

Organizers:



With the support of:



Asociación Española de Sociedades de Protección Contra Incendios



## Forum on Catalan Wildfire Research Tue, 6<sup>th</sup> Nov 2018

Location: Sala d'Actes de la EEBE - UPC. c/ Eduard Maristany 10-14. 08019 Barcelona

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09:00 – 09.10 Welcome - E. Pastor (Universitat Politècnica de Catalunya), N. Prat (Pau Costa Foundation)

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09:10 – 10.10 **Global wildfire challenges.** Identification of global (and Catalan) challenges on wildfires, present and future  
**Chairman - S. Lahaye** (Pau Costa Foundation)

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1. Wildfires in Catalunya (M. Castellnou - Catalan Fire and Rescue Service)
  2. Chile Fires 2017 (D. Bowman - University of Tasmania)
  3. Greece Fires 2018 (D. Caballero - Medi XXI SGA)
  4. Central and Northern Europe Fires 2018 (S. Walton - Lancashire Fire & Rescue Service)
  5. North American Fires 2017-2018 (R. Parsons - USDA Forest Service)
  6. Wrap up (S. Lahaye - Pau Costa Foundation): main challenges identified (fire ecology, fire behaviour, safety, communication, risk awareness...)
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10:10– 11.10 **Fire prevention and preparedness.** Challenges, opportunities and research solutions  
**Chairman - J. Vendrell** (Pau Costa Foundation)

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1. J. Furlaud (University of Tasmania). Fire in Tasmania: Studying one of the world's most pressing problems in its most unique natural laboratory
2. X. Úbeda (Universitat de Barcelona). Fire, forest management and soil effects
3. A. Badia (Universitat Autònoma de Barcelona). LIDAR technology: a municipality tool to manage forest fire vulnerability in the wildland urban interface
4. M. Miralles (Catalan Fire Service). Definition of strategic management locations in Catalan massifs
5. G. Gamboa (Universitat Autònoma de Barcelona). Democratizing wildfire strategies. Do you realize what it means? Insights from a participatory process in the Montseny region (Catalonia, Spain)

(continues)

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11.10– 11.30 Coffee break

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11:30 – 13:00 **Fire prevention and preparedness.** Challenges, opportunities and research solutions  
**Chairman – M. Valero** (Universitat Politècnica de Catalunya)

(continuation)

1. R. Parsons (USDA Forest Service). Development of an integrated 3D fuel and fire modeling platform to inform management decisions
2. P. Moran (Universitat Politècnica de Catalunya). Designing change: Collserola wildfire landscapes
3. I. Porrás (Meteosim). Utilising available data for wildfire related services
4. M. Pipió (Diputació de Girona). Experience in the province of Girona on fire prevention in the wildland–urban interface
5. E. Plana (Forest Sciences and Technology Center of Catalonia). Dealing with governance, strategic planning and social dimension of wildfire risk management
6. F. Alcasena (Universitat de Lleida). Cross-scale wildfire risk management in Mediterranean landscapes

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Round table: discussion on how to give response to current and future challenges

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13.00 –  
14.00 Lunch break

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14:00–  
15: 30 **Fire response.** Challenges, opportunities and research solutions  
**Chairman – M. Miralles** (Catalan Fire and Rescue Service)

1. C. Gallardo (Catalan Fire and Rescue Service). New approach to Wildfire Urban Interface planning
2. M. Valero (Universitat Politècnica de Catalunya). Towards real time wildfire monitoring: matching research with operational needs
3. A. Cortés (Universitat Autònoma de Barcelona). Multi-model multi-scale, a coupled system for forest fire spread prediction
4. M. Aldea & V. Ferrer (Hospital Clinic & Catalan Fire and Rescue Service). FUMS-Project
5. J. Oliveres (Catalan Fire and Rescue Service). Scaling laws in fire empirical data: characterising the singularity of Pyrenees region
6. E. Castelló and M. Montagut (Universitat Rovira i Virgili). Media frame impact on people's understandings of wildfires. A survey on responsibility switching after newspapers and TV exposure

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Round table: discussion on how to give response to current and future challenges

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15.30 – 17:00 **Fire impacts and lessons learnt. Challenges, opportunities and research solutions**  
**Chairman – I. Oliveras** (University of Oxford)

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1. C. Stevens-Rumann (Colorado State University). Are forests regenerating after wildfires?
  2. P. Pons (Universitat de Girona). Towards ecosystem-friendly practices of salvage logging in Mediterranean burned forests
  3. I. Oliveras (University of Oxford). Pitfalls in tropical fire ecology
  4. F. Dalmau and D. Caballero (Medi XXI GSA). WUI Protect project - WUI defence against wildfires
  5. A. Duane & L. Brotons (Forest Sciences and Technology Center of Catalonia- CREAM). Global change and fire regimes in Mediterranean ecosystems
  6. P. Navascués (Diputació de Barcelona). The role of municipalities and local government in the forest fire prevention
  7. E. Pastor (Universitat Politècnica de Catalunya). Wildland Urban Interface Fires: Fire impact assessment using CFD tools
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Round table: discussion on how to give response to current and future challenges

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17.00–  
17.20 Coffee break and Industry flash talks

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17.20–  
18.30 **Round table (open participation) – Research/Practitioner networking initiatives and future steps**  
**Chairman – E. Plana** (Forest Sciences and Technology Center of Catalonia)

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1. S. Lahaye (Pau Costa Foundation). Towards a more practitioners-oriented research, Australian examples and FIRE-IN
  2. N. Prat (Pau Costa Foundation). PCF engagement in research
  3. R. Parsons (USDA Forest Service). US initiatives
  4. E. Plana (Forest Sciences and Technology Center of Catalonia). AL INFO initiative
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