

## 3D reflection seismic surveys in the eastern Nankai Trough

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At present, the Research Consortium for Methane Hydrate Resources in Japan (MH21) is executing the interpretation study of the methane hydrate distributions in the eastern Nankai Trough, based on the seismic data of 3D survey (FY2002) and the geological data obtained through multi-well drilling campaign (FY2003-FY2004).

From the view of resource explorations, it is very important to delineate distributions of methane hydrate bearing zones with high concentration, so that various types of evaluation works (velocity analysis, seismic attributes analysis, detailed geological interpretation and so on) are required. Especially, the delineation of distribution of sand bodies with high porosity will be the key study for evaluation as to migration and concentration of methane gas. It implies that the interpretation of deep-sea turbidite-fan systems in the eastern Nankai Trough leads the solution of tectonic history of the region.