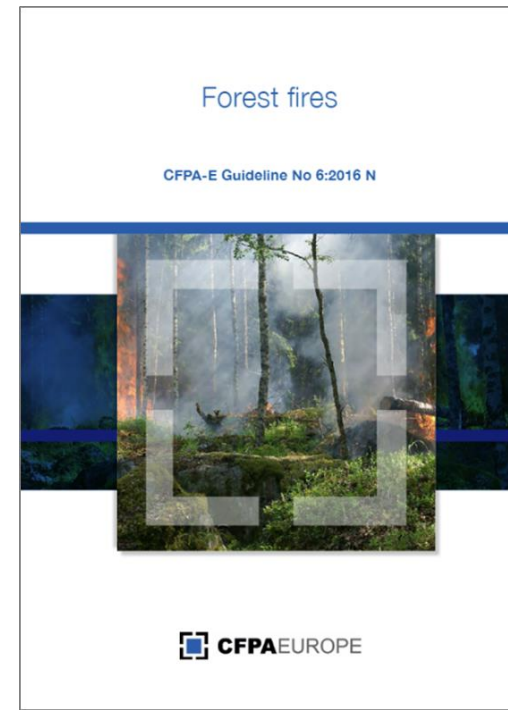




CFPAEUROPE®

CFPA GUIDELINE No. 6N: FOREST FIRES

Miguel Vidueira
Natural Hazards Commission



Why?

Forest and wildfires are becoming bigger and bigger threats in Europe, specially (but not only) in southern countries

Attica, Greece
2018



Why?

Forest and wildfires are becoming bigger and bigger threats in Europe, specially (but not only) in southern countries

Pedrogao,
Portugal
2017



Why?

Forest and wildfires are becoming bigger and bigger threats in Europe, specially (but not only) in southern countries

Málaga, Spain
2021



Why?

Forest and wildfires are becoming bigger and bigger threats in Europe, specially (but not only) in southern countries

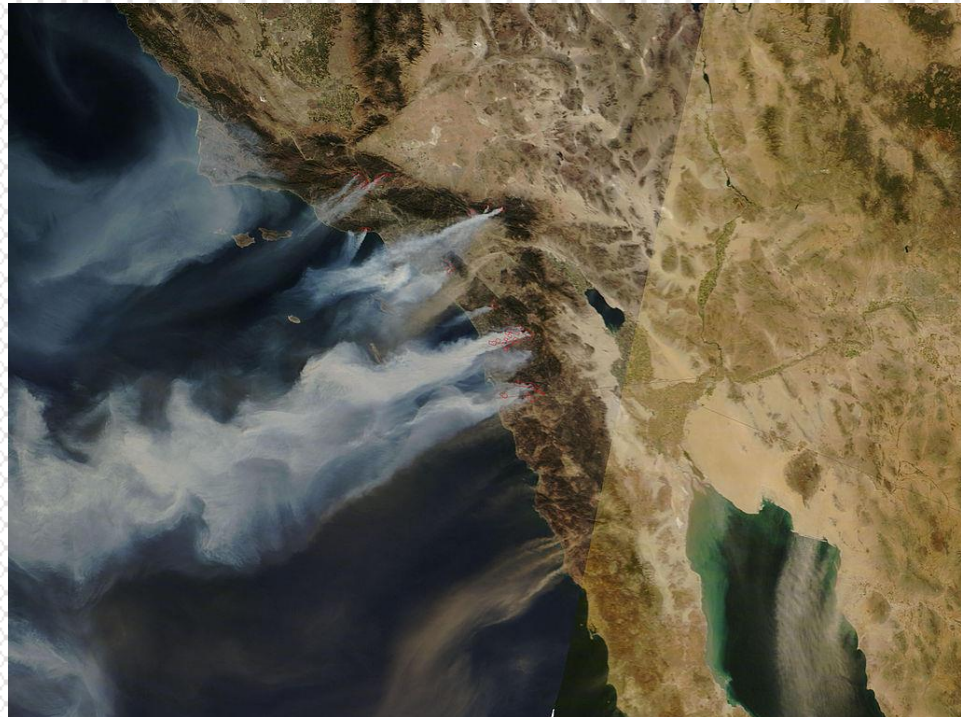
Sweden,
2018



Why?

