Shinneman and Don Major

**11:25-11:50**  
35. Wildfire Smoke: A Guide for Public Health Officials: 2016/2017 Revisions  
Paul Garbe

**11:35-12:00**  
31. Addressing Limitations in the Current Wildfire Risk Assessment Framework: Crossing Spatial and Temporal Boundaries  
Jessica R Haas

**11:45-12:00 Panel Discussion**

**Discussion**

12:00-1:00 Lunch (on your own)

**Naples One (2nd Floor)**

**Naples Two (2nd Floor)**

**Naples Three (2nd Floor)**

**Risk**  
Session Moderator: Mark Finney

**41. Fire Science Informing Fire Management: the US Geological Survey (Continued)**  
Session Moderator: Paul Steblein

**Social Science**  
Session Moderator:

1:00-1:25 36. Utilizing Risk Data to Catalyze Local Action  
Nathan Barrons

**1:00-1:20 Assessing the Risk of Wildfire to Sage-Grouse Populations**  
Peter Coates and Pat Deibert

42. Co-management of Wildfire on Public Rangelands: Rangeland Fire Protection Associations  
Amanda Stasiewicz

1:25-1:50 37. Improved Simulation of Probabilistic Wildfire Risk Components for the Conterminous United States  
Karen Short

**1:20-1:40 Science Management Partnerships Reduce Vulnerability Of Southwestern Cultural Landscapes Before, During and After Wildfires** Rachel Loehman, Dennis Carrill, and Connie Constan

43. Social Science To Support Forest Restoration Across All Lands  
Susan Charnley

1:50-2:15 38. Strategic-level Decision Support for Aviation Use in Large Fire Suppression  
Christopher O'Connor

**1:40-2:00 Understanding and Applying Diverse Fire Histories and Ecologies in Northern New Mexico**  
Collin Haffey and Dennis Carrill

44. Lessons Learned from the Insurance Industry: The Power of Incentives  
Rob Galbraith

2:15-2:40 39. Archetypes of Community Exposure to Wildfire from Western National Forests  
Cody Evers

**2:00-2:20 Prescribed Fire Research in the Sierra Nevada and Beyond: NPS-USGS Partnerships to Restore a Natural Process to Western Forests**  
Phil van Mantgem and Colvin Farris

**2:20-2:40 Fire Science Information: How Much is Enough for Federal Fire Management?**  
Matt Brooks and Karen Prentice

**2:15-3:05**  
45. Models, Maps and Meetings: Using Science to Guide CS Implementation in Northern NM  
Susan Rich & Steven Bassett

2:40-3:05 40. Linking Operational Fire Management Opportunities to Landscape Planning Objectives  
Christopher O'Connor

**2:40-3:05 Panel Discussion**

3:05-3:35 Networking Break with Exhibitors (CAPRI BALLROOM FOYER - 4th Floor)

