# EWED
### Extreme Wildfire Events Data hub for improved decision-making

## PROJECT OUTPUTS
### For wildfire practitioners and researchers

## WDP
**Wildfire Data Portal**

wildfiredataportal.eu

### A novel open-access tool with:

- Meteorological and fire **data collected** during wildfires and prescribed burns across the world.

- **Models and simulations** to understand and anticipate extreme fire behaviour.

- **Engaging video clips** explaining key scientific concepts.
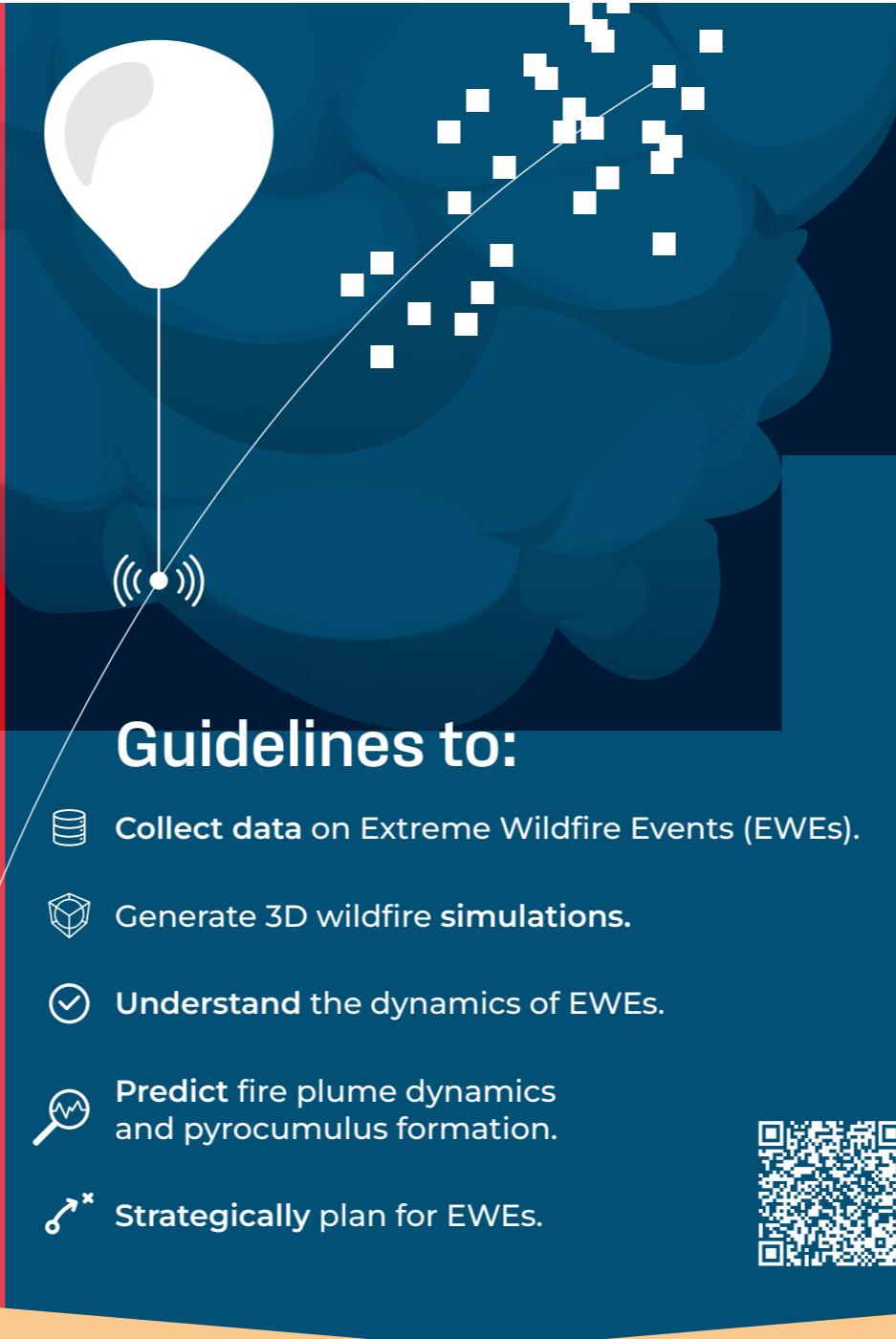
## Guidelines to:

- **Collect data** on Extreme Wildfire Events (EWEs).