It's a problem not only at an European level. Every summer we have news from big fires in California.

California, USA



Why?

And recently, we have seen very destructive fires in Australia

East Coast, Australia,
2019-2020



What´s behind?

In most of cases, these big fires occurred after long, dry periods.

Heat waves are becoming more and more common even in countries where this phenomena was not common.

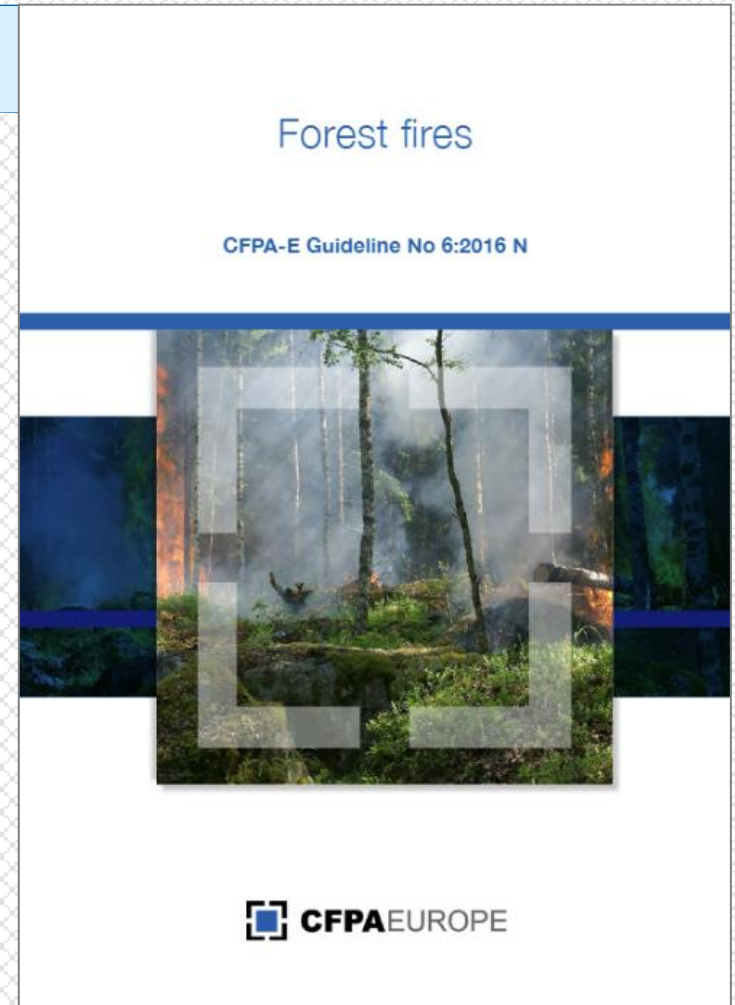
Climate change is believed to be behind some of these heat waves.



What´s our guideline intended for?

This guideline is primarily focused on providing a guide to live in a responsible and safe way with nature, regarding fire.

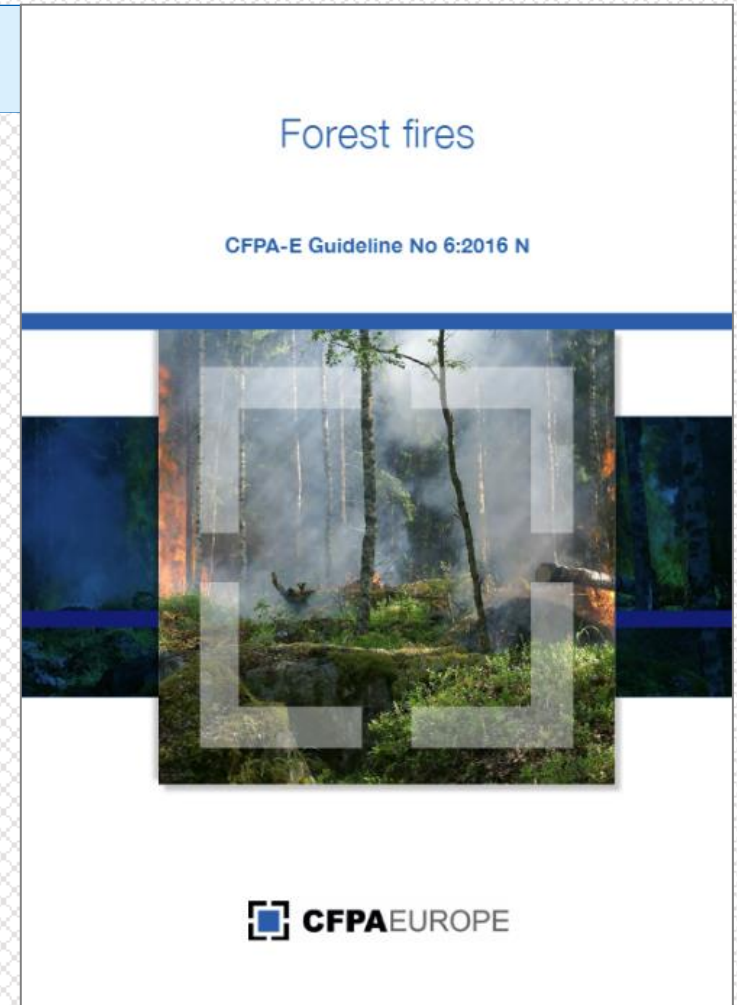
Giving information about how a wildfire can start and develop, it is easier to understand the preventive behavior to adopt in order to avoid the occurrence of a fire or minimize its consequences.



