

66 people in Portugal



Wildfire risk in Scandinavia is limited. In Sweden, the total annually burnt area of forest has not exceeded 5000 ha since 1950s for most years. In Finland, there has been no significant increasing or decreasing tendency in the climate-driven wildfire danger during the 20th century.

Current risk

North of the Alps no clear trend was observed.

In the Alps, in recent decades the strongest increase of wildfire danger has been observed in the Southern Alps.

The fuel build-up following agricultural land abandonment as a result of the rural exodus has created an increasing fire hazard in Mediterranean Europe.

In Southern Europe, fire frequency and wildfire extent significantly increased after the 1970s compared with previous decades due to fuel accumulation, climate change and extreme weather events, especially in the Mediterranean basin.

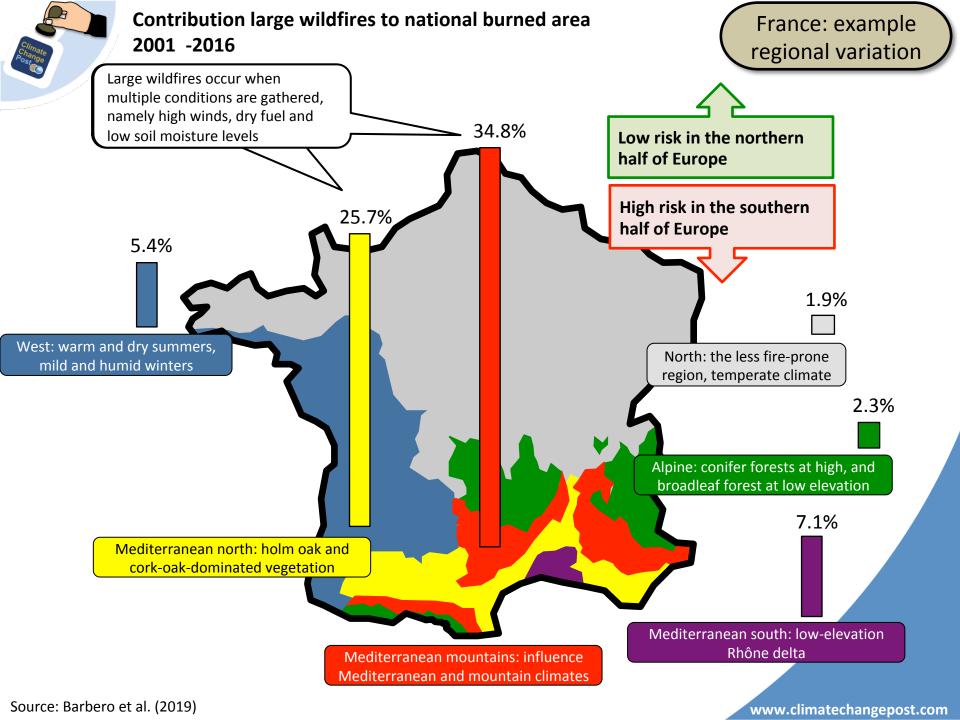
Low risk in the northern half of Europe

High risk in the southern half of Europe



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Over the last 30 years some 400,000 wildfires have occurred in Spain. During 1991-2002 each year 0.55% of the total forest area of Spain burnt.





In Northern Europe, fires are projected to become less frequent due to increased humidity.

Future risk

There will be 2 to 6 additional weeks of fire risk in most of the Mediterranean region. The maximum increase is inland, including Central Turkey, where at least an additional month with risk of fire is expected.

Future wildfire risk is projected to increase in Southern Europe, with an increase in the occurrence of high fire danger days and in fire season length.

Balkans, North Adriatic, Central Spain, North Italy and Central Turkey are the most affected regions.



The only part of the Mediterranean region with little change in fire risk is the southeast. Cyprus, the islands of Crete, Sardinia, Sicily and the Peloponnese see no increase or

decrease.



Northern Sweden is likely to be a fire-resistant region in the future climate where the number of days with high fire risk is found to be lower than today.

Future risk

Southern Sweden is projected to become a more fire-prone region with an increased number of days with a high fire risk. In Scandinavia, on average, the number of wildfire danger days may increase by 7 to 10 days compared with 1961-1990.

Most of Europe, especially Western, Eastern and Central regions, could experience an increase in the frequency of extreme wildfires: current 100-year events will occur every 5 to 50 years by the end of the century.





In Poland, between now and 2100, the conditions will change towards a higher risk of forest fires.





