TSUNAMI IMPACT ANALYSIS MODEL FOR UNIVERSITY STRATEGIC POLICY OF DISASTER REDUCTION
·A Case Study of NIIGATA UNIVERSITY, JAPAN·

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2011 Tohoku Earthquake produced devastating damage on the widespread area of Japan. The schools and universities also suffered severely: 659 children, students teachers and staff members lost their lives, and 12,150 schools and related facilities were damaged. National Governing Agency, Ministry of Education, Culture, Sports, Science and Technology recognized the strong necessity of promoting practical and concrete measures in order to reduce the disaster potential disaster risks. The ministry provided the information and report about the detail of school damage and recommendation of proper countermeasures for reducing disaster damage. The present situation of many schools and universities is that they acknowledged well the need to promote the disaster reduction, however, their resources are limited, and so they cannot decide which countermeasures should be the first for their own schools.

This study will show the framework of Tsunami Impact Analysis Model for University Strategic Policy of Disaster Reduction integrating with 1) hazard assessment, 2) damage assessment, 3) human resource assessment, and 4) impact analysis for business continuity. Niigata University, Japan implemented the Tsunami Impact Analysis following our proposed model. This study clarified how to adopt this model under actual condition. We pointed out the challenges and opportunities which we faced on the process of this study.