

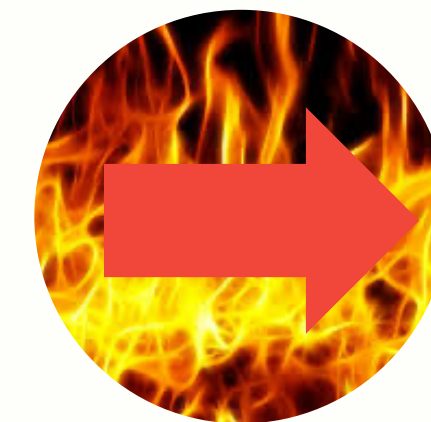


**Guess what our presentation  
will be about?**





# FIRES



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# **FIRE - good servant but a bad master**



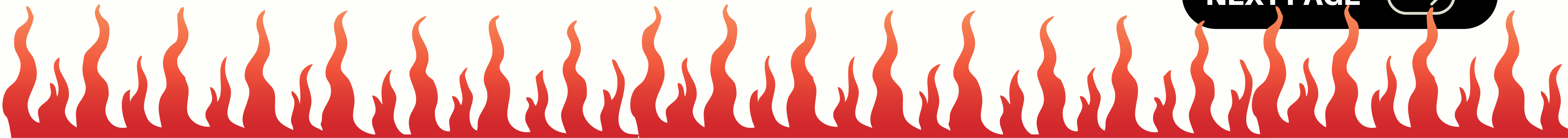
Fire has influenced human life for good and bad since ancient times. Due to fire, natural and cultural landscapes are changed. Fire has economic and mainly ecological impacts on humans and the landscape.

## **Impact on nature:**

- loss of habitat for many species of animals and plants
- changes in ecosystems
- deterioration of air quality
- increased risk of erosion



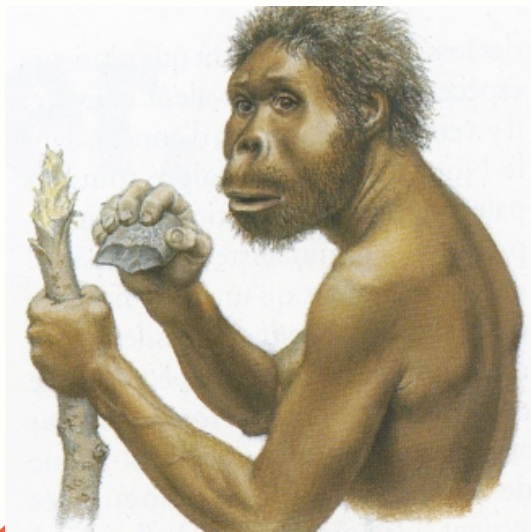
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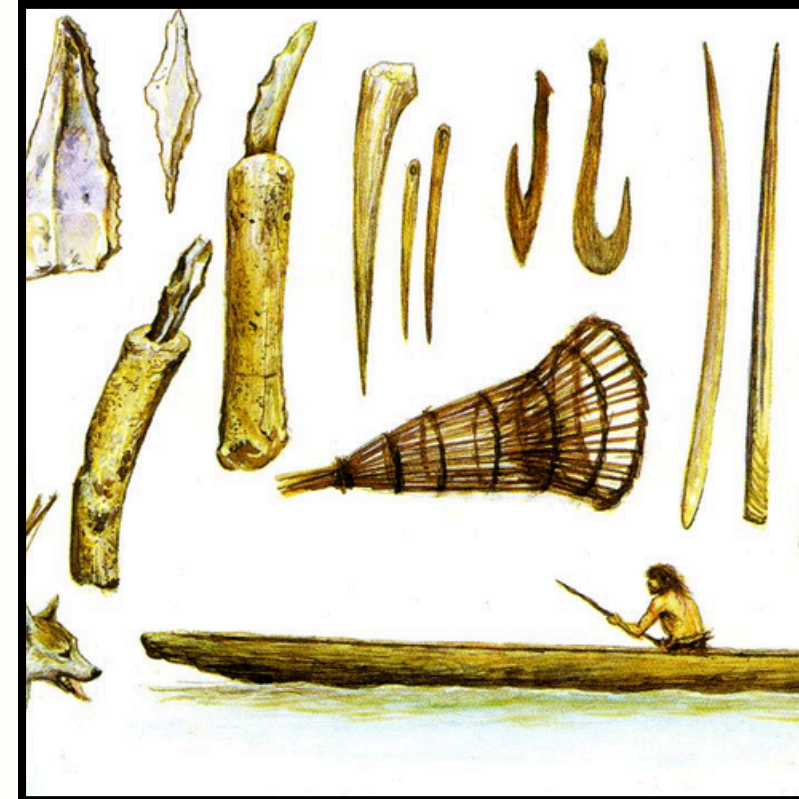
# FIRE - the use of fire in history



- Fire has historically provided a source of heat, protection from predators, a way to create more advanced hunting tools, and a new way to prepare food
- It was also used by the genus Homo
- Fire began to be used in southern Africa 164,000 years ago



