



Wildfire Management

2022 Live Summit

Presented By



April 25-26, 2022

San Francisco, California

Grand Hyatt Hotel

All Government Personnel Attend Free of Charge

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Meet Our Chairman

Kim Zagaris, Wildfire Policy and Technology Advisor, Western Fire Chiefs Association







Kim Zagaris, or Chief Z as some call him, is currently the Wildfire Policy and Technology Advisor for the Western Fire Chiefs Association. His position was created in response to the destructive wildfires that have unfolded across the west. Chief Zagaris retired as State Fire and Rescue Chief for the State of California, Governor's Office of Emergency Services (Cal OES) a position he held for 18 years. Chief Zagaris has extensive background in fire service, emergency management, and homeland security which includes working with local, state, federal and international agencies over his 42 years fire service career. He served under six Governor's and has been actively involved in every major and catastrophic emergency in California as well several in the nation.

Meet Our Speakers

- **Randy Moore**, Chief, USDA Forest Service
- **Jerome E. Perez**, National Director, Fire and Aviation Management, USDA Forest Service
- **Joe Tyler**, Director, California Department of Forestry and Fire Protection (CAL FIRE)
- **Brian Marshall**, Chief, Fire and Rescue, California Office of Emergency Services (CAL OES)
- **Mike Morgan**, Director, Colorado Division of Fire Prevention and Control
- **Ben Miller**, Director, Center of Excellence, Colorado Division of Fire Prevention and Control
- **David Green**, Program Manager, Wildfire and Disaster Applications, NASA
- **Bernie Schmitte**, Executive Director, Forestry Field Operations, Wildfire Management Branch, Alberta Department of Agriculture and Forestry
- **Ben McGrane**, Assistant Director, Incident Procurement Operations, USDA Forest Service
- **Barbara Geringer-Frazier**, Emergency Management Specialist, All Hazard and International Fire Support, USDA Forest Service
- **Everett Hinckley**, Remote Sensing Manager, USDA Forest Service
- **Chris Baker**, Senior Public Safety Advisor, First Net Authority
- **Kevin Nida**, Senior Public Safety Advisor First Net Authority
- **Elena Hernández Paredes**, Director, Forest Fire Defense, Spanish Forest Fire Service
- **Marc Castellnou**, Wildland Fire Incident Commander and Fire Analyst, Catalan Fire Service, Spain
- **Johann Georg Goldammer**, Chief, Global Fire Monitoring Center (GFMC) Germany
- **Lara Steil**, Coordinator, Department for Interagency and Burning Control, Brazilian Institute for the Environment and Renewable Natural Resources
- **Colonel Christophe Frerson**, Deputy Director, South Corsica Fire and Rescue Service
- **Tiago Oliveira**, Director, Agency Integrated Management of Rural Fires (AGIF) Portugal
- **Jean-Michel Dumaz**, Civil Protection and Crisis Management Attaché, French Embassy, Singapore
- **Dr. Christopher Dicus**, PhD, President, Association for Fire Ecology



DAY 1: AMERICAS FOCUS | APRIL 25, 2022 | ALL TIMES US PST

08:00	MORNING REGISTRATION AND NETWORKING
<p>09:00</p> 	<p>CHAIRPERSON'S OPENING REMARKS Kim Zagaris, Technology Policy Director, Western Fire Chiefs Association</p>
<p>09:15</p> 	<p>USDA FOREST SERVICE OUTLOOK FOR 2022</p> <p><i>This session will look at how the new leadership of the USDA Forest Service is articulating its strategy for wildfire mitigation and suppression for the 2021 fire season. This will include priorities as a result of new federal funding, initiatives in mitigation and forest health, and adoption of new tools and technology.</i></p> <p>Randy Moore, Chief, USDA Forest Service Jerome E. Perez, National Director, Fire and Aviation Management, USDA Forest Service</p>
<p>09:55</p> 	<p>COORDINATING EMREGENCY SERVICE RESPONSE DURING EXTREME FIRES IN CALIFORNIA</p> <p><i>Utilities and power companies, with their vast segments of power lines, play a crucial role in mitigating wildfire. This session will look at how the California Office of Emergency Services, the main emergency response coordination body in the state, are operating coordination with utilities, private businesses, and other state level emergency management agencies like CAL Fire fore evacuation, data rollout and early warning systems.</i></p> <p>Brian Marshall, Chief, Fire and Rescue, California Office of Emergency Services (CAL OES)</p>
10:40	NETWORKING BREAK
<p>11:10</p> 	<p>CAL FIRE: 2021 RETROSPECTIVE AND LOOKING FORWARD</p> <p><i>California has been at the frontlines of fire response over the past decade, and continues to be a leader in deploying tools, technology and practices for fire detection and suppression. This session will see CAL Fire talk about their successes and challenges over the course of the 2021 fire season, and discuss how to apply lessons learned for mitigation and suppression in the upcoming 2022 fire season.</i></p> <p>LEVERAGING TECHNOLOGY FOR LEADERSHIP ON WILDFIRE RESPONSE</p> <ul style="list-style-type: none"> • Exploring ways that CAL Fire is utilizing the latest software and physical tools for firefighters in the field • Engaging in partnerships with other federal and state agencies and industry vendors • Challenges for technology adoption and deployment <p>Chief Joe Tyler, Deputy Director, Fire Protection, CAL FIRE</p>





