

Natural Disasters
In Greece

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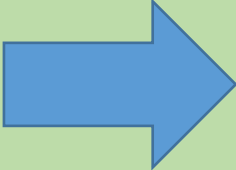


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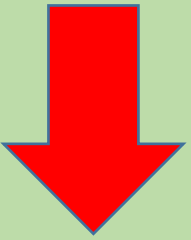




A **natural disaster** is the consequence of a natural hazard (eg a volcanic eruption, an earthquake, a landslide) which passes from the probability stage to an active phase and therefore has an impact on human activities.

Human weakness , caused by lack of planning or lack of an appropriate emergency management system, leads to financial, structural and even worse to human losses.

In Greece there have been a lot of natural disasters that cost a lot of people's lives. This project is about some shocking and disastrous Earthquakes, Forest Fires /Arsons and Floods which happened in our country.



"Earthquakes in Greece"

- *Iliadou Feroniki*
- *Makrovasili Melina*

What is an **earthquake**?

It is the ground vibration that is born during the mechanical balance of rocks by natural causes located inside the earth.

Earthquakes occur when the earth's tectonic plates release stress.

It is a natural phenomenon that can cause many losses both in human resources and material goods.



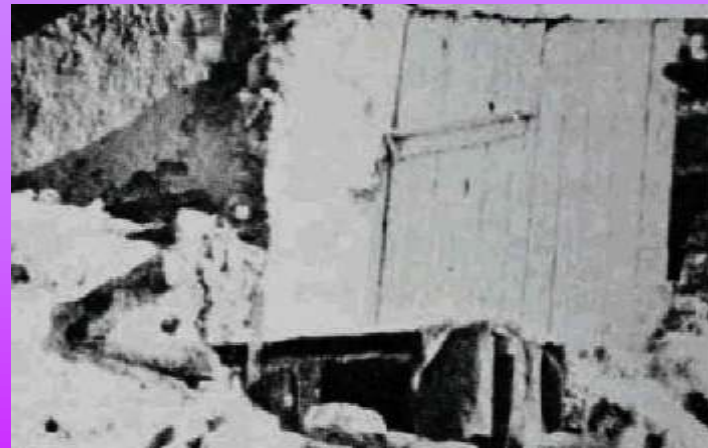
The Earthquake on the island of Rhodes

- Date: October 16th, 1856
- Time: 2.45 am
- Location: Crete, Rhodes
- Magnitude: 8,2
- Numbers of victims: 618 people lost their lives
638 were injured in Crete
20 people were killed in Karpathos (mainly in the village of Olympus).



Impacts in Crete

- The church of Agios Titos and the old monastery of Agios Frangiskos were destroyed.
- The church of Agios Minas was also damaged.
- In the city of Heraklion, out of 3620 houses, only 18 were considered suitable for habitation.
- In Rethymno, almost all the houses were damaged.
- The villages of Kalesia, Petrokefalo, Pentamodi, Agios Myron, Kitharida, Assites and Voutes were completely destroyed.
- The quake also caused significant damage in Karpathos, Kasos, Symi, Kastelorizo, Amorgos and even Cyprus.



THE EARTHQUAKE IN THE CITY OF AEGIO

- Date: June 15th 1995
- Time: 3.15 am
- Location: Aegio
- Magnitude: 6,2
- Numbers of victims: 26 people were killed(16 Greeks and 10 French)
- The epicenter was reported 15 kilometers northeast of Aegio, at the western end of the Gulf of Corinth, at a depth of 10 kilometres.



- The largest aftershock occurred 15 minutes after the main and had a magnitude of 5.7 in the Richter scale.
- The dead were the result of the collapse of an apartment building in the city centre and the hotel "Eliki" in Valimitika.
- Due to the earthquake, detachment of the shore was observed on beaches with a large slope, where zones up to 50 to 70 metres wide slipped .
- Finally, small landslides were observed.



The Earthquake in Parnitha

- Date: September 7th ,1999
- Time: 2.56 pm
- Location: Parnitha
- Magnitude: 5,9
- Numbers of victims: 145 people were dead

Most of the deaths (102) were due to building collapses.



- The areas most affected by the earthquake were Ano Liosia, Acharnes Attica, Kifissia, Thrakomakedones, Metamorfofi Attica, and Fili Attikis.
- The Acropolis and the other monuments of Athens were either left intact or had minor material damage. In the Parthenon and the Erechtheion, a slight rotation of some columns was observed, without significant results. Many of the brick buildings dating from the 19th century were not damaged, although some of these buildings were marked as red.
- The Diocese of Athens, which had also been damaged by the 1981 earthquake, needed to be restored. Monuments in which significant damage was caused by the earthquake were the monastery of Daphni and the castle of Fili, which dates from the 5th century BC, where large cracks appeared in the walls.



Safety rules

- Secure all furniture and household item , they can tip over or fall.
- During an earthquake, if you are in your house, go under a table or under a door frame.
- If you are out, go in the open.
- If you are in a tall building, find a safe place away from windows and cabinets. Stay calm and wait for help.
- If you are in a car, stop next to a sidewalk, avoid uneven crossings, power lines and bridges.
- After the earthquake, do not use your phone except in case of emergency.
- Be prepared for aftershocks.
- Offer first aid to the wounded. Do not move seriously injured. Wear shoes to protect your feet from glass.
- Turn off the main throttle switch if it smells.
- Do not turn on electrical appliances or light matches unless you are sure there is no gas leak.



