



Geological Setting, Mineral Resources and ancient works of Samos and adjacent islands of the Aegean Sea

Brief description

The Faculty of Geology & Geoenvironment of the National and Kapodistrian University of Athens is organizing a training school on the subject "Geological Setting, Mineral Resources and ancient works of Samos and adjacent islands of the Aegean Sea".

The main aim of this training school is to introduce scientists and post-graduate students the geology, geoarchaeology and mineral resources of Samos and adjacent Aegean islands. Samos was selected because of its significant and unique geology and its evolution through the geological time. Through this training school, attendees will have the opportunity to widen their knowledge and experience by connecting the theoretical background with what they meet on the field.

Additionally, attendees will gain a wider knowledge in the multidisciplinary subjects of the geosciences, materials and ancient constructions.

Topics

• Ancient works • Archaeology • Civil Engineering • Coastal Geomorphology • Geoarchaeology • Geochemistry • Hydrocarbons • Hydrogeology • Industrial Minerals • Palaeoenvironment • Paleontology • Petrology • Sedimentology • Seismology • Structural Geology-Tectonics • Volcanology

Programme

The programme of the training school will focus on training scientists through lectures and fieldwork. The first two days, 26-27/8/2013, will be devoted on lectures related to the subjects that will be addressed during fieldwork, and will allow participants to get acquainted with Samos and the Aegean Sea. From 28-30/8/2013, a three-days field work programme will be implemented in significant sites of Samos island.

Language: English

5 April 2013 End date for expression of interest

Target Group: Geologists, Mining Engineers, Archaeologists, Conservators of antiquities, Civil Engineers, Architects

No of Participants: 40

Participation costs: Registration fee 150€ (not including travel and accommodation). Accommodation will be pre-reserved at Aegeon Hotel, with special prices.

Organized by

NKUA, Faculty of Geology & Geoenvironment

Scientific Committee

Papanikolaou D., Stamatakis M., Schack Pedersen S.A., Simosi A., Aggastalis G., Dounias G., Hein J., Calvo J.P., Regueiro M., Abatzis I., Andrews J., Conti P., Kyriakopoulos K., Bense V., Lozios S., Vassilakis E., Alexopoulos J., Evelpidou N., Poulos S., Tziliggaki E., Roussiakis S., Kouli K., Triantaphyllou M., Pedentchouk N., Krarup Pedersen G., Nomikou P., Kiliass S., Limberis E., Karageorgiou D., Nikolaou K.

Organising Committee

Evelpidou N., Poulos S., Vassilakis E., Alexopoulos J., Kouli K., Antoniou V., Anastassatou M., Marka J., Gerokonstantis G., Stathopoulou E., Antonopoulou S.

Information & Registration: evelpidou@geol.uoa.gr

2nd Announcement, 15/3/2013

TRAINING SCHOOL

26-30 August

2013

Samos Island, Aegean Sea, Greece



Geological Setting, Mineral Resources and ancient works of Samos and adjacent islands of the Aegean Sea

Draft Programme

26/8/2013

Area: Karlovassi

Subject: Introduction to the topics

Lecturers: Dimitrios Papanikolaou, Stig Asbjørn Schack Pedersen, Dimitrios Karageorgiou

Subject: Geotectonics, Morphotectonics and Seismology

Lecturers: Victor Bense, Stelios Lozios, Serafim Poulos, Niki Evelpidou

Subject: Paleontology-Palaeoenvironment

Lecturers: Sokratis Roussiakis, Katerina Kouli, Maria Triantaphyllou

Subject: Post Alpine stratigraphy and Sedimentology

Lecturers: Julian Andrews, Jose Pedro Calvo

27/8/2013

Area: Karlovassi

Subject: Civil Engineering, ancient works, archaeology

Lecturers: George Aggitalis, Evryviadis Limberis, George Dounias, Aggeliki Simosi

Subject: Economic Geology (Energy resources, Industrial minerals)

Lecturers: Ioannis Abatzis, Konstantinos Nikolaou, Nikolai Pedentchouk, Michael Stamatakis, Manuel Regueiro, Paolo Conti

Subject: Petrology-Volcanology and Mineral Resources

Lecturers: Kostantinos Kyriakopoulos, Gunver Krarup Pedersen, Paraskevi Nomikou, James Hein, Thomas Andrulakis

28/8/2013

Fieldtrip-Departure from Karlovasi (8:30)

- **Kerketeas, Kallithea** (Kerketeas marbles and flysch, Kallithea detachment – tectonics)
- **Platanos** (Upper Miocene volcanic rocks, hydrothermal alterations – petrology, geochemistry)
- **Sourides-Karlovasi** (Upper Miocene zeolite tuffs, borates/celestine – industrial clays, sedimentology, diagenesis)
- **Potami-Karlovasi** (beach rocks, tobolo – geomorphology)
- **Ambelos** (Ambelos tectonic unit, Upper Miocene volcanic rocks & Metamorphics – volcanology, tectonics)

29/8/2013

Fieldtrip-Departure from Karlovasi (8:30)

- **Vourliotes** (Basement rocks, marbles – tectonics)
- **Kokkari** (Upper Miocene diatomites – tectonics)
- **Vathi** (Basement rocks – Tectonic units)
- **Zervou** (Pliocene fossiliferous limestones, travertines – sedimentology)
- **Mytilinioi** (red clays and tuffs, Tourolian deposits, Paleontological museum – sedimentology, paleontology)
- **Agiades** (Ancient quarries – ancient underground mining, archaeology, petrology, silica diagenesis, mineralogy)
- **Chora** (Upper Miocene diatomites, porcellanites – diagenetic alterations, tectonics)

30/8/2013

Fieldtrip-Departure from Karlovasi (8:30)

- **Vathi-St. Zone, Myrtia** (emery, rudists – industrial minerals, paleontology)
- **Vathi** (Archaeological Museum – archaeology, geoarchaeology)
- **Dimitriou quarry** (Mesozoic limestones, marbles – ancient mining)
- **Pythagoreio** (ancient walls of Samos, Eupalineion tunnel, ancient quarries, ancient city, archaeological museum, ancient port of Samos – civil engineering, archaeology, geoarchaeology)
- **Potokaki-Glyfada** (Roman Spa and constructions – geoarchaeology)
- **Heraion** (archaeological site, geophysical demonstration on the field – geomorphology, geoarchaeology)
- **Psili Ammos** (wetland – physical geography)