

# Keeping evacuation places for a massive earthquake in Nankai Trough quake: GIS Approach for the case of Komatsushima city

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The purpose of this paper is to analyze the relationship between residential property and Hazard map of Komatsushima city in Tokushima. This paper studies the problems and adequate policy of disaster prevention at Komatsushima city in Tokushima prefecture Japan. In our analysis we use Geography Information System (GIS) to grasp them. Moreover, we consider the property of residents on each area and the flooded area in Komatsushima city. Moreover, we consider the location of temporary emergency evacuation spots, which Komatsushima city determined based on Hazard Map. As the results of our analysis, we show that it is necessary to reconsider those locations based on revised flood area.