



OHARA LAB.

[Effective Use of Disaster Information]

International Center for Urban Safety Engineering

<http://disaster-net.iis.u-tokyo.ac.jp/>

Integrated Disaster Management Engineering

※ Dept. of Civil Engineering

※ Interfaculty Initiative in Information Studies

Study on Effective Use of Disaster Early Warning

In Japan, Earthquake Early Warning (EEW) started to be announced to the public since October, 2007. In order to make the best use of EEW, its mitigation effect is simulated considering regional impacts and future strategies for improving its effect are proposed. Training system for increasing human response capacity is developed.

Effective information use for human evacuation in case of large-scale urban flood in Tokyo metropolitan area is also evaluated and its training system is developed.

- ◆ Evaluation of Effect of EEW Considering Regional Impacts and Proposal of Mitigation Strategies
- ◆ Survey on Human Response against EEW at Recent Earthquakes
- ◆ Development of Educational Tool for Imaging Response after EEW
- ◆ Study on Evacuation Plan in Case of Large-Scale Urban Flood in Tokyo Metropolitan Area
- ◆ Development of 3D System for Imaging Human Evacuation in Case of Large-Scale Urban Flood

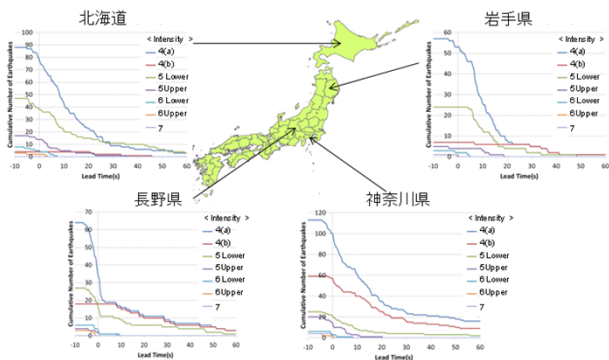
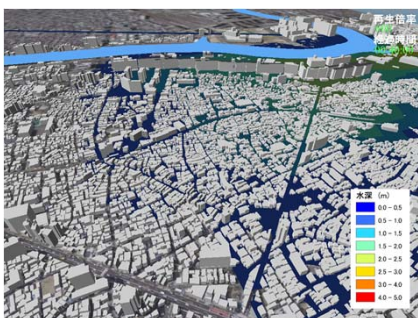


Fig.1 Expected Lead Time Distribution by EEW



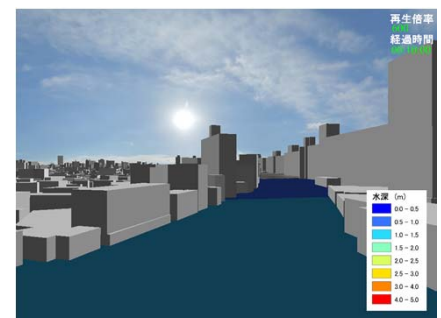
Fig.2 Educational Tool for Imaging response after EEW



Simulation of Urban Flood



Walk-through before flood



Walk-through after flood

Fig.3 3D System for Imaging Human Evacuation in Case of Large-Scale Urban Flood