



## Welcome to the first edition of the FIRE-RES newsletter!

Would you like to know more about strategies for **integrated fire management**? Then the FIRE-RES project may be interesting to you!

Funded under the European H2020 research and innovation programme, FIRE-RES project aims to enhance the transition of the European Union towards a fire-resilient continent.

In this first edition of the FIRE-RES newsletter, you can learn more about the project, read about the Kick-off meeting, and get familiar with FIRE-RES Living Labs...Plus much more!

To follow the work in FIRE-RES sign up for this [newsletter](#) or follow us on [Twitter](#), [Facebook](#), [LinkedIn](#), or [ResearchGate](#).

Enjoy and please share the newsletter with relevant people in your network!

## What is FIRE-RES?

Extreme Wildfire Events exceeding control capacity are becoming a major environmental, economic and social threat across the world. With **34 innovation actions** and **11 Living Labs**, the FIRE-RES project aims to implement an **Integrated Fire Management approach** and support the transition towards more resilient landscapes and communities in the face of Extreme Wildfire Events in Europe.

Learn more about FIRE-RES, its objectives and Work Packages at <https://fire-res.eu/>.

## Living Labs



Living Labs are **open innovation ecosystems** that can foster collaboration among the public sector, scientific communities, private companies and citizen associations. FIRE-RES will test, deploy and implement **11 Living Labs** in collaboration with local and regional actors. [Here](#) you can find out more on the Living Labs.



The Living Lab in Galicia will be in the **Forest District XII Miño-Arnoia (Ourense)**. Its main scope is to create a **safe model village**: a village where civilians are able to protect themselves in the event of a rural interface fire until the emergency services arrive. [Here](#) you can find out about the fire management in Galicia and the challenges this territory faces in terms of fire management.



The Living Lab in Catalonia is located in a territory covered by **60% of forests**. This factor, together with fire-prone weather conditions governing its summers, makes Catalonia an **extremely vulnerable region** to wildfires. [Here](#) you can find out about the fire management in Catalonia and the challenges this territory faces in terms of fire management.

## Project news



### FIRE-RES kicked off in Solsona, Spain

The [FIRE-RES](#) kick-off meeting took place in Solsona, Spain in mid January 2020. The scope of the meeting was to officially set up the activities of the project. Key interventions from the FIRE-RES partners, external experts and a visit to burnt areas in Catalonia fed three days of intensive and inspiring work.



### Understanding the interaction between clouds and fire

In 2017, an extreme fire season affected Portugal. To understand the circumstances under which these extreme fire events occurred, the French National Centre for Scientific Research (CNRS), FIRE-RES partner, [created a simulation](#) to investigate whether and how extreme wildfires may be associated with strong convective processes due to the heat and moisture released from the fires. You can [read more](#) on the FIRE-RES website.



### The IPCC alerts on forest fires' impacts!

The [new IPCC report](#) stresses the urgent need to increase the strategies to adapt to extreme wildfire events. For this reason, it is necessary to develop solutions to reduce the impact and maximise the benefit of forest fires on ecosystems. You can [read more](#) on the FIRE-RES website.

## Meet FIRE-RES Sister Projects



FIRE-RES does not operate alone in the field of forest fires. It is necessary to collaborate with other projects to maximise results and face challenges!

This is why FIRE-RES is engaged in a group of sister projects (Firelogue, SILVANUS, DRYADS, and firEurisk).

Firelogue is the umbrella project in charge of supporting and coordinating knowledge consolidation from the wildfire risk-related Green Deal Innovation Actions and the wider community.

In future newsletters, you will find more information from the sister projects. In the meantime, you can find more details about Firelogue [here](#).

## Publications

- [FIRE-RES brochure](#): find out in a nutshell what does FIRE-RES aims, does, and how it will deliver its results
- [FIRE-RES Press release](#): find out more to our integrated approach to extreme wildfires in Europe
- Bot, K., and Borges, J.G. 2022. "A Systematic Review of Applications of Machine Learning Techniques for Wildfire Management Decision Support" *Inventions* 7, no. 1: 15.

## Events

Do not forget to check the [event section](#) on FIRE-RES web-page!

27 June -1 July 2022

[TERRAenVISION - Nature Based SOLUTIONs to facilitate the transition for living within the planetary boundaries](#)

Utrecht, The Netherlands

24-28 July 2022

[19th Symposium on Systems Analysis in Forest Resources](#)

Estes Park, Colorado, United States

14-16 September 2022

[19th INTERNATIONAL CONFERENCE ON CONTENT-BASED MULTIMEDIA INDEXING](#)

Graz, Austria

4-7 October 2022

[Fire ecology across boundaries: Connecting science and management](#)

Florence, Italy

4-7 October

[44th Council on forest engineering and 54th International Symposium on Forestry Mechanization](#)

Corvallis, Oregon, United States

11-18 November 2022

[IX INTERNATIONAL CONFERENCE ON FOREST FIRE RESEARCH & 17th International Wildland Fire Safety Summit](#)

Coimbra, Spain

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