—————> they used fire



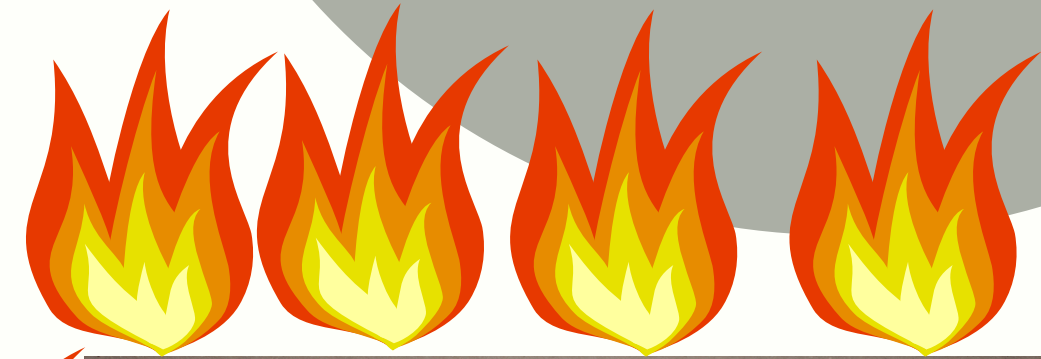
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# Fire protection in agriculture

It was a farming method that involves the cutting and burning of plants in a forest or woodland to create a field called a swidden. The method begins by cutting down the trees and woody plants in an area. The downed vegetation, or "slash", is then left to dry, usually right before the rainiest part of the year. Then, the biomass is burned, resulting in a nutrient-rich layer of ash which makes the soil fertile, as well as temporarily eliminating weed and pest species.





# Burning forests to establish a plantation (deforestation)

Slash-and-burn agriculture was common especially in the past. However, in some places, forest burning is also taking place in order to obtain land for plantations and mineral extraction. This deforestation is typical of tropical rainforest areas and is the cause of large numbers of animal deaths and air pollution.

