ICUS

OHARA LAB.

[Effective Use of Disaster Information]

International Center for Urban Safety Engineering

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

-Dept. of Civil Engineering
-Interfaculty Initiative in Information Studies

Integrated Disaster Management Engineering

Disaster Prevention by Use of Disaster Information

Strategies for Better Use of Disaster Information

Disaster information such as risk information, disaster warning can reduce the expected damage due to future disasters if it is properly used. For this, design of strategies for “Production-Transmission-Use of Disaster Information” based on precise understandings of people’s literacy and process of information transmission is necessary. Ohara lab aims to study these strategies for earthquake disaster and water disaster.

- ◆ Survey on Response by Citizens/Companies against Earthquake Early Warning (EEW)
- ◆ Evaluation of Effect of EEW Considering Regional Impacts and Proposal of Mitigation Strategies
- ◆ Study on Support System for People Who Have Difficulty in Returning Home during Disaster
- ◆ Study on Evacuation Plan in Case of Large-Scale Urban Flood in Tokyo Metropolitan Area

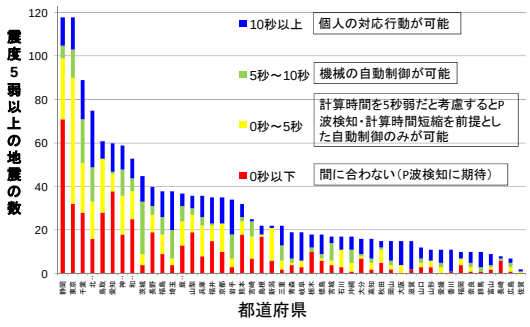

Fig.1 Regional Tendency of Lead time by EEW Based on Past Earthquake Data

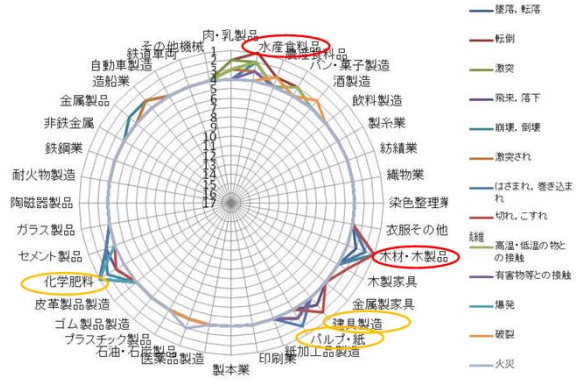

Fig.2 Benefit of Using EEW by Manufacturing Company Type (Hokkaido)

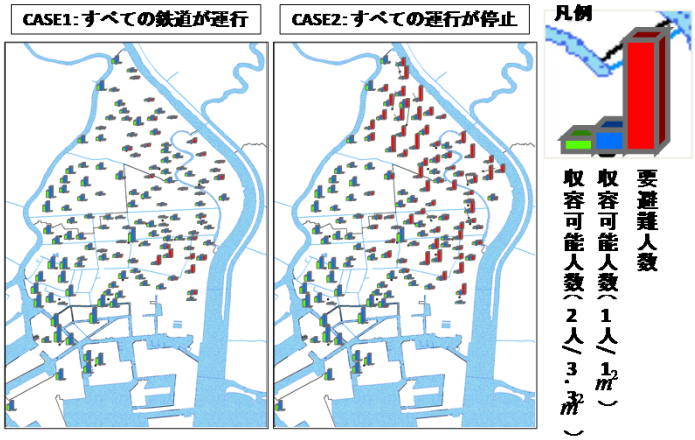

Fig.3 Capacity of Evacuation Buildings in Case of Urban Flood in Koto Delta Area

Fig.4 System for Imaging Human Evacuation in Case of Urban Flood