

Name: Silvana Pilidou

Job title:

Geological Officer, Seismological Network Operator, Seismologist at the Geological Survey Department, Ministry of Agriculture, Natural Resources and Environment

Career:

MSci, MA, BA “Experimental & Theoretical Physics”

PhD Geophysics (Seismology)

Project: “Seismic imaging of the Iceland mantle plume. Study of the thermal structure and mantle flow pattern of the region from 3-D S-wave and anisotropy models determined by regional surface wave tomography”.

https://www.researchgate.net/profile/Sylvana_Pilidou

Responsibilities:

- 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.
- Presentations, writing articles, conducting tours regarding seismology
- Administrate the websites of the seismology center and department

Essential skills in my Job:

- IT skills
- Think methodically

What I need to know in my job:

- Knowledge of physics
- Knowledge of geophysical topics (theory of elasticity and elastic waves, seismometry, seismology etc.)



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Geological Officer, Seismological Network Operator and Seismologist, Silvana Pilidou, Geological Survey Department, Ministry of Agriculture, Natural Resources and Environment

I am a Geological Officer, Seismological Network Operator and Seismologist at the Geological Survey Department, Ministry of Agriculture, Natural Resources and Environment in Cyprus.

Regarding my educational background, I have a Bachelor's degree and two Master's degrees in "Experimental & Theoretical Physics". I am also a holder of a PhD in Geophysics (Seismology). The title of my project is "Seismic imaging of the Iceland mantle plume. Study of the thermal structure and mantle flow pattern of the region from 3-D S-wave and anisotropy models determined by regional surface wave tomography".

IT skills and methodical thinking are the considered essential skills for my job. Required knowledge concerns physics and geophysical topics (theory of elasticity and elastic waves, seismometry, seismology etc.).

My main responsibilities at the Geological Survey Department include: the 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); undertaking 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; presentations, writing articles, conducting tours regarding seismology and administrating the websites of the seismology center and department.