



## **A new set of seismicity maps for Iran**

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Present seismicity maps of Iran are outdated. They are provided within ten to twenty years ago. On the other hand installation of new seismic stations after 1996 around the country is a great step toward better understanding of seismicity and microseismicity of different seismotectonic provinces of Iran. They have many advantages; one of them is to provide better distribution of stations around seismic sources so better control on the resulting locations. Thousands of weak events have been recorded each year. This study provides different maps including historic, early instrumental and instrumental. Historic (pre 1900) map is not new just is tried to be better presented. Early instrumental (1900-1963) seismicity is divided into different maps based on the events published by different organizations. The reference map for this period is drawn by the data provided by ISS. The reference base map for instrumental earthquakes (1964-2004) is based on the data published by ISC but separate maps for events recorded by other organizations is produced also. After 1996 microseismicity map is presented for different provinces using data provided by Iranian Telemetric Seismic Network. Any available information including location uncertainties is transferred on the map by different graphical methods and color code.