

International Training Course on Seismology, Seismic Data Analysis, Hazard Assessment and Risk Mitigation"

Accra, Ghana, September 10 to October 5, 2018

The international training course "Seismology and Seismic Risk Assessment" was conducted in cooperation with the Ghana Geological Survey Authority (GGSA) in Accra/Ghana from September 10 to October 5, 2018. The GFZ-funded course is supported by UNESCO and co-financed by the Federal Foreign Office.



Participants and lecturers of the workshop 'Site Specific Hazard Assessment of Critical Infrastructure' Photo: GFZ

The course 2018 was realized as regional course for Africa. It was co-organized by the Ghana Geological Survey Authority (GGSA) and the former course participants Saviour Alomatu (2005) and Nicholas Opoku (2015). Within the four weeks course, 26 participants – PhD students of different universities as well as employees of research institutions - from 18 African countries were trained in the fields of earthquake analysis and seismic hazard and risk assessment. The participants came from Algeria, Botswana (2), Burundi, Cameroon (2), Kenya (2), DR Congo, Egypt, Ethiopia (2), Madagascar, Malawi, Morocco (2), Mozambique, Nigeria, Ruanda, Sudan, South Africa und Ghana (5).

Within the frame of the training course, GFZ established a new seismic broadband station ACRG of the seismic network GEOFON, run by GFZ, in Accra, to improve precision of locating earthquakes in this region. The data are provided globally by GGSA and GFZ in real time (<https://geofon.gfz-potsdam.de/waveform/liveseis.php?station=ACRG>). The course was opened by Hans-Helge Sander, Deputy Head of the German Embassy in Accra, Mrs. Barbara Oteng Gyasi, Deputy Minister of Lands and Natural Resources in Ghana, Daniel Boamah, Chief Executive Director of GGSA, and Torsten Dahm, Head of section Physics of Earthquakes and Volcanoes. The GGSA is in charge of the monitoring and assessment of natural hazards in Ghana.



Photo: GFZ

During the main excursion of the training course the participants visited the city of Kumasi and a gold mine (left picture), in which ancient gold-bearing rock is mined. The program also included a visit to the SALT seismological station near the town of Saltpond (right picture).



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List of lecturers

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