

Resilient landscapes to face catastrophic forest fires: global insights towards a new paradigm

Socioeconomic perspectives and world experiences to
manage and mitigate forest fire risks

14-15 October 2019

Instituto de Ingeniería de España
c/ General Arrando 38, Madrid, Spain

This international conference addresses a new holistic paradigm for managing forest fire risk based on the creation of *resilient landscapes* that more effectively integrate the social and economic conditions of the landscape in fire prevention approaches. In this vein, the conference will analyse experiences and cases from five continents, identifying lessons learned and knowledge gaps, and discussing the way forward. The conference will directly address the following questions:

1. What are the components of a forest fire resilient landscape?
2. What political and technical actions are needed to create resilient landscapes?
3. How and by how much can public agencies reduce their increasing expenditure on suppression?
4. How can we effectively address the socioeconomic factors that accelerate and exacerbate the risk of catastrophic forest fires?
5. What opportunities are there to incentivise private owners and land managers to develop collaborative fire risk mitigation strategies?



With the support of:



Day one: Monday, 14 October 2019

8.30 – 9.25 Registration

I. OPENING

Moderator: Marc Palahí, Director of the European Forest Institute

9.25 – 9.30 Welcome words

Esther Esteban Rodrigo

Director of the National Institute for Agricultural and Food Research and Technology (INIA), Spain

9.30 – 9.50 Opening address

Isabel Bombal Díaz

Director General of Rural Development, Innovation and Forest Policy, Spanish Ministry of Agriculture, Fisheries and Food

9.50 – 10.40 Visions for a resilient and sustainable Europe: the role of rural areas and the bioeconomy

A dialogue between **Felipe González**, Former Prime Minister of Spain, and **Esko Aho**, Former Prime Minister of Finland

10.40 – 11.00 Coffee break

II. EXPERIENCES FROM AROUND THE WORLD

This session provides a global panorama of fire risk reduction approaches at the landscape or territorial scale. Presentations identify social and economic aspects that play a decisive role in the prevention of catastrophic fires, and highlight the social and economic viability of *resilient territories*.

Moderator: Eduardo Rojas Briales, Dean and President of the *Colegio Oficial de Ingenieros de Montes*

11.00 – 12.00 Keynote speech. A global overview of forest fire trends: a practitioner's perspective

Peter F. Moore

FAO, Rome, Italy

12.00 – 13.00 Keynote speech. Societal expectations, wildfire management organisational culture, and public land values in the United States: the role of risk management in addressing a wicked problem

Dave E. Calkin

Rocky Mountain Research Station, Montana, USA

13.00 – 14.20 Lunch



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14.20 – 14.50 Cost efficiency of fire risk mitigating actions: Mediterranean context under global changes

Francisco Rodríguez y Silva

University of Córdoba, Spain

14.50 – 15.20 Fires in Indonesia: Current policies and some priorities for research

Luca Tacconi

Australian National University, Canberra, Australia

15.20 – 15.50 Discussion

15.50 – 16.15 Coffee break

16.15 – 16.45 Developing wildfire management strategies in Catalonia

Cristina Vega-García

University of Lleida, Spain

16.45 – 17.15 What can we learn about forest fire prevention from community work in South Africa?

Val Charlton

LANDWORKS, South Africa

17.15 – 17.45 Discussion

Conclusion of the day's events

José Manuel Jaquotot

Deputy Director General of Forest Policy, Ministry of Agriculture, Fisheries and Food, Spain

Carmen Hernando Lara

Director of CIFOR-INIA, Spain

18.00 – 20.00 Cocktails and appetisers



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Day two: Tuesday, 15 October 2019

III. FIRE-PREVENTING ACTION: MEDITERRANEAN PROGRAMMES

This session will discuss four practical cases of how governments and other landscape-level stakeholders explore the socio-economic dimensions of fire prevention with the aim of identifying tools and opportunities that could improve landscape management efforts.

9.00 – 10.50 **Four case presentations**

Moderator: Mercedes Guijarro, Researcher at the National Institute for Agricultural and Food Research and Technology (INIA), Spain

Ana Morgado

Forest fire prevention through the promotion of strategic forest management in Barcelona: Intervention in the urban interface
Barcelona Provincial Council, Spain

Rosário Alves

Private forest owners in Portugal: Mitigation actions within fragmented landscapes
FORESTIS, Portugal

Elena Hernández Paredes

Integrated Forest Fire Prevention Teams (EPRIF) and inter-institutional collaboration for fire prevention in Spain
Technical Officer at the Area of Forest Fire Defense of the Directorate-General for Rural Development, Innovation and Forestry Policy, Ministry of Agriculture, Fisheries and Food, Spain

Javier Ezquerro

Resilient landscapes in Castilla y León: Lessons from Plan 42
Junta de Castilla y León, Spain

10.50 – 11.00 **Fires and the European Forest Risk Facility**

Inazio Martinez de Arano

European Forest Institute Mediterranean Facility, Spain

11.00 – 11.30 **Coffee & refreshments**

IV. EMERGING LESSONS: SCIENCE, PRACTICE & FIRE PREVENTION

This session brings together analytical and operational considerations in a multifaceted panel discussion to reflect on how to integrate prevention and suppression at the landscape scale, how to activate community participation in the co-construction of fire resilient landscapes and on the level of fire risk reduction that we can realistically expect with these efforts.



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11.30 – 13.30 Panel discussion: Each panellist will make a brief initial presentation of up to ten minutes, followed by a moderate discussion and an open debate.

Moderator: Inazio Martinez de Arano, Head of the European Forest Institute Mediterranean Facility

Panellists:

Marc Castellnou

Head of GRAF, Firefighters of Catalonia, Spain

Dave E. Calkin

Rocky Mountain Research Station, Montana, USA

Cathelijne Stoof

Coordinator, Wageningen Fire Centre, The Netherlands

Marta Corella

Mayor of Orea, Spain

13.30 – 14.30 Open debate and closing thoughts

Open plenary discussion, followed by concluding remarks on the workshop's contributions and steps forward.

14.30 – 15.30 Lunch

V. TECHNICAL VISIT Group 1: FIRE OPERATIVES AT THE MINISTRY

15.30 Transportation to Firefighting Operations Centre (CCINF) at the Ministry of Agriculture, Fisheries and Food

16.00 – 17.30 Informal discussion with firefighters and technicians from the Operations Centre and tour of facilities

TECHNICAL VISIT Group 2: FOREST FIRE LABORATORY AT INIA

15.30 Transportation to Forest Fire Laboratory at the National Institute for Agricultural and Food Research and Technology (INIA)

16.00 – 17.30 Informal discussion with researchers about hands-on scientific approaches to integrated fire management and tour of the laboratory

17.30 Transportation to hotel



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