## ONE TEAR CAN'T PUT OUT THE FLAMES

A SHORT
STORY ABOUT FORESTFIREPROTECTION IN POLAND AND
EUROPE

YOUNG PEOPLE IN EUROPEAN FORESTS

## DO YOU KNOW THAT...?

- 65 PERCENT
  of european forests(especially
  in Spain, Greece, Ukraine) is
  endangering by a possibility
  of fire
- 938 CONFLAGARATIONS
  on 322 ha surface in polish
  forest in 2009

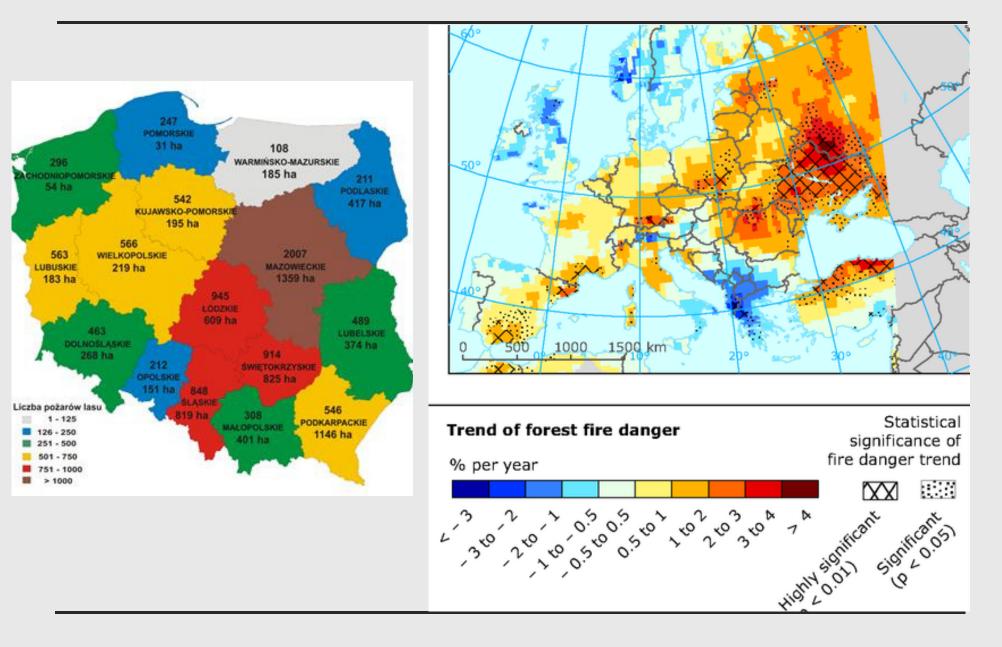
PERCENT
of polish forests is
endangering by a possibility
of fire

REGIONS

Masovian, Świętokrzyskie,

Silesian and Łódź in Poland is
the most exposed by fires.

Year by year almost 750 fires
is concentrated in this area



SOME STATISTIC SHOWING FIREIS IN POLAND (LEFT) AND IN EUROPE(RIGHT)



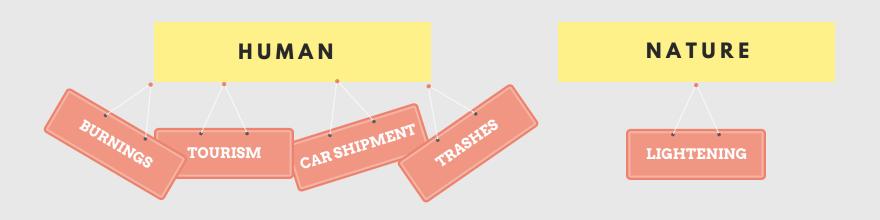
### WHAT IS FIRE?

FIRE

by polish dictionary

is uncontrolled, self-acting fire spreding, burning down places which are not supposed to, such as houses, forests, etc. In forests we say about few types of fires: underground, earthboud, top arts of trees, single trees.





