

CONFERENCE PROGRAM

MONDAY 29th APRIL			
12:30-14:00	Conference Registration/Information desk Open		
	Salle 1	Salle 2	Salle 3
13:30-14:00	WELCOME COFFEE		
14:00-17:00	Workshop WUI	Workshop Wildfire Analyst (Technosylva)	
Free evening in Marseille			
TUESDAY 30th APRIL			
08:00-08:30	Conference Registration/Information desk Open		
	Salle 1	Salle 2	Salle 3
08:30-09:00	OPENING CEREMONY		
	<i>Marielle Jappiot (Irstea), Cathelijne Stoof (IAWF), Ville de Marseille</i>		
09:00-09:45	KEYNOTE 1 France-> Australia (Juli Pausas)		
09:50-10:35	KEYNOTE 2 Australia -> France (Anne Leaderbeater)		
10:45-11:15	COFFEE BREAK		
11:15-11:45	OPENING CEREMONY		
	<i>Chair: Marielle Jappiot/Eric Maillé</i> <i>Délégation à la Protection de la Forêt Méditerranéenne</i> <i>Métropole Aix-Marseille Provence</i> <i>Conseil Départemental des Bouches-du-Rhône</i> <i>Conseil Régional Région SUD</i> <i>MTES/DGPR bureau SRNH</i>		
11:50-12:30	SESSION 1: Fire risk modelling and mapping <i>Chair:</i> Briones-Herrera C.I.: Modeling and mapping forest fire frequency from aboveground carbon by region in Mexico Cabiddu S.: Evaluating the relationships between Haines Index and daily wildland fire activity in Sardinia, Italy	SESSION 2: Prevention, land and ecosystem preventive management <i>Chair:</i> Yoga S.: Plurifor: a transnational management of forest fire Bettinelli G.: Shrub-clearing legacy : the example of the Bouches-du-Rhône Département in France	SESSION 3: Human factors and issues <i>Chair:</i> Murat C.: New mathematical models to locate shelters Bianchi R.: Influence of building regulation and maintenance on house loss during bushfires
12:30-13:45	LUNCH		
13:45-15:25	SESSION 4 : Prevention, preventive land and ecosystem management <i>Chair:</i> Le Fur O.: Town planning requirements to limit forest fire risk exposure: The case of the Forest Fire Risk Prevention Plan in the city of Marseille, France Massaiu A.: Technical guidelines for the use of prescribed burning in self resistance Lahaye S.: Ongoing projects to manage fuels in enhancing rural economies Microtalks Rodriguez D.: Design of Network of Preventive Infrastructures against Wildfires in Granada province, Andalusia (Spain)	SESSION 5: Firefighting and crisis management <i>Chair:</i> Artes T.: Atmospheric Factors Analysis of Extreme Wildfire Events Pastor V.: Fire behavior in extreme weather conditions, analyse of three recurrent study cases Sibel E.: Forest fire related accidents in Turkey Monet J.P.: Estimation of the value of spared losses during wildfires fight: a worth for Fire services ; some study cases. Bordallo L.M.: A "specific" Drone for Night Time Aerial Wildfire Fighting: The NITROFIREX Project	SESSION 6: Fire behavior modelling and simulation <i>Chair:</i> Casula M.: Coupling a mass consistent model with regional scale weather forecast to improve wind downscaling for fire spread simulations Perrakis D.: Linking Dynamic Empirical Fire Spread Models: Introducing Canadian Conifer Pyrometrics Martin St Paul N.: Predictability of fuel moisture content under drought: empirical and biophysical approaches Ferriere S.: A small network model to predict wildland fire dynamics at laboratory scale Dobrinkova N.: The use of Wildfire Analyst in the Kresna Fire 2017 (Bulgaria)
15:30-16:00	COFFEE BREAK		
