

Geowissenschaftliches Kolloquium

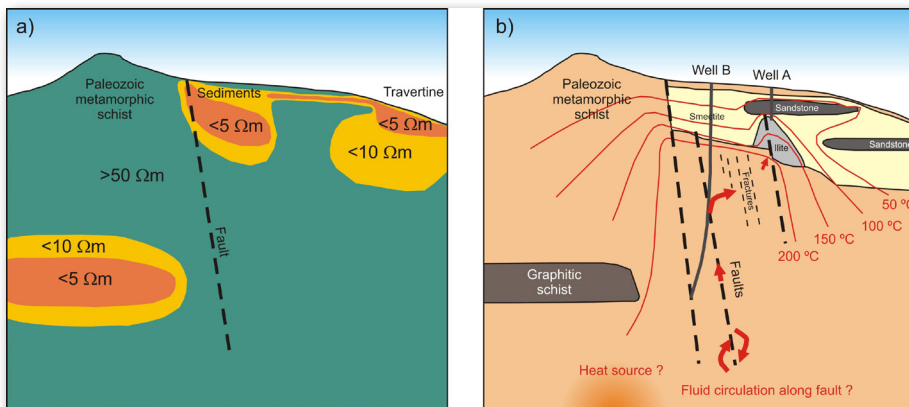
Geophysical exploration for geothermal resources

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The importance of geothermal energy as a crucial contributor to the energy mix has been growing in the last years. Geothermal systems, composed by a system of faults and fractures filled with geothermal fluids and altered rocks, are ideal targets for electromagnetic methods, which have become the industry standard, but other geophysical methods are used as well. Integration of independent data is key in order to obtain a better

understanding of the geothermal system as a whole, which is the ultimate goal of exploration.



Dr. Gerard Muñoz studied Physics and Geophysics in the University of Barcelona, where he got his Ph.D. in 2005. Since 2006 he is a research scientist at the German Research Centre for Geosciences (GFZ Potsdam) where he has worked applying magnetotellurics (MT) in a broad context, from geothermal exploration to geodynamic problems.



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