

Development of the Management System on Sharing for an Integrated Geophysical and Geological Information Database

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We have been developing a management system on sharing for an integrated geophysical and geological information database to support researches on earthquake disaster mitigation. The database consists of borehole information, geological data, geophysical data, and surface soil structures. Our target is to use the database on computer network.

The management database system is based on the three concepts of: (1) Using open-source software to reduce costs for initial system, (2) Establishing a portal site for individual agency to be responsible for its own data, and (3) Employing international standards to enhance integration function with GIS software and other systems.

Based on the portal sites, we will develop a search function with the ability to search data by name, category, area, and address. People can access the data sets on the underground database by using web browser like Internet Explorer.

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