	Naples One (2nd Floor)	Naples Two (2nd Floor)	Naples Three (2nd Floor)
	<b>Risk</b> Session Moderator: Mark Finney	<b>Ignite Talks/Discussion</b> Session Moderator: Mikel Robinson	<b>Traditional/Tribal</b> Session Moderator:
3:35-4:00	<b>46. Managed Fire as a Fuel Treatment</b> Karin Riley	<b>Ignite Talks - 5 min each.</b> IG1. A Review of Community-Scale Fire Adaptation Practices Across the Fire Adapted Communities Landscape - Jeremiah Osborne-Gowey IG2. Understanding What Works in Collaborative Cohesive Strategies - Marlene Rebori IG3. Comparing Land Use Planning for Wildfire Risk Reduction in France and California - Susie Kocher IG4. Spaceborne Remote Sensing Capabilities for Fire Science and Their Usefulness for Various Spatial and Temporal Demands - Luke Ellison IG5. The Role of Networks in Transforming Natural Resource Management - Jeremiah Osborne-Gowey	<b>3:35-4:25</b> <b>49. Western Klamath Restoration Partnership: Traditional and Contemporary Knowledge, Collaborative Engagement, and Early Implementation</b> Arielle Halpern, Bill Tripp & Will Harling
4:00-4:25	<b>47. Rethinking Performance Measurement in US Federal Wildland Fire Management</b> Karen C. Short		
4:25-4:50	<b>48. Fire Contagion and Effects across Mixed-Ownership Landscapes</b> Christopher J Dunn		<b>4:25- 4:50</b> <b>50. Rekindling Tribal Fire Use: A Synthesis of Science for the Pacific Northwest</b> Jonathan Long
5:00-6:30	<b>Poster Session/Social Reception with Exhibitors (CAPRI BALLROOM FOYER - 4th Floor)</b>		
<b>Poster Presentations</b>	<b>P1. Mitigating Rangeland Wildfires: Factors Influencing the Development of Rangeland Fire Protection Associations</b> Amanda Stasiewicz	<b>P4. LANDFIRE - Data to Support All Hands and All Lands Management</b> Henry Bastian	<b>P7. Interagency Fuels Treatment Decision Support System</b> Henry Bastian
	<b>P2. Wildfire Impacts, Collaborative Efforts, and Needs in Hawaii: Looking Ahead</b> Elizabeth Pickett	<b>P5. Matching Daily Data on Resource Use and Costs in Fire Suppression</b> Helen Naughton	<b>P8. Spaceborne Remote Sensing Capabilities for Fire Science and Their Usefulness for Various Spatial and Temporal Demands</b> Luke Ellison
	<b>P3. Next-Gen Fire Model Addresses Managers: "Burning Questions"</b> James H. Furman	<b>P6. Collaborative Efforts, Technical Expertise, and CWPPs Aligned with Cohesive Strategy in Hawaii</b> Elizabeth Pickett	<b>P9. Traditional role transfer: The Role of Rural Women in Recovery and Rebuilding Following Catastrophic Wildfire</b> Miranda Mockin
<b>Thursday, April 27, 2017</b>			
<b>CAPRI BALLROOM FOYER (4th Floor)</b>			
7:30	<b>Registration Desk Opens</b>		
<b>CAPRI BALLROOM (4th Floor)</b>			
8:00-8:15	<b>Welcome Back and Daily Announcements: Joe Stutler and Tom Zimmerman</b>		
8:15-9:15	<b>KEYNOTE ADDRESS: From Science Team Report to Taking Action: Challenges, Lessons Learned and a Path Forward</b> James Fox, Director, National Environmental Modeling and Analysis Center		
9:15-9:45	<b>Networking Break with Exhibitors (CAPRI BALLROOM FOYER - 4th Floor)</b>		
	Naples One (2nd Floor)	Naples Two (2nd Floor)	Naples Three (2nd Floor)
	<b>Seminar/Workshop</b>	<b>Seminar/Workshop</b>	<b>Seminar/Workshop</b>
9:45-11:45	<b>51. Fuel Treatments in Theory and Practice: Science Applications in Support of the Cohesive Strategy</b> Kevin Barnett	<b>52. Reconciling Expansion of Restorative Burning with Protecting Public Health from Smoke Impacts</b> Jonathan W. Long, Leland Tarnay, Malcolm North, Craig Thomas, Randy Striplin	<b>53. Seeing Landscapes in a New Light Using the Online Landscape Dynamics Assessment Tools (LanDAT)</b> Danny Lee
11:45-1:00	<b>Lunch (on your own)</b>		
	Naples One (2nd Floor)	Naples Two (2nd Floor)	Naples Three (2nd Floor)
	<b>Seminar/Workshop/Round Table</b>	<b>Rx Fire</b> Session Moderator: Craig Goodell	<b>Something for Everyone</b> Session Moderator:
1:00-1:25	<b>1:00-2:40</b> <b>54. Understanding the Role of Drought Information in the Implementation of the Cohesive Strategy</b> Tim Brown	<b>55. Cooperative Prescribed Fire and Leveraging Local Resources to Improve Capacity</b> Michael D Caggiano	<b>59. Contracted Resources for Fire Suppression in the Northwestern United States: Engine Dispatch Patterns and Contractor Profiles</b> Heidi Huber-Stearns
1:25-1:50		<b>56. Towards a Holistic and Consistent Approach to Prescribed Burning: the National Burning Project, Australia</b> Murray Carter	<b>60. Research in Complex Adaptive Systems as applied to All Hands, All Lands'?</b> Stephen Guerin
1:50-2:15		<b>57. Prescribed Fire Training Exchange (Trex) - Burning Together, Learning Together</b> Erin Banwell	<b>61. Community Wildfire Protection Plans in Colorado: A Statewide Survey</b> James Absher
2:15-2:40		<b>58. Like Fine Whiskey, Fire-effects Monitoring Improves Over Time</b> Alison E. Dean	<b>Discussion</b>
2:40-3:00	<b>Networking Break with Exhibitors (CAPRI BALLROOM FOYER - 4th Floor)</b>		
<b>CAPRI BALLROOM (4th Floor)</b>			
3:00-4:00	<b>Keynote Session: George Geissler, Oklahoma Gov. Fallin's representative on WFLC</b>		
4:00	<b>Closing Remarks: Joe Stutler and Tom Zimmerman</b>		