

The great Nankai-trough earthquake-how can we handle largest earthquake and tsunami-

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Following the lessons from the great 2011 off the Pacific coast of Tohoku earthquake, we need to realize the greatest earthquakes which may be occurred along the Nankai trough in future for practical disaster mitigation as well as for moderate scale earthquakes. However, our knowledge on the occurrence history and their linkage occurrence properties of the Nankai earthquake is limited due to restriction of the paleoseismology and geological data. Although the strong ground motion and tsunamis for the largest Nankai trough earthquake scenario have been examined recently, we should remember that the present estimations are based on the limited knowledge of the unknown earthquake. We need further scientific and opened discussions from various point of view to understand the occurrence probability and for treatment for social disaster mitigation plan.