## A MICROEARTHQUAKE STUDY IN EPIRUS

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From July 17 to August 20, 1989, we installed a temporary network of portable seismological stations (including 52 analogical and 10 digital) over the Western Greece, mainly over Epirus and the Ionian Islands.

This region is located where the active hellenic subduction let place to continental collision; one of the goals of the experiment was to study the transition from EW reverse focal mechanisms observed offshore to NS normal focal mechanisms observed inland.

About 1000 earthquakes of magnitudes ranging from 0.8 to 3.8 were recorded and located during this period of time. Preliminary results show that the earthquakes are located within the crust; there are no reliable evidence of the existence of earthquakes deeper than 40 km beneath Western Greece. The seismicity clusters into 4 different zones: beneath the NW and SW of Ioanina, the East of the Gulf of Arta and the Kefallinia Island.