

Patricia Pedraza, Viviana Dionicio and William Peñaranda
Servicio Geológico Colombiano

P1.2-388

Colombia is a seismically active country, experiencing over 2,500 earthquakes each month. However, only 1% of these have a magnitude greater than 4.0. This presents a challenge for calculating the seismic moment tensor for small and moderate earthquakes, which is essential for understanding regional tectonics.

We use the latest ISOLA2024 software updates, which enhance the assessment of uncertainties and the robustness of moment tensors, focusing on non-double-couple components, which are often difficult to determine in low-magnitude earthquakes.

If you want to learn more about the results obtained, we invite you to visit poster #P1.2-388

