Seismic Waveform Network for Strong Ground Motion of urban areas in the Kinki district

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1. Introduction

Seismic waveform network for strong ground motion in urban areas in Japan has been constructed by several universities. The purpose of the project is to collect seismic waveform data from the measurement seismic intensity network of prefectures and to build a common-format database that can be utilized for the prediction of strong ground motion. The core member in this project is the earthquake research institute, University of Tokyo, which is responsible for the Metropolitan area. The Disaster Prevention Research Institute of Kyoto University (DPRI) is responsible for the urban areas in the Kinki district, especially for Osaka, Kyoto, Kobe and Shiga areas.

2. Overview

The network system of the DPRI consists of the following three devices. (1) A device for collecting waveform data of strong ground motion from the measurement seismic intensity network of the prefectures. (2) A device for collecting waveform data from the referential observation stations. (3) A movable device for temporary observation of micro-tremors and small- to medium-size earthquakes.

In the presentation, the network system of the DPRI is introduced and the Web contents are demonstrated by accessing to HP (http://wwwsms.rcep.dpri.kyoto-u.ac.jp).