INTERNATIONAL ASSOCIATION OF WILDLAND FIRE

ANNUAL REPORT





4 MESSAGE FROM THE PRESIDENT
Turning Goals into Realities

5 ABOUT US
The International Association of Wildland Fire

6-7 ORGANIZATION

8 STRATEGIC FOCUS
Our Vision
Our Mission

9-11 STRATEGIC DIRECTION
Strategic Goals
Collaborative Programs and Partnership Activities

12-15 2016 ACCOMPLISHMENTS
Relevance and Value
Leadership
Membership
Member Professional Growth

16-17 CONFERENCES
IAWF Conferences
Partner Conferences
Planning for upcoming conferences

18 COMMUNICATION

IJWF
Wildfire Magazine
Website
Social Media

AWARDS

Ember Award

Fire Management Award

Early Career Award

Spark Award

20-21 SPECIAL PROGRAMS
Students of Fire
Fired Up
Monte Dolack Poster

22-23 FINANCE





TURNING GOALS INTO REALITIES

As we move into 2017, it is time to assess the 2016 achievements and influences of the International Association of Wildland Fire (IAWF). It has been a thought-provoking, challenging, and busy year permeated with motivating events, varied responses to challenges, and development and implementation of important activities to better prepare for the future.

In today's environment, wildland fire management receives more social and political attention than ever before and faces demands and needs never experienced before. Emerging trends, both good and bad, are pushing the program far beyond its historical beginnings and influencing management capability, opportunities, and direction.

Since its inception, the IAWF has actively sought to help meet future challenges for the international wildland fire community. It has worked as the acknowledged professional resource for local to global scale knowledge, education, and professional development. It has worked to support standards; and bring science, best practices, and the best people together to actively shape the future of wildland fire profession and the world we live in. We work with professionals, policy makers, and society at all levels to help make choices about fire and its environment and to balance diverse demands and needs. We must expect the business of wildland fire management to continue to present new and unique fire environment changes and associated issues; create greater needs for attention, preparedness, response, and learning; and challenge our knowledge, experience, and perceptions. There is much to be done.

Protection of natural, cultural, and social values, while becoming increasingly important and difficult, remains a preeminent program component. Collaborative undertakings involving affected and interested participants that align objectives and address scale and priority must be included. Better preparation, planning and program effectiveness; and continued learning cannot lose emphasis. Making landscapes more resilient to fire, strengthening the ability of human populations and infrastructure to withstand fire presence, and making safe, effective, and efficient risk-based wildfire management decisions and responses are critical to future success. Sustaining research and information transfer; increasing attention, and commitment to firefighter safety; and improving attention to human capacity and professional development all warrant elevated efforts.

As you read about the IAWF in the following sections, I hope you will be excited over the 2016 achievements. This report is arranged into two main sections. The first will provide you a clear description of why we have the IAWF, who we are, how we are organized, and what we do. The second section will provide an in-depth description of what activities we have engaged in during 2016. I hope you will be impressed with the innovation, energy, and creativity that IAWF has employed to further define strategic direction, plan and implement strategic actions, and to help meet wildland fire management needs by turning our goals into realities. None of the achievements of 2016 would be possible without the tireless, selfless, and volunteer efforts of so many individuals; their efforts truly personify the IAWF vision and goals. I also hope the continued emphasis, activities, and growth of our Association clearly demonstrate our commitment to supporting our members and improving international wildland fire management. We have sustained such efforts for 26 years and promise to continue to place the highest emphasis on enduring performance, quality, and relevance in all activities in support of wildland fire management in the future.

TOM ZIMMERMAN

President



Wildland fire management encompasses a broad spectrum of planning, implementation, and monitoring and evaluation activities. These activities are designed to safely protect people, property, communities, societal infrastructure, and natural resources from detrimental effects of unwanted fires, to use fire where appropriate, to make all landscapes and human populations resilient to fire-related disturbances; and to accomplish stated objectives. Wildland fire management involves the application of ecologic, social, and physical science, risk-based decision-making, risk management, human performance, and community engagement for discovery of new knowledge and capabilities; strategic planning for prevention, suppression, prescribed fire, use of wildland fire; and tactical application of the full range of ground and aerial implementation practices.

The International Association of Wildland Fire was established in 1990 as an independent, non-profit organization to facilitate global communication about wildland fire and provide leadership through a neutral forum that considers and addresses all important, and at times controversial, wildland fire issues. IAWF has a wide-ranging mission built on a foundation of both current and future ecological, social, economic, and

political considerations that affect wildland fire management. We are fervently interested in promoting a better understanding of wildland fire through:

• improving awareness of the interrelationship of this dynamic natural force and natural resource management,

• improving research and information transfer,

• advancing operational implementation methods and standards.

- increasing attention. consideration, and commitment to firefighter safety, and
- furthering professional development.

Membership spans all continents around the world. As a broad and welcoming global organization, IAWF members include anyone having an interest in any aspect of wildland fire.



