

## **NEW DATA TO ESTIMATE SEISMIC HAZARD OF KAZAKHSTAN**

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For tens of years according to current seismic zoning maps only South and South-East of Kazakhstan were considered as seismically active regions on the territory of Kazakhstan.

In recent years IGR NNC RK Data Centre staff analyzed retrospective historic data and new data of digital stations installed from the year 1994 to 2003. View on Kazakhstan seismicity changed a lot. Several source zones were revealed in regions considered as "aseismic" or of low activity. Tectonic events with magnitudes  $m_b > 4.5$ , (with intensity up to 6) were localized in Central and North-East of Kazakhstan near Semipalatinsk Test Site. Large number of earthquakes with magnitudes  $m_b > 3$  were registered in North of Kazakhstan, northern Balkhash and in the West of Kazakhstan. In addition, estimation of seismic activity parameters in regions of East and South of Kazakhstan was made using data of IGR seismic bulletins. As a result, higher values of this parameter than it was considered earlier were obtained.

New data about seismicity should essentially affect on estimation of seismic hazard of Kazakhstan and should be taken into account during drawing up of a new map of general seismic zoning.