

## Crustal structure around the Ogasawara Plateau obtained by seismic reflection survey

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Izu-Ogasawara arc is the typical oceanic arc and is known to be growth by subducting Pacific plate, extension of back arc and going up north the Philippine sea plate.

In order to interpret the process of the crust growth of this typical island arc system, we carried out a multi-channel seismic (MCS) reflection survey using R/V KAIREI of Japan Agency for Marine-Earth Science and Technology (JAMSTEC) around the south Izu-Ogasawara region in November and December, 2005. The data acquired in these surveys contribute to the continental shelf investigation.

We discuss the crustal structure from the interpretations from JAMSTEC MCS profiles and the results of Japan Oil, Gas and Metals National Corporation.