EXECUTIVE COMMITTEE:

The IAWF Executive Committee consists of the President, Vice-President, Treasurer, Secretary, and Executive Director. The Executive Director serves as an ex-officio (non-voting) member. All of these positions, except for the Executive Director are members of the Board of Directors. The role of the Executive Committee is to provide consultation and guidance to the Association's Executive Director on matters related to the affairs of the Association between meetings of the Board of Directors; approve any extraordinary expenditure of funds, subject to Board ratification, evaluate the performance of the Executive Director and carry out other duties established by the Board of Directors. Executive Committee members during 2016 were:



TOM ZIMMERMAN
PRESIDENT
BOARD MEMBER SINCE 2012
Portfolio Manager,
Wildland Fire Management
Management and Engineering
Technologies International, Inc.
(METI) Idaho, USA



ALEN SLIJEPCEVIC
VICE PRESIDENT
BOARD MEMBER SINCE 2014
Deputy Chief Officer
Capability and
Infrastructure,
Country Fire Authority
Australia



ALBERT SIMEONI
TREASURER
BOARD MEMBER SINCE 2014
Director of Wildland
Fire Services
Jensen Hughes
Massachusetts, USA



KATHY CLAY
SECRETARY
BOARD MEMBER SINCE 2013
Fire Marshal,
Battalion Chief,
Jackson Hole Fire
Wyoming, USA



MIKEL ROBINSON Executive Director Montana, USA

EXECUTIVE DIRECTOR:

The Executive Director is employed by the Board to serve as the chief executive and operating officer of the Association, responsible for the management of its activities and operations in accordance with policies established by the Board. During 2016, the IAWF Executive Director was:

COMMITTEES:

The Board of Directors establishes committees as necessary on both a standing and ad-hoc basis. Committees respond to important and ongoing business identified by the Board that requires special expertise and more attention than can be given at a Regular Board meeting. Committees will take on the responsibility of addressing whatever the business is on behalf of the Board and provide the Board with a credible and expert perspective.

During 2016, standing committees included:

- Executive Committee,
- Finance Committee, and
- Nominating Committees.

These were all comprised exclusively of members of the Board. Additional committees

that functioned during 2016 included:

- Strategic Planning Committee
 Will Strategic Planning Committee
- Wildfire Editorial Board
- Scholarships Committee
- Long Range Conference Planning Committee
- Awards Committee
- Membership Committee
- Wildland Fire Safety Award Selection Committee
- International Journal of Wildland Fire Advisory Board

In addition to committees, IAWF establishes initiative work groups as needed. In 2016, two such work groups existed which are the Students of Fire Initiative and the Fire-Up Initiative.

BOARD OF DIRECTORS:

The IAWF Board of Directors is comprised of 17 members representing seven different countries around the world. The President, Vice-President, Treasurer, and Secretary are listed above; the remaining Board members for 2016 are:



TIMOTHY BROWN BOARD MEMBER SINCE 2014 Desert Research Institute. Reno, Nevada, USA



DAVID BRUCE BOARD MEMBER SINCE 2016 Communications Manager, Bushfire and Natural Hazards Cooperative Research Centre, Victoria, Australia



MURRAY CARTER BOARD MEMBER SINCE 2016 Director Office of Bushfire Risk Management (OBRM) Western Australia



EUAN FERGUSON BOARD MEMBER SINCE 2016 AFSM Victoria, Australia



PAULO FERNANDES BOARD MEMBER SINCE 2013 University of Trás-os-Montes and Alto Douro (UTAD), Dept. of Forest and Landscape, Vila Real, Portugal



MICHAEL GOLLNER BOARD MEMBER SINCE 2016 Department of Fire Protection Engineering, University of Maryland, College Park, Maryland, USA



ADAM GOSSELL BOARD MEMBER SINCE 2011 Senior Manager of Alberta's FireSmart Program for Alberta Agriculture & Forestry Alberta, Canada



NAIAN LIU BOARD MEMBER SINCE 2015 Professor, Fire Safety Engineering, State Key Laboratory of Fire Science (SKLFS), University of Science and Technology of China Peoples' Republic of China



JERRY MCADAMS BOARD MEMBER SINCE 2014 Wildfire Mitigation Coordinator, Boise Fire Department, Boise, Idaho, USA



DAN NEARY BOARD MEMBER SINCE 2011 US Forest Service, Rocky Mountain Research Station Arizona, USA



GUILLERMO REIN BOARD MEMBER SINCE 2014 Senior Lecturer, Imperial College London, UK



TODDI A. STEELMAN, PH.D. BOARD MEMBER SINCE 2016 Executive Director and Professor, School of Environment and Sustainability, University of Saskatchewan, Saskatchewan, Canada



KAT THOMSON BOARD MEMBER SINCE 2014 Director, Operations Research, Uniformed Fire Officers Association, IAFF Local 854, New York City, NY & Contract Air Attack Officer, Wildfire Management, Alberta Environment and Sustainable Resource Development New York, NY

STRATEGIC FOCUS

UNITING THE GLOBAL WILDLAND FIRE COMMUNITY

IAWF takes pride in being the acknowledged professional resource for local to global scale scientific and technical knowledge, education, networking and professional development for the international wildland fire community. Our Vision is simple, but descriptive and impactful for the discipline and field of wildland fire management:



OUR VISION:

Uniting the Global Wildland Fire Community

OUR MISSION:

- To facilitate discovery and communication in wildland fire science, advancement in strategic and tactical planning and implementation, and leadership for the wildland fire community.
- To promote a better understanding of wildland fire, built on the belief that an understanding and use of this dynamic natural force is vital for natural resource management, for firefighter and community safety, and for harmonious interaction between people and their environment.
- To communicate with the wildland fire community and provide global linkage for people with shared interest in wildland fire and comprehensive fire management.

