

# Development of Participatory Risk Communication Method using Disaster Risk Scenario

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The capability of resident-led responses to disasters has declined in recent years due to rapid changes in social and urban structures in modern societies. In order to enhance regional disaster prevention capabilities, it is necessary to renovate conventional ways of disaster risk management by integrating both top-down and bottom-up principle of complementarities with residents, authorities and other stakeholders. A multilayered network of disaster prevention systems, depending on the diversity of regional or local self-governing activities in ordinary times, would improve regional capabilities for disaster prevention and also increase the likelihood that these capabilities could be realized in their responses at the time of a disaster. This is what we call in this paper as a new mode of 'disaster risk governance' in urban and regional communities. For this purpose, we have developed a participatory way of scenario-based risk communication method based on societal platform of integrating hazards and disaster risk information scattered in multitude of regulatory or research organizations as well as regional communities. The residents and other stakeholders can ; i) identify and improve their awareness of risk profile and management issues of the disaster risks in terms of risk scenarios, ii) organize a variety of self-governance and collaborative networks among stakeholders in ordinary times, iii) build a multilayered network of disaster prevention systems to make full use of various types of regional resources for disaster governance, and iv) link these efforts to specific disaster prevention activities tailored to their communities.



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