

7th International Fire Behavior and Fuels Conference
The Rose Hotel, Tralee, Ireland
April 15-19, 2024
PROGRAM SCHEDULE

Monday, April 15			
8:00-10:00	Conference Registration Desk Opens - Beside the main desk		
	WORKSHOPS		
	LEE SUITE		LEE SUITE
10:00-12:00	Trans-Atlantic Lesson-Sharing Lindon Pronto, Senior Fire Management Expert, European Forest Institute; Eric Evenson, Science Communications Specialist, North Atlantic Fire Science Exchange	Workshop on fire behavior analysis. Forest Fires affecting tourist areas in the Atlantic region Jesús Morcillo, Jorge García, David Martín, Pau Costa Foundation	
12:00-1:00	Lunch		
1:00 - 3:00	Interactive Workshop - MeFiTu: Exploring Wildfires Through a Puppet Show with Burning Landscape Models Helena Ballart, David Martín, Jesús Morcillo, Pau Costa Foundation	Innovating Wildfire Management on UXO Lands (Part 1) Lindon Pronto, Senior Fire Management Expert, European Forest Institute and Alexander Held, Senior Fire Management Expert, European Forest Institute	
3:00-5:00	Indigenous Fire Use in Canada Amy Cardinal Christianson (Metis from Treaty 8, IAWF board member), Alex Zahara (Canadian Forest Service, REDfire lab), David Young (Garden River First Nation, Canadian Forest Service, REDfire lab)	Innovating Wildfire Management on UXO Lands (Part 2) Lindon Pronto, Senior Fire Management Expert, European Forest Institute and Alexander Held, Senior Fire Management Expert, European Forest Institute	
5:30 - 7:30	Welcome Reception - Wetlands Eco Park		
Tuesday, April 16			
8:30 - 9:00	Welcome to Country and Opening Ceremony		
9:00-10:00	Keynote Presentation Edward Alexander, Co-Chair, Gwich'in Council International and M. Conceição Colaço, Researcher, ISA's Center for Applied Ecology		
10:00 - 10:30	Morning Tea with Exhibitors - Kerry Suite		
	Lee Suite	Spencer Suite	Pembroke Suite
	Fire Behaviour and Fuels	Fire Behaviour and Fuels	Climate and Weather
	Moderator:	Moderator:	Moderator: Eric Evenson
10:30 - 10:35	Community Directed Wildfire Fuel Mapping Using Aerial Laser Scanning Data Patrick Robinson	Satellite-Driven Framework for Quick Forest Fire Economic Damage Assessment Bushra Sanira Asif	Fire mediated conversion: applying climate adaptation strategies to burned landscapes Camille Stevens-Rumann
10:35 - 10:40	PROPAGATOR for large wildfires: Brazilian case study Nicolò Perello	Impact of Fuel Map Resolution on Fire Simulations in WUIs Paula Sanchez Gayet	Assessing the Extended Attack of Wildfires including pyroconvection Adrián Cardil

