

## Seismological studies to investigate the mechanisms of large earthquakes around the subduction zones

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Since 1996, a study project of "Frontier Research Program for Subduction Dynamics" has been operated by Japan Marine Science and Technology Center (JAMSTEC) to investigate the mechanism of large earthquakes occurred in subduction zones. Within the project, "Deep structural survey group" have conducted a number of seismological survey in the Japan Trench and the Nankai Trough where are close to big cities in Japan. We will present the deep structural models constrained by the group.