

MANAGEMENT OF AQUIFERS – PLEDGE OF SUSTAINABLE DEVELOPMENT OF GEOTHERMAL ENERGY ON THE SOUTH CAUCASUS

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The South Caucasus is one of the richest regions in geothermal resources. Thermal waters are widely developed in the areas with high density of population. Existence practice of utilization this resources shows the necessity of using a modern technology – an artificial geothermal systems (GCS) with the producing and reinjection wells. As an example of this method it is described the Lissi GCS situated inside of Tbilisi – capital of Georgia. Estimation of the heat cost in this GCS has shown 5-8 times cheapness. This technology is a pledge of sustainable exploitation of the thermal waters fields and also it is environment – friendly source of energy in the given condition and for the future.