ID: Type: **Poster**

The Seismic Network of Zambia

This work provides an up-to-date overview of modern instruments used in earthquake seismology as well as a description of theoretical and practical aspects of seismic instrumentation. The main presention brifly describes the zambian seismic neworks[ZSN] seismicity in zambia .This network has undergone three major phases in its digitization processes from single analog station to the current three componts â☒¢ Choosing and installing equipment for seismic stations Designing and setting up seismic networks and arrays Maintaining and calibrating seismic instruments, Seismic sensor Digitizers Seismic recorder Communication systems Software used for seismic station and networks .The aim of network is to monitor seismic activities in zambia and surrounding areas in order to advance the Government of Republic of Zambia on the inidence of the Earthquake activity. The sensor types include the STS1/2 with Q330 digitizers and IMS auxiliary interfaced with GCI the rest of the station are either Guralp Tellurium,Nanometrics with all digitized, Reftek 130s. some Guralps compact types with inbult DM24 digitizers which run on SCREAM

Primary author: MUSONDA, Grace (Geological Survey Department)

Presenter: MUSONDA, Grace (Geological Survey Department)

Track Classification: Theme 1. The Earth as a Complex System