

Regional assessment and visualization for disaster evacuation plan in coastal areas of Hyogo Prefecture

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The importance of the evacuation plan for natural disasters has been recognized in the wake of the damage caused by the Tsunami of the Great East Japan Earthquake. The evacuation plan such as the designation of Tsunami Evacuation Building has been promoted by local governments in the Great NANKAI Trough Earthquake areas of coastal areas of Hyogo Prefecture. For effective evacuation planning, it is necessary to create a detailed plan in consideration of the natural and social regional characteristics. In this research, the type of study area can be classified and evaluated by the topographical conditions, the local community, the evacuation distance, the location of shelters and the total floor space of buildings. Then we presented the issues related to evacuation plan using the regional characteristics.

Keywords: Evacuation plan, Great NANKAI Trough Earthquake, Regional characteristics