

Research Project for the Practical use of Real-time Earthquake Information networks

R&D Target: Mitigation of earthquake hazard by distribution of Real-time Earthquake Information before arriving main shock.

R&D organizations: National Research Institute for Earth Science and Disaster Prevention (NIED)、Japan Meteorological Agency (JMA) and other participating sectors

Participating industries: Electric Power supply、Gas supply、Electronic information supply and other industries (Thorough the organization of Real-time Earthquake Information Consortium, The Fire and Disaster Management Agency, universities and corporations participate in this project.)

Scope of implementation : Prepare before arriving main shock (S wave)

- Stop the Electric Power supply、Gas supply、product lines of factories、elevators
- Initiate safety precautions and other countermeasures with Real-time Earthquake information

OUTLINE: “Research Project for the Practical use of Real-time Earthquake Information networks” is aimed at the development of technologies for automated earthquake precautions that is activated before the arrival of main shock (S wave) by providing earthquake information like the magnitude, the location of the hypocenter estimated by the P wave data to various organizations, companies and people.

In this project, the techniques to collect the data from nationwide seismometer network instantly, estimate the information on the earthquake such as hypocenter and magnitude, and distribute to the users are developed. Also, the prototypes of the systems to utilize real-time earthquake information are developed.



Aim to greatly reduction of earthquake damages by use of Real-time Earthquake Information before arriving main shock (S wave)