- Generate 3D wildfire **simulations.**

- **Understand** the dynamics of EWEs.

- **Predict** fire plume dynamics and pyrocumulus formation.

- **Strategically** plan for EWEs.
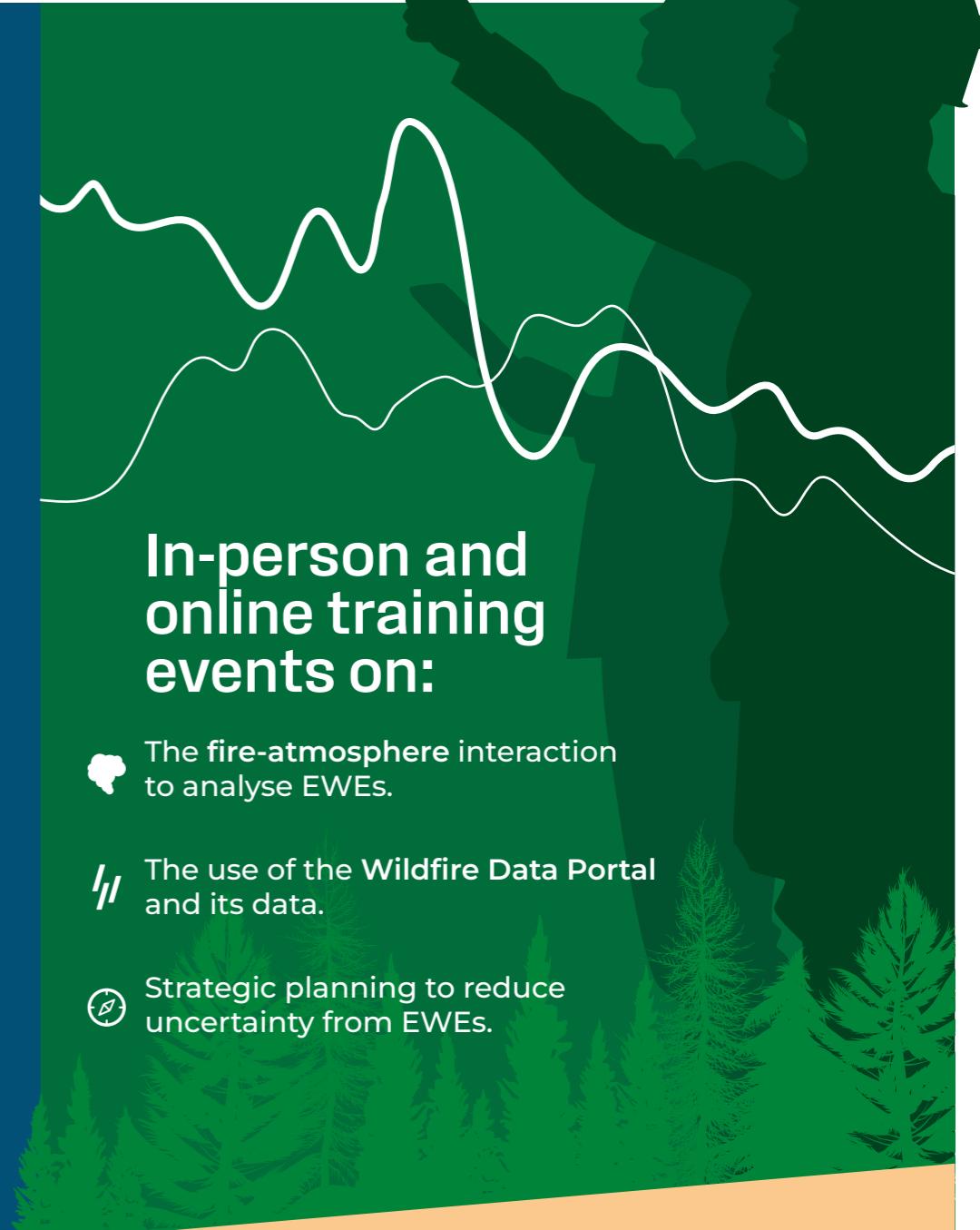
### In-person and online training events on:

- The **fire-atmosphere** interaction to analyse EWEs.

- The use of the **Wildfire Data Portal** and its data.

- Strategic planning to reduce uncertainty from EWEs.

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