



**1st International Congress on Fire
in the Earth System: Humans and Nature
Valencia, November 3-7, 2021**

Valencia Time / GMT+2
Only presenting author shown here.

		Wednesday November 3, 2021	Thursday November 4, 2021
9:00-10:00	9:00	Opening by the Organizers	Opening by the Organizers
	9:05		
	9:10		
	9:15	Forest fires today. A scientific and societal challenge (Cerdà & Rodrigo Comino)	Fire effects on soil biota (Giulia)
	9:20	ID74: Keesstra, SDGs and Wildfires: the role of soils in Sustainable fire management	ID77: Vega Martínez, Alteration of soil properties by high intensity controlled burning in southern Spain
10:00-11:00	9:25	ID65: Núñez, DISRUPTED LANDSCAPES: The representation of Mediterranean Wildfires	ID97: Rojas, Soil prokaryote community structure and C and N related biological conditions following fires in Mediterranean native
	9:30	ID60: Skulska, Acacias Control: a tool to reduce wildfires risk in unmanaged forestlands	ID103: Hinojosa, Fire history modulate soil biogeochemistry and microbial community in Pinus pinaster forests of central Spain
	9:35		
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11:00-12:00	9:50	ID114: Gonzalez Martinez, Recovering shrub biomass involved in wildland fires in the South of Europe through torrefaction mobile	ID138: Strydom, Vegetation cover and physiognomy effects on C and N in frequently burnt and unburnt soils in an African savann
	9:55	ID90: Yadav, Politics of Pixels: Role of Satellite Remote Sensing in Shaping and Sustaining Fire Suppression Policy in India	Post-fire restoration management: Effects on soil, vegetation and geomorphology (Zema et al.)
	10:00	ID132: Schirru, Fire geographies in Sardinian landscapes: a place-name based approach.	ID62: Moreno-Roso, Micromorphological changes in soil affected by a prescribed burn: the Sierra de Manantlán case, Jalisco,
	10:05	ID116: Rodrigo-Comino, Evaluation of soil profiles to understand resilience in natural and anthropogenic environments after differ	ID68: Moura Batista dos Santos, Analysis of vegetation regeneration after a wildfire in Portugal using the Google Earth Engine (GEE)
	10:10		ID70: Parente, Long-term erosion and the impact of wildfires: two different approaches.
12:00-13:00	10:15		
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	11:00	Coffee break	Coffee break
14:00-15:00	11:05		
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	11:20	ID147: Souza-Alonso, Service-Learning projects to educate young generations in fighting wildfires	ID128: Zema, Prescribed fire and soil mulching with fern in Mediterranean forests: Effects on surface runoff and erosion
	11:25	Fire and soil organic matter: relationships, impacts and novel methodologies (Jiménez-Morillo et al.)	ID76: Delač, Spatial-temporal variability of vegetation regrowth and topsoil elements after prescribed fire in the pre-mountain area
15:00-16:00	11:30	ID41: Brook, UAS-bared near infrared imagery as a new fire severity metric	ID92: De Girolamo, MODELLING FOREST FIRE AND POST-FIRE MITIGATION MEASURES: Impacts on sediment yield
	11:35		
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16:00-17:00	11:55	ID104: Gimeno-García, Wildfire effects on different soil organic carbon pools in Mediterranean pine forests	ID98: Antelo, TERRAMATER project: A tool for post-fire rehabilitation and restoration of soils
	12:00	ID105: Cui, Laboratory Study of Smouldering Peat with Samples from Peatlands in Flow Country, Scotland	ID129: Zema, Short-term hydrological response of soil after wildfire in a semi-arid landscape covered by Macrochloa tenacissima
	12:05	ID126: Bravo, Fire legacy on dissolved organic matter (DOM) and soil properties along a fire severity gradient in two Eucalyptus e	ID137: Valkó, Evaluating the potential of prescribed burning for the biodiversity conservation of European grasslands
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17:00-18:00	12:20	KEYNOTE: JULI G. PAUSAS	KEYNOTE: MARC CASTELLNOU
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	13:05	Lunch Break	Lunch Break
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	13:30	Climate-fire links (Turco, Jerez, Marcos-Matamoros & Jiménez)	Fires at the Wildland-Urban-Interface (Pastor & Nieves)
20:00-21:00	13:35	ID83: Vissio, Predicting the extension of the area burnt by forest fires in Italy by means of drought indicators	ID91: Suzuki, Investigating Conifer Tree Flame Spread Under an Applied Wind Field