STRATEGIC DIRECTION

GOALS AND STRATEGIES:

The strategic direction of the IAWF is defined through our Goals and Strategies identified in our Strategic Plan and our ongoing efforts in collaboration, and partnerships.

GOAL

IAWF RELEVANCE AND VALUE

Enhance and grow the capacity of IAWF to provide high-quality services to members and the profession.

- Strategy 1: Ensure that governance, financial, and operational capabilities are sufficient and sound so that the strategic plan can be implemented.
- Strategy 2: Build and strengthen relationships with other societies and organizations to increase partnerships, cooperation, and capacity for collective action around key issues of common interest and need.
- Strategy 3: Establish and leverage collaborative processes for members and interested individuals to contribute and exchange information, and evaluate ideas, and develop recommendations.

GOAL

LEADERSHIP

Advocate for the wildland fire management program and profession.

- Strategy 1: Act in an independent role to provide leadership to global wildland fire management
- Actively promote the development, advancement and application of scientific and Strategy 2: operational principles to safeguarding people, property, mission, heritage and the environment from the negative impacts of unwanted fire.
- Strategy 3: Act a global leader in presenting neutral forums for discussion of important and controversial wildland fire issues, developing recommendations in the form of position papers, testimonies, declarations, and affirmations for resolution, and setting standards to accelerate awareness by the public, scientists, and governments.

MEMBERSHIP

Ensure IAWF has a sustainable and active membership base supported by the association.

- Encourage increased membership and involvement through active promotion Strategy 1: across multiple platforms and activities.
- Strategy 2: Follow a broad philosophy of social inclusion realizing that our association will be strongest and achieve its full potential through optimization of global, gender, and age membership diversity.
- Provide products, services, and capabilities to all individuals interested in the Strategy 3: wildland fire profession.

STRATEGIC DIRECTION

GOAL

MEMBER PROFESSIONAL GROWTH

Provide the means to aid members' professional growth.

- Utilize members' knowledge and experience for research and problem solving. Strategy 1:
- Recognize individuals for exemplary service to IAWF and to the wildland fire profession. Strategy 2:
- Recognize individuals for potential contributions to wildfire science and safety through Strategy 3: scholarships, grants, and initiatives such as Students of Fire.
- Enhance engagement and involvement of students and early career scientists, and Strategy 4: provide networking opportunities for all individuals interested in wildland fire.
- Strategy 5: In concert with other organizations, help develop and support core competencies (education, skills, knowledge, etc.) and roles and responsibilities for the profession.

GOAL

WILDLAND FIRE INFORMATION DISSEMINATION

Promote development, expansion and dissemination of wildland fire knowledge and information.

- Individually and together with other partners around the world, plan, implement, and present significant technical conferences, symposia, workshops, meetings, webinars, special sessions, training courses, and other opportunities to deliver educational, professional development, and networking opportunities.
- Strategy 2: Promote and distribute strategic and tactical solutions that address and incorporate wildland fire safety concerns.
- Strategy 3: Support continued and accelerated multidisciplinary fire science research programs to advance this field.
- Support the development, delivery, and proliferation of wildland fire knowledge Strategy 4: transfer programs.

GOAL

IAWF COMMUNICATION

Through aggressive strategies, utilize all appropriate modes of communication to increase awareness of IAWF, its role as an international leader for wildland fire, and its benefits for members.

- Strategy 1: Produce and distribute a high quality popular magazine of interest to a wide ranging audience - Wildfire.
- Strategy 2: Produce and distribute a high quality, peer-reviewed, professional, scientific journal -International Journal of Wildland Fire.
- Strategy 3: Utilize all aspects of social media to rapidly disseminate information, including, but not limited to: Twitter, Facebook, LinkedIn, and others.
- Strategy 4: Utilize integrated communications planning, Website plans for new design, function, and platform, eNews – content and distribution.
- Strategy 5: Increase awareness of the importance of Wildfire issues for non-fire audiences.

STRATEGIC DIRECTION

COLLABORATIVE PROGRAMS AND PARTNERSHIP ACTIVITIES:

IAWF strongly believes in collaboration as a means to build strength, influence important issues, and advance solutions. We continue to seek collaborative opportunities, sustain and build collaborative efforts, and work with others to accomplish important goals. Partnering with other organizations enable us to better accomplish common objectives, allow for shared effort, capitalize on different expertise, and create strategic alliances.

IN 2016 PARTNERS AND COLLABORATORS INCLUDED:

Association for Fire Ecology (AFE):

The Association for Fire Ecology (AFE) is dedicated to improving the knowledge and use of fire in land management. The AFE sponsors conferences, publishes the Journal of Fire Ecology, and provides wildland fire professional certification and wildland fire academic program certification services, as well as other education, outreach, and membership development services.