16:00-17:00	SESSION 7: Prevention, land and ecosystem preventive management <i>Chair:</i> Otero I.: Democratizing wildfire strategies. Scaling up a pilot method in the Montseny Biosphere Reserve (Spain) Milne G.: Evaluating the Effectiveness and the Economic Benefit of Fuel Management in the Wildland Urban Interface using Wildfire Simulation Binggeli F.: "Small fire" revolution in pine forests 150 years ago to protect the French massifs of Maures and Esterel against wildfire. The state of the art in 1869 of an exciting precursor of prescribed burning	SESSION 8: Data collection and management <i>Chair:</i> Marino E.: Effect of airborne LiDAR pulse density on crown fuel modelling Soma M.: Application of terrestrial LiDAR scanning (TLS) for the characterization of canopy fuel in forestry plot Jappiot M.: Burnt severity and satellite data: The TOSCA program	SESSION 9: Fire behavior modelling and simulation <i>Chair:</i> Pagnini G.: RandomFront - A Post-processing Routine for Including Fire-spotting in Regional-scale Wildfire Simulators: A Test Case with WRF-SFIRE Perminov V.: Mathematical modeling of the spread and transition of surface forest fire into a crown forest fire Cardil A.: A fire modelling approach through data assimilation to predict fire progression and assess fire exposure and impact. The Wildfire Analyst API implemented in the HEIMDALL EU Project
17:00-18:00	POSTER SESSION		
18:00	END OF SESSIONS		
20:00-22:30	CONFERENCE DINNER in Marseille		
WEDNESDAY 01st MAY			
08:00-18:30	Field Trip		
THURSDAY 02nd MAY			
08:30-09:00	Conference Registration		

	Salle 1	Salle 2	Salle 3
09:00-09:45	KEYNOTE 3: Chris Dicus		
09:45-11:05	SESSION 10: Firefighting and crisis management <i>Chair:</i> Pastor V.: How information and imaging technologies provide significant help in Fire behaviour analyse and decision building Monet J.P.: Extreme fires in Europe: proposal to harmonise command and control operations Lahaye S.: Towards new strategies face to dynamic fires Reymond B.: Update of the mapping of WUI sensitivity to forest fires in the French Mediterranean Region	SESSION 11: Prevention, land and ecosystem preventive management <i>Chair:</i> Touza J.: Spatio-temporal trends of wildfires at the WUI Ganteaume A.: Does large fire activity vary within the French Mediterranean area? Duane A.: Sustainable prescribed burning plans to offset climate change effects on fire regimes in a European Mediterranean region Mouillot F.: Role of climate and social troubles in the fire history of Tunisia (southern Mediterranean basin)	SESSION 12: Fire risk modelling and mapping <i>Chair:</i> Maillé E.: A formal static model of induced/subjected wildfire risk for WUI vulnerabilities and risk management Ruffault J.: Fire weather types in the Mediterranean basin Szczygiel R.: Forest fire risk evaluation in Poland Leonard J.: Global Wildfire Hazard Potential Mapping – ThinkHazard, World Bank
11:05-11:35	COFFEE BREAK		
11:35-12:55	SESSION 13: Human factors and issues <i>Chair:</i> Ribeiro L.M.: The impact of a large fire on communities: the case of Pedrógão Grande (Portugal) Chas-Amil M.L.: Socioeconomic vulnerability to wildfires: A case study in Galicia, NW Spain Mietkiewicz N.: In the line of fire: Consequences of human-ignited wildfires to homes in the U.S. (1992-2015) Binggeli F.: The big Inquiry on the forest fires of the French region of Maures and Esterel, visionary and always the current events 150 years later. 1868 - 2018	SESSION 14: Prevention, land and ecosystem preventive management <i>Chair:</i> Tricone F.: Results from Community Based Fire Effects Monitoring: Management Implications from a Case Study from Payne's Creek National Park, Belize Massaiu A.: Sylviculture guide for fire prevention in Corsica : treatments and forest itinerary on firefighting zones Correia F.J.: Wildfires in Natura2000 network in Portugal: problems and challenges for risk reduction	
12:55-14:00	LUNCH		