12:10	INDUSTRY PARTNERSHIP SESSION
12:40	LUNCH AND NETWORKING BREAK
13:40 	OVERVIEW OF USDA FOREST SERVICE CONTRACTING PROCESS <ul style="list-style-type: none"> • <i>Understanding the USFS fire program requirements gathering process</i> • <i>Operations of the contracting organization and their processes</i> • <i>Other interagency groups like the National Wildfire Coordinating Group, FAMIT and interagency equipment sharing programs</i> <p>Ben McGrane, Assistant Director, Incident Procurement Operations, USDA Forest Service</p>
14:10 	ESTABLISHING COMMUNICATIONS FOR EMERGENCY RESPONSE DURING WILDFIRES <p><i>Effective communication capabilities are key for responding to events like hurricanes and wildfires. This session will take a look at how First Net, a public private partnership between the US Department of Commerce and AT&T, has created a reliable network for emergency responders across the country.</i></p> <p>Chris Baker, Senior Public Safety Advisor, First Responder Network Authority Kevin Nida, Senior Public Safety Advisor, First Responder Network Authority</p>
14:50	NETWORKING BREAK
15:10 	ADAPTING TO A CHANGING LANDSCAPE: COLORADO'S NEW APPROACH TO EARLY DETECTION AND RAPID INITIAL ATTACK <p><i>Come learn about what the State of Colorado's Division of Fire Prevention and Control is doing about the fire problem today and where they are headed tomorrow.</i></p> <p>Chief Mike Morgan, Director, Colorado Division of Fire Prevention and Control Chief Ben Miller, Director, Center of Excellence, Colorado Division of Fire Prevention and Control</p>

<p>16:00</p> 	<p>WILDFIRE SUPPRESSION AND RESPONSE IN CANADA</p> <ul style="list-style-type: none"> • Examination of case studies on fire response tactics and strategy from 2021 season, including British Columbia and Alberta • New approaches for wildfire mitigation through advanced forest management technologies and prescribed burns • Priorities for provincial acquisitions of equipment, aircraft and technology <p>Bernie Schmitte, Executive Director, Forestry Field Operations, Wildfire Management Branch, Alberta Department of Agriculture and Forestry Representatives from the BC Wildfire Service</p>
<p>16:30</p> 	<p>APPROACHES TO FOREST FIRE MANAGEMENT IN BRAZIL</p> <ul style="list-style-type: none"> • Unique challenges within the Amazon rainforest • Forest fires- the human element • Coordination across provincial agencies and local and indigenous communities for forestry management <p>Lara Steil, Coordinator, Department for Interagency and Burning Control, Brazilian Institute for the Environment and Renewable Natural Resources</p>
<p>17:00</p>	<p>CHAIRPERSON'S CLOSING REMARKS & END OF CONFERENCE DAY ONE</p>

DAY 2: INTERNATIONAL FIRE AND RESEARCH FOCUS | APRIL 26, 2022 | ALL TIMES US PST

<p>08:00</p>	<p>MORNING REGISTRATION AND NETWORKING</p>
<p>09:00</p> 	<p>CHAIRPERSON'S OPENING REMARKS Kim Zagaris, Technology Policy Director, Western Fire Chiefs Association</p>
<p>09:05</p> 	<p>INTERNATIONAL COOPERATION FOR DISASTER RESPONSE</p> <p><i>The U.S. Forest Service has a long history of collaboration with international partners on issues related to wildland fire management. This presentation will highlight some of these international activities, including participation in global fire management committees, international study tours, and sharing resources through bilateral international agreements for fire management support.</i></p> <p>Barbara Geringer-Frazier, Emergency Management Specialist, All Hazard and International Fire Support, USDA Forest Service</p>