In the southern parts of European Russia the number of days per year with potential 'high or greater' risk will increase by 20-60%.



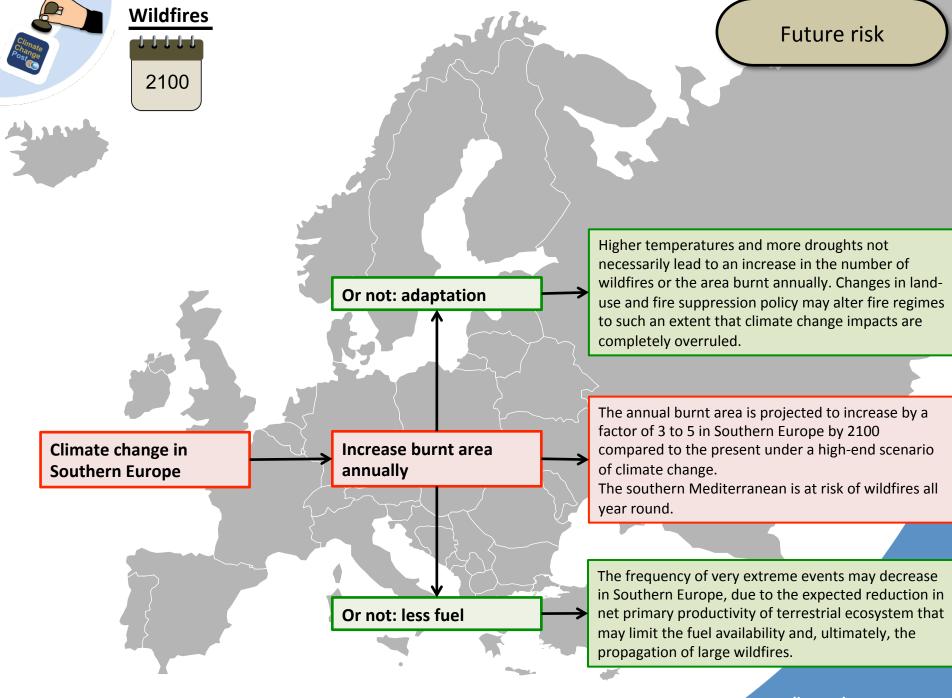
In the UK, between now and 2100, the conditions will change towards a

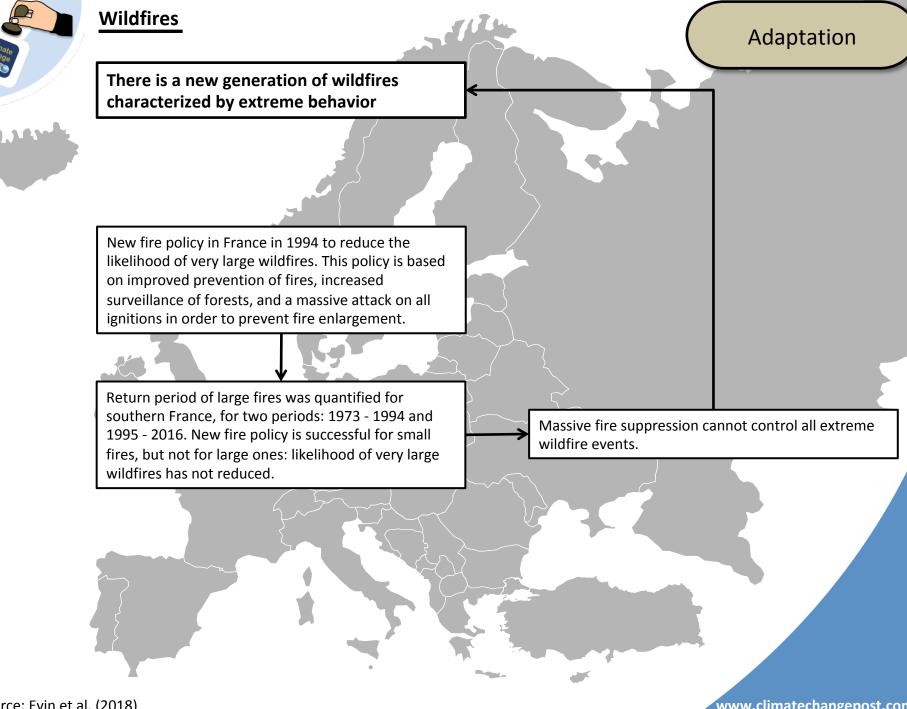
higher risk of forest fires.











www.climatechangepost.com Source: Evin et al. (2018)