Bushfire and Natural Hazards CRC:

The Bushfire and Natural Hazards CRC focuses on the impact of natural hazards on the Australian community and the need for emergency services, land managers, all levels of government and the private sector to understand a range of hazards more thoroughly. It conducts coordinated and interdisciplinary research that includes working with communities to improve disaster resilience and reduce the human, social, economic and environmental costs from bushfires and other natural hazards. Research supports the development of cohesive, evidence-based policies, strategies, programs and tools to build a more disaster resilient Australia. Research is structured into three major themes: policy and economics of hazards, resilience to hazards, and understanding and mitigating risks.

International Fire Relief Mission:

The International Fire Relief Mission provides humanitarian aid to fire and EMS first responders in developing countries by recycling serviceable firefighting and EMS equipment.

National Fallen Firefighters Foundation (NFFF):

The National Fallen Firefighters Foundation leads a nationwide effort to honor and remember America's fallen fire heroes, provide resources to assist their survivors in rebuilding their lives, and work within the fire service community to reduce firefighter deaths and injuries. They sponsor the National Memorial Weekend at Memorial Park in Emmitsburg, MD each year.

Pau Costa Foundation:

The Pau Costa Foundation serves as a reference platform to promote the dissemination of knowledge in fire ecology and forest fire management from technical and research fields on an international scale, to the World and society in general.

Wildland Firefighter Foundation (WFF):

The Wildland Firefighter Foundation's focus is to help families of firefighters killed in the line of duty and to assist injured firefighters and their families. They honor and acknowledge past, present and future members of the wildland firefighting community, and partner with private and interagency organizations to bring recognition to wildland firefighters.

More information on collaborative efforts is provided in the Accomplishments Section.

RELEVANCE AND VALUE

The IAWF strives to sustain and improve its relevance and value to the global wildland fire management community by providing high-quality services to members and the profession. Accomplishments in this area in 2016 included:

- **Strategic planning:** A three-year Strategic Plan was completed and approved by the Board. The Plan describes the IAWF Vision, Mission, and Goals and Strategies.
- **Governance:** The IAWF By-Laws were amended to provide a better framework for IAWF activities and operations.
- Strengthening alliances:
 - AFE: The IAWF continued to pursue collaborative efforts with the Association of Fire Ecology, and following a highly successful jointly sponsored fire conference in 2014, began planning for a jointly sponsored large fire conference in 2018. The two associations are working to share Board members in an effort to strengthen working relationships and maximize efforts on common objectives.
 - Bushfire and Natural Hazards CRC: In 2016, the IAWF partnered with Bushfire and Natural Hazards CRC to conduct the 5th International Fire Behavior and Fuels Conference in Melbourne, Australia, and Portland, OR, USA concurrently with the use of virtual technology.
 - **NFFF:** The IAWF continues to support the NFFF Memorial Weekend by sending representatives in support of activities and recognize the important work of the NFFF.
 - Pau Costa Foundation: The IAWF partnered with the Pau Costa Foundation in 2016 to plan the 14th Wildland Fire Safety Summit in conjunction with Pau Costa's International Congress on Prescribed Fires to be held in January 2017 in Barcelona, Spain. The IAWF has accepted an offer to provide a member position to the Pau Costa Foundation's Board of Supervisors beginning in 2017.



LEADERSHIP

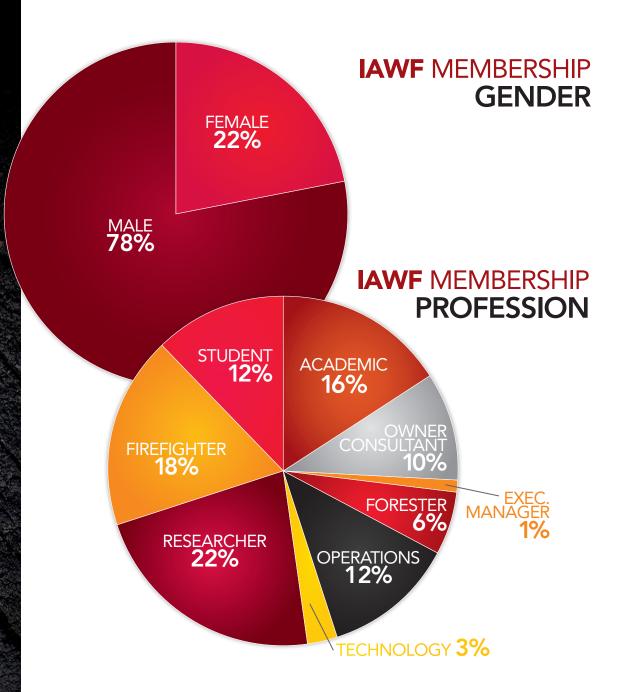
The IAWF provides leadership to actively advocate for wildland fire management program and profession and seeks to find solutions to issues and advance the field.

