



## **Dynamics of reservoir induced seismicity along River Nile**

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The river Nile is longest river in the world. Many dams are located along it. The high dam is largest dam and longly studied by means of seismic and water level monitoring. seismicity recorded in the Aswan area between 1986 and 2012 was deeply investigated by means of frequency time analysis. The time dynamics of spatial distribution of earthquakes in correlation with the change in the water level in Nasser lake (one of the largest man made lakes in the world). The study revealed strong relation between shallow earthquakes and the the water level where deeper earthquakes are not well correlated with the water level change. The energy release maps of the area is strongly correlated with the active faults identified from geological studies.