

## Precise altitude tints map for the intuitive training of tsunami evacuation procedure

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About 18,500 people were killed or became missing by the huge tsunami of the Great East Japan Earthquake. In the victim, despite fled to shelter that was specified by the town office, many cases lost their lives in the shelter or in the route to go there. Considering those affected cases, if they were familiar to the natural terrain, the cases often are considered to be easily survived. However, it was difficult for a general resident to look for suitable place as a shelter and safe route to go there. Therefore it is necessary to develop a tool that help looking for a refuge in the neighborhood and a safe route even for a general inhabitant including a child. We developed a new technique (Precise Altitude Tints Map) that we can treat intuitively for the purpose. The technique consists of two kinds of topographic maps; the red relief image map and altitude tints map. The original altitude data are due to the DEM by Geospatial Information Authority of Japan. In this presentation, we will introduce the method and its application to the real tsunami disaster in Miyagi Prefecture.

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