- **Provide independent leadership:** The IAWF annually completes visits to US congressional staff to discuss important wildland fire management issues and encourage attention and support. In 2016, the IAWF presented information pertaining to wildfire funding legislation, fire science research funding and support, overall wildfire and fuels budget levels, continued support for the National Cohesive Strategy, and needs for increased fuel treatment activities to multiple legislators.
- Participate in neutral forums for discussion of important and controversial wildland fire issues:
 - Congressional Fire Services Institute (CFSI): The CFSI exists as a non-profit, nonpartisan policy institute designed to educate members of the US Congress about the needs and challenges of our nation's fire and emergency services so that the federal government provides the types of training and funding needed. The strength of CFSI lies in its National Advisory Committee (NAC) comprised of 39 trade groups, issue organizations, and professional associations including the leading fire service organizations in the country. The IAWF is a member of the NAC and attends the annual meeting and can introduce resolutions as needed for consideration by the committee. In 2016, IAWF members represented the association at the CFSI dinner and symposium, presented a seminar during the national meeting, and attended the NAC meeting and raised the issue of federal wildfire funding. Also in 2016, the IAWF submitted a proposal to present a seminar at the 2017 CFSI symposium that has been accepted.
 - Partner Caucus on Fire Suppression Funding Solutions: This Caucus is a diverse group of over 120 international, national and local organizations that seek a comprehensive solution to the US wildfire suppression funding. In 2016, the IAWF supported multiple initiatives and was a signatory to correspondence to the Senate Majority and Minority leaders, and the Speaker of the House of Representatives and Democratic House Leader. We also worked with the ranking Democrat (Senator Maria Cantwell, WA) on the Senate Energy and Natural Resources Committee to assist in development of a wildfire disaster funding bill. To date, no legislations has been passed but IAWF will continue to raise and support resolution of this issue.
- Promote the safeguarding of people, property, mission, heritage and the environment from the negative impacts of unwanted fire.
 - Western Region Strategy Committee: This Committee is comprised of Senior Regional Leadership and the Western Collaborative Advisory Team. It promotes and facilitates resilient landscapes, fire adapted communities, and a safe, effective, risk based western fire response across the geographic and political boundaries of the western landscape using a network approach. IAWF maintains active support to this group and provides a representative to the Western Region Strategy Committee Senior Regional Leadership (Tom Zimmerman) and a representative to the WRSC Collaborative Advisory Team (Chuck Bushey.)

MEMBERSHIP

MEMBERSHIP TYPE	ANNUAL RATE	ANNUAL RATE WITH IJWF
Individual	\$80	\$225
Student	\$35	\$180
Volunteer or Seasonal Firefighter (*new in 2016)	\$50	\$195
Library	\$95	NA
Corporate 5	\$310	NA
Agency	\$750	Included 2 copies





MEMBER PROFESSIONAL GROWTH

MEMBERSHIP COMMITTEE

In an attempt to increase membership among volunteer and seasonal firefighters, we added a new Membership Type in 2016 - Volunteer or Seasonal Firefighter Member.

"A Seasonal/Volunteer Firefighter Members shall receive benefits of membership, voting rights, is eligible to hold board seats and pays dues as determined by the Board of Directors in accordance with these Bylaws. Seasonal/Volunteer Firefighter Memberships include one subscription to Wildfire Magazine, discounted subscription to the International Journal of Wildland Fire and discounted conference registration rates."

IAWF SCHOLARSHIPS

Each year, since 2007, the IAWF awards two graduate-level scholarships typically valued at \$3,000 USD to Master of Science (M.Sc.) or Ph.D. students studying wildland fire or wildland fire-related topics. Student submitted essays are evaluated by an international panel of fire science experts and one award recipient is chosen for the Masters level and one for the Doctoral level.

NOÉMIE GONZALEZ BAUTISTA

PhD candidate, Université Laval Québec, Canada

Noémie received her first master's degree in environmental science in 2005 from the Institut National Polytechnique de Lorraine (France). After several years working in environmental education, she returned to university to earn a master's degree in ecological anthropology from the Museum d'Histoire naturelle de Paris (France) which led her to her present PhD research in anthropology at Université Laval (Québec, Canada). For this project, she will be working with the Atikamekw community of Wemotaci in the Nitaskinan territory within the province of Québec, and with the SOPFEU, the provincial forest fire protection agency. The primary objective of her study is to understand and to describe the relationship between these two groups, with a particular emphasis on their respective ways of interacting with wildfires and the territory. In particular, she will be examining the coexistence of SOPFEU's technical knowledge and know-how and indigenous knowledge and know-how. Noémie hopes that this study will serve as a tool to help SOPFEU and the Atikamekw, as well as other forest fire management agencies and First Nations, to share knowledge, experiences and capacities for better wildfire management and more resilient communities.