10:40 - 10:45	Q&A	Q&A	Q&A
10:45 - 11:00	Prescribed fire – managing the taiga forests in Sweden Anders Heurlin	NASA’s Wildland Fire Initiative Amber Soja	Accuracy of depicted fire behaviour potential varies with fire-danger rating options Paulo Fernandes
11:00 - 11:15	Midlands Peat Bog Fires - Past & Future Anthony Tynan	Multi-decadal trends in climate and wildfire activity across global Mediterranean ecosystems William Jolly	Carbon emissions from United States temperate peatland wildfire Robert Mickler
11:15 - 11:30	Lessons learned from the large fires in Sweden of 2014 and 2018 Jenny Sander	Effect of slope variations and vegetation height on fire propagation dynamics in grasslands Mohammad Tavakol Sadrabadi	Wildfire Mitigation Strategy Impacts to Fire Risk and Greenhouse Gasses Christopher Dicus
11:30-11:45	Q&A and Discussion	Q&A and Discussion	Q&A and Discussion
11:45 - 12:00	Fires of War: Changes in Fire Regimes in Ukraine as a result of the Direct and Indirect Effects of War Serhii Sydorenko	Rediscretizatin methodology impact in EWP wildfire spread simulators Irene González	The 420,002,024th Year of Biomass Burning on Earth: An Updated Review of Climate Change and Global Fire Tim Brown
12:00-12:15	Cross-borders wildfires in the Pacific Northwest: the exemple of British Columbia, Canada Clara Aubonnet	The use of Machine Learning-informed fuel map in the wildfire propagation model PROPAGATOR Nicolò Perello	A novel method to adjust wind speed to mid-flame in low-intensity fires Macarena Ortega Pardo
12:15-12:30	Q&A and Discussion	Q&A and Discussion	Q&A and Discussion
12:30- 12:45			
12:45 -1:45	Lunch (provided)		
	Lee Suite	Spencer Suite	Pembroke Suite
	Fire Behaviour and Fuels	Cultural Perspectives	Operations and management
	Moderator:	Moderator:	Moderator: Eric Evenson
1:45 - 1:50	Remotely sensed vegetation phenology drives large fires spread in northwestern Europe Tomás Quiñones	Bringing science into focus: using boundary spanning to define research priorities Christina Restaino	Planning for Wildfires - Australian Planning and Building Practices Maria Kornakova
1:50-1:55	Analyzing and simulating the fire behavior of Extreme Wildfire Events Adrián Cardil	Place Attachment and Disaster Recovery after Lytton Creek Fire 2021 Tugba Altin	Wildfire response challenges for urban based fire services Darren O Connor
1:55-2:00	Development of fire behaviour metrics computation based on UAV observation of prescribed burn Ronan Paugam	Exploring Trauma and Place: Employing Photo Elicitation and Walking Audio to Understand the Experiences of Individuals Impacted by the Lytton Creek Wildfire 2021 Tugba Altin	North Atlantic Fire Science Exchange Eric Evenson
2:00 - 2:15	Q&A and Discussion	Q&A and Discussion	Q&A and Discussion
2:15 - 2:30	Classification and mapping of custom fuel models and their associated fire behaviour in a Mediterranean region Jose Luis Tome	Leaf traits constrain live fuel moisture content and can model the increasing ignitability of drying plants William Mcneice	How to improve airtanker performance? Dominique Legendre