What´s our guideline intended for?

This guideline provides information about:

- How a wildfire develops
- Forest Fires prevention techniques
- Forest Fire Fighting
- Living in an urban-wildland interface
- Practical advise for conducting activities in the forest



Types of Forest Fires

Knowing how a fire can develop and spread is important to understand the best way to prevent or fight it.

- Soil or surface fire
- Treetops fire
- Subsurface fire



CFPA-E GUIDELINE: FOREST FIRES



2021/10/21



MIGUEL VIDUEIRA

Forest Fire prevention techniques

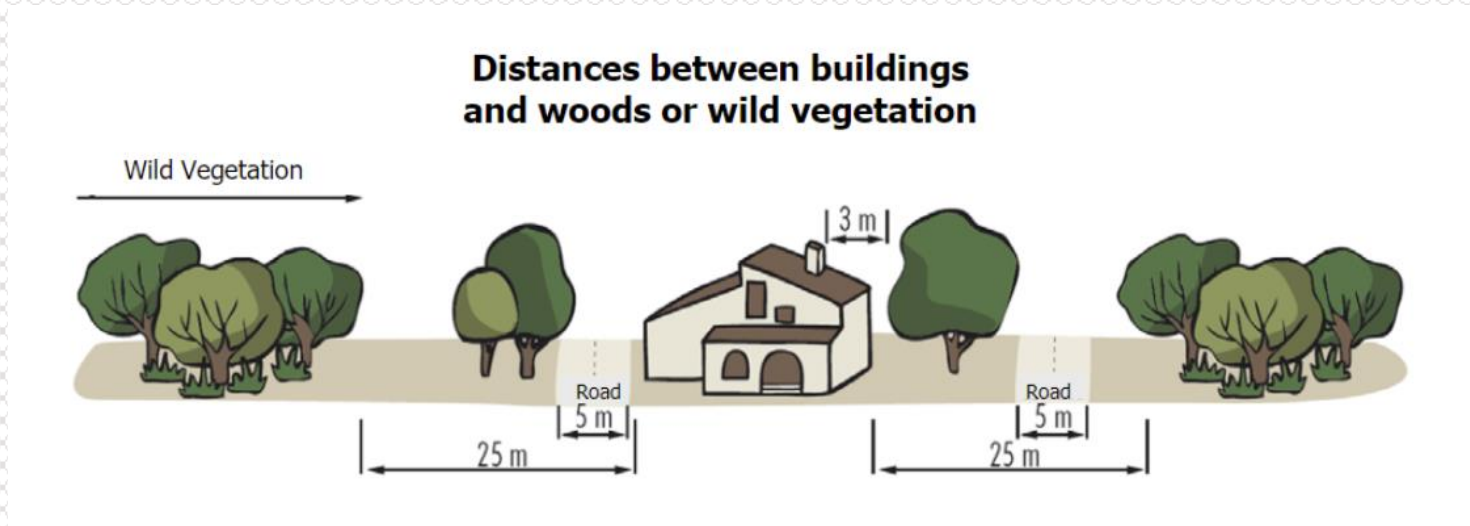
We are abandoning the forests...

