

An approach for real time data acquisition from seismic intensity meter maintained by a local government -Case study on Tottori prefecture -

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An approach to use real time data from seismic intensity meter maintained by a local government is demonstrated in this presentation. Dense observation network is desirable for upgrading accuracy and quality of Earthquake Early Warning System. Seismic intensity meters installed all municipalities before recently conducted great synoecism are suitable equipment for the purpose. The seismic intensity meters in Tottori prefecture are improved to broadcast peak ground acceleration and seismic intensity every one second. A system that applies the packet data to estimate real time or prospective intensity distribution is prepared. In addition, observed data analyses and field surveys using microtremors are conducted to evaluate site response at the seismic intensity observation stations for more accurate seismic intensity estimations.

Keywords: Local Government, Seismic Intensity Meter, Real Time