

EGU2020-7816

<https://doi.org/10.5194/egusphere-egu2020-7816>

EGU General Assembly 2020

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## Variation of geophysical parameters during preparation of seismic events

**Tamar Jimsheladze**, Zurab Kereselidze, George Melikadze, and Genadi Kobzev

M.Nodia institute of Geophysics, Iv. Javakishvili Tbilisi State University, Research Department of Hydrogeophysics and Geothermy, Tbilisi, Georgia (jimsheladzetamuna@gmail.com)

In terms of geodynamic life, territory of Georgia is one of the most active region. The macro structural factor here is represented by the contact with the Arabian and Eurasian tectonic plates, which in addition to the geological diversity of the area conditions the high seismicity of mentioned region.

More the 20 year was operating a special network of hydro-geodynamical (water level, Atmosphere pressure and air temperature) observation on the territory of Georgia. Ten deep boreholes located basically on the main geo-plate and open deep aquifers. These wells as sensitive strain-meters recorded all kinds of deformation caused by exogenous (atmospheric pressure, tidal variations and season variation), as well as endogenous processes.

During observation on the territory of Georgia has observed various anomalies by water level before seismic events. Revealing of the mechanism of interrelation between the deformation processes, forestall strong earthquakes, and a hydrodynamic variation of underground waters, would allow to explain such preliminary behavior of hydrodynamic effects and to develop scientifically proven methods of the forecast of earthquakes.