FIRES AND ARSONS IN GREECE

- Marista Laura
- Banou Markella

What is an arson?

Arson is the act of setting fire, caused by human intention or neglect. As any fire involves a great degree of risk to human life or property, arson is classified as "commonly dangerous crime".



ILIA

The fire broke out in the morning of 24th August 2007, in Zacharo of Ilia.

It is considered to be an arson.



VICTIMS

- 63 dead
- 6,000 homeless
- 60,000 dead animals
- 1,500 burnt buildings
- 176,000 burnt acres of land



MATI

The fire in Mati started on 23rd of July , 2018.
It is considered to have been caused by a 65-year-old man who set fire to burn branches.



Victims

- 102 dead
- 164 injured adults & 23 children
- 15 people died in the following months in hospitals
- 1,500 damaged buildings and vehicles
- 12,759 burnt acres of land





EVIA



The fire in Evia broke out in the area of the Municipality of Mantoudi - Limni - Agia Anna shortly after 15.30 on Tuesday, the 3rd of August 2021.



VICTIMS

- 1,000 burnt houses
- 500,000 burnt acres of land including Natura (protected area)



SAFETY RULES

- 🕯️ Obey local laws regarding open fires, including campfires (from May 1st to October 31st open fires are generally forbidden in the country).
- 🕯️ Keep all flammable objects away from fire. Scrape away leaves, twigs, and grass within a 3 meters diameter circle from fire.
 - 🕯️ Have firefighting tools nearby and handy.
 - 🕯️ Never leave a fire unattended.
- 🕯️ Carefully extinguish your fire and dispose of hot charcoal.

To protect your family members and home:

- ✦ **Make a fire safe zone around your house. Clean flammable vegetation and debris from at least 10 metres around the house and any outbuildings.**
- ✦ **Prune away the lower limbs of evergreens that are within the fire safe zone. Evergreens catch fire easily during dry periods and burn quickly.**
- ✦ **Remove any limbs which overhang the roof or chimney.**
- ✦ **Regularly remove leaves and needles from gutters.**



◆ Use fire resistant roofing materials.

◆ Do not store firewood in the fire safe zone.

◆ Make sure firefighters can find access to your home. Prune away limbs and trees along your driveway which do not allow fire truck access.

◆ Have an escape plan and practice it.

◆ Put wood ashes in a metal bucket and soak them with water before dumping them.

If you spot a forest fire, remain calm, use a telephone and dial 199 to report the fire, as quickly as possible. Calmly explain to authorities when and where you saw it. If you see anything suspicious at or near the scene of the fire, take note and report that to 199 ,as well.

“FLOODS”

Flood is the extra water that overflows from a river or a lake. Many people have been killed by a flood. It's a rare phenomenon but the greenhouse effect has changed the weather conditions all over the world. In Greece, this phenomenon has evolved badly.



- Samiou Renia
- Chrysanthou Afroditi

- Floods are the second most frequent disaster, after arsons and fires. Floods are considered to be one of the most catastrophic natural disasters. They affect more people than any other natural disaster, posing serious risks for people's lives, properties and infrastructures.



“FLOODS IN ATHENS”

- During the morning hours of **November 15th, 2017**, after heavy rainfall due to the barometric low Eurydice, floods occurred in Western Attica and mainly in **Mandra, Nea Peramo, Magoula and Elefsina**. The floods **killed 24 people** and caused severe damage. This is the third largest flood in Attica based on the number of dead.



- Cars were swept away by the waters and ended up in the sea or streams and passengers were drowned. The old highway of Athens was turned into a river. There have been cases of thefts in homes and shops damaged by the floods. Many areas were left without electricity for hours. The victims were hosted on a cruise ship. Three days of mourning were declared in the country.



“FLOODS IN THESSALONIKI”

Heavy rainfall during the evening of **September 19th, 2019** caused flash floods in areas around the city of **Thessaloniki in northern Greece**.

Local media reported that **2 people** were rescued from vehicles trapped in flood waters. The fire service received more than 150 calls with 17 requests for flooded homes or basement stores to be pumped out.



“FLOODS IN HALKIDIKI”

A severe weather system, named “Medusa” by local media, brought heavy rain to parts of the **Halkidiki** Peninsula in Greece on **16th July**, causing flash floods.

Halkidiki is in the Region of Central Macedonia, in Northern Greece and is a popular tourist destination. There, flood water swept through streets and dragged away cars and camping trailers. At least **9 people** had to be rescued. Several roads were blocked by flood debris and rock slides. Buildings, including hotels, were also damaged.



“SAFETY RULES”

If you are in a building:

- Abandon underground spaces and move somewhere high.
- Stay away from power lines and electrical wires.
- Do not walk, swim or drive through flood waters.
- Stay inside your car if it is trapped in rapidly moving water. Get on the roof if water is rising inside the car.



- Pay attention to authorities for information and instructions. Return home only when authorities say it is safe.
- Avoid driving except in emergencies.



STAY SAFE.

KEEP WELL.