Improvement of Earthquake Disaster Response in Central City Area in Megacity using the Real-Time K-NET Data

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Although the JMA seismic intensities were 5 without major damage in Tokyo, its central city areas were thrown into confusion, because of the traffic jams and the huge number of commuters unable to get home. In order to prepare against larger-scale earthquake disasters in the central city area in Megacity, such as the Shinjuku Station area in Tokyo, we have been developing a series of the application systems, which consists of the pre-action area plan and rule based on the level of disasters, the information server and application software for portable PC and cellular phone, and earthquake disaster drill. We developed the prototype of the systems using the real-time K-Net data, and tested its effectiveness by a map exercise in the Shinjuku station area in 2015. We have been improving them, and test again by a drill in 2016.

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