The Guideline shows the main techniques to clean the wildland, reducing the vegetation at a ground level, and pruning the lower levels of the trees.

Homes in the countryside

The Guideline gives instructions about fire prevention:

Minimum distances from the constructions and wildland areas, between chimneys and trees, etc



Homes in the countryside

Protection against wildfire:

- Evacuation
- Distancing
- Lockdown



Practical advice for conducting activities in the woodlands

Use of tools that produce heat:

- Avoid the presence of sparks and ignitable sources

Use of vehicles:

- Avoid the contact of exhaust system with vegetation, use of spark arrestors...

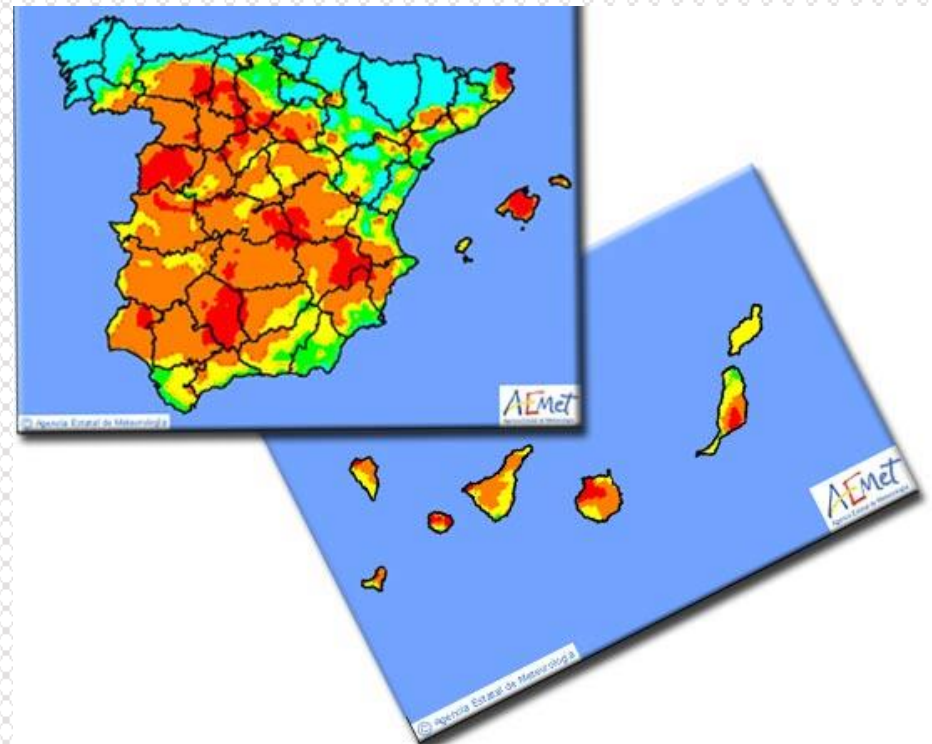
Recreation in the woods:

- Use of open flame, smoking, camping...

Forest Fire Hazard forecast

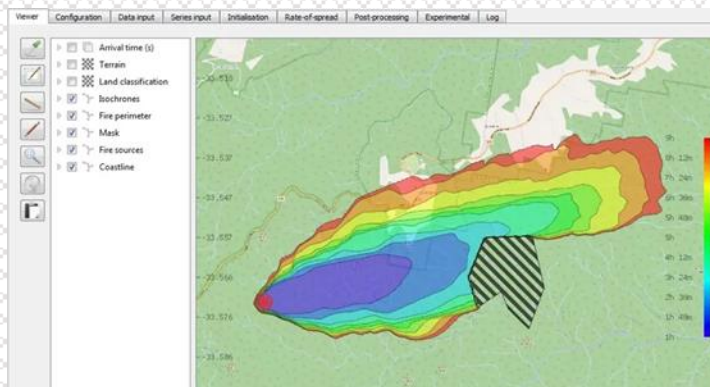
Many countries worldwide use a gradation system for the Wildland Fire Hazard.

Some advice about how to proceed, depending on the hazard level, is included under this chapter.



What's to come?

- References on hazard forecast from different countries.
- Computational prediction of the fire spread.
- 6th generation fires



THANK YOU FOR YOUR ATTENTION

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