



University of Cyprus
Department of Education



Earthquake Red Alert!

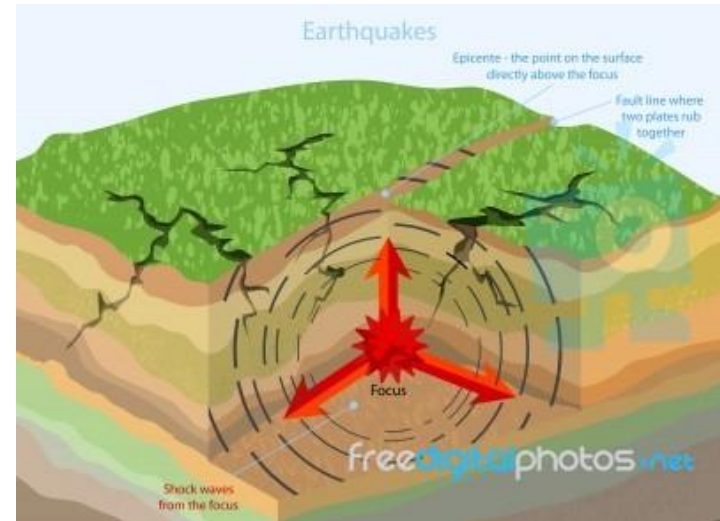


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Hello I'm Maria and I am working at the department of seismology in Cyprus as a seismologist.

An *earthquake* is a sudden and violent shaking of the ground, caused when two blocks or rock or tow plates are rubbings against each other. Sometimes an earthquake has *foreshocks*. These are smaller earthquakes that occur in the same place as the larger earthquake that follows



My work includes:



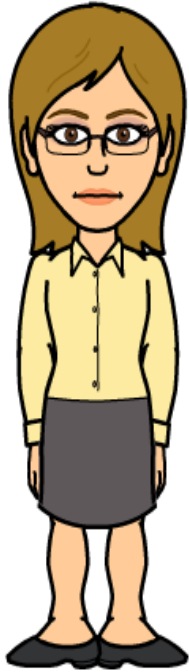
- Maintenance and operation of the seismological network in Cyprus (9 outdoor seismic stations and 2 underwater)
- Continuous monitoring and evaluation of seismic activity in the wider region of Cyprus (about 2,000 earthquakes a year)
- Specific procedures in case of a sensible earthquake
- Dissemination of information related to earthquakes to the public via the social media, articles and face to face presentations.
- Participation in research projects about seismology issues and geo-risks
- Cooperation with international seismology research centers.

Required knowledge and skills



Knowledge of physics, geophysical topics (theory of elasticity and elastic waves, seismometry, seismology etc.) and IT skills is a must in order to work as a seismologist. You always have to think methodically!





The most important thing about my work is the monitoring and evaluation of the seismic activities.

The seismologist's concern..



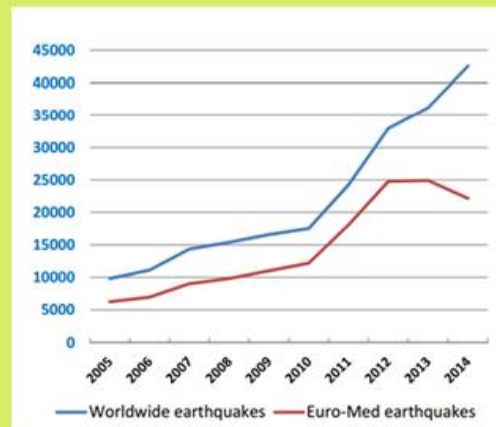
The frequency of earthquakes is a local and global issue. Earthquakes can be induced by natural causes or by humans.

Earthquake Red Alert!

European-Mediterranean Seismological Centre



➤ According to the website of the European-Mediterranean Seismological Centre (EMSC), the number of worldwide earthquakes published each year keeps on increasing since 2005.



**42,530 earthquakes
in 2014**



**116 earthquakes
published every day**

**We cannot prevent Natural Earthquakes
but we can prevent Manmade Earthquakes.**

Can you help us?





What can cause a manmade earthquake and how can be prevented?