14:00-15:30	SESSION 15: Data collection and management <i>Chair:</i> Viedma O.: Environmental drivers of fire severity derived from multi-temporal LiDAR and Sentinel 2 images over a large forest fire in SE Spain Battiston S.: HEIMDALL: a Technological Solution for Wildfires and Multi-hazard Management Support Caspard M.: BURNOUT : Un outil d'extraction des surfaces brûlées pour la cartographie d'urgence Paugam R.: Computing High Resolution Fire Behavior Metrics from Prescribed Burn using Handheld Airborne Thermal Camera Observations Microtalks Macrelli S.: Analysis of fire environment and behavior for the WUI fire incident in Pula (Sardinia, Italy) on August 9th and 11th 2016	SESSION 16: Fire Modelling and simulation <i>Chair:</i> Rochoux M.: Front Data Assimilation and Sensitivity Analysis for Data-Driven Wildland Fire Spread Simulations Essaghi S.: Numerical Approach for Determining the Types of Forest Fuel Models Valero M.M.: Computing Wildfire Behaviour Metrics from CFD Simulation Data Mouillot F.: FRY: a global database of fire patch morphology Microtalks Awad C.: Quantitative study to identify the fuel properties that determine propagation success under conditions of nil slope and nil wind	SESSION 17: Fire risk modelling and mapping <i>Chair:</i> Fargeon H.: Assessing the increase in wildfire occurrence with climate change in Southern France Barbero R.: Global trends to extreme fire activity and their relation to the climate forcing Casula F.: Wildfires in wildland-urban interfaces: recent dynamics in Sardinia, Italy Gellie N.: A universal parametric approach to evaluating fire weather exposure risk to severe-extreme wildfires Microtalks Busquets O.E.: Regional level data server for fire hazard evaluation and fuel treatments planning
15:30-16:00	COFFEE BREAK		
16:00-16:45	KEYNOTE 4 France -> USA (Fantina Tedim)		
16:45-17:30	KEYNOTE 5 USA -> France (Gwen Sanchez)		
17:30	END OF SESSIONS		
	Free evening in Marseille		
FRIDAY 03rd MAY			
09:00-09:30	Conference Registration		
	Salle 1	Salle 2	Salle 3
09:30-10:15	KEYNOTE 6 : David Bowman		
10:15-11:15	SESSION 18: Fire behavior modelling and simulation <i>Chair:</i> Silva J.: Fire hazard and plant invasions ? the cases of Hakea sericea and Acacia dealbata in Portugal Fernandes P.: Fire behaviour experiments in blue gum (Eucalyptus globulus) plantations in Portugal Nogueira J.: How the fire management influences the fire behavior in the protected areas from Brazilian savannas?	SESSION 19: Fuels <i>Chair:</i> Santin C.: Savanna fires as C sinks? Fuel consumption and pyrogenic carbon production in Kruger National Park Ormeño-Lafuente E.: Mediterranean vegetation under intensified drought: consequences on litter flammability through chemical changes Walker-Ravena C.: The Influence of Structure on the Flammability of Wildland Fuels under Radiative Heating	Workshop Writing and publishing a paper (Stefan H. Doerr)
11:15-11:45	COFFEE BREAK		
11:45-12:25	SESSION 20: Fire behavior modelling and simulation <i>Chair:</i> Cardil A.: Wildfire Analyst Pocket: a mobile App for predicting fire behaviour and spread Almeida M.: Industrial facilities affected by the set of wildfires that occurred in Portugal on the 15th of October, 2017 ? analysis of the conditions under which the fire reached the	SESSION 21: Fire risk modelling and mapping <i>Chair:</i> Pimont F.: Evaluating the influence of Live Fuel Moisture Content on Fire Behavior and Fire Activity Cantero A.A.: Lidar and fire simulators to enhance preparedness to forest hazards	Workshop Writing and publishing a paper (Stefan H. Doerr)

12:30-14:00	LUNCH		
14:00-15:00	SESSION 22: Fire Modelling and simulation <i>Chair:</i> Cardil A.: Assessing the spatial difficulty of wildfire containment in the initial attack Arca B.: An automatic modeling chain for the real-time prediction of wildfire spread Frangieh N.: 3D Fire front's dynamics of quasi-inifinite grassland fires	SESSION 23: Fuels <i>Chair:</i> Santoni P.A.: Flammability of shrubs Hamamousse N.: Fuel drying methods comparison and their effect on ignition and combustion properties of pinus halepensis Guijarro M: Flammability of regenerated vegetation after two post-fire soil stabilization treatments in NW Spain	
15:00-15:30	CLOSING CEREMONY		
	<i>Eric Martin, Irstea</i> <i>Joël Guiot, Labex OT-Med</i>		
15:30	END OF CONFERENCE		

