



EWED

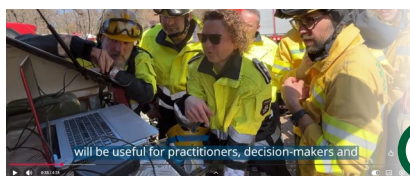
Extreme Wildfire Events Data hub for improved decision-making

Project coordinator | Pau Costa Foundation

Duration | January 2024 – December 2025

Goal

Generate new knowledge and understanding of extreme fire behaviour, and enhance the capacity to manage Extreme Wildfire Events (EWEs).



EWED recap



Funded by the European Union

Funding programme

Union Civil Protection Mechanism (UCPM-2023-KAPP-PREP)

Project number: 101140363 Contribution (€): 833.218,40 €

Outputs



Wildfire Data Portal

An open-access platform providing surface fire behaviour and atmospheric data from wildfires and prescribed burns in European and Latin American countries, alongside models, simulations, and educational videos to help understand and anticipate extreme fire behaviour.



Guidelines for EWEs

Standardised protocols for collecting data, generating 3D wildfire simulations, studying and predicting EWE dynamics, and planning strategic responses.



Training and capacity building

In-person and online workshops focused on fire-atmosphere interactions, using the WDP data, and strategic planning to reduce uncertainty in managing extreme wildfires.



Scientific publications

Advancing knowledge on extreme wildfire behaviour, fire-atmosphere interactions, and modelling approaches.

Impact



Improvement of the prediction of fire behaviour, key for EWEs.



Enhanced collaboration between academia and fire services.



Strengthened and science-based operational decision-making.



Safer and more effective preparedness and response.

Partners