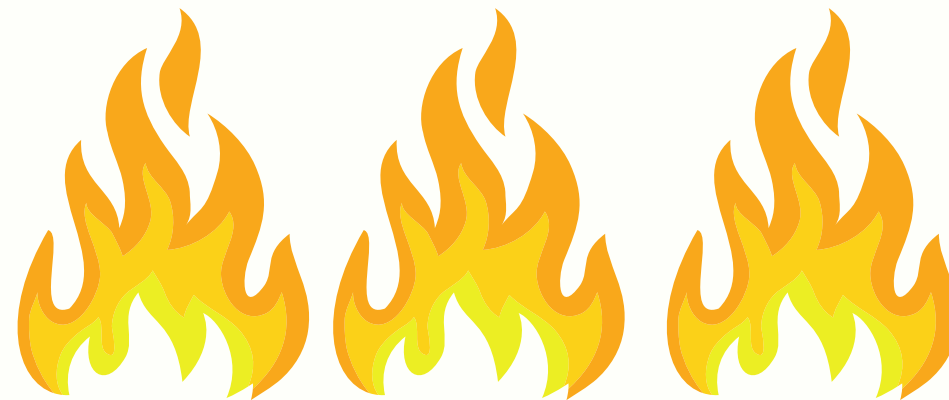




# The burning of Lidice

## - use of fire in war

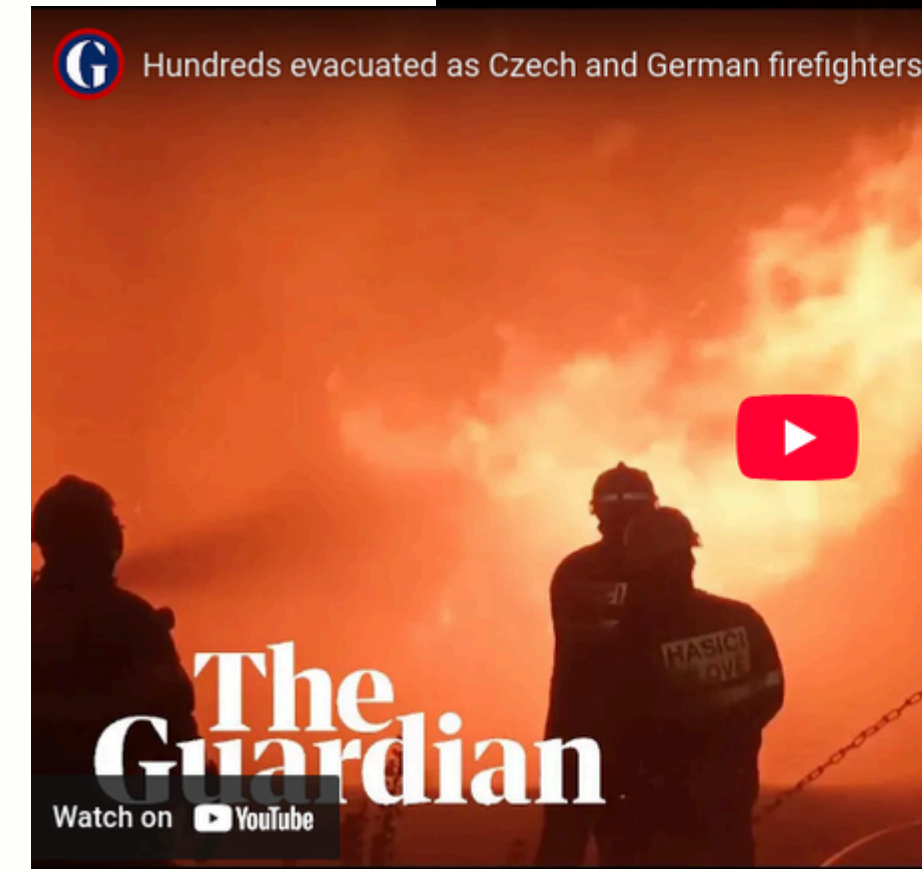
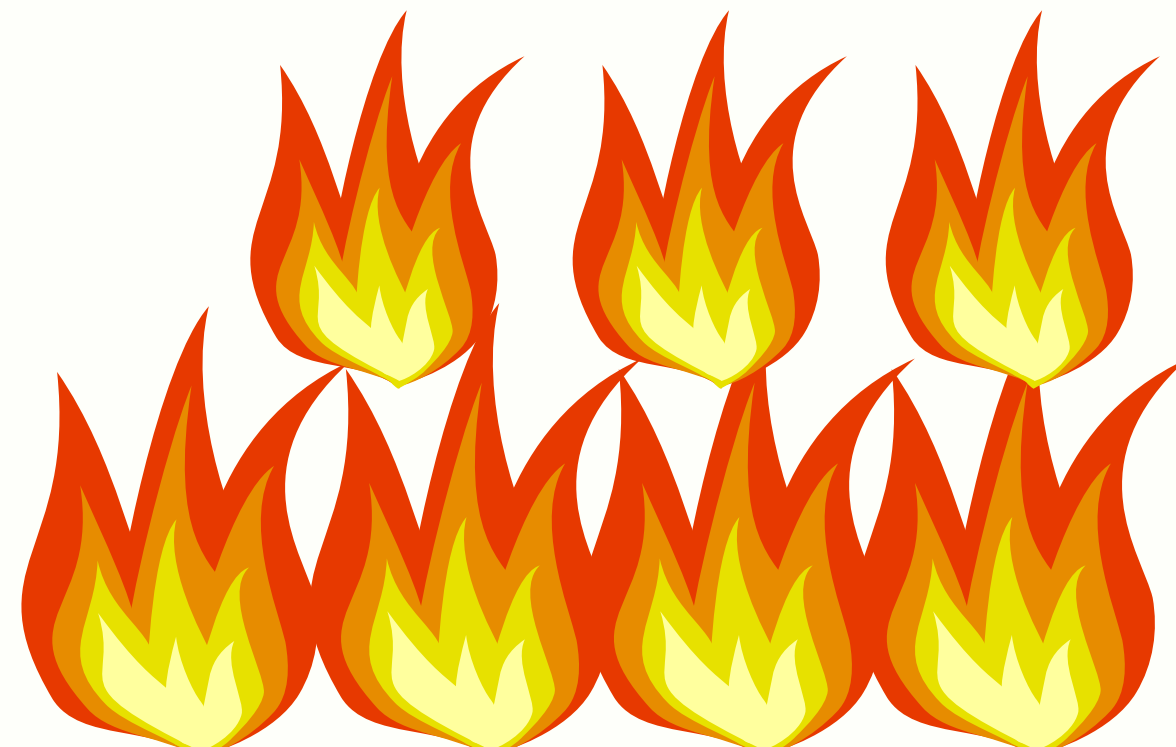
The extermination of Lidice was a violent historical event in which the central Bohemian village of Lidice was destroyed and a significant part of its inhabitants murdered by German Nazi occupiers. Lidice was burned in 1942. 192 men, 60 women and 88 children died.





# Fire in Czech Switzerland

- Czech Switzerland is National Park in Czech Republic, which was established in 2000. The dominant of the park is the Pravčická Gate.
- A forest fire in Czech Switzerland broke out on Saturday, July 23, 2022 and lasted three weeks.
- Fire was caused by humans.
- No one died.





# Negatives of the fire in Czech Switzerland

- destruction of nature
- smoke pollution
- damage to houses and cottages
- tourism decline



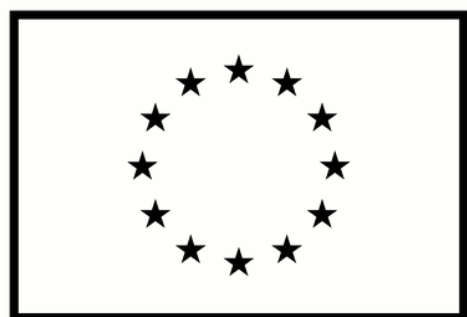
# Positives of the fire in Czech Switzerland

- landscape restoration
- new plant species
- removal of old and diseased trees
- impact on bark beetle control
- interest in nature conservation





# THANK YOU FOR YOUR ATTENTION



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