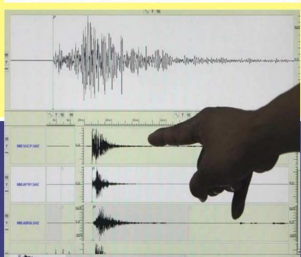


A FIELD STUDY ON CONDITIONS AND ROLES OF TSUNAMI EVACUATION BUILDINGS IN THE 2011 TOHOKU PACIFIC EARTHQUAKE AND TSUNAMI



EXPONE: Dra. Hitomi Murakami
Professor Yamaguchi University
Ube, Japan

When the magnitude 9.0 Tohoku Pacific earthquake and tsunami occurred, many schools and community centers were used for vertical evacuation places. The authors conducted field surveys to collect information on how municipal offices had designated vertical evacuation places in Miyako, Kamaishi, Kesennuma, Minami-Sanriku, Ishinomaki, and Natori cities and towns prior to this disaster, and how they were used in the event. Further, interview surveys were conducted on emergency responses after the earthquake at some evacuation places in Natori city. It was found that access to the roof floor and night time entry to the buildings, redundant tools to receive warning messages and share communication, emergency stocks of water and food are crucial, and too much use of automobiles for evacuation caused traffic congestion and delay of evacuation.



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Facultad de Ciencias Físicas y Matemáticas
Universidad de Concepción**

Contacto:
ydiaz@dgeo.udec.cl
Tel. (041) 2207277 - 2204136