







Past forest fire events analysis

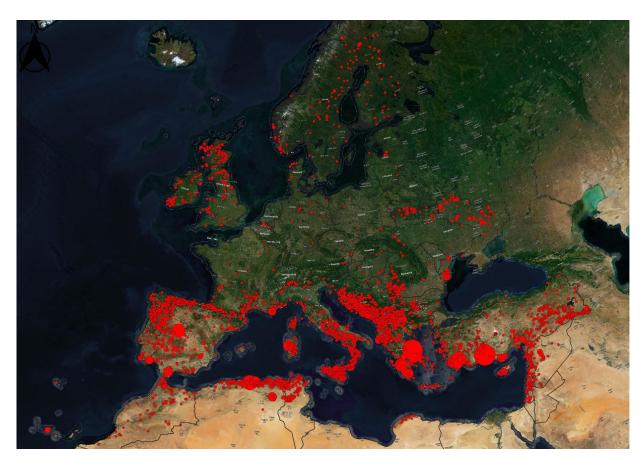
Lessons learned

European Civil Protection Forum

Shaping a Disaster-Resilient Union 4-5 June 2024



2021 and 2022 EU Fires Report







Report on the large wildfires of 2022 in Europe

European Civil Protection Forum

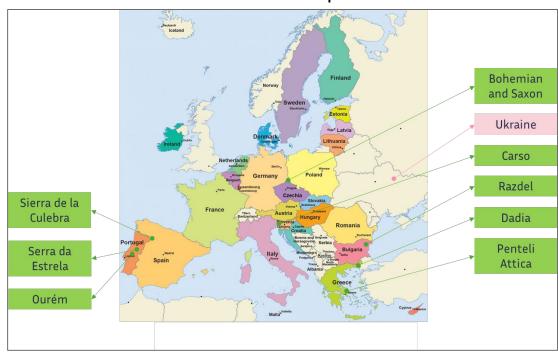
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2021 and 2022 EU Fires Report

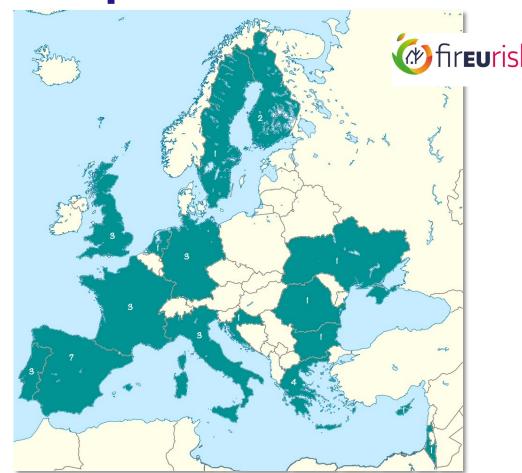


2021 Fires Report

2022 Fires Report



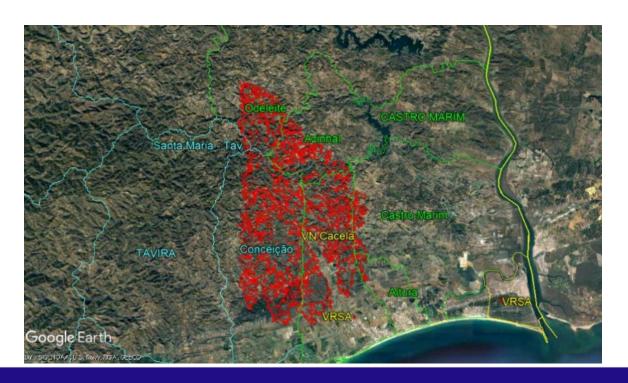
- Dimensions of wildfire events
- Impacts of wildfire events
- International dimension of the events
- Emerging wildfire countries



2021 and 2022 EU Fires Report

General description of the fire





- General description of the fire
- Description of the region affected by the fire