2:30 - 2:45	Testing a wildfire distribution model to assess the exposure of small villages in mainland Portugal Catarina Cabrita	Historical 22-year AVHRR-GAC-derived Burned Area Product for Siberia (1979–2000) Amber Soja	Mapping wildfire events in Ireland from 2000-2024 from satellite imagery Raul Sampaio De Lima
2:45 - 3:00	Q&A and Discussion	Q&A and Discussion	Q&A and Discussion
3:15-4:00	Afternoon Tea with Exhibitors		
4:00 - 5:15	<p align="center">Keynote Presentation (Shared with Boise) Dr. Mark Parrington, Senior Scientist, Copernicus Atmosphere Monitoring Service Research Department, European Centre for Medium-Range Weather Forecasts and Dr. Joseph L. Wilkins, Assistant Professor, Howard University</p>		
5:15-7:15	Poster Session and Reception		
P o s t e r P r e s e n t a t i o n s	Assessing the Potential Impact of Fuel Management Initiatives on Wildfire Hazard Ana Gonçalves	A coarse-scale risk assessment model for wildfires in the Yukon Jaclyn Semple	
	Mapping tree species and forest structure to aid WUI design using LiDAR data Ana Solares Canal	An investigation into wildfire fuel moisture content: dead or alive Kevin Varga	The Fire Hazard of Storage Sheds in Wildland-Urban Interface Communities Shonali Nazare
	Estimating Live Fuel Moisture Content (LFMC) using Universal Kriging by integrating vegetation indices and meteorological variables Andrea Vinuales	Statistical Comparison of Stochastic Semi-Empirical and Empirical Fire Propagation Potential Mapping Ljiljana Šerić	Assessing the Extended Attack of Wildfires including pyroconvection Adrián Cardil
	Assessing vegetation flammability according to different types of fuel treatment Arthur Boschet	Global Use of the Canadian Fire Weather Index: A Review Lucie Kudláčková	Forest Fires in Central Europe: threats and opportunities Roman Berčák
	Analysing the wildland urban interfaces in four mainland Portuguese municipalities Bruno Barbosa	Quantifying the effects of landscape structure on fire size Luke Oberhagemann	Fire mediated conversion: applying climate adaptation strategies to burned landscapes Camille Stevens-Rumann
	Taking the next step in wildfire education: integrating multiple knowledge forms into co-produced high school fire science curriculum Christina Restaino	The BBURNED activity for improving fire emissions mapping and monitoring Mark Parrington	PROPAGATOR for large wildfires: Brazilian case study Nicolò Perello
	Geopolitical analysis of a wildfire (USA) : the CZU Lightning Complex Clara Aubonnet	Will future conditions in Czech Republic be more suitable for large wildfire occurrence? Marketa Podebradska	Development of fire behaviour metrics computation based on UAV observation of prescribed burn Ronan Paugam
	SeverityApp: A VIS4Fire-Conceptual Tool to Access Potential Burn Severity Daniel Moya	Assessing the relationship between landscape interventions and wildfire risk in Northern European heathland ecosystems Monika Moreu Vicente	How are Herbaceous Plant Relationships Impacted by Prescribed Fire? Forrest Fay
	Development of an Empirical Model for 'Reduced' Physics Coupled Atmosphere Fire Simulators Fearghal Gill	Riskmap platform - a web based decision support tool for field operations Nina Dobrinkova	

Wednesday, April 17			
8:30-9:30	Keynote Presentation: Unexploded Ordnance UXO and Wildfire: a century old problem with a wakeup-call Alexander Held, Senior Expert Fire, Silviculture, Wildlife European Forest Institute		
9:30 - 10:00	Morning Tea with Exhibitors - Kerry suite		
	Lee Suite	Spencer Suite	Pembroke Suite
	Fuels and Fire Behaviour	Operations and Management/Fire Effects	Technology and Approaches
	Moderator:	Moderator:	Moderator: Eric Evenson
10:00 - 10:15	Modelling change in fire risk at WUI Eric Maillé	Extreme wildfire events during fire season 2023 in Greece Zisoula Ntasiou	Near real-time satellite detection of active fires in Sweden Stefan Andersson
10:15 - 10:30	Calculation and validation of new high resolution FirEUrisk fuel maps for Croatia Marin Bugarić	What Are We Overlooking With Wildfire Response: A Humanitarian Perspective Scott Dehnisch	Experiences with W.I.S.E. and FireCast in the 2023 Canadian Wildfire Season Robert Bryce
10:30 - 10:45	The Key Few - looking for a pattern of large forest fires in Poland Jan Kaczmarowski	Wild Pre-Pyrenees: Restoring an Alpine/Mediterranean mountain landscape David Martin Gallego	Leveraging online anti-bot technology to boost wildland fire detection and prediction Guy Schumann
10:45-11:00	Developing fine-scale fuel model classifications and wildfire risk maps in California Carol Rice	Evaluating the effect of prescribed fire experiment on litterfall biomass and nutrient return in Mediterranean pine forest ecosystems Juncal Espinosa	Satellite Observations for Fire Management and Prevention in Spain: Barriers, Successes and Opportunities Ana Prados
11:00 - 11:15	Q&A and Discussion	Q&A and Discussion	Q&A and Discussion
11:30 - 18:30	<p>Field Tour (lunch included)</p> <p>The bus will depart the hotel at 12:00pm and the first stop will be at Gleann Na Gealt, on the farm of Ms. Brigid O Connor.</p> <p>This stop should take approx 2 hours and participants will divide into groups of approx 10 and attend 5 dispersed stations with experts to discuss and interpret: Traditional Farming Practice in Western Ireland; Vegetation Identification - Main Fuel Species of Concern; Vegetation Folklore and Heritage; Vegetation management practice; Traditional fire use practice in Western Ireland</p> <p>Stop 2: The next stop is Glenteenassig forest park, managed by Coillte Teoranta, the Irish state Forestry Board.</p> <p>This stop will take 3 hours and will involve 5 workstations on the following topics</p> <p>Irish Forestry - Historical development and relationship with Fire risks; Fire Weather, Detection, and Analysis; Fire Suppression capabilities; Fire and Rescue Service; Coillte Fire teams and Equipment; National Park Service Fire Teams and Equipment; Live Fire Demonstration</p>		
19:00 - 19:30	Social reception - Lobby area		
19:30 - 23:30	Dinner - Lee suite		