<p>9:50</p> 	<p>EXPLORING WAYS FORWARD FOR DATA INTEGRATION AND COLLABORATION AT NASA</p> <p><i>Often times data is not interoperable and doesn't connect to relevant products and services. This session will explore how NASA is working with government agencies, standards organizations and industry leaders across the world to make sure that data is usable and actionable in operational wildfire situations, with the goal of supporting scalability of products and relevancy in the field.</i></p> <p>David Green, Program Manager, Wildfire and Disaster Applications, NASA</p>
<p>10:30</p>	<p>NETWORKING BREAK</p>
<p>11:00</p>	<p>INDUSTRY PARTNERSHIP SESSION</p>
<p>11:30</p> 	<p>WILDFIRES IN TIMES OF CRISIS: CHALLENGES FOR INTERNATIONAL COOPERATION</p> <ul style="list-style-type: none"> • Unprecedented rapid climate change • Fire crises in contaminated terrain, conflict and post-conflict areas • Towards development of an International Framework for Landscape Fire Management <p>Johann Georg Goldammer, Chief, Global Fire Monitoring Center (GFMC) Germany</p>
<p>12:10</p>	<p>LUNCH AND NETWORKING BREAK</p>
<p>13:10</p> 	<p>GEOSPATIAL PARTNERSHIP SESSION</p> <p>This session will look at how incident management and operational awareness are buttressed by the collection, storage and analysis of actionable and accessible data. Data from remote sensors, thermal cameras, drones, satellites and other technologies will be a major focus, with panellists discussing how they are integrating each into the suite of tools available for fire managers.</p> <p>David Green, Program Manager, Wildfire and Disaster Applications, NASA Everett Hinckley, Remote Sensing Manager, USDA Forest Service Other Representatives from the USDA Forest Service</p>
<p>14:00</p>	<p>INDUSTRY PARTNERSHIP SESSION</p>

<p>14:30</p> 	<p>ADVANCES IN WILDFIRE RISK GOVERNANCE IN PORTUGAL AFTER 2017</p> <ul style="list-style-type: none"> • <i>Technologies used for wildfire management in Portugal</i> • <i>Interagency approaches across the countries and internationally</i> • <i>Best practices for coordination and communication</i> <p>Tiago Oliveira, Director, Agency Integrated Management of Rural Fires (AGIF) Portugal</p>
<p>15:00 NETWORKING BREAK</p>	
<p>15:20</p> 	<p>WILDFIRE NATIONAL AND INTERNATIONAL COLLABORATIVE INITIATIVES - SPAIN</p> <p>Latest wildfire events, both at national and international level, have reinforced the need of solid and well-trained mechanisms for sharing resources across borders in all phases related to wildfire management. This session will look at ways that Spain, within the context of the EU and globally, is contributing and facilitating collaborative initiatives in wildfire management.</p> <p>Elena Hernández Paredes, Service Manager, Spanish Forest Fire Service Marc Castellnou, Wildland Fire Incident Commander and Fire Analyst, Catalan Fire Service, Spain</p>
<p>15:40</p> 	<p>DEVELOPING FIRE MANAGEMENT STRATEGIES IN SOUTHEAST ASIA</p> <ul style="list-style-type: none"> • <i>Unique regional challenges, including how to approach suppression and mitigation of purposely set brush clearing fires getting out of control</i> • <i>Building up programs across borders within ASEAN nations</i> • <i>International cooperation with partner nations in Oceania, Asia and North America</i> <p>Jean-Michel Dumaz, Civil Protection and Crisis Management Attaché, French Embassy, Singapore</p>
<p>16:10</p> 	<p>GROUNDBREAKING APPROACHES FOR FIRE MITIGATION IN CALIFORNIA</p> <ul style="list-style-type: none"> • Exploring fuels treatment programs across California • Impacts of fuels on fire spread and fire behaviour within the WUI • Cal Polytechnic WUI Institute efforts to leverage industry solutions <p>Dr. Christopher Dicus, PhD, President, Association for Fire Ecology</p>
<p>16:40 CHAIRPERSON'S CLOSING REMARKS & END OF CONFERENCE</p>	