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## Mapping potential sources of water using geophysical methods

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In the data processing after a seismic exploration, it is necessary to obtain a plausible image. One of the tools used for this is known as seismic migration target. Seismic migration is based on a wave equation process that eliminates distortions of records reflection, moving events to their correct spatial location, which by the collapse of the energy diffractions, back to their points of dispersion. In Colombia, on the occasion of the effects of climate change, especially the scarcity of water resources in areas with limited economic resources, it is essential to seek new sources of water for which the use of methods of geophysical prospecting, are an interesting alternative in order to map new underground sources that can certainly be an important solution especially for those vulnerable communities not only to effects of this environmental phenomenon but Tamien to the stubble of violence that for years have plagued our territory.

### Biography

Edgar Monroy is currently working at Agrarian University Foundation of Colombia, Colombia Edgar Monroy research interests are Climate Change, geophysical science and Climate Hazards etc.

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