	13:40	ID101: Gincheva, Climate Drivers of Fire Activity: a Global Assessment	ID47: Pastor, Integrated Wildland-Urban Interface Fire Management: the case study of Riba-Roja de Tàrragona and Paterna municipalities
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21:00-22:00	14:00	ID141: Canadell, Multi-decadal increase of forest burned area in Australia linked to climate change	ID54: Ojeda, Evaluation and prognosis of resilient landscapes to wildfires. The urban-rural interfaces of the Metropolitan Area of C
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	14:20	Fire Behavior Modelling and Simulations (Grillakis, Ford, Kasoar & Boustras)	ID56: Muñoz, A full-scale method to classify flammability of wildland-urban interface vegetation
22:00-23:00	14:25	ID55: Sequeira, Decision Support System for Effective Fuel Management	ID57: Vacca, Performance-Based Design methodology for the evaluation of WUI microscale fire hazards
	14:30	ID73: Ugenti, Characterizing the lifetime phases of wildland fires from the Sioux Lookout District in Ontario, Canada by utilizing r	ID63: Tiller, Thermogravimetric and Differential Thermal Analysis of Sea Buckthorn from The Netherlands Compared to Common
	14:35	ID86: Egorova, Fire-spotting generated fires: macro- and meso-scales effects	ID72: Dossi, Building Damage at the Wildland-Urban Interface: Case Studies California, USA and Pedregal Grande, Portugal
	14:40	ID85: Kasymov, Semi-natural studies of a wildfire impact on air transport processes	
	14:45	ID84: Prieto Herráez, PhyFire, an online wildfire simulation tool	
23:00-24:00	14:45		
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24:00-25:00	15:10	ID87: Pagnini, When the unpredictable comes: An approach for foreseeing the transition to chaos in wildfire propagation	ID80: Vinué Visús, Assessment of the vulnerability of the wildland-urban interface (WUI) in the Valencian Region as a basis for th
	15:15	ID95: Kolaitis, Temporal evolution of a wildland flame envelope: An experimental study on litter fires	ID88: Seijo, HISTORICAL HUMAN SYSTEM DRIVERS OF WILDLAND URBAN INTERFACE FIRE RISK IN SPAIN: A COUPLED SYSTEM
	15:20	ID120: Purnomo, A GIS-based cellular automata model to simulate field-scale flaming and smouldering wildfires on peatlands	ID140: Ramos, Case study on a performance-based approach to wildland-urban interface (WUI) fires
	15:25	ID40: Fernandes, High-resolution smoke emissions from the 2017 extreme wildfires in Portugal	Wildfires and Civil Protection (Bento-Gonçalves & Vieira)
	15:30		ID61: Skulska, How to Strengthen the Capabilities of Portuguese Civil Protection. Preliminary results of the RECIPE project study
25:00-26:00	15:35		
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26:00-27:00	16:00	ID134: Doerr, The importance of savanna fires in the global carbon cycle: beyond direct emissions	ID110: Almer, Remote Sensing Solutions for an Efficient Support of Forest Fire Management Phases
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27:00-28:00	16:25	Artificial Intelligence (AI) and Machine Learning (ML) for wildfires (Moulay & Fadoua)	Fire on the screen: media, cinema and video-storytelling (Castelló)
	16:30	ID58: Akhloufi, Predicting wildland fire propagation using deep learning	ID64: Dolores, "Firestors", beyond the attraction for devastation: Context, scientific information and emotion to shape a compelling n
	16:35	ID59: Akhloufi, Wildfires detection and segmentation using deep Convolutional Neural Networks and Transformers	ID78: Castelló, Improving Wildfire TV Coverage: Lessons from a Spanish summer (2021)
	16:40	ID71: Pereira-Obaya, Change Detection Analysis Using Sentinel 2 Multi-Temporal Satellite Imagery and its Integration for Fuel Ma	ID107: Montagut, Disinformation Analysis on Wildfires Through Fact-Checking Verification in Spain
	16:45	ID79: Vinué-Visús, ETHON: unmanned aircraft for forest fire management	ID122: Seijo, Takes two to tango: Making sense of the California 2020 wildfire season Trump-Newsom political blame game
28:00-29:00	16:50	ID82: Phelps, Evaluating and comparing statistical and machine learning methods for fire occurrence prediction	ID108: Castelló, Round table with filmmakers and media professionals: Lucy Walker, Patrick Ryan, Josh Edelson & Eduard Plana
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