MONIQUE WYNECOOP

Master of Science, Fire Science Program, College of Natual Resources, University of Idaho

Monique received a dual major in Ecology and Conservation Biology and Fishery Sciences and a minor in American Indian Studies at University of Idaho in 2010. She is now employed as a USFS Fire Ecologist for the Colville National Forest and is pursuing a Masters of Science in the Department of Forest, Rangeland, and Fire Sciences at the University of Idaho. She is Mountain Maidu and her husband and children are Spokane Tribal members. Her research project is inspired by her family and the cultural importance of their ancestral homelands. It is her goal that her children and all of the future generations of local tribes feel that their best interests are addressed in the management of natural resources, on and off the reservation. As a Fire Ecologist, and part of the monitoring committee, she developed her thesis as a collaborative socio-economic and fire effects monitoring project for the Colville National Forest Collaborative Forest Landscape Restoration Program (CFLRP). The project emphasizes cross-cultural collaboration and fire ecology of understory vegetation of the western half of the Colville National Forest. She uses modified monitoring techniques to look at the impacts of wildfire and U.S. Forest Service fuels reduction treatments on understory vegetation while also using a participatory GIS program developed by the Rocky Mountain Research Station (RMRS) to look at the perspectives of the Confederated Colville Tribal community regarding how their cultural practices and livelihoods are being impacted by such treatments. Her research has required constant collaboration and trust-building between all parties involved, and she plans on continuing this monitoring project as part of her Forest Service position to further collaboration and knowledge-sharing between local tribal and non-tribal governments and scientific communities for years to come.





IAWF 2016 ANNUAL REPORT

WILDLAND FIRE INFORMATION DISSEMINATION



5TH INTERNATIONAL FIRE BEHAVIOR AND FUELS CONFERENCE

The 5th International Fire Behavior and Fuels Conference was held April 11-15, 2016 concurrently in Portland, Oregon and Melbourne, Australia.

The theme of this year's conference was Wicked Problems, New Solutions: Our Fire, Our Problem. The purpose of the Fire Behavior and Fuels Conference is to advance the knowledge and practice of fire behavior and fuels management in the field of wildland fire and support sound choices in fire management. Many attendees return to each subsequent conference because it gives them an opportunity to enforce their skill set and maintain working relationships, as well as

develop new relationships with others in the field.

Over 650 individuals attended both conferences, with 340+ in Portland, Oregon and 310+ in Melbourne, Australia.

Each venue also held workshops, field trips and a trade show. The venues were connected virtually by sharing 2 keynote presentations and 1 combined panel session.

The joint conference as two venues in two different countries was very well received and the overall consensus from the attendees was that we should continue to use this format when possible.



2ND INTERNATIONAL SMOKE SYMPOSIUM (ISS2)

The ISS2 was held in Long Beach, California, November 14-17, 2016 as a hybrid event. A hybrid combines in-person and streaming presentations; all plenary and concurrent sessions were professionally videotaped and streamed live. This allowed remote attendees to interact in real time with the presenters and other remote attendees.



The purpose of the ISS2 is to convene air quality, fire, and smoke specialists from the research community, non-governmental organizations (NGOs),



local/state/federal government agencies and tribes to discuss the state-of-the-science and state-of-the-applied-science for smoke management and addressing the air quality impacts of wildland fire smoke.

Over 250 individuals attended both the in-person and virtual conference. The symposium also included workshops and a trade show.

PARTNER CONFERENCES

The IAWF was pleased to partner with the following conferences in 2016.



EIGHTH INTERNATIONAL SEMINAR ON FIRE AND **EXPLOSION HAZARDS** (8TH ISFEH)

APRIL 25 - 28, 2016

Hefei, China

Hosted by the State Key Laboratory of Fire Science (SKLFS) from the University of Science and Technology of China (USTC)



11TH BIENNIAL LONGLEAF CONFERENCE **GROWING A LEGACY:** A WORKING FOREST FOR THE LONG RUN **NOVEMBER 1-4, 2016**

Savannah, GA

Hosted by The Longleaf Alliance



BUSHFIRE 2016: "CONNECTING SCIENCE, PEOPLE AND PRACTICE" SEPTEMBER 28-30, 2016 University of Queensland,

St Lucia campus, Brisbane, Australia

Hosted and coordinated by the South-East Queensland Fire and Biodiversity Consortium (SEQ Fire and Biodiversity Consortium)

V International Simposium

ON FIRE ECONOMICS, PLANNING AND POLICY: WILDFIRES AND ECOSYSTEM **INTERNATIONAL** SYMPOSIUM ON FIRE ECONOMICS. PLANNING AND **POLICY: WILDFIRES AND ECOSYSTEM SERVICES NOVEMBER 14-18, 2016**

Tegucigalpa, Honduras

PLANNING FOR UPCOMING CONFERENCES

The IAWF will continue to partner and host conferences in the coming years:

14TH INTERNATIONAL WILDLAND FIRE SAFETY SUMMIT, IN **CONJUNCTION WITH THE** INTERNATIONAL CONGRESS ON PRESCRIBED FIRE **JANUARY 31, 2017**

Barcelona, Spain

NATIONAL COHESIVE WILDLAND FIRE MANAGEMENT STRATEGY WORKSHOP ALL HANDS. ALL LANDS: IMPLEMENTATION **ROOTED IN SCIENCE**

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

APRIL 25-27, 2017 Reno, Nevada

2ND NATIONAL COHESIVE WILDLAND FIRE MANAGEMENT STRATEGY WORKSHOP ALL HANDS, ALL LANDS: IMPLEMENTATION ROOTED IN SCIENCE

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

MARCH 26-29, 2018 Reno, Nevada

THE FIRE CONTINUUM CONFERENCE: PREPARING FOR THE FUTURE OF WILDLAND FIRE IN CONJUNCTION WITH THE ASSOCIATION FOR FIRE ECOLOGY

