

## **Information**

### **Garni 18.06.2009 M3.6 Earthquake and Seismic Regime**

1. In 2009 the number of earthquakes is increased. 131 earthquakes have been recorded in the first half of 2009 comparing with 113 earthquakes recorded in the same period of 2008.
2. The Garni 18.06.2009 M3.6 earthquake is in the threshold of that activity. It is adjacent to Garni source zone distinguished of devastating historical Garni 1679 M7.0 (MMI X-XI) Earthquake. The last recorded earthquake is one of April 18, 2008 (MMI IV)
3. The Garni 18.06.2009 M3.6 earthquake was followed by a number of aftershock temblors namely on 18.06.2009 at 21.30, MMI III, on 21.06.2009 at 7.53, MMI III-IV and at 21.25 MMI III.
4. Anomaly of monitoring parameters are displayed mainly in the central part of theRoA. They are small in number with low amplitudes and mainly finished mode.
5. There is deficiency of the seismic energy in Armenia and adjacent areas which could be realized with one M5.0 earthquake (MMI VII) or several ones with weak seismic temblors.
6. The seismic activity is still there in the region and natural process of energy discharging occurs at the Garni source zone.

22.06.2009