RNM-370 Seismic Risk and Active Tectonics

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The research group is specialized in the study of lithospheric tectonic processes, seismicity and the relationship between them, essentially, but not only, in the domain of the Baetic System, the Guadalquivir Depression and North Africa. Another line of specialization refers to the study of seismic hazard, including site effects based, among others, on current seismicity behavior, historical seismicity and archaeoseismicity.

In performing its research function, the group has Güralp 6TD broadband seismic stations, 12-channel Geometrics SmartSeis seismic equipment, Geometrics G-857 proton magnetometer/gradiometer and the georadar Malå Geoscience Proex System with 500, 250 and RTA-50 MHz antennas.

Website for the group

Website for the Seismic Risk and Active Tectonics Research Group

Research lines

- Active tectonics
- Seismotectonics
- Seismic hazard
- Historical seismicity and archaeoseismology
- Site effect
- Fractal behavior of seismicity

Related services and products

- Active-process geological mapping
- Studies on seismic hazard for construction and infrastructures
- Studies on site effects (local geological conditions)
- Surface geophysical prospection
- Specialization courses on Seismic Risk and Active Tectonics

Spanish website: https://bit.ly/2CrzCJH