MAY 21-25, 2018

Missoula, MT, USA

INTERNATIONAL WILDLAND FIRE SAFETY SUMMIT IN CONJUNCTION WITH AFAC'S PROFESSIONAL DEVELOPMENT DAY **SEPTEMBER 4-7, 2017**

Sydney, Australia

AERIAL FIREFIGHTING EUROPE 2017. THE ESSENTIAL FIREFIGHTING AEROSPACE FORUM

Hosted by Tangent Link

OCTOBER 17-18, 2017

Nimes, France

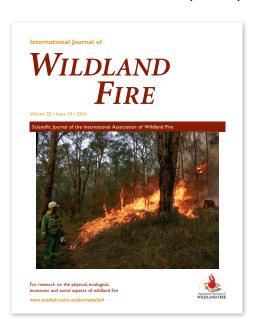
15TH INTERNATIONAL WILDLAND FIRE SAFETY SUMMIT/5TH HUMAN **DIMENSIONS CONFERENCE**

FALL 2018 USA

6TH FIRE BEHAVIOR AND FUELS CONFERENCE **APRIL 2019** Sydney, Australia and Western USA

IAWF COMMUNICATION

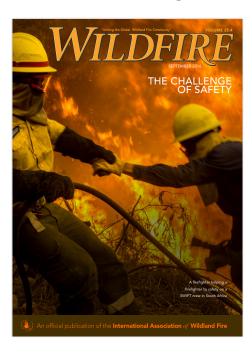
INTERNATIONAL **JOURNAL OF** WILDLAND FIRE (IJWF)



In 2016, IAWF signed a 5-year contract with CSIRO to continue publishing IJWF. 2016 also marked IJWF's 25th year of publication. The journal increased the number of issues published from 8 to 12 times per year. IJWF continues to publish new and significant articles that advance basic and applied research concerning wildland fire. Published papers aim to assist in the understanding of the basic principles of fire as a process, its ecological impact at the stand level and the landscape level, modelling fire and its effects, as well as presenting information on how to effectively and efficiently manage fire. The journal has an international perspective, since wildland fire plays a major social, economic and ecological role around the globe.

The 20 most read papers since its inception were identified and added to the IAWF webpage. The 2016 Outstanding Associate Editor for IJWF was Dr. Geoff Cary, Associate Professor in wildland fire (bushfire) science in the Fenner School of Environment and Society at the Australian National University (ANU).

WILDFIRE MAGAZINE



In 2016, Wildfire Magazine celebrated 25th year of publication. Wildfire Magazine is the only global magazine that connects fire researchers, government agencies, universities, non-governmental organizations, consultants, the fire business, fire-affected communities, and leaders in wildfire, bushfire and all-risk management. We published 5 issues in 2016, which can be found at www.wildfiremagazine.org.

Wildfire Magazine started out as the no-fuss newsletter Hotsheet in 1992 with a proposal to become a forest fire magazine that would complement the growing list of publications published by IAWF.

Future editions of Wildfire in 2017 will draw on content from early editions and see how we have gone about the task of "uniting the global wildland fire community."

SOCIAL MEDIA IAWF uses Facebook, Twitter and LinkedIn to disseminate information

IAWF uses Facebook, Twitter and





TWITTER 2437



in LINKEDIN 1100

IAWF AWARDS

The IAWF presented several awards in 2016.

Annual award nominations are open each year in the fall.

THE EMBER AWARD FOR EXCELLENCE IN WILDLAND FIRE SCIENCE

was presented to

DR. KEVIN TOLHURST, AM,

Associate Professor, Fire Ecology and Management, Department of Forest and Ecosystem Science, University of Melbourne, at the 5th Fire Behavior and Fuels Conference in Melbourne, Australia.

THE EXCELLENCE IN WILDLAND FIRE MANAGEMENT AWARD

was presented to

JIM BRENNER,

Fire Management Administrator Florida Forest Service, Florida Department of Agriculture and Consumer Service, at the 5th Fire Behavior and Fuels Conference in Portland, Oregon.

THE EARLY CAREER AWARD IN FIRE SCIENCE

was presented to

DR. GUILLERMO REIN,

Senior Lecturer, Imperial College London, UK, at the 2nd International Smoke Symposium in Long Beach, CA.

