

Fire Science and Management in an Uncertain Future

Tools and Approaches for Managing Fire in Future Climates in the Southwest

1 December 2020

9:00 am to 1:00 pm Pacific Time

AGENDA

Time	Topic/Activity
9:00	Welcome (Joe Holomuzki, Fire Science Liaison, Southwest Region, U.S. Geological Survey [USGS])
9:00-9:05	Technical team Introductions and brief Zoom tutorial (Génie MontBlanc, Coordinator, Great Basin Fire Science Exchange)
9:05-9:15	Meeting overview: Why we are here, what we hope to achieve, how do we get there (Joe Holomuzki)
9:15-9:20	The Fire Science Exchange Network: Connecting Science to Decision-Making in Wildfire Management (Stacey Sargent Frederick, Coordinator, California Fire Science Exchange)
9:20-9:30	Mentimeter® polling: Attendee composition, fire-climate challenges, and meeting 'take-aways' (Génie MontBlanc and Stacey Sargent Frederick)
9:30-9:35	Aligning fire science with fire needs (Paul Steblein, Wildland Fire Science Coordinator, USGS)
9:35-9:50	Getting to know each other and the breakout format (Génie MontBlanc and Stacey Sargent Frederick)
9:50-10:10	Co-owing fire: people, relationships, and networks area the key to our fire future (Lenya Quinn-Davidson, University of California, Agriculture and Natural Resources, Area Fire Advisor, Humboldt County, CA)
10:10-10:30	Co-production of science and tools to help manage for climate change now: Southwest FireCLIME (Andi Thode, Professor of Fire Ecology and Fire Science, Northern Arizona University)
10:30-10:40	BREAK
10:40-10:45	Lightning-talk speaker introductions (Matt Brooks, Research Ecologist, Western Ecological Research Center, USGS)

Time	Topic/Activity
10:45-11:15	<p>Lightning talks (5-7 minutes each)</p> <p>Climate tools for fire management in southwestern forests (John Abatzoglou, Associate Professor in Management of Complex Systems, University of California Merced)</p> <p>Altered fire regimes and wildfire management of sagebrush ecosystems (Michele Crist, Bureau of Land Management, Fire and Aviation, National Interagency Fire Center)</p> <p>New tools, methods, and partnerships for chaparral sustainability (Hugh Safford, Regional Ecologist, US Forest Service and Research Faculty, University of California Davis)</p> <p>Climate change implications for post-fire resource management in a Sonoran Desert-montane ecotone: considerations from the Big Horn Fire (Carolyn Enquist, Deputy Director, USGS Southwest Climate Adaptation Science Center)</p> <p>Climate change, eco-culture, and resilience for Southwest Indigenous/tribal communities (Nikki Cooley, Co-Manager, Institute for Tribal Environmental Professional's Tribal Climate Change Program)</p>
11:15-11:40	<p>Q & A panel discussion with John Abatzoglou, Nikki Cooley, Carolyn Enquist, Michele Crist, Hugh Safford, Paul Steblein, Andi Thode, and Lenya Quinn-Davidson (Moderators: Matt Brooks and Barbara Satink Wolfson, Coordinator, Southwest Fire Science Exchange)</p>
11:40-11:50	BREAK
11:50-11:55	<p>Breakout group instructions (Génie MontBlanc, Stacey Sargent-Frederick, and Corey Gucker, Great Basin Fire Science Exchange)</p>
11:55-12:15	<p>Breakout groups based on ecoregion/biome: 1) western forest (e.g., mixed conifer, subalpine), 2) desert (hot, cold, grassland, sage-steppe), 3) Mediterranean/chaparral.</p> <p>MURAL-facilitated breakout discussions to address: 1) What major climate-wildfire changes are expected to affect fire management? 2) What tools/data are needed to address these changes? 3) How do we facilitate the generation of new tools/science and integrate them into fire management?</p>
12:15-12:45	Breakout group reporting
12:45-1:00	Synthesis/wrap-up (Moderator: Joe Holomuzki)
1:00	Adjourn