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Mobile Disaster-Risk Preparation Support System for Individuals using Cellular Phone

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It is important for every individual to prepare for natural disasters that could strike at anytime and anywhere. Government agencies and research institutes publish a variety of effective information regarding disaster risk mitigation. The recent increase in the use of hazard maps and email service containing disaster-related information are examples of such efforts. Disaster risk information that helps people in reducing the risks associated with natural disasters can be effective in notifying the stakeholders at risks so that they will be able to understand such risks and act accordingly. The purpose of our study is to support people to have a proper risk preparation by utilizing particular disaster risk information wherever he/she is now. We have already developed "Mobile Disaster-Risk Recognition Support System for Individuals using Cellular Phone" and we expand the system for action of preparation. For example, we added the function that presents the information of the recommended action to respond the risk. In this report, we introduce these concepts and the prototype of the system.

Keywords: disaster risk information, interoperability, cellular phone, recommended action, disaster record