THE RECIPIENTS OF THE SPARK AWARD: BEST STUDENT PRESENTATION

were presented at the

2nd International Smoke Symposium in Long Beach, CA

FIRST PLACE: JOSHUA HORSLEY,

University of Sydney, AustraliaForecasting fire smoke exposure and health impacts in Australia

SECOND PLACE: SCOTT KELLEHER,

Colorado State University Low-cost wildfire smoke monitoring and detection

THIRD PLACE: STEVEN BREY,

Colorado State University

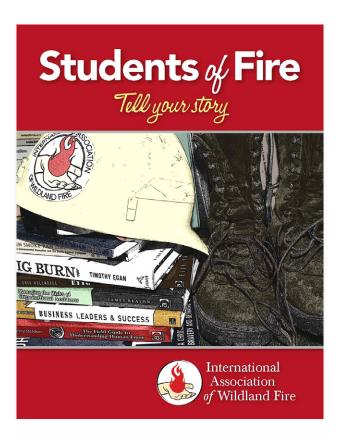
There's the smoke, where's the fire? A regional analysis of which fires impact U.S. air quality based on a decade of HMS smoke data





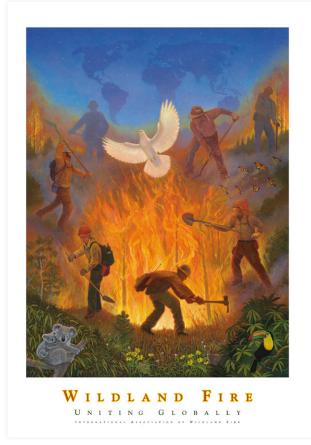


SPECIAL PROGRAMS



STUDENTS OF FIRE

Students of Fire is an IAWF lead initiative that creates a community of practice within the International Wildland Fire Community. The vision is to provide a global network of wildland fire practitioners committed to improving the understanding of Wildland fire and all related natural and social phenomena, and how humans can best live with wildfire to the benefit of all life on earth. The mission is to learn about wildfire from personal experience and self-reflection, and from the experience of others, and to share those learnings responsibly for the benefit of all.



MONTE DOLACK POSTER

Monte Dolack worked with the IAWF to create this beautiful poster to provide dynamic and universal visual communication to the global wildland fire community. Wildland Fire, Uniting Globally measures 24 x 34 and is available for sale on the IAWF webpage.

SPECIAL PROGRAMS

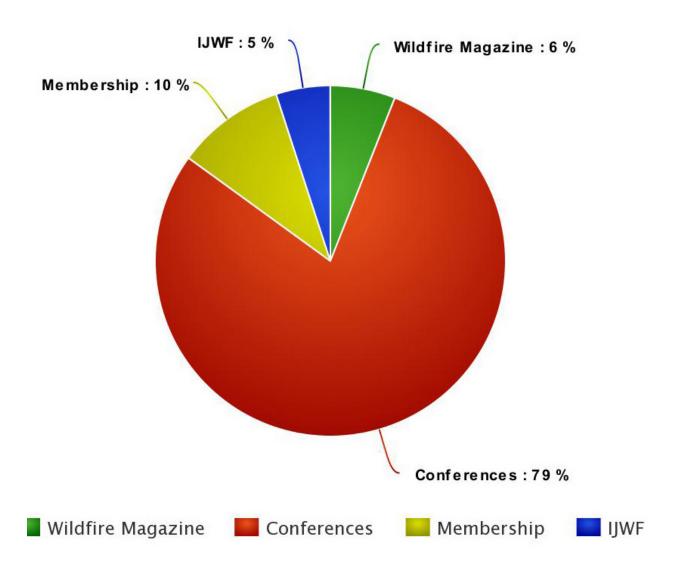
NUAL REPORT | /21



IAWF FINANCES

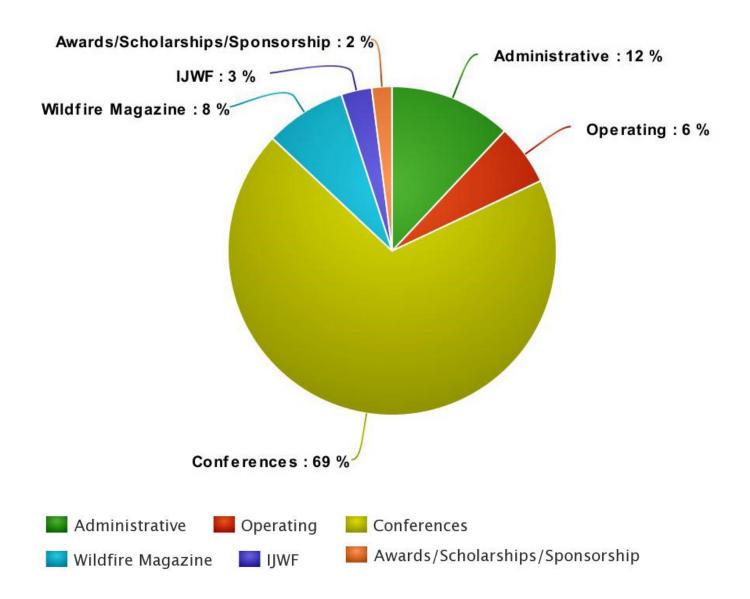
Revenue for the IAWF comes from membership dues, royalties from IJWF, Wildfire Magazine advertising, conferences, grants and cooperative agreements. IAWF is reliant on revenue from conferences to balance the budget. Our goal is to increase membership to cover all of the association expenses so we are not so dependent on conference revenue. Revenue from conferences could then be used to start new initiatives that benefit our membership.

REVENUE



IAWF FINANCES

EXPENSES





INTERNATIONAL ASSOCIATION OF WILDLAND FIRE

ANNUAL REPORT