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The development of the Moldova digital seismic network

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The Republic of Moldova is located in the seismically active region, about 70% of its area is predisposed to shaking intensity 7 - 8 points MSK.
Focal zones of the primary seismic danger to the territory of the Republic of Moldova are: Vrancea zone - for the whole of its territory and Dobrogea zone - for the southern part.
Monitoring of seismic instrumentation in the republic is provided by the Center of Experimental Seismology, Institute of Geology and Seismology, Academy of Sciences of Moldova.
According to the seismic zoning map of the Republic of Moldova, seismic stations "Cahul, Leova" and "Giurgiulesti" located in 8 - degree zone, the central regional station "Chisinau" - in 7 - degree, a station "Soroca" - in 6 - degree zone MSK scale.
The development of seismic network since 2004, going through a transition to a modern digital recording, improving working conditions for staff and the construction of new buildings for seismic stations, equipping the new network equipment and improve the methods of collecting and processing seismic data.
The works to modernize the network of seismic stations in Moldova were initiated in 2003 with the acquisition of the first three axial digital accelerometer. The device was installed initially in Chisinau, and from it we received the first digital recordings of earthquakes from September 27 and October 27, 2004.
In joint efforts with National Institute of Research and Development for Earth Physics from Bucharest, Romania, four seismic stations from Republic of Moldavia was upgraded by broadband and strong motion sensors connected at Q 330 digital recorders that issue continuous recording and real time data stream.
Starting from spring of 2008, real time seismic data exchange between IGG Republic of Moldavia and NIEP Romania is running using internet connection.