

S152-018

Room: IC

Time: May 18 15:00-15:15

Development and disclosure of an Integrated Geophysical and Geological Information Database

Masahiro Ooi[1]; Hiroyuki Fujiwara[1]; Katsumi Kimura[2]; Tatsuya Nemoto[2]; Yasuaki Murata[2]; Toshiyuki Kurahashi[3]; Yasuhito Sasaki[3]

[1] NIED; [2] GSJ, AIST; [3] Public Works Research Inst.

<http://www.bosai.go.jp/>

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. People can access the data sets on the underground database by using web browser like Internet Explorer.

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.

This research was supported by the special coordination funds for promoting science and technology of 'Development of an integrated geophysical and geological information database'.