### EFFECTS OF FIRES

#### EVERY FIRE HAS A DARK SIDE

you should know that...

- 1. A lot of quantities of CO2, C and different metals in atmosphere what causes climate changes and green house effect
- 2. Deths of many plants and animals spiecies what has nagative effect on ecosystem

- 3.Soil removal
- 4. Losing jobs and financial losses

Also worth knowing is that when you want to neutralizes the effect of CO2 emision from 1 ha burned fire you should plant 20 ha of trees



#### METOROLOGICAL CONDITIONS

temperature higher than 24 Celcius degrees, dampness under 40%, a little number of precipitation, wind

#### TYPE OF FORESTS

more fires is in the coniferous forests

#### AGE

If the tree is under 60 years old is more possible to blowup the fire.

## **PROTECTION**

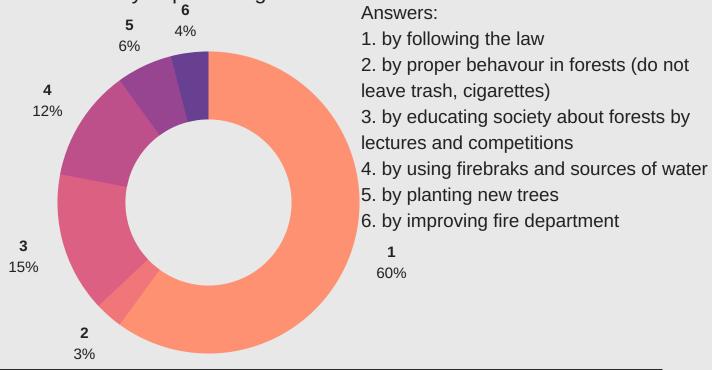
## HOW WE PREVENT THE FOREST FIRES?

- 1. by following the law
- 2.organising empolyee traning
- 3. safety behave in forests
- 4. by changing coniferous forests to leaved forests
- 5. by using firebreaks
- 6.organising society campaign
- 7.observing forests areas



## RESULTS OF SURVEY ABOUT FIREPROTECTION

On the 17th of April our team conducted survey in Sobieski High School about examples of fireprotection. Interviewees, 100 students of that high school were supposed to choose the best way of protecting forests from fire.



#### BEYOND THE MOUNTAINS



#### WHY FORESTS ARE SO IMPORTANT?

why we should enshrine them?

Reason of this is rhat:

1.Forests clean the air from toxic substances

2.Forests control the water level in soil

3. Forests are home for many animals4. They are nice place for relax and recreation for people5.They ensure timber

# 9 PER 10 FIRES IS BECAUSE OF HUMAN. LET'S SAVE FOREST FROM FIRE! ONE TEAR CAN'T PUT OUT THE FLAMES!

## THANK YOU!

BEYOND THE FLAMES

SUMMER IN BESKIDS, POLAND pictures:

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http://zieloniwpodrozy.pl/wp-content/uploads/2016/12/Sosna-na-Sokolicy-i-zach%C3%B3d-

s%C5%82o%C5%84ca..jpg

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http://www.eea.europa.eu/data-and-maps/figures/average-meteorological-forest-fire-danger/image\_xlarge

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https://pl.wikipedia.org/wiki/Pożary\_lasów

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http://bitp.cnbop.pl/wp-content/uploads/2016/02/BiTP Vol. 25 Issue 12012pp.67-78.pdf

https://books.google.pl/books?

id=nllTDgAAQBAJ&pg=PA227&lpg=PA227&dq=zagro%C5%BCenie+po%C5%BCarowe+definicja+s%C5%82own ik&source=bl&ots=CC-

2mPRjGo&sig=U246SI3AsZvilKNwzK71c8x2WXw&hl=pl&sa=X&ved=0ahUKEwiU0MHm1rXTAhWBFSwKHWvdAPgQ6AEITjAl#v=onepage&q=zagro%C5%BCenie%20po%C5%BCarowe%20definicja%20s%C5%82ownik&f=false

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