2021 and 2022 EU Fires Report

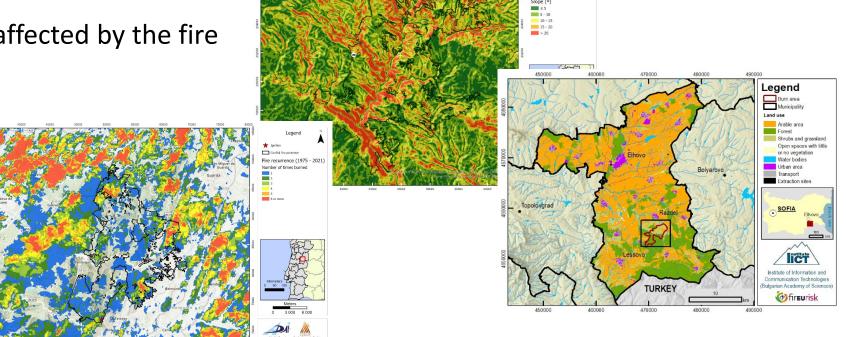
General description of the fire

Description of the region affected by the fire

Demography

Demography

- Orography
- Slope
- Fire recurrence
- Land use



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- General description of the fire
- Description of the region
- Fire conditions

Day

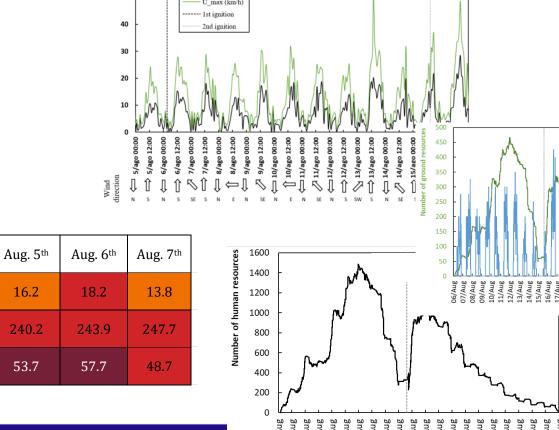
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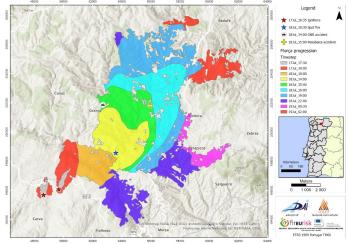
FWI

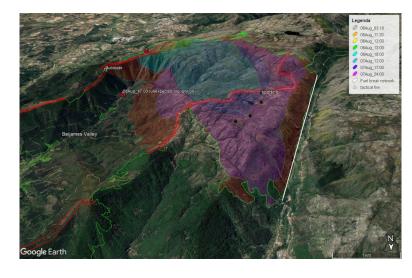
2021 and 2022 EU Fires Report

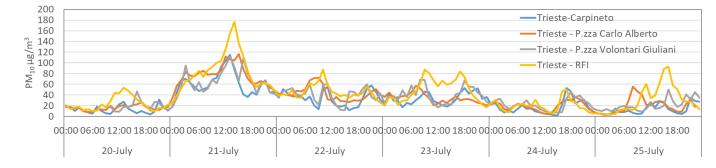
- General description of the fire
- Description of the region
- Fire conditions
 - Meteorology
 - Fuel moisture content
 - Fire danger
 - Resources allocated



- General description of the fire
- Description of the region
- Fire conditions
- Fire evolution and smoke







- General description of the fire
- Description of the region
- Fire conditions
- Fire evolution and smoke
- Post fires (cascading effects)



2021 and 2022 EU Fires Report

- General description of the fire
- Description of the region
- Fire conditions
- Fire evolution and smoke
- Post fires (cascading effects)
- Lessons learned

 Need to increase prediction capacity for days and locations with higher fire danger classes

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- Evaluate fire patterns at smaller scales than currently (e.g., parish level) during the peak fire period

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- Enhance self-protection capacity of citizens and private entities

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- Harmonize wildfire risk information and empowerment of cooperation between countries – European Firefighting Common Force

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- Evaluate of fire patterns at smaller scales than currently (e.g., parish level)
- Enhance self-protection capacity of citizens and private entities
- Harmonize wildfire risk information and empowerment of cooperation between countries – European Firefighting Common Force
- Analysis of wildfires and wildfire episodes to extract lessons that can enhance firefighting management capabilities

Protocol for wildfire events analysis

Local data survey and intervenient interviews

<u>During</u> the fire event and <u>aftermath</u> data survey

Complementary data survey

Orography, meteorological data, environmental data

Infrastructure characterization data

Earth observation imagery and derived products

Data mining, process and analysis

Useful tools and <u>reconstruction</u> of events



Thank you

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