

## How FIRE-RES works in practice

FIRE-RES has four main objectives:

1. To set the definition of **Extreme Wildfire Events** and use it as the main axis to address the challenge ahead
2. To **develop**, demonstrate and deploy **innovations** at the technological, social, health/safety, administrative, ecological, and economic levels
3. To integrate and **upscale** results from the niche-level innovations implemented locally across Europe and beyond
4. To raise **societal awareness** about Extreme Wildfires and transfer enabling knowledge to stakeholders

To summarise, the project's methodology revolves around the concepts of innovation and upscaling.

Innovation actions are elaborated by the consortium after having jointly assessed current and upcoming challenges connected with Extreme Wildfires across Europe. This is done through massive data collection and processing that relies on multiple sources and technologies (satellite data, LiDAR, firefighters' monitoring equipment, etc.) and by thoroughly reviewing the already existing knowledge on the topic.

Such activities are then adapted and tested across different contexts and territories – what we call the Living Labs. These involve local communities and institutions and allow for the collection of further data and information on how such innovations can positively impact the management of Extreme Wildfires in different territories.

In the following phase, such actions are elaborated and upscaled to become a governance tool at multiple levels, coming up with solutions and practices that can successfully enhance Extreme Wildfires management according to specific territorial, environmental and socioeconomic contexts.

A particular effort is dedicated to strengthening the awareness and preparedness of communities not only at a government level. Awareness campaigns are deployed in different current and future fire-prone regions across the continent, with a special focus on training local journalists on how to effectively inform their community about Extreme Wildfires management.

Here follows the list of topics on which FIRE-RES innovation actions are focused:

- Ecosystem Conservation and Landscape design
- Emergency, Risk Mapping, and Sustainable Fire Management Models
- Economic drivers, Incentives, and Insurance Solutions
- Governance, Society, Communication, and Risk Awareness
- Advanced Technology Solutions Support Tools for Integrated Fire Management



FIRE-RES aims at elaborating an integrated approach that relies both on new data and on available knowledge, putting together organisations and people with different backgrounds to trigger new behaviours and practices that can be helpful both in the near future and for a long-term strategic scenario.

