

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

*Takao Kagawa¹, Tatsuya Noguchi¹

1. Tottori University Graduate School of Engineering

An approach for displaying real time data from seismic intensity meter maintained by a local government is demonstrated. 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 the most 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 and a system displaying the data. 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. The system is developing by loading results of the analyses and observations to estimate real time or prospective intensity distribution.

Keywords: Local Government, Seismic Intensity Meter, Real Time