Thursday, April 18			
Keynote Session			
9:00-10:00	Juliane Baumann, Founder of Brandherde and Jennifer Fawcett, Extension Associate, North Carolina State University (NCSU)		
10:00 - 10:30	Morning Tea with Exhibitors - Kerry suite		
	Lee Suite	Spencer Suite	Pembroke Suite
	Fuels and Fire Behaviour	Human Dimensions	Technology and Approaches
	Moderator:	Moderator: Eric Evenson	Moderator: Lindon Pronto
10:30 - 10:45	Characterising land cover – wildfire interactions and their implications for resilience Fiona Newman Thacker	The recovery of the industrial sector after 2017 extreme wildfires in Portugal: contributions to enhance resilience over time Fernando Correia	Intelligent Wildfire Surveillance and Management System Damir Krstinic
10:45 - 11:00	Building Tailored Components for a UK Fire Danger Rating System Claire Belcher	Wildfire risk management in Portugal: Local government perceptions on community challenges Ana Gonçalves	LadderFuelsR tool for ladder fuels and canopy base height detection using LiDAR Olga Viedma
11:00 - 11:15	Global Carbon Consumption Database for Wildland Fire Emily Gargulinski	Lessons learned from the Living With Fire program: examples of community engagement and science education Christina Restaino	Fire use in Northern Germany – a nearly extinguished success story Michael Herrmann
11:15 - 11:30	Effect of wind and slope upon wildfire behaviour: a new proposal to redefine the Byram’s convective number Dominique Morvan	How to Democratize Resiliency from Wildfire Carol L Rice	Lessons to Draw from Europe’s Record-breaking 2022 Fire Season – Where must Europe Invest? Lindon Pronto
11:30 - 11:45	Wildfire propagation potential estimation for Dalmatian Counties of Croatia Darko Stipanicev	Rural communities engaged: Co-Design with as a way to understand rural communities’ relationship and knowledge about their environment and bushfires Axel Munoz	Declaration on wildfire management in Spain David Martin
11:45 - 12:00	Integrating fire management and heritage protection to create fire-resilient landscapes Ana Solares Canal	REDFire: Reciprocity, Ecology, and Diversity in Fire Lab Amy Cardinal Christianson	
12:00-2:00	Synthesis/Discussion Steve Miller, Director, Fire and Aviation Management, Forest Service Eastern Region		
2:00	Conference Adjourns - spend the afternoon enjoying Tralee		
Friday, April 19			
	WORKSHOPS		

9:00 - 11:00	<p style="text-align: center;">Post-fire Assessment and Management Workshop</p> <p style="text-align: center;">Cara Sponaugle, National Post-Fire Program Leader, USDA Forest Service; Dave Callery, Deputy National Post-Fire Program Leader, USDA Forest Service; Scott Dehnisch, Wildfire Unit Leader, USAID's Bureau for Humanitarian Assistance (BHA); US Geological Survey (TBD)</p>	<p style="text-align: center;">Moorland fires – Still a challenge beyond technology</p> <p style="text-align: center;">Dr. Michael Herman</p>
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