

Monitoring system of ground motion (ROSEII)

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We have developed a real-time operation system to provide earthquake information (ROSE). The Rose II is developed from ROSE to simplify the monitor system of ground motion. This system consists of two parts. The first one is the continuous monitoring system, which shows the maximum velocity distribution and corresponding predominant period within a 1 min. moving time window in a given map area, continuously. The second one is the maximum ground-motion estimation system for large events. When a major earthquake took place, the system will determine the source parameters quickly, then the maximum velocity distribution of strong ground motion caused by the event will be shown in a map. This system is now in operating by the NIED, available at <